



Building knowledge

Job Order Contract Construction Task Catalog®

Book 1 of 2 CSI Divisions 01 - 22 March 2017

City of Miami,
Office of Capital Improvements, Vertical And Horizontal



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CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **City of Miami - Department of Capital Improvements**, priced locally using current labor, material and equipment costs, and published in March 2017.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **City of Miami - Department of Capital Improvements**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.



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The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.
- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for

Social Security and Medicare taxes, worker's compensation, unemployment insurance and employee benefits.

- ☑ Labor costs are based on workers familiar with and skilled in the performance of the task following OSHA requirements.

EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the task. Mobilization is included for all equipment except large equipment (e.g. cranes, pile drivers, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs include all applicable sales taxes.

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to

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lift material onto a roof, even if that roof is less than 2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.

- ☑ Unit prices for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) that are required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, flashing, pitch pockets, skylights, curbs, roofing, etc. include sealant and caulking.
- ☑ The cost of testing, calibration, balancing and any other form of testing required to ensure proper installation, construction and performance (e.g. compaction test, slump test, concrete testing, asphalt testing, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing, fire alarm, etc.) is included in the unit cost. The types of testing mentioned above are examples and not intended to be all encompassing to this section.

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900),

dumpsters (See 01741900), and trash chutes (See 01741900).

- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

BUSINESS COSTS:

- ☑ Overhead costs, including, unless specifically excluded in the Contract Documents, but not limited to;
 - home office overhead
 - insurance, bonds, and indemnification
 - project meetings, training, management and supervision
 - mobilization and close-out for the contract and each Job Order
 - project office staff and equipment.
- ☑ Profit.

- Subcontractor's overhead and profit.
- Employee or Subcontractor's wage rates that exceed the prevailing wage rates.
- Fringe benefits, payroll taxes, worker's compensation, insurance costs and any other payment mandated by law in connection with labor that exceeds the labor rate allowances.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

CONSTRUCTION RELATED COSTS:

- Services required to obtain filings and permits.
- Preparation and modification of proposals, sketches, drawings, submittals, as-built drawings, CADD drawings, microfilm, and other project records.
- Incidental engineering and architectural services.
- Office trailer and portable toilets for Contractor's use.
- Construction vehicles such as pick-up trucks, utility trucks, vans, flat bed trucks, tractors, trailers, etc.
- Storage devices or items such as gang boxes and containers for Contractor's tools, equipment and materials.
- Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- Meeting Owner security requirements.
- Excess waste including roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, siding, concrete, etc. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but

excluding modular furniture, wall or ceiling attached or fastened devices or furnishings, safes or other furniture requiring disassembly).

- Sealing, windows, and openings with plastic to contain construction dust and debris within the work area.
- Daily clean-up.
- Final professional project clean-up.
- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Costs resulting from productivity loss.
- Working in extreme temperatures (below or above normal) or adverse conditions such as excessive rain, wind, sleet or snow.
- Differences in project size; complexity and location.
- All costs for other than discreet items of work specifically required to complete a particular Job Order.
- Contractor is responsible for warranting all plant material for one year from Final Acceptance by the City. The Contractor's adjustment factor is to include all costs related to watering for plant material for 60 days from the date of planting. If the Contractor feels additional watering is necessary to ensure establishment of plant material, they are entitled to use the appropriate line items from section 32019026 of the CTC for that purpose. The reasonableness of the additional watering line items are subject to review and approval by the City.

PRICE VARIATIONS:

- Contractors may find differences in labor, equipment and material costs due to certain economic factors. Variations in labor cost can also result from labor efficiency, labor restrictions, working conditions and local work rules. Variations in material costs can also result from the quantity of material purchased, the existing relationship with suppliers, and because the materials have been discontinued or have become obsolete.
- While diligent effort is made to provide accurate and reliable up-to-date pricing, it is the responsibility of

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the Contractor to review and analyze the unit prices, and to calculate their Adjustment Factors accordingly, prior to bidding.

required to complete the work is considered construction staking or layout and the cost thereof is included in the appropriate task.

GENERAL COSTS:

- ☑ This list is not exhaustive and is intended to provide general examples of cost items to be included in the Contractor's Adjustment Factor as defined in the Contract.
- ☑ The only compensation to be paid to a Contractor for the unit price tasks will be:

Published Unit Price	X	Installation (or Demolition) Quantity	X	Appropriate Adjustment Factor
-------------------------	---	---	---	-------------------------------------
- ☑ No additional payments of any kind whatsoever will be made. All costs not included in the unit prices must be part of the Adjustment Factors.

ASSEMBLIES:

- ☑ Assembly unit prices take precedence over individual component pricing.

TESTING:

- ☑ Contractor will not be paid for testing new material and equipment installed. The cost of testing is included in the unit costs. However, existing material or equipment, required by the technical specifications and as directed by the Owner (record tests) shall be paid at the unit price for the appropriate task. Contractor is responsible for all Quality Control and Quality Assurance Testing performed. All Quality Control Testing must comply with the latest publication and/or entity having jurisdiction. In addition, Contractor must submit any and all QC/QA test reports to the appropriate Department / Authorized user / and or contracting party for verification.

General Interpretations:

WORKING HEIGHT:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

FIELD ENGINEERING:

- ☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical controls. If the Owner provides horizontal and vertical control points within or adjacent to the project site, any other surveying

MISCELLANEOUS:

- ☑ For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- ☑ Whenever there are alternative tasks that may be selected to complete work the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days or painting by roller or spray rather than brush).
- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a

result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.

- ☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.
- ☑ Whenever a material, article or piece of equipment is identified in the CTC or in the specifications by reference to manufacturers' or vendors' names, trade names, catalogue numbers, or make, the identification is intended to establish a standard. Any material, article or equipment of another manufacturer or vendor which performs satisfactorily the duties imposed by the general design may be considered equally acceptable provided that, in the opinion of the Owner, the material, article or equipment so proposed is of equal quality, substance and function. The Contractor shall not provide, furnish or install any proposed material, article or equipment without the prior written approval of the Owner. The burden of proof and all costs related thereto concerning the "or equal" nature of the substitute item, whether approved or disapproved, shall be borne by the Contractor.

SPECIFICATIONS:

- ☑ Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a specification shall be considered part of the unit price, unless the task description or technical specifications state otherwise.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Carton Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM**

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- Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
57 Stone		2400	
Limestone	4380	2690	3220
Lime Rock		2500	
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180
Reinforced Concrete	4050		
Non-Reinforced Concrete	3915		

ASPHALT MATERIAL

Asphalt = 110 Pounds Per Square Yard Inch

BULK FACTORS FOR DEMOLITION:

The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

CONVERSIONS:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

TRADEMARKS

- ☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

STANDARD GEOMETRY:

Circle

- Circumference = $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area = $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume = $(\pi \text{ radius}^2) \text{height}$
- Surface Area = $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{height}$

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 General Requirements

01 20 Price And Payment Procedures (01)

01 22 Unit Prices (01 20)

01 22 16 Unit Price Payment (01 22)

01 22 16 00-0001	Reimbursable Fees (01 22 16)	
	Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog@.	
01 22 16 00-0002	EA Reimbursable Fees.....	1.00
	Note: Reimbursable Fees will be paid to the contractor for eligible costs. The base cost of the Reimbursable Fee is \$1.00. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.	

01 22 20 Wage Rates (01 22)

01 22 20 00-0001 Local Labor/Wage Rates (01 22 20)

	Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.	
01 22 20 00-0002	HR Asbestos Removal Worker	33.00
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	1.65
	For Apprentice, Deduct	-6.60
01 22 20 00-0003	HR Insulator	42.36
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	2.12
	For Apprentice, Deduct	-8.47
01 22 20 00-0004	HR Brick Layer.....	32.63
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	1.63
	For Apprentice, Deduct	-6.53
01 22 20 00-0005	HR Carpenter.....	38.27
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	1.91
	For Apprentice, Deduct	-7.65
01 22 20 00-0006	HR Carpet, Linoleum	38.27
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	1.91
	For Apprentice, Deduct	-7.65
01 22 20 00-0007	HR Cement Mason	35.34
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	1.77
	For Apprentice, Deduct	-7.07
01 22 20 00-0008	HR Drywall Finisher	37.54
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	1.88
	For Apprentice, Deduct	-7.51
01 22 20 00-0009	HR Electrician	50.75
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	2.54
	For Apprentice, Deduct	-10.15
01 22 20 00-0010	HR Equipment Operator, Heavy (Crane)	51.40
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	2.57
	For Apprentice, Deduct	-10.28
01 22 20 00-0011	HR Equipment Operator, Medium (Bulldozer)	46.17
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	2.31
	For Apprentice, Deduct	-9.23
01 22 20 00-0012	HR Equipment Operator, Light (Backhoe, Skid-Steer Loader).....	37.25
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	1.86
	For Apprentice, Deduct	-7.45
01 22 20 00-0013	HR Glazier	36.99
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	1.85
	For Apprentice, Deduct	-7.40
01 22 20 00-0014	HR Laborer	25.72
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
01 22 20 00-0015	HR Lather	36.40
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	1.82
	For Apprentice, Deduct	-7.28
01 22 20 00-0016	HR Marble Setter	32.63
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	1.63
	For Apprentice, Deduct	-6.53
01 22 20 00-0017	HR Millwright.....	52.46
	Note: For tasks not included in the Construction Task Catalog@ and as directed by owner only.	
	For Foreman, Add	2.62
	For Apprentice, Deduct	-10.49



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 20 00-0018	HR		Painter, Ordinary.....	29.91	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.50	
			For Apprentice, Deduct	-5.98	
01 22 20 00-0019	HR		Painter, Structural Steel.....	44.02	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.20	
			For Apprentice, Deduct	-8.80	
01 22 20 00-0020	HR		Paperhanger.....	29.91	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.50	
			For Apprentice, Deduct	-5.98	
01 22 20 00-0021	HR		Pile Drivers.....	46.65	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.33	
			For Apprentice, Deduct	-9.33	
01 22 20 00-0022	HR		Plasterer.....	36.45	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.82	
			For Apprentice, Deduct	-7.29	
01 22 20 00-0023	HR		Plumber.....	44.53	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.23	
			For Apprentice, Deduct	-8.91	
01 22 20 00-0024	HR		Powderman.....	41.37	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.07	
			For Apprentice, Deduct	-8.27	
01 22 20 00-0025	HR		Rodman (Reinforcing)/Ornamental Steel Worker.....	45.27	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.26	
			For Apprentice, Deduct	-9.05	
01 22 20 00-0026	HR		Roofer, Composite.....	38.75	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.94	
			For Apprentice, Deduct	-7.75	
01 22 20 00-0027	HR		Roofer, Tile/Slate.....	38.51	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.93	
			For Apprentice, Deduct	-7.70	
01 22 20 00-0028	HR		Sheet Metal Worker.....	43.43	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.17	
			For Apprentice, Deduct	-8.69	
01 22 20 00-0029	HR		Sprinkler Installer.....	52.09	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.60	
			For Apprentice, Deduct	-10.42	
01 22 20 00-0030	HR		Steam / Pipe Fitter.....	55.06	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.75	
			For Apprentice, Deduct	-11.01	
01 22 20 00-0031	HR		Stone Mason.....	32.63	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.63	
			For Apprentice, Deduct	-6.53	
01 22 20 00-0032	HR		Structural Steel Worker.....	48.67	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.43	
			For Apprentice, Deduct	-9.73	
01 22 20 00-0033	HR		Tile Layer.....	31.13	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.56	
			For Apprentice, Deduct	-6.23	
01 22 20 00-0034	HR		Terrazzo Worker.....	31.25	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.56	
			For Apprentice, Deduct	-6.25	
01 22 20 00-0035	HR		Truck Driver, Light.....	38.36	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.92	
			For Apprentice, Deduct	-7.67	
01 22 20 00-0036	HR		Truck Driver, Heavy.....	40.23	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.01	
			For Apprentice, Deduct	-8.05	
01 22 20 00-0037	HR		Class I Diver.....	76.53	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0038	HR		Class III Diver Tender.....	38.27	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0039			Rates For Services (01 22 20)		
01 22 20 00-0040	HR		Watchman/Guard, Unarmed.....	30.86	
01 22 20 00-0041	HR		Watchman/Guard, Armed.....	38.57	
01 22 20 00-0042	HR		OSHA Testing.....	71.25	
01 22 20 00-0043	HR		Investigating Engineer Or Specialty Consultant.....	80.00	
			Note: For special investigating requirements or services outside required architectural and engineering services.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 20 00-0044	HR		Investigating Senior Engineer Or Specialty Consultant 125.00 Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0045	HR		Industrial Hygienist 44.47		
01 22 20 00-0046	HR		On-Site Certified Materials Testing Technician 57.00		
01 22 20 00-0047	MI		Mileage For Professional Services (Engineering, Surveying, Etcetera) 0.56 Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0048	HR		Off-Duty Law Enforcement Officer 51.43		
01 22 20 00-0049	HR		Certified Arborist 125.00 Note: For third party consulting services.		
01 22 20 00-0050	HR		Repair of Monitor Wells, Unit Rates 65.00		

01 22 20 00-0051			Rates For Traffic Control (01 22 20)		
01 22 20 00-0052	HR		Flagperson For Traffic Control 41.28		

01 22 23 Equipment Usage (01 22)

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0001			Aerial Equipment (01 22 23)		
01 22 23 00-0002			Manlifts (01 22 23 00-0001) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003			Telescoping Boom Manlifts (01 22 23 00-0002)		
01 22 23 00-0004			Engine Powered, Telescoping Boom Manlifts (01 22 23 00-0003) Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005	DAY	40'	Engine Powered, Telescoping Boom Manlift 453.90		
01 22 23 00-0006	WK	40'	Engine Powered, Telescoping Boom Manlift 1,142.08		
01 22 23 00-0007	MO	40'	Engine Powered, Telescoping Boom Manlift 2,562.35		
01 22 23 00-0008	DAY	60'	Engine Powered, Telescoping Boom Manlift 666.21		
01 22 23 00-0009	WK	60'	Engine Powered, Telescoping Boom Manlift 1,588.66		
01 22 23 00-0010	MO	60'	Engine Powered, Telescoping Boom Manlift 3,477.48		
01 22 23 00-0011	DAY	80'	Engine Powered, Telescoping Boom Manlift 1,295.82		
01 22 23 00-0012	WK	80'	Engine Powered, Telescoping Boom Manlift 3,140.71		
01 22 23 00-0013	MO	80'	Engine Powered, Telescoping Boom Manlift 6,588.90		
01 22 23 00-0014	DAY	110'	Engine Powered, Telescoping Boom Manlift 1,844.89		
01 22 23 00-0015	WK	110'	Engine Powered, Telescoping Boom Manlift 4,442.38		
01 22 23 00-0016	MO	110'	Engine Powered, Telescoping Boom Manlift 11,069.35		
01 22 23 00-0017	DAY	120'	Engine Powered, Telescoping Boom Manlift 2,247.55		
01 22 23 00-0018	WK	120'	Engine Powered, Telescoping Boom Manlift 5,732.34		
01 22 23 00-0019	MO	120'	Engine Powered, Telescoping Boom Manlift 13,031.38		

01 22 23 00-0020			Articulating (Up/Over) Boom Manlifts (01 22 23 00-0002)		
01 22 23 00-0021			Engine Powered, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020) Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022	DAY	34'	Engine Powered, Articulating (Up/Over) Boom Manlift 364.26		
01 22 23 00-0023	WK	34'	Engine Powered, Articulating (Up/Over) Boom Manlift 913.97		
01 22 23 00-0024	MO	34'	Engine Powered, Articulating (Up/Over) Boom Manlift 2,198.84		
01 22 23 00-0025	DAY	45'	Engine Powered, Articulating (Up/Over) Boom Manlift 463.61		
01 22 23 00-0026	WK	45'	Engine Powered, Articulating (Up/Over) Boom Manlift 1,013.32		
01 22 23 00-0027	MO	45'	Engine Powered, Articulating (Up/Over) Boom Manlift 2,515.42		
01 22 23 00-0028	DAY	60'	Engine Powered, Articulating (Up/Over) Boom Manlift 596.07		
01 22 23 00-0029	WK	60'	Engine Powered, Articulating (Up/Over) Boom Manlift 1,377.58		
01 22 23 00-0030	MO	60'	Engine Powered, Articulating (Up/Over) Boom Manlift 3,079.70		
01 22 23 00-0031	DAY	80'	Engine Powered, Articulating (Up/Over) Boom Manlift 1,039.81		
01 22 23 00-0032	WK	80'	Engine Powered, Articulating (Up/Over) Boom Manlift 2,450.51		
01 22 23 00-0033	MO	80'	Engine Powered, Articulating (Up/Over) Boom Manlift 5,959.38		
01 22 23 00-0034	DAY	125'	Engine Powered, Articulating (Up/Over) Boom Manlift 2,020.02		
01 22 23 00-0035	WK	125'	Engine Powered, Articulating (Up/Over) Boom Manlift 4,768.56		
01 22 23 00-0036	MO	125'	Engine Powered, Articulating (Up/Over) Boom Manlift 11,656.48		

01 22 23 00-0037			Electric, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020) Note: For use on paved surfaces.		
01 22 23 00-0038	DAY	30'	Electric, Articulating (Up/Over) Boom Manlift 364.26		
01 22 23 00-0039	WK	30'	Electric, Articulating (Up/Over) Boom Manlift 913.97		
01 22 23 00-0040	MO	30'	Electric, Articulating (Up/Over) Boom Manlift 2,198.84		
01 22 23 00-0041	DAY	35'	Electric, Articulating (Up/Over) Boom Manlift 364.26		
01 22 23 00-0042	WK	35'	Electric, Articulating (Up/Over) Boom Manlift 913.97		
01 22 23 00-0043	MO	35'	Electric, Articulating (Up/Over) Boom Manlift 2,198.84		
01 22 23 00-0044	DAY	40'	Electric, Articulating (Up/Over) Boom Manlift 450.36		
01 22 23 00-0045	WK	40'	Electric, Articulating (Up/Over) Boom Manlift 973.58		
01 22 23 00-0046	MO	40'	Electric, Articulating (Up/Over) Boom Manlift 2,417.40		
01 22 23 00-0047	DAY	45'	Electric, Articulating (Up/Over) Boom Manlift 450.36		
01 22 23 00-0048	WK	45'	Electric, Articulating (Up/Over) Boom Manlift 973.58		
01 22 23 00-0049	MO	45'	Electric, Articulating (Up/Over) Boom Manlift 2,417.40		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0050			Platform Lifts (01 22 23 00-0001) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0051			Electric, Scissor Platform Lifts (01 22 23 00-0050) Note: For use on paved surfaces.		
01 22 23 00-0052	DAY	17'	Electric, Scissor Platform Lift	183.90	
01 22 23 00-0053	WK	17'	Electric, Scissor Platform Lift	367.80	
01 22 23 00-0054	MO	17'	Electric, Scissor Platform Lift	752.31	
01 22 23 00-0055	DAY	20'	Electric, Scissor Platform Lift	200.62	
01 22 23 00-0056	WK	20'	Electric, Scissor Platform Lift	401.23	
01 22 23 00-0057	MO	20'	Electric, Scissor Platform Lift	802.46	
01 22 23 00-0058	DAY	25'	Electric, Scissor Platform Lift	259.13	
01 22 23 00-0059	WK	25'	Electric, Scissor Platform Lift	518.26	
01 22 23 00-0060	MO	25'	Electric, Scissor Platform Lift	1,111.75	
01 22 23 00-0061	DAY	30'	Electric, Scissor Platform Lift	334.36	
01 22 23 00-0062	WK	30'	Electric, Scissor Platform Lift	660.36	
01 22 23 00-0063	MO	30'	Electric, Scissor Platform Lift	1,462.82	
01 22 23 00-0064	DAY	33'	Electric, Scissor Platform Lift	359.44	
01 22 23 00-0065	WK	33'	Electric, Scissor Platform Lift	702.16	
01 22 23 00-0066	MO	33'	Electric, Scissor Platform Lift	1,588.21	
01 22 23 00-0067	DAY	40'	Electric, Scissor Platform Lift	468.10	
01 22 23 00-0068	WK	40'	Electric, Scissor Platform Lift	1,161.90	
01 22 23 00-0069	MO	40'	Electric, Scissor Platform Lift	3,234.93	
01 22 23 00-0070			Engine Powered, Scissor Platform Lifts (01 22 23 00-0050) Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071	DAY	25'	Engine Powered, Scissor Platform Lift	376.16	
01 22 23 00-0072	WK	25'	Engine Powered, Scissor Platform Lift	735.59	
01 22 23 00-0073	MO	25'	Engine Powered, Scissor Platform Lift	1,797.18	
01 22 23 00-0074	DAY	33'	Engine Powered, Scissor Platform Lift	384.51	
01 22 23 00-0075	WK	33'	Engine Powered, Scissor Platform Lift	877.70	
01 22 23 00-0076	MO	33'	Engine Powered, Scissor Platform Lift	1,922.57	
01 22 23 00-0077	DAY	40'	Engine Powered, Scissor Platform Lift	426.31	
01 22 23 00-0078	WK	40'	Engine Powered, Scissor Platform Lift	978.00	
01 22 23 00-0079	MO	40'	Engine Powered, Scissor Platform Lift	2,173.34	
01 22 23 00-0080	DAY	43'	Engine Powered, Scissor Platform Lift	451.39	
01 22 23 00-0081	WK	43'	Engine Powered, Scissor Platform Lift	1,053.23	
01 22 23 00-0082	MO	43'	Engine Powered, Scissor Platform Lift	2,591.29	
01 22 23 00-0083	DAY	50'	Engine Powered, Scissor Platform Lift	844.26	
01 22 23 00-0084	WK	50'	Engine Powered, Scissor Platform Lift	1,855.70	
01 22 23 00-0085	MO	50'	Engine Powered, Scissor Platform Lift	4,564.01	
01 22 23 00-0086			Personnel Lifts (01 22 23 00-0001) Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087	DAY	24', Push-Type	Electric Single Man Personnel Lift	128.70	
01 22 23 00-0088	WK	24', Push-Type	Electric Single Man Personnel Lift	364.65	
01 22 23 00-0089	MO	24', Push-Type	Electric Single Man Personnel Lift	736.45	
01 22 23 00-0090	DAY	30', Push-Type	Electric Single Man Personnel Lift	178.75	
01 22 23 00-0091	WK	30', Push-Type	Electric Single Man Personnel Lift	378.95	
01 22 23 00-0092	MO	30', Push-Type	Electric Single Man Personnel Lift	743.60	
01 22 23 00-0093	DAY	36', Push-Type	Electric Single Man Personnel Lift	300.30	
01 22 23 00-0094	WK	36', Push-Type	Electric Single Man Personnel Lift	729.30	
01 22 23 00-0095	MO	36', Push-Type	Electric Single Man Personnel Lift	2,130.70	
01 22 23 00-0096	DAY	40', Push-Type	Electric Single Man Personnel Lift	321.75	
01 22 23 00-0097	WK	40', Push-Type	Electric Single Man Personnel Lift	800.80	
01 22 23 00-0098	MO	40', Push-Type	Electric Single Man Personnel Lift	2,409.55	
01 22 23 00-0099	DAY	15', Self-Propelled	Electric Single Man Personnel Lift	171.60	
01 22 23 00-0100	WK	15', Self-Propelled	Electric Single Man Personnel Lift	343.20	
01 22 23 00-0101	MO	15', Self-Propelled	Electric Single Man Personnel Lift	686.40	
01 22 23 00-0102	DAY	20', Self-Propelled	Electric Single Man Personnel Lift	171.60	
01 22 23 00-0103	WK	20', Self-Propelled	Electric Single Man Personnel Lift	343.20	
01 22 23 00-0104	MO	20', Self-Propelled	Electric Single Man Personnel Lift	713.57	
01 22 23 00-0105			Bucket Trucks (01 22 23 00-0001) Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106	DAY	48'	Bucket Truck With Full-Time Operator	823.40	
			<i>For Equipment Without Operator, Deduct</i>	-321.88	
01 22 23 00-0107	WK	48'	Bucket Truck With Full-Time Operator	3,400.54	
			<i>For Equipment Without Operator, Deduct</i>	-1,609.39	
01 22 23 00-0108	MO	48'	Bucket Truck With Full-Time Operator	12,071.65	
			<i>For Equipment Without Operator, Deduct</i>	-6,937.02	
01 22 23 00-0109			Air Equipment (01 22 23)		
01 22 23 00-0110			Air Compressors (01 22 23 00-0109) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0111	DAY	100 CFM Diesel Powered	Portable Air Compressor	109.92	
01 22 23 00-0112	WK	100 CFM Diesel Powered	Portable Air Compressor	329.76	
01 22 23 00-0113	MO	100 CFM Diesel Powered	Portable Air Compressor	916.00	
01 22 23 00-0114	DAY	130 CFM Diesel Powered	Portable Air Compressor	131.90	
01 22 23 00-0115	WK	130 CFM Diesel Powered	Portable Air Compressor	388.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0116	MO		130 CFM Diesel Powered Portable Air Compressor.....	1,099.20	
01 22 23 00-0117	DAY		185 CFM Diesel Powered Portable Air Compressor.....	175.87	
01 22 23 00-0118	WK		185 CFM Diesel Powered Portable Air Compressor.....	395.71	
01 22 23 00-0119	MO		185 CFM Diesel Powered Portable Air Compressor.....	872.03	
01 22 23 00-0120	DAY		375 CFM Diesel Powered Portable Air Compressor.....	249.15	
01 22 23 00-0121	WK		375 CFM Diesel Powered Portable Air Compressor.....	630.21	
01 22 23 00-0122	MO		375 CFM Diesel Powered Portable Air Compressor.....	1,502.24	
01 22 23 00-0123	DAY		600 CFM Diesel Powered Portable Air Compressor.....	554.00	
01 22 23 00-0124	WK		600 CFM Diesel Powered Portable Air Compressor.....	1,333.70	
01 22 23 00-0125	MO		600 CFM Diesel Powered Portable Air Compressor.....	3,323.98	
01 22 23 00-0126	DAY		750 CFM Diesel Powered Portable Air Compressor.....	666.85	
01 22 23 00-0127	WK		750 CFM Diesel Powered Portable Air Compressor.....	1,641.47	
01 22 23 00-0128	MO		750 CFM Diesel Powered Portable Air Compressor.....	4,030.40	
01 22 23 00-0129	DAY		825 CFM Diesel Powered Portable Air Compressor.....	666.85	
01 22 23 00-0130	WK		825 CFM Diesel Powered Portable Air Compressor.....	1,641.47	
01 22 23 00-0131	MO		825 CFM Diesel Powered Portable Air Compressor.....	4,030.40	
01 22 23 00-0132	DAY		1,300 CFM Diesel Powered Portable Air Compressor.....	776.77	
01 22 23 00-0133	WK		1,300 CFM Diesel Powered Portable Air Compressor.....	1,741.13	
01 22 23 00-0134	MO		1,300 CFM Diesel Powered Portable Air Compressor.....	4,643.02	
01 22 23 00-0135	DAY		1,600 CFM Diesel Powered Portable Air Compressor.....	967.30	
01 22 23 00-0136	WK		1,600 CFM Diesel Powered Portable Air Compressor.....	2,176.42	
01 22 23 00-0137	MO		1,600 CFM Diesel Powered Portable Air Compressor.....	5,803.78	
01 22 23 00-0138 Compaction And Paving Equipment (01 22 23)					
01 22 23 00-0139 Pavers And Rollers (01 22 23 00-0138)					
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0140 Pavers (01 22 23 00-0139)					
01 22 23 00-0141	DAY		10' Wide Paving Machine With Full-Time Operator.....	2,489.51	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0142	WK		10' Wide Paving Machine With Full-Time Operator.....	10,333.51	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0143	MO		10' Wide Paving Machine With Full-Time Operator.....	38,259.49	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0144 Ride-On Self-Propelled, Rubber Tire Rollers (01 22 23 00-0139)					
01 22 23 00-0145	DAY		10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	696.01	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0146	WK		10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	2,834.74	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0147	MO		10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	10,642.11	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0148	DAY		15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	822.09	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0149	WK		15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	3,772.34	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0150	MO		15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	12,057.66	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0151	DAY		30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	827.82	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0152	WK		30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	3,399.82	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0153	MO		30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	12,332.75	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0154 Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0139)					
01 22 23 00-0155	DAY		5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	747.59	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0156	WK		5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	2,895.49	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0157	MO		5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	10,991.70	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0158	DAY		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	988.29	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0159	WK		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	3,382.63	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0160	MO		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	12,527.61	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0161	DAY		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	1,045.60	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0162	WK		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	3,743.68	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0163	MO		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	13,536.26	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0164 Towed, Padfoot Rollers (01 22 23 00-0139)					
01 22 23 00-0165	DAY		48" Wide, 40" Diameter, Towed Padfoot Roller.....	108.89	
01 22 23 00-0166	WK		48" Wide, 40" Diameter, Towed Padfoot Roller.....	315.20	
01 22 23 00-0167	MO		48" Wide, 40" Diameter, Towed Padfoot Roller.....	928.42	
01 22 23 00-0168	DAY		60" Wide, 60" Diameter, Towed Padfoot Roller.....	137.54	
01 22 23 00-0169	WK		60" Wide, 60" Diameter, Towed Padfoot Roller.....	383.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0170	MO		60" Wide, 60" Diameter, Towed Padfoot Roller	1,633.34	
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01 22 23 00-0171 Static Rollers (01 22 23 00-0139)

01 22 23 00-0172	DAY		5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	776.24	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0173	WK		5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	3,141.93	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0174	MO		5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	11,799.77	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0175	DAY		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	902.32	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0176	WK		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	3,485.79	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0177	MO		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	12,751.12	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	

01 22 23 00-0178 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0139)

01 22 23 00-0179	DAY		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	736.12	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0180	WK		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	2,929.88	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0181	MO		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	10,825.50	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0182	DAY		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	810.63	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0183	WK		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	3,147.66	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0184	MO		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	11,392.87	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0185	DAY		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	959.63	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0186	WK		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	3,583.21	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0187	MO		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	12,544.80	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	

01 22 23 00-0188 Steel Plates (01 22 23 00-0138)

Note: 3 day minimum.

01 22 23 00-0189	DAY		1" x 4' x 8' Steel Plate	20.06	
01 22 23 00-0190	WK		1" x 4' x 8' Steel Plate	47.37	
01 22 23 00-0191	MO		1" x 4' x 8' Steel Plate	62.34	
01 22 23 00-0192	DAY		1" x 4' x 10' Steel Plate	26.75	
01 22 23 00-0193	WK		1" x 4' x 10' Steel Plate	60.19	
01 22 23 00-0194	MO		1" x 4' x 10' Steel Plate	73.56	
01 22 23 00-0195	DAY		1" x 5' x 10' Steel Plate	27.86	
01 22 23 00-0196	WK		1" x 5' x 10' Steel Plate	62.97	
01 22 23 00-0197	MO		1" x 5' x 10' Steel Plate	167.19	
01 22 23 00-0198	DAY		1" x 6' x 8' Steel Plate	17.83	
01 22 23 00-0199	WK		1" x 6' x 8' Steel Plate	40.13	
01 22 23 00-0200	MO		1" x 6' x 8' Steel Plate	107.00	
01 22 23 00-0201	DAY		1" x 6' x 10' Steel Plate	33.44	
01 22 23 00-0202	WK		1" x 6' x 10' Steel Plate	44.03	
01 22 23 00-0203	MO		1" x 6' x 10' Steel Plate	117.59	
01 22 23 00-0204	DAY		1" x 6' x 12' Steel Plate	46.81	
01 22 23 00-0205	WK		1" x 6' x 12' Steel Plate	59.91	
01 22 23 00-0206	MO		1" x 6' x 12' Steel Plate	162.17	
01 22 23 00-0207	DAY		1" x 8' x 10' Steel Plate	29.54	
01 22 23 00-0208	WK		1" x 8' x 10' Steel Plate	66.32	
01 22 23 00-0209	MO		1" x 8' x 10' Steel Plate	176.66	
01 22 23 00-0210	DAY		1" x 8' x 12' Steel Plate	53.50	
01 22 23 00-0211	WK		1" x 8' x 12' Steel Plate	66.32	
01 22 23 00-0212	MO		1" x 8' x 12' Steel Plate	321.00	
01 22 23 00-0213	DAY		1" x 8' x 16' Steel Plate	71.33	
01 22 23 00-0214	WK		1" x 8' x 16' Steel Plate	160.50	
01 22 23 00-0215	MO		1" x 8' x 16' Steel Plate	428.01	
01 22 23 00-0216	LF		Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	1.02	0.34
01 22 23 00-0217	EA		Remove And Reset Trench Plate.....	12.65	

01 22 23 00-0218 Street Sweepers (01 22 23 00-0138)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0219	DAY		8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	458.53	
			<i>For Equipment Without Operator, Deduct</i>	-298.03	
01 22 23 00-0220	WK		8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	2,137.48	
			<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
01 22 23 00-0221	MO		8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	8,734.17	
			<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
01 22 23 00-0222	DAY		Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	887.04	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-298.03	
01 22 23 00-0223	WK		Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	3,835.64	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-1,490.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0224 MO Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank. For Equipment Without Operator, Deduct	14,795.30 -6,422.97	
01 22 23 00-0225 Earthmoving Equipment (01 22 23)		
01 22 23 00-0226 Skid-Steer Loaders (Bobcat) (01 22 23 00-0225) Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.		
01 22 23 00-0227 DAY 700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator..... For Equipment Without Operator, Deduct	513.94 -298.03	
01 22 23 00-0228 WK 700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator..... For Equipment Without Operator, Deduct	2,056.56 -1,490.13	
01 22 23 00-0229 MO 700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator..... For Equipment Without Operator, Deduct	7,787.10 -6,422.97	
01 22 23 00-0230 DAY 1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator..... For Equipment Without Operator, Deduct	570.86 -298.03	
01 22 23 00-0231 WK 1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator..... For Equipment Without Operator, Deduct	2,159.55 -1,490.13	
01 22 23 00-0232 MO 1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator..... For Equipment Without Operator, Deduct	8,012.95 -6,422.97	
01 22 23 00-0233 DAY 2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator..... For Equipment Without Operator, Deduct	2,587.12 -298.03	
01 22 23 00-0234 WK 2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator..... For Equipment Without Operator, Deduct	2,307.71 -1,490.13	
01 22 23 00-0235 MO 2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator..... For Equipment Without Operator, Deduct	8,405.93 -6,422.97	
01 22 23 00-0236 DAY Hydraulic Hammer Attachment For Skid-Steer Loaders.....	180.68	
01 22 23 00-0237 WK Hydraulic Hammer Attachment For Skid-Steer Loaders.....	600.76	
01 22 23 00-0238 MO Hydraulic Hammer Attachment For Skid-Steer Loaders.....	1,599.02	
01 22 23 00-0239 DAY Forklift Attachment For Skid-Steer Loaders.....	38.85	
01 22 23 00-0240 WK Forklift Attachment For Skid-Steer Loaders.....	103.89	
01 22 23 00-0241 MO Forklift Attachment For Skid-Steer Loaders.....	293.60	
01 22 23 00-0242 DAY Backhoe Attachment For Skid-Steer Loaders.....	85.82	
01 22 23 00-0243 WK Backhoe Attachment For Skid-Steer Loaders.....	205.98	
01 22 23 00-0244 MO Backhoe Attachment For Skid-Steer Loaders.....	512.23	
01 22 23 00-0245 DAY Broom Attachment For Skid-Steer Loaders.....	84.92	
01 22 23 00-0246 WK Broom Attachment For Skid-Steer Loaders.....	230.37	
01 22 23 00-0247 MO Broom Attachment For Skid-Steer Loaders.....	609.80	
01 22 23 00-0248 DAY 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders.....	56.91	
01 22 23 00-0249 WK 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders.....	180.68	
01 22 23 00-0250 MO 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders.....	429.12	
01 22 23 00-0251 Bulldozers (01 22 23 00-0225) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0252 DAY 70 HP, D3 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	758.07 -369.34	
01 22 23 00-0253 WK 70 HP, D3 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	3,379.63 -1,846.72	
01 22 23 00-0254 MO 70 HP, D3 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	12,507.39 -7,960.00	
01 22 23 00-0255 DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	941.43 -369.34	
01 22 23 00-0256 WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	4,120.42 -1,846.72	
01 22 23 00-0257 MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	14,781.08 -7,960.00	
01 22 23 00-0258 DAY 140 HP, D6 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	1,462.18 -369.34	
01 22 23 00-0259 WK 140 HP, D6 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	6,203.41 -1,846.72	
01 22 23 00-0260 MO 140 HP, D6 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	21,015.41 -7,960.00	
01 22 23 00-0261 DAY 200 HP, D7 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	1,924.25 -369.34	
01 22 23 00-0262 WK 200 HP, D7 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	8,059.04 -1,846.72	
01 22 23 00-0263 MO 200 HP, D7 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	26,589.63 -7,960.00	
01 22 23 00-0264 DAY 335 HP, D8 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	2,474.34 -369.34	
01 22 23 00-0265 WK 335 HP, D8 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	10,259.39 -1,846.72	
01 22 23 00-0266 MO 335 HP, D8 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	33,190.68 -7,960.00	
01 22 23 00-0267 DAY 460 HP, D9 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	2,782.39 -369.34	
01 22 23 00-0268 WK 460 HP, D9 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	11,484.25 -1,846.72	
01 22 23 00-0269 MO 460 HP, D9 Bulldozer With Full-Time Operator..... For Equipment Without Operator, Deduct	36,857.93 -7,960.00	
01 22 23 00-0270 Motor Scraper (01 22 23 00-0225) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0271	DAY	11 CY	Motor Scraper-Hauler With Full-Time Operator	1,478.36	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0272	WK	11 CY	Motor Scraper-Hauler With Full-Time Operator	6,282.78	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0273	MO	11 CY	Motor Scraper-Hauler With Full-Time Operator	21,253.00	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0274	DAY	18 CY	Motor Scraper-Hauler With Full-Time Operator	1,926.52	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0275	WK	18 CY	Motor Scraper-Hauler With Full-Time Operator	8,075.44	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0276	MO	18 CY	Motor Scraper-Hauler With Full-Time Operator	26,646.16	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0277	DAY	24 CY	Motor Scraper-Hauler With Full-Time Operator	2,359.49	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0278	WK	24 CY	Motor Scraper-Hauler With Full-Time Operator	9,799.73	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0279	MO	24 CY	Motor Scraper-Hauler With Full-Time Operator	31,811.44	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	

01 22 23 00-0280 Hydraulic Excavators (01 22 23 00-0225)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0281	DAY	3/8 CY	Hydraulic Excavator With Full-Time Operator	749.07	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0282	WK	3/8 CY	Hydraulic Excavator With Full-Time Operator	3,189.83	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0283	MO	3/8 CY	Hydraulic Excavator With Full-Time Operator	12,460.48	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0284	DAY	1/2 CY	Hydraulic Excavator With Full-Time Operator	855.95	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0285	WK	1/2 CY	Hydraulic Excavator With Full-Time Operator	3,660.98	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0286	MO	1/2 CY	Hydraulic Excavator With Full-Time Operator	14,345.06	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0287	DAY	5/8 CY	Hydraulic Excavator With Full-Time Operator	889.71	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0288	WK	5/8 CY	Hydraulic Excavator With Full-Time Operator	3,836.78	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0289	MO	5/8 CY	Hydraulic Excavator With Full-Time Operator	14,654.46	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0290	DAY	3/4 CY	Hydraulic Excavator With Full-Time Operator	924.87	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0291	WK	3/4 CY	Hydraulic Excavator With Full-Time Operator	3,998.51	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0292	MO	3/4 CY	Hydraulic Excavator With Full-Time Operator	14,963.87	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0293	DAY	7/8 To 1 CY	Hydraulic Excavator With Full-Time Operator	953.00	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0294	WK	7/8 To 1 CY	Hydraulic Excavator With Full-Time Operator	4,167.28	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0295	MO	7/8 To 1 CY	Hydraulic Excavator With Full-Time Operator	15,273.28	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0296	DAY	1-1/8 To 1-1/4 CY	Hydraulic Excavator With Full-Time Operator	1,332.72	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0297	WK	1-1/8 To 1-1/4 CY	Hydraulic Excavator With Full-Time Operator	5,679.16	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0298	MO	1-1/8 To 1-1/4 CY	Hydraulic Excavator With Full-Time Operator	19,457.32	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0299	DAY	1-3/8 To 1-1/2 CY	Hydraulic Excavator With Full-Time Operator	1,388.98	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0300	WK	1-3/8 To 1-1/2 CY	Hydraulic Excavator With Full-Time Operator	5,925.28	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0301	MO	1-3/8 To 1-1/2 CY	Hydraulic Excavator With Full-Time Operator	20,195.68	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0302	DAY	1-5/8 To 1-7/8 CY	Hydraulic Excavator With Full-Time Operator	1,494.46	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0303	WK	1-5/8 To 1-7/8 CY	Hydraulic Excavator With Full-Time Operator	6,347.20	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0304	MO	1-5/8 To 1-7/8 CY	Hydraulic Excavator With Full-Time Operator	21,461.44	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0305	DAY	2 To 2-3/8 CY	Hydraulic Excavator With Full-Time Operator	1,614.00	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0306	WK	2 To 2-3/8 CY	Hydraulic Excavator With Full-Time Operator	6,818.34	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0307	MO	2 To 2-3/8 CY	Hydraulic Excavator With Full-Time Operator	22,867.84	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0308	DAY	2-1/2 To 2-7/8 CY	Hydraulic Excavator With Full-Time Operator	1,649.16	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0309	WK	2-1/2 To 2-7/8 CY	Hydraulic Excavator With Full-Time Operator	6,958.98	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0310	MO	2-1/2 To 2-7/8 CY	Hydraulic Excavator With Full-Time Operator	23,289.76	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0311	DAY	3 To 3-3/4 CY	Hydraulic Excavator With Full-Time Operator	1,986.70	
			<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0312	WK	3 To 3-3/4 CY	Hydraulic Excavator With Full-Time Operator	8,316.16	
			<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0313	MO	3 To 3-3/4 CY	Hydraulic Excavator With Full-Time Operator	27,368.32	
			<i>For Equipment Without Operator, Deduct</i>	-7,960.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0314	DAY	4 To 5-3/4 CY	Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	2,471.91 -369.34	
01 22 23 00-0315	WK	4 To 5-3/4 CY	Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	10,242.93 -1,846.72	
01 22 23 00-0316	MO	4 To 5-3/4 CY	Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	33,134.56 -7,960.00	
01 22 23 00-0317	DAY	Thumbs Or Grapple Attachment	For Hydraulic Excavators	98.45	
01 22 23 00-0318	WK	Thumbs Or Grapple Attachment	For Hydraulic Excavators	379.73	
01 22 23 00-0319	MO	Thumbs Or Grapple Attachment	For Hydraulic Excavators	1,125.12	
01 22 23 00-0320	DAY	1,000 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	435.98	
01 22 23 00-0321	WK	1,000 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	1,153.25	
01 22 23 00-0322	MO	1,000 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	3,227.69	
01 22 23 00-0323	DAY	1,500 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	675.07	
01 22 23 00-0324	WK	1,500 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	1,722.84	
01 22 23 00-0325	MO	1,500 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	4,479.38	
01 22 23 00-0326	DAY	3,000 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	942.29	
01 22 23 00-0327	WK	3,000 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	2,538.55	
01 22 23 00-0328	MO	3,000 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	7,116.38	
01 22 23 00-0329	DAY	24" Compaction Wheel Attachment	For Hydraulic Excavators	196.90	
01 22 23 00-0330	WK	24" Compaction Wheel Attachment	For Hydraulic Excavators	787.58	
01 22 23 00-0331	MO	24" Compaction Wheel Attachment	For Hydraulic Excavators	2,362.75	
01 22 23 00-0332	DAY	36" Compaction Wheel Attachment	For Hydraulic Excavators	281.28	
01 22 23 00-0333	WK	36" Compaction Wheel Attachment	For Hydraulic Excavators	1,125.12	
01 22 23 00-0334	MO	36" Compaction Wheel Attachment	For Hydraulic Excavators	3,375.36	
01 22 23 00-0335	DAY	48" Compaction Wheel Attachment	For Hydraulic Excavators	309.41	
01 22 23 00-0336	WK	48" Compaction Wheel Attachment	For Hydraulic Excavators	1,223.57	
01 22 23 00-0337	MO	48" Compaction Wheel Attachment	For Hydraulic Excavators	3,656.64	
01 22 23 00-0338 Road Graders <small>(01 22 23 00-0225)</small>					
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0339	DAY	60 HP Road Grader With Full-Time Operator		997.38	
		<i>For Equipment Without Operator, Deduct</i>		-369.34	
01 22 23 00-0340	WK	60 HP Road Grader With Full-Time Operator		3,545.64	
		<i>For Equipment Without Operator, Deduct</i>		-1,846.72	
01 22 23 00-0341	MO	60 HP Road Grader With Full-Time Operator		13,040.66	
		<i>For Equipment Without Operator, Deduct</i>		-7,960.00	
01 22 23 00-0342	DAY	80 HP Road Grader With Full-Time Operator		1,182.57	
		<i>For Equipment Without Operator, Deduct</i>		-369.34	
01 22 23 00-0343	WK	80 HP Road Grader With Full-Time Operator		4,060.95	
		<i>For Equipment Without Operator, Deduct</i>		-1,846.72	
01 22 23 00-0344	MO	80 HP Road Grader With Full-Time Operator		14,602.70	
		<i>For Equipment Without Operator, Deduct</i>		-7,960.00	
01 22 23 00-0345	DAY	130 HP Road Grader With Full-Time Operator		794.72	
		<i>For Equipment Without Operator, Deduct</i>		-369.34	
01 22 23 00-0346	WK	130 HP Road Grader With Full-Time Operator		3,540.63	
		<i>For Equipment Without Operator, Deduct</i>		-1,846.72	
01 22 23 00-0347	MO	130 HP Road Grader With Full-Time Operator		13,998.82	
		<i>For Equipment Without Operator, Deduct</i>		-7,960.00	
01 22 23 00-0348 Loader-Backhoes With Standard Bucket <small>(01 22 23 00-0225)</small>					
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0349	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....		702.09	
		<i>For Equipment Without Operator, Deduct</i>		-369.34	
01 22 23 00-0350	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....		2,637.01	
		<i>For Equipment Without Operator, Deduct</i>		-1,846.72	
01 22 23 00-0351	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....		9,819.85	
		<i>For Equipment Without Operator, Deduct</i>		-7,960.00	
01 22 23 00-0352	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....		737.74	
		<i>For Equipment Without Operator, Deduct</i>		-369.34	
01 22 23 00-0353	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....		2,761.79	
		<i>For Equipment Without Operator, Deduct</i>		-1,846.72	
01 22 23 00-0354	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....		10,580.42	
		<i>For Equipment Without Operator, Deduct</i>		-7,960.00	
01 22 23 00-0355	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....		792.71	
		<i>For Equipment Without Operator, Deduct</i>		-369.34	
01 22 23 00-0356	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....		2,898.45	
		<i>For Equipment Without Operator, Deduct</i>		-1,846.72	
01 22 23 00-0357	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....		10,972.59	
		<i>For Equipment Without Operator, Deduct</i>		-7,960.00	
01 22 23 00-0358	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....		1,037.82	
		<i>For Equipment Without Operator, Deduct</i>		-369.34	
01 22 23 00-0359	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....		3,629.32	
		<i>For Equipment Without Operator, Deduct</i>		-1,846.72	
01 22 23 00-0360	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....		13,064.18	
		<i>For Equipment Without Operator, Deduct</i>		-7,960.00	
01 22 23 00-0361 Shoring <small>(01 22 23 00-0225)</small>					
Note: Includes delivery to job site and pick-up when complete.					
01 22 23 00-0362 Aluminum Hydraulic Shoring <small>(01 22 23 00-0361)</small>					
Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.					
01 22 23 00-0363	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....		32.28	
		Note: Up to 88" spread width.			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0364	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	95.22	
		Note: Up to 88" spread width.		
01 22 23 00-0365	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	43.31	
		Note: Up to 88" spread width.		
01 22 23 00-0366	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	127.74	
		Note: Up to 88" spread width.		
01 22 23 00-0367	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	80.31	
		Note: Up to 88" spread width.		
01 22 23 00-0368	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	236.90	
		Note: Up to 88" spread width.		
01 22 23 00-0369	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	8.14	
01 22 23 00-0370	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores.....	13.02	
01 22 23 00-0371	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores.....	21.69	

01 22 23 00-0372 Trench Boxes/Trench Shields (01 22 23 00-0225)

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0373	WK	4' x 6' Trench Box With Up To 48" Spreaders.....	147.42	
01 22 23 00-0374	MO	4' x 6' Trench Box With Up To 48" Spreaders.....	442.26	
01 22 23 00-0375	WK	6' x 6' Trench Box With Up To 48" Spreaders.....	166.44	
01 22 23 00-0376	MO	6' x 6' Trench Box With Up To 48" Spreaders.....	499.33	
01 22 23 00-0377	WK	8' x 6' Trench Box With Up To 48" Spreaders.....	175.95	
01 22 23 00-0378	MO	8' x 6' Trench Box With Up To 48" Spreaders.....	527.86	
01 22 23 00-0379	WK	4' x 8' Trench Box With Up To 48" Spreaders.....	161.69	
01 22 23 00-0380	MO	4' x 8' Trench Box With Up To 48" Spreaders.....	485.06	
01 22 23 00-0381	WK	6' x 8' Trench Box With Up To 48" Spreaders.....	190.22	
01 22 23 00-0382	MO	6' x 8' Trench Box With Up To 48" Spreaders.....	570.66	
01 22 23 00-0383	WK	8' x 8' Trench Box With Up To 48" Spreaders.....	214.00	
01 22 23 00-0384	MO	8' x 8' Trench Box With Up To 48" Spreaders.....	641.99	
01 22 23 00-0385	WK	4' x 10' Trench Box With Up To 48" Spreaders.....	180.71	
01 22 23 00-0386	MO	4' x 10' Trench Box With Up To 48" Spreaders.....	542.13	
01 22 23 00-0387	WK	6' x 10' Trench Box With Up To 48" Spreaders.....	214.00	
01 22 23 00-0388	MO	6' x 10' Trench Box With Up To 48" Spreaders.....	641.99	
01 22 23 00-0389	WK	8' x 10' Trench Box With Up To 48" Spreaders.....	261.55	
01 22 23 00-0390	MO	8' x 10' Trench Box With Up To 48" Spreaders.....	779.90	
01 22 23 00-0391	WK	4' x 12' Trench Box With Up To 48" Spreaders.....	214.00	
01 22 23 00-0392	MO	4' x 12' Trench Box With Up To 48" Spreaders.....	641.99	
01 22 23 00-0393	WK	6' x 12' Trench Box With Up To 48" Spreaders.....	261.55	
01 22 23 00-0394	MO	6' x 12' Trench Box With Up To 48" Spreaders.....	784.66	
01 22 23 00-0395	WK	8' x 12' Trench Box With Up To 48" Spreaders.....	332.88	
01 22 23 00-0396	MO	8' x 12' Trench Box With Up To 48" Spreaders.....	998.66	
01 22 23 00-0397	WK	4' x 14' Trench Box With Up To 48" Spreaders.....	237.78	
01 22 23 00-0398	MO	4' x 14' Trench Box With Up To 48" Spreaders.....	713.32	
01 22 23 00-0399	WK	6' x 14' Trench Box With Up To 48" Spreaders.....	309.11	
01 22 23 00-0400	MO	6' x 14' Trench Box With Up To 48" Spreaders.....	927.32	
01 22 23 00-0401	WK	8' x 14' Trench Box With Up To 48" Spreaders.....	380.44	
01 22 23 00-0402	MO	8' x 14' Trench Box With Up To 48" Spreaders.....	1,141.32	
01 22 23 00-0403	WK	4' x 16' Trench Box With Up To 48" Spreaders.....	261.55	
01 22 23 00-0404	MO	4' x 16' Trench Box With Up To 48" Spreaders.....	784.66	
01 22 23 00-0405	WK	6' x 16' Trench Box With Up To 48" Spreaders.....	356.66	
01 22 23 00-0406	MO	6' x 16' Trench Box With Up To 48" Spreaders.....	1,069.99	
01 22 23 00-0407	WK	8' x 16' Trench Box With Up To 48" Spreaders.....	428.00	
01 22 23 00-0408	MO	8' x 16' Trench Box With Up To 48" Spreaders.....	1,283.98	
01 22 23 00-0409	WK	4' x 20' Trench Box With Up To 48" Spreaders.....	309.11	
01 22 23 00-0410	MO	4' x 20' Trench Box With Up To 48" Spreaders.....	927.32	
01 22 23 00-0411	WK	6' x 20' Trench Box With Up To 48" Spreaders.....	428.00	
01 22 23 00-0412	MO	6' x 20' Trench Box With Up To 48" Spreaders.....	1,283.98	
01 22 23 00-0413	WK	8' x 20' Trench Box With Up To 48" Spreaders.....	499.33	
01 22 23 00-0414	MO	8' x 20' Trench Box With Up To 48" Spreaders.....	1,497.98	
01 22 23 00-0415	WK	4' x 24' Trench Box With Up To 48" Spreaders.....	428.00	
01 22 23 00-0416	MO	4' x 24' Trench Box With Up To 48" Spreaders.....	1,283.98	
01 22 23 00-0417	WK	6' x 24' Trench Box With Up To 48" Spreaders.....	523.10	
01 22 23 00-0418	MO	6' x 24' Trench Box With Up To 48" Spreaders.....	1,569.32	
01 22 23 00-0419	WK	8' x 24' Trench Box With Up To 48" Spreaders.....	570.66	
01 22 23 00-0420	MO	8' x 24' Trench Box With Up To 48" Spreaders.....	1,711.98	
01 22 23 00-0421	WK	For Spreaders >48" To 84", Add.....	14.27	
01 22 23 00-0422	MO	For Spreaders >48" To 84", Add.....	42.80	
01 22 23 00-0423	WK	For Spreaders >84" To 120", Add.....	85.60	
01 22 23 00-0424	MO	For Spreaders >84" To 120", Add.....	256.80	
01 22 23 00-0425	WK	For Spreaders >120", Add.....	180.71	
01 22 23 00-0426	MO	For Spreaders >120", Add.....	542.13	
01 22 23 00-0427	WK	8' x 4' Manhole Box.....	224.70	
01 22 23 00-0428	MO	8' x 4' Manhole Box.....	674.09	
01 22 23 00-0429	WK	8' x 8' Manhole Box.....	321.00	
01 22 23 00-0430	MO	8' x 8' Manhole Box.....	962.99	

01 22 23 00-0431 Trenchers (01 22 23 00-0225)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0432	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	677.50	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0433	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	2,896.39	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0434	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	10,849.00	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0435	DAY 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,197.52 -369.34	
01 22 23 00-0436	WK 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,649.05 -1,846.72	
01 22 23 00-0437	MO 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	15,664.00 -7,960.00	

01 22 23 00-0438

Heavy Equipment Mats ^(01 22 23 00-0225)

Note: Rental price per mat. Excludes mobilization and demobilization. See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0439	Day 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	21.40	
01 22 23 00-0440	WK 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	50.95	
01 22 23 00-0441	MO 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	107.00	
01 22 23 00-0442	Day 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	22.47	
01 22 23 00-0443	WK 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	53.50	
01 22 23 00-0444	MO 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	112.35	
01 22 23 00-0445	Day 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	18.19	
01 22 23 00-0446	WK 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	42.80	
01 22 23 00-0447	MO 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	90.95	
01 22 23 00-0448	Day 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	20.33	
01 22 23 00-0449	WK 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	48.15	
01 22 23 00-0450	MO 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	101.65	
01 22 23 00-0451	Day 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	22.47	
01 22 23 00-0452	WK 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	53.50	
01 22 23 00-0453	MO 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	112.35	
01 22 23 00-0454	Day 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	24.61	
01 22 23 00-0455	WK 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	58.60	
01 22 23 00-0456	MO 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	123.05	
01 22 23 00-0457	Day 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	19.26	
01 22 23 00-0458	WK 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	53.50	
01 22 23 00-0459	MO 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	96.30	
01 22 23 00-0460	Day 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	22.47	
01 22 23 00-0461	WK 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	53.50	
01 22 23 00-0462	MO 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	112.35	
01 22 23 00-0463	Day 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	26.75	
01 22 23 00-0464	WK 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	58.85	
01 22 23 00-0465	MO 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	133.75	
01 22 23 00-0466	Day 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	28.89	
01 22 23 00-0467	WK 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	68.79	
01 22 23 00-0468	MO 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	144.45	
01 22 23 00-0469	Day 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	31.03	
01 22 23 00-0470	WK 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	73.88	
01 22 23 00-0471	MO 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	155.15	
01 22 23 00-0472	Day 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	32.10	
01 22 23 00-0473	WK 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	76.43	
01 22 23 00-0474	MO 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	160.50	
01 22 23 00-0475	Day 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	10.29	
01 22 23 00-0476	WK 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	25.73	
01 22 23 00-0477	MO 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	77.20	
01 22 23 00-0478	Day 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	12.30	
01 22 23 00-0479	WK 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	30.76	
01 22 23 00-0480	MO 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	92.29	
01 22 23 00-0481	Day 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.05	
01 22 23 00-0482	WK 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	35.13	
01 22 23 00-0483	MO 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	105.40	
01 22 23 00-0484	Day 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.98	
01 22 23 00-0485	WK 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	37.45	
01 22 23 00-0486	MO 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	112.35	
01 22 23 00-0487	Day 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	17.12	
01 22 23 00-0488	WK 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	42.80	
01 22 23 00-0489	MO 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	128.40	
01 22 23 00-0490	Day 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.67	
01 22 23 00-0491	WK 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	49.18	
01 22 23 00-0492	MO 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	147.55	
01 22 23 00-0493	Day 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	15.14	
01 22 23 00-0494	WK 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	37.84	
01 22 23 00-0495	MO 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	113.53	
01 22 23 00-0496	Day 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	20.49	
01 22 23 00-0497	WK 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	51.24	
01 22 23 00-0498	MO 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	153.71	
01 22 23 00-0499	Day 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	17.72	
01 22 23 00-0500	WK 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	44.30	
01 22 23 00-0501	MO 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	132.89	
01 22 23 00-0502	Day 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	29.55	
01 22 23 00-0503	WK 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	73.88	
01 22 23 00-0504	MO 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	221.64	
01 22 23 00-0505	Day 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	31.50	
01 22 23 00-0506	WK 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	78.75	
01 22 23 00-0507	MO 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	236.26	

01 22 23 00-0508

Electrical Equipment ^(01 22 23)

01 22 23 00-0509

Tripod Mounted Floodlights ^(01 22 23 00-0508)

Note: Includes delivery to job site and pick-up when complete.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0510	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	52.40	
01 22 23 00-0511	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	123.98	
01 22 23 00-0512	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	262.01	
01 22 23 00-0513	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	52.40	
01 22 23 00-0514	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	153.37	
01 22 23 00-0515	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	453.73	
01 22 23 00-0516	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	58.79	
01 22 23 00-0517	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	159.76	
01 22 23 00-0518	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	389.82	

01 22 23 00-0519 Trailer Mounted Floodlights (01 22 23 00-0508)

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0520	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	146.98	
01 22 23 00-0521	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	325.92	
01 22 23 00-0522	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	702.96	

01 22 23 00-0523 Generator Sets (01 22 23 00-0508)

01 22 23 00-0524 Portable, Gas Or Diesel Powered Generator Sets (01 22 23 00-0523)

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0607 for reimbursable fuel fees.

01 22 23 00-0525	DAY	3.6 KW, 8 HP Gas Powered Generator Set.....	48.17	
		<i>For LP Or NG Gas, Add</i>	6.02	
01 22 23 00-0526	WK	3.6 KW, 8 HP Gas Powered Generator Set.....	173.65	
		<i>For LP Or NG Gas, Add</i>	21.71	
01 22 23 00-0527	MO	3.6 KW, 8 HP Gas Powered Generator Set.....	481.73	
		<i>For LP Or NG Gas, Add</i>	60.22	
01 22 23 00-0528	DAY	5 KW, 11 HP Gas Powered Generator Set.....	68.34	
		<i>For LP Or NG Gas, Add</i>	8.54	
01 22 23 00-0529	WK	5 KW, 11 HP Gas Powered Generator Set.....	218.46	
		<i>For LP Or NG Gas, Add</i>	27.31	
01 22 23 00-0530	MO	5 KW, 11 HP Gas Powered Generator Set.....	498.53	
		<i>For LP Or NG Gas, Add</i>	62.32	
01 22 23 00-0531	DAY	6.5 KW, 13 HP Gas Powered Generator Set.....	87.38	
		<i>For LP Or NG Gas, Add</i>	10.92	
01 22 23 00-0532	WK	6.5 KW, 13 HP Gas Powered Generator Set.....	235.26	
		<i>For LP Or NG Gas, Add</i>	29.41	
01 22 23 00-0533	MO	6.5 KW, 13 HP Gas Powered Generator Set.....	649.77	
		<i>For LP Or NG Gas, Add</i>	81.22	
01 22 23 00-0534	DAY	10 KW, 18 HP Gas Powered Generator Set.....	97.47	
		<i>For LP Or NG Gas, Add</i>	12.18	
01 22 23 00-0535	WK	10 KW, 18 HP Gas Powered Generator Set.....	263.27	
		<i>For LP Or NG Gas, Add</i>	32.91	
01 22 23 00-0536	MO	10 KW, 18 HP Gas Powered Generator Set.....	756.20	
		<i>For LP Or NG Gas, Add</i>	94.53	

01 22 23 00-0537 Towable, Diesel Powered Generator Sets (01 22 23 00-0523)

Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0607 for reimbursable fuel fees.

01 22 23 00-0538	DAY	20 KW, 60 Hertz Diesel Powered Generator Set.....	200.53	
		Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.		
01 22 23 00-0539	WK	20 KW, 60 Hertz Diesel Powered Generator Set.....	524.30	
		Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.		
01 22 23 00-0540	MO	20 KW, 60 Hertz Diesel Powered Generator Set.....	1,428.38	
		Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.		
01 22 23 00-0541	DAY	40.0 KW, 60 Hertz Diesel Powered Generator Set.....	235.77	
		Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.		
01 22 23 00-0542	WK	40.0 KW, 60 Hertz Diesel Powered Generator Set.....	531.05	
		Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.		
01 22 23 00-0543	MO	40.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,414.63	
		Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.		
01 22 23 00-0544	DAY	70.0 KW, 60 Hertz Diesel Powered Generator Set.....	308.75	
		Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.		
01 22 23 00-0545	WK	70.0 KW, 60 Hertz Diesel Powered Generator Set.....	692.34	
		Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.		
01 22 23 00-0546	MO	70.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,922.66	
		Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.		
01 22 23 00-0547	DAY	100.0 KW, 60 Hertz Diesel Powered Generator Set.....	388.27	
		Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.		
01 22 23 00-0548	WK	100.0 KW, 60 Hertz Diesel Powered Generator Set.....	856.07	
		Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0549	MO		100.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	2,437.24	
01 22 23 00-0550	DAY		120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	399.97	
01 22 23 00-0551	WK		120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	921.57	
01 22 23 00-0552	MO		120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	2,839.55	
01 22 23 00-0553	DAY		150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	411.66	
01 22 23 00-0554	WK		150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	982.38	
01 22 23 00-0555	MO		150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	3,241.85	
01 22 23 00-0556	DAY		175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	450.96	
01 22 23 00-0557	WK		175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	1,025.42	
01 22 23 00-0558	MO		175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	3,405.58	
01 22 23 00-0559	DAY		250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	561.36	
01 22 23 00-0560	WK		250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	1,436.15	
01 22 23 00-0561	MO		250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	3,789.18	
01 22 23 00-0562	DAY		300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	636.21	
01 22 23 00-0563	WK		300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	1,543.74	
01 22 23 00-0564	MO		300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	4,210.20	
01 22 23 00-0565	DAY		350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	898.18	
01 22 23 00-0566	WK		350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	2,020.90	
01 22 23 00-0567	MO		350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	5,389.06	
01 22 23 00-0568	DAY		400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	958.99	
01 22 23 00-0569	WK		400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	2,320.29	
01 22 23 00-0570	MO		400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	6,783.10	
01 22 23 00-0571	DAY		500.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	1,070.33	
01 22 23 00-0572	WK		500.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	2,432.56	
01 22 23 00-0573	MO		500.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	7,297.68	
01 22 23 00-0574	DAY		750.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	1,496.96	
01 22 23 00-0575	WK		750.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	3,742.40	
01 22 23 00-0576	MO		750.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	11,227.20	
01 22 23 00-0577	EA		Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	579.84	
01 22 23 00-0578	EA		350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	879.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0579			Cabling For Generator Sets (01 22 23 00-0523) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0580	DAY		#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	20.58	
01 22 23 00-0581	WK		#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	36.02	
01 22 23 00-0582	MO		#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	108.06	
01 22 23 00-0583	DAY		50', 4/0 Cable With Camlock Ends For Generator Set.....	10.29	
01 22 23 00-0584	WK		50', 4/0 Cable With Camlock Ends For Generator Set.....	29.94	
01 22 23 00-0585	MO		50', 4/0 Cable With Camlock Ends For Generator Set.....	83.27	
01 22 23 00-0586			Resistive Loadbanks (01 22 23 00-0523) Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0607 for reimbursable fuel fees.		
01 22 23 00-0587	DAY		100 KW A/C Resistive Loadbank.....	330.39	
01 22 23 00-0588	WK		100 KW A/C Resistive Loadbank.....	815.43	
01 22 23 00-0589	MO		100 KW A/C Resistive Loadbank.....	2,439.25	
01 22 23 00-0590	DAY		650 KW A/C Resistive Loadbank.....	556.74	
01 22 23 00-0591	WK		650 KW A/C Resistive Loadbank.....	1,488.86	
01 22 23 00-0592	MO		650 KW A/C Resistive Loadbank.....	3,795.96	
01 22 23 00-0593			Sub-Distribution Panels (Spider Box) (01 22 23 00-0523) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0594	DAY		Sub-Distribution Panel (Spider Box).....	50.52	
01 22 23 00-0595	WK		Sub-Distribution Panel (Spider Box).....	130.98	
01 22 23 00-0596	MO		Sub-Distribution Panel (Spider Box).....	369.56	
01 22 23 00-0597			Portable Distribution Panels (01 22 23 00-0523) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0598	DAY		200 Amp Spider Box Feeder Panel.....	112.27	
01 22 23 00-0599	WK		200 Amp Spider Box Feeder Panel.....	304.07	
01 22 23 00-0600	MO		200 Amp Spider Box Feeder Panel.....	851.40	
01 22 23 00-0601	DAY		100 Amp Quad Box Panel.....	91.69	
01 22 23 00-0602	WK		100 Amp Quad Box Panel.....	238.58	
01 22 23 00-0603	MO		100 Amp Quad Box Panel.....	678.31	
01 22 23 00-0604	DAY		200 Amp Quad Box Panel.....	116.95	
01 22 23 00-0605	WK		200 Amp Quad Box Panel.....	294.71	
01 22 23 00-0606	MO		200 Amp Quad Box Panel.....	799.94	
01 22 23 00-0607			Fuel Reimbursement For Generators (01 22 23 00-0523)		
01 22 23 00-0608	EA		Fuel Reimbursement For Generators..... Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.	1.00	
01 22 23 00-0609			General Equipment (01 22 23)		
01 22 23 00-0610			Jacks And Bracing (01 22 23 00-0609)		
01 22 23 00-0611			Manual Hydraulic Jacks (01 22 23 00-0610) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0612	DAY		12 Ton Manual Hydraulic Bottle Jack.....	1.07	
01 22 23 00-0613	WK		12 Ton Manual Hydraulic Bottle Jack.....	5.35	
01 22 23 00-0614	MO		12 Ton Manual Hydraulic Bottle Jack.....	19.26	
01 22 23 00-0615	DAY		20 Ton Manual Hydraulic Bottle Jack.....	2.14	
01 22 23 00-0616	WK		20 Ton Manual Hydraulic Bottle Jack.....	6.42	
01 22 23 00-0617	MO		20 Ton Manual Hydraulic Bottle Jack.....	24.61	
01 22 23 00-0618	DAY		50 Ton Manual Hydraulic Bottle Jack.....	6.42	
01 22 23 00-0619	WK		50 Ton Manual Hydraulic Bottle Jack.....	24.61	
01 22 23 00-0620	MO		50 Ton Manual Hydraulic Bottle Jack.....	86.67	
01 22 23 00-0621	DAY		100 Ton Manual Hydraulic Bottle Jack.....	9.63	
01 22 23 00-0622	WK		100 Ton Manual Hydraulic Bottle Jack.....	38.52	
01 22 23 00-0623	MO		100 Ton Manual Hydraulic Bottle Jack.....	139.10	
01 22 23 00-0624			Manual Screw Jacks (01 22 23 00-0610)		
01 22 23 00-0625	DAY		10 To 20 Ton Manual Screw Jack.....	15.04	
01 22 23 00-0626	WK		10 To 20 Ton Manual Screw Jack.....	40.48	
01 22 23 00-0627	MO		10 To 20 Ton Manual Screw Jack.....	112.20	
01 22 23 00-0628			Pressure Washers (01 22 23 00-0609) Note: Includes full-time operator, delivery, set-up, and removal.		
01 22 23 00-0629	DAY		2,000 PSI Pressure Washer With Full-Time Operator..... For Equipment Without Operator, Deduct	297.11 -205.73	
01 22 23 00-0630	WK		2,000 PSI Pressure Washer With Full-Time Operator..... For Equipment Without Operator, Deduct	1,260.60 -1,028.64	
01 22 23 00-0631	MO		2,000 PSI Pressure Washer With Full-Time Operator..... For Equipment Without Operator, Deduct	5,024.23 -4,433.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0632	DAY		2,500 PSI Pressure Washer With Full-Time Operator .....297.11 <i>For Equipment Without Operator, Deduct</i> -205.73		
01 22 23 00-0633	WK		2,500 PSI Pressure Washer With Full-Time Operator .....1,260.60 <i>For Equipment Without Operator, Deduct</i> -1,028.64		
01 22 23 00-0634	MO		2,500 PSI Pressure Washer With Full-Time Operator .....5,024.23 <i>For Equipment Without Operator, Deduct</i> -4,433.79		
01 22 23 00-0635	DAY		3,000 PSI Pressure Washer With Full-Time Operator .....297.11 <i>For Equipment Without Operator, Deduct</i> -205.73		
01 22 23 00-0636	WK		3,000 PSI Pressure Washer With Full-Time Operator .....1,260.60 <i>For Equipment Without Operator, Deduct</i> -1,028.64		
01 22 23 00-0637	MO		3,000 PSI Pressure Washer With Full-Time Operator .....5,024.23 <i>For Equipment Without Operator, Deduct</i> -4,433.79		
01 22 23 00-0638	DAY		3,500 PSI Pressure Washer With Full-Time Operator .....304.14 <i>For Equipment Without Operator, Deduct</i> -205.73		
01 22 23 00-0639	WK		3,500 PSI Pressure Washer With Full-Time Operator .....1,281.68 <i>For Equipment Without Operator, Deduct</i> -1,028.64		
01 22 23 00-0640	MO		3,500 PSI Pressure Washer With Full-Time Operator .....5,080.46 <i>For Equipment Without Operator, Deduct</i> -4,433.79		
01 22 23 00-0641	DAY		4,000 PSI Pressure Washer With Full-Time Operator .....332.25 <i>For Equipment Without Operator, Deduct</i> -205.73		
01 22 23 00-0642	WK		4,000 PSI Pressure Washer With Full-Time Operator .....1,373.06 <i>For Equipment Without Operator, Deduct</i> -1,028.64		
01 22 23 00-0643	MO		4,000 PSI Pressure Washer With Full-Time Operator .....5,396.76 <i>For Equipment Without Operator, Deduct</i> -4,433.79		
01 22 23 00-0644	DAY		5,000 PSI Pressure Washer With Full-Time Operator .....346.31 <i>For Equipment Without Operator, Deduct</i> -205.73		
01 22 23 00-0645	WK		5,000 PSI Pressure Washer With Full-Time Operator .....1,408.21 <i>For Equipment Without Operator, Deduct</i> -1,028.64		
01 22 23 00-0646	MO		5,000 PSI Pressure Washer With Full-Time Operator .....5,502.20 <i>For Equipment Without Operator, Deduct</i> -4,433.79		
01 22 23 00-0647			Confined Space Entry Equipment (01 22 23 00-0609) Note: Includes delivery, set-up, and removal.		
01 22 23 00-0648	DAY		Ventilation Equipment For Confined Space .....44.94 Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0649	WK		Ventilation Equipment For Confined Space .....134.82 Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0650	MO		Ventilation Equipment For Confined Space .....402.32 Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0651			Space Heaters (01 22 23 00-0609) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0652	DAY		150,000 BTU/Hour Space Heater .....59.26		
01 22 23 00-0653	WK		150,000 BTU/Hour Space Heater .....170.37		
01 22 23 00-0654	MO		150,000 BTU/Hour Space Heater .....481.49		
01 22 23 00-0655	DAY		500,000 BTU/Hour Space Heater .....125.93		
01 22 23 00-0656	WK		500,000 BTU/Hour Space Heater .....311.12		
01 22 23 00-0657	MO		500,000 BTU/Hour Space Heater .....786.68		
01 22 23 00-0658			Marine Equipment (01 22 23)		
01 22 23 00-0659			Barge And Tug Boat Rental (01 22 23 00-0658)		
01 22 23 00-0660	DAY		50' Deck Cargo Barge .....636.16		
01 22 23 00-0661	DAY		90' Deck Cargo Barge .....903.12		
01 22 23 00-0662	DAY		160' Deck Cargo Barge .....1,329.12		
01 22 23 00-0663	DAY		200' Deck Cargo Barge .....2,016.40		
01 22 23 00-0664	DAY		Tug Boat With Operator .....3,000.00 Note: Including fuel and crew.		
01 22 23 00-0665	DAY		Barge Rental With Mounted Crane And Full-time Operator .....1,918.48 Note: Including barge.		
01 22 23 00-0666			Material Handling Equipment (01 22 23)		
01 22 23 00-0667			Truck Mounted Hydraulic Cranes (01 22 23 00-0666) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0668	DAY		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....799.30 <i>For Equipment Without Operator, Deduct</i> -369.34		
01 22 23 00-0669	WK		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....3,149.26 <i>For Equipment Without Operator, Deduct</i> -1,846.72		
01 22 23 00-0670	MO		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....11,880.26 <i>For Equipment Without Operator, Deduct</i> -7,960.00		
01 22 23 00-0671	DAY		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....913.12 <i>For Equipment Without Operator, Deduct</i> -369.34		
01 22 23 00-0672	WK		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....3,487.54 <i>For Equipment Without Operator, Deduct</i> -1,846.72		
01 22 23 00-0673	MO		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....12,891.94 <i>For Equipment Without Operator, Deduct</i> -7,960.00		
01 22 23 00-0674	DAY		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....1,026.93 <i>For Equipment Without Operator, Deduct</i> -369.34		
01 22 23 00-0675	WK		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....3,825.82 <i>For Equipment Without Operator, Deduct</i> -1,846.72		
01 22 23 00-0676	MO		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator13,903.62 <i>For Equipment Without Operator, Deduct</i> -7,960.00		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0677	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,178.68	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0678	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,281.08	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0679	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,263.06	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0680	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,317.79	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0681	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,223.20	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0682	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,086.92	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0683	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,646.59	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0684	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,399.28	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0685	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	21,617.68	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0686	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,855.24	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0687	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,132.75	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0688	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	23,823.14	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0689	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,019.64	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0690	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,727.11	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0691	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	25,603.70	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0692	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,184.04	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0693	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,321.47	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0694	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,384.26	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0695	DAY	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,291.53	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0696	WK	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,688.21	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0697	MO	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,497.10	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0698	DAY	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,436.96	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0699	WK	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,231.98	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0700	MO	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	30,115.79	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	

01 22 23 00-0701 Cable Controlled Lattice Boom, Truck Mounted Mechanical Cranes (01 22 23 00-0696)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0702	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	1,886.86	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0703	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	7,259.21	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0704	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	24,197.46	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0705	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,056.62	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0706	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	9,206.69	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0707	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	30,039.92	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0708	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,246.30	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0709	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	10,591.43	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0710	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	34,192.86	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0711	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,625.68	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0712	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	11,976.17	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0713	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	38,340.75	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0714	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,986.10	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0715	WK	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	14,745.64	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0716	MO	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	46,656.76	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0717	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,580.46	
		<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0718	WK	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	16,876.49	
		<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0719	MO	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	53,040.46	
		<i>For Equipment Without Operator, Deduct</i>	-7,960.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0720 DAY 500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	8,235.15	
<i>For Equipment Without Operator, Deduct</i>	-369.34	
01 22 23 00-0721 WK 500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	29,901.87	
<i>For Equipment Without Operator, Deduct</i>	-1,846.72	
01 22 23 00-0722 MO 500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	92,131.78	
<i>For Equipment Without Operator, Deduct</i>	-7,960.00	
01 22 23 00-0723 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts (01 22 23 00-0666)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0724 DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	705.85	
<i>For Equipment Without Operator, Deduct</i>	-298.03	
01 22 23 00-0725 WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	2,488.21	
<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
01 22 23 00-0726 MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	8,569.37	
<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
01 22 23 00-0727 DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	748.77	
<i>For Equipment Without Operator, Deduct</i>	-298.03	
01 22 23 00-0728 WK 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	2,584.79	
<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
01 22 23 00-0729 MO 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	8,784.01	
<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
01 22 23 00-0730 DAY 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	738.04	
<i>For Equipment Without Operator, Deduct</i>	-298.03	
01 22 23 00-0731 WK 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	2,633.09	
<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
01 22 23 00-0732 MO 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	9,105.97	
<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
01 22 23 00-0733 DAY 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	861.46	
<i>For Equipment Without Operator, Deduct</i>	-298.03	
01 22 23 00-0734 WK 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	2,955.05	
<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
01 22 23 00-0735 MO 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	9,857.21	
<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
01 22 23 00-0736 Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-0666)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0737 DAY 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	563.11	
<i>For Equipment Without Operator, Deduct</i>	-298.03	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	53.02	
01 22 23 00-0738 WK 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	2,214.00	
<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	144.77	
01 22 23 00-0739 MO 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	8,079.72	
<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	331.35	
01 22 23 00-0740 DAY 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	577.06	
<i>For Equipment Without Operator, Deduct</i>	-298.03	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	55.81	
01 22 23 00-0741 WK 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	2,252.10	
<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	152.39	
01 22 23 00-0742 MO 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	8,166.92	
<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	348.79	
01 22 23 00-0743 DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	652.19	
<i>For Equipment Without Operator, Deduct</i>	-298.03	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	70.83	
01 22 23 00-0744 WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	2,461.38	
<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	194.25	
01 22 23 00-0745 MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	8,649.86	
<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	445.38	
01 22 23 00-0746 DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	693.56	
<i>For Equipment Without Operator, Deduct</i>	-298.03	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	79.11	
01 22 23 00-0747 WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	2,443.45	
<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	190.66	
01 22 23 00-0748 MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	8,796.14	
<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	474.63	
01 22 23 00-0749 Straight Mast, Industrial Warehouse Forklifts (01 22 23 00-0666)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0750 DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	523.40	
<i>For Equipment Without Operator, Deduct</i>	-298.03	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	45.07	
01 22 23 00-0751 WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	2,005.27	
<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	103.03	
01 22 23 00-0752 MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	7,657.15	
<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	246.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0753	DAY		6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	528.77	
			<i>For Equipment Without Operator, Deduct</i>	-298.03	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	46.15	
01 22 23 00-0754	WK		6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	2,021.36	
			<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	106.25	
01 22 23 00-0755	MO		6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	7,694.71	
			<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	254.35	
01 22 23 00-0756	DAY		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	641.45	
			<i>For Equipment Without Operator, Deduct</i>	-298.03	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	68.68	
01 22 23 00-0757	WK		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	2,268.20	
			<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	155.61	
01 22 23 00-0758	MO		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	8,301.07	
			<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	375.62	
01 22 23 00-0759	DAY		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	652.19	
			<i>For Equipment Without Operator, Deduct</i>	-298.03	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	70.83	
01 22 23 00-0760	WK		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	2,359.42	
			<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	173.86	
01 22 23 00-0761	MO		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	8,623.03	
			<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	440.01	
01 22 23 00-0762	DAY		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	748.77	
			<i>For Equipment Without Operator, Deduct</i>	-298.03	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	90.15	
01 22 23 00-0763	WK		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	2,515.04	
			<i>For Equipment Without Operator, Deduct</i>	-1,490.13	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	204.98	
01 22 23 00-0764	MO		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	8,891.33	
			<i>For Equipment Without Operator, Deduct</i>	-6,422.97	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	493.67	

01 22 23 00-0765

Chain Hoists (01 22 23 00-0666)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0766	DAY		1 Ton, 20' Lift, Manual Chain Hoist	0.80	
01 22 23 00-0767	WK		1 Ton, 20' Lift, Manual Chain Hoist	3.21	
01 22 23 00-0768	MO		1 Ton, 20' Lift, Manual Chain Hoist	9.63	
01 22 23 00-0769	DAY		3 Ton, 20' Lift, Manual Chain Hoist	2.14	
01 22 23 00-0770	WK		3 Ton, 20' Lift, Manual Chain Hoist	6.42	
01 22 23 00-0771	MO		3 Ton, 20' Lift, Manual Chain Hoist	24.61	
01 22 23 00-0772	DAY		5 Ton, 20' Lift, Manual Chain Hoist	3.21	
01 22 23 00-0773	WK		5 Ton, 20' Lift, Manual Chain Hoist	10.70	
01 22 23 00-0774	MO		5 Ton, 20' Lift, Manual Chain Hoist	39.59	
01 22 23 00-0775	DAY		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	26.75	
01 22 23 00-0776	WK		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	105.93	
01 22 23 00-0777	MO		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	379.85	
01 22 23 00-0778	DAY		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	31.03	
01 22 23 00-0779	WK		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	123.05	
01 22 23 00-0780	MO		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	438.70	
01 22 23 00-0781	DAY		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	32.10	
01 22 23 00-0782	WK		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	128.40	
01 22 23 00-0783	MO		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	465.45	

01 22 23 00-0784

Pumping Equipment (01 22 23)

01 22 23 00-0785

Gas Powered Portable Centrifugal Pumps (01 22 23 00-0784)

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0809 for larger diameter pumps.

01 22 23 00-0786	DAY		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	60.92	
01 22 23 00-0787	WK		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	137.08	
01 22 23 00-0788	MO		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	365.54	
01 22 23 00-0789	DAY		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	73.11	
01 22 23 00-0790	WK		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	164.49	
01 22 23 00-0791	MO		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	438.65	

01 22 23 00-0792

Gas Powered Portable Diaphragm Pumps (01 22 23 00-0784)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0793	DAY		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	70.06	
01 22 23 00-0794	WK		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	198.00	
01 22 23 00-0795	MO		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	502.62	
01 22 23 00-0796	DAY		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	85.29	
01 22 23 00-0797	WK		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	228.46	
01 22 23 00-0798	MO		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	647.32	

01 22 23 00-0799

Gas Powered Portable Trash Pumps (01 22 23 00-0784)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0800	DAY		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	88.34	
01 22 23 00-0801	WK		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	182.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0802 MO 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	548.32	
01 22 23 00-0803 DAY 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	88.34	
01 22 23 00-0804 WK 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	236.08	
01 22 23 00-0805 MO 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	647.32	
01 22 23 00-0806 DAY 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	140.13	
01 22 23 00-0807 WK 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	396.01	
01 22 23 00-0808 MO 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,149.94	
01 22 23 00-0809 Diesel Powered Portable Trash Pumps (01 22 23 00-0784)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0810 DAY 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	274.16	
01 22 23 00-0811 WK 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	746.32	
01 22 23 00-0812 MO 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	3,251.82	
01 22 23 00-0813 DAY 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	418.85	
01 22 23 00-0814 WK 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,096.63	
01 22 23 00-0815 MO 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,916.74	
01 22 23 00-0816 DAY 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	569.64	
01 22 23 00-0817 WK 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,524.62	
01 22 23 00-0818 MO 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	4,078.86	
01 22 23 00-0819 DAY 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	737.18	
01 22 23 00-0820 WK 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,882.55	
01 22 23 00-0821 MO 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	5,528.85	
01 22 23 00-0822 Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-0784)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0823 DAY 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	391.44	
01 22 23 00-0824 WK 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	891.01	
01 22 23 00-0825 MO 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,778.13	
01 22 23 00-0826 DAY 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	479.78	
01 22 23 00-0827 WK 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,195.63	
01 22 23 00-0828 MO 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,251.82	
01 22 23 00-0829 DAY 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	578.78	
01 22 23 00-0830 WK 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,711.96	
01 22 23 00-0831 MO 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,774.92	
01 22 23 00-0832 DAY 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	871.21	
01 22 23 00-0833 WK 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,225.25	
01 22 23 00-0834 MO 510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,534.10	
01 22 23 00-0835 3 Phase Electric Submersible Pumps (01 22 23 00-0784)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0836 DAY 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	152.31	
01 22 23 00-0837 WK 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	380.78	
01 22 23 00-0838 MO 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,142.32	
01 22 23 00-0839 DAY 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	201.05	
01 22 23 00-0840 WK 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	502.62	
01 22 23 00-0841 MO 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,507.87	
01 22 23 00-0842 Suction Hose With Couplings (01 22 23 00-0784)		
Note: Includes delivery, set-up, and removal.		
01 22 23 00-0843 DAY Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	9.14	
01 22 23 00-0844 WK Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	22.85	
01 22 23 00-0845 MO Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	70.06	
01 22 23 00-0846 DAY 3" Inside Diameter, 20' Length, Suction Hose With Couplings	24.37	
01 22 23 00-0847 WK 3" Inside Diameter, 20' Length, Suction Hose With Couplings	62.45	
01 22 23 00-0848 MO 3" Inside Diameter, 20' Length, Suction Hose With Couplings	190.39	
01 22 23 00-0849 DAY 4" Inside Diameter, 20' Length, Suction Hose With Couplings	36.55	
01 22 23 00-0850 WK 4" Inside Diameter, 20' Length, Suction Hose With Couplings	92.91	
01 22 23 00-0851 MO 4" Inside Diameter, 20' Length, Suction Hose With Couplings	281.77	
01 22 23 00-0852 DAY 6" Inside Diameter, 20' Length, Suction Hose With Couplings	45.69	
01 22 23 00-0853 WK 6" Inside Diameter, 20' Length, Suction Hose With Couplings	114.23	
01 22 23 00-0854 MO 6" Inside Diameter, 20' Length, Suction Hose With Couplings	335.08	
01 22 23 00-0855 DAY 10" Inside Diameter, 20' Length, Suction Hose With Couplings	106.62	
01 22 23 00-0856 WK 10" Inside Diameter, 20' Length, Suction Hose With Couplings	274.16	
01 22 23 00-0857 MO 10" Inside Diameter, 20' Length, Suction Hose With Couplings	807.24	
01 22 23 00-0858 DAY 12" Inside Diameter, 20' Length, Suction Hose With Couplings	143.17	
01 22 23 00-0859 WK 12" Inside Diameter, 20' Length, Suction Hose With Couplings	312.24	
01 22 23 00-0860 MO 12" Inside Diameter, 20' Length, Suction Hose With Couplings	936.71	
01 22 23 00-0861 Discharge Hose With Couplings (01 22 23 00-0784)		
Note: Includes delivery, set-up, and removal.		
01 22 23 00-0862 DAY 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	9.14	
01 22 23 00-0863 WK 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.85	
01 22 23 00-0864 MO 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	70.06	
01 22 23 00-0865 DAY 2" Inside Diameter, 50' Length, Discharge Hose With Couplings	10.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0866	WK	2"	Inside Diameter, 50' Length, Discharge Hose With Couplings.....	25.89	
01 22 23 00-0867	MO	2"	Inside Diameter, 50' Length, Discharge Hose With Couplings.....	80.72	
01 22 23 00-0868	DAY	3"	Inside Diameter, 50' Length, Discharge Hose With Couplings.....	12.18	
01 22 23 00-0869	WK	3"	Inside Diameter, 50' Length, Discharge Hose With Couplings.....	30.46	
01 22 23 00-0870	MO	3"	Inside Diameter, 50' Length, Discharge Hose With Couplings.....	92.91	
01 22 23 00-0871	DAY	4"	Inside Diameter, 50' Length, Discharge Hose With Couplings.....	31.99	
01 22 23 00-0872	WK	4"	Inside Diameter, 50' Length, Discharge Hose With Couplings.....	82.25	
01 22 23 00-0873	MO	4"	Inside Diameter, 50' Length, Discharge Hose With Couplings.....	236.08	
01 22 23 00-0874	DAY	6"	Inside Diameter, 50' Length, Discharge Hose With Couplings.....	39.60	
01 22 23 00-0875	WK	6"	Inside Diameter, 50' Length, Discharge Hose With Couplings.....	108.14	
01 22 23 00-0876	MO	6"	Inside Diameter, 50' Length, Discharge Hose With Couplings.....	297.00	
01 22 23 00-0877	DAY	10"	Inside Diameter, 10' Length, Discharge Hose With Couplings.....	30.46	
01 22 23 00-0878	WK	10"	Inside Diameter, 10' Length, Discharge Hose With Couplings.....	76.16	
01 22 23 00-0879	MO	10"	Inside Diameter, 10' Length, Discharge Hose With Couplings.....	228.46	
01 22 23 00-0880	DAY	12"	Inside Diameter, 10' Length, Discharge Hose With Couplings.....	77.68	
01 22 23 00-0881	WK	12"	Inside Diameter, 10' Length, Discharge Hose With Couplings.....	198.00	
01 22 23 00-0882	MO	12"	Inside Diameter, 10' Length, Discharge Hose With Couplings.....	586.39	

01 22 23 00-0883 Hydraulic Submersible Pumps (01 22 23 00-0784)

01 22 23 00-0884 Hydraulic Submersible Pumps (01 22 23 00-0883)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0885	DAY	60,000	GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	100.52	
01 22 23 00-0886	WK	60,000	GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	269.59	
01 22 23 00-0887	MO	60,000	GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	753.93	
01 22 23 00-0888	DAY	132,000	GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	127.94	
01 22 23 00-0889	WK	132,000	GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	328.99	
01 22 23 00-0890	MO	132,000	GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	1,005.25	

01 22 23 00-0891 Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-0883)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0892	DAY	100	HP, Hydraulic Submersible Pump Diesel Power Pack.....	232.27	
01 22 23 00-0893	WK	100	HP, Hydraulic Submersible Pump Diesel Power Pack.....	693.01	
01 22 23 00-0894	MO	100	HP, Hydraulic Submersible Pump Diesel Power Pack.....	1,827.72	

01 22 23 00-0895 HDPE Pipe With Couplings (01 22 23 00-0784)

Note: Includes delivery, set-up, and removal.

01 22 23 00-0896	DAY	4" x 20'	HDPE Pipe With Couplings.....	5.35	
01 22 23 00-0897	WK	4" x 20'	HDPE Pipe With Couplings.....	12.84	
01 22 23 00-0898	MON	4" x 20'	HDPE Pipe With Couplings.....	39.59	
01 22 23 00-0899	DAY	6" x 20'	HDPE Pipe With Couplings.....	8.56	
01 22 23 00-0900	WK	6" x 20'	HDPE Pipe With Couplings.....	21.40	
01 22 23 00-0901	MON	6" x 20'	HDPE Pipe With Couplings.....	65.27	
01 22 23 00-0902	DAY	8" x 20'	HDPE Pipe With Couplings.....	13.91	
01 22 23 00-0903	WK	8" x 20'	HDPE Pipe With Couplings.....	36.38	
01 22 23 00-0904	MON	8" x 20'	HDPE Pipe With Couplings.....	108.07	
01 22 23 00-0905	DAY	10" x 20'	HDPE Pipe With Couplings.....	17.12	
01 22 23 00-0906	WK	10" x 20'	HDPE Pipe With Couplings.....	43.87	
01 22 23 00-0907	MON	10" x 20'	HDPE Pipe With Couplings.....	133.75	
01 22 23 00-0908	DAY	12" x 10'	HDPE Pipe With Couplings.....	12.84	
01 22 23 00-0909	WK	12" x 10'	HDPE Pipe With Couplings.....	35.31	
01 22 23 00-0910	MON	12" x 10'	HDPE Pipe With Couplings.....	107.00	
01 22 23 00-0911	DAY	4" Elbow For HDPE Pipe, Quick Connect.....	12.84		
01 22 23 00-0912	WK	4" Elbow For HDPE Pipe, Quick Connect.....	33.17		
01 22 23 00-0913	MON	4" Elbow For HDPE Pipe, Quick Connect.....	98.44		
01 22 23 00-0914	DAY	6" Elbow For HDPE Pipe, Quick Connect.....	14.98		
01 22 23 00-0915	WK	6" Elbow For HDPE Pipe, Quick Connect.....	38.52		
01 22 23 00-0916	MON	6" Elbow For HDPE Pipe, Quick Connect.....	117.70		
01 22 23 00-0917	DAY	8" Elbow For HDPE Pipe, Quick Connect.....	17.12		
01 22 23 00-0918	WK	8" Elbow For HDPE Pipe, Quick Connect.....	43.87		
01 22 23 00-0919	MON	8" Elbow For HDPE Pipe, Quick Connect.....	133.75		
01 22 23 00-0920	DAY	10" Elbow For HDPE Pipe, Quick Connect.....	21.40		
01 22 23 00-0921	WK	10" Elbow For HDPE Pipe, Quick Connect.....	54.57		
01 22 23 00-0922	MON	10" Elbow For HDPE Pipe, Quick Connect.....	165.85		
01 22 23 00-0923	DAY	12" Elbow For HDPE Pipe, Quick Connect.....	21.40		
01 22 23 00-0924	WK	12" Elbow For HDPE Pipe, Quick Connect.....	54.57		
01 22 23 00-0925	MON	12" Elbow For HDPE Pipe, Quick Connect.....	165.85		
01 22 23 00-0926	DAY	4" Tee For HDPE Pipe, Quick Connect.....	12.84		
01 22 23 00-0927	WK	4" Tee For HDPE Pipe, Quick Connect.....	33.17		
01 22 23 00-0928	MON	4" Tee For HDPE Pipe, Quick Connect.....	98.44		
01 22 23 00-0929	DAY	6" Tee For HDPE Pipe, Quick Connect.....	17.12		
01 22 23 00-0930	WK	6" Tee For HDPE Pipe, Quick Connect.....	43.87		
01 22 23 00-0931	MON	6" Tee For HDPE Pipe, Quick Connect.....	133.75		
01 22 23 00-0932	DAY	8" Tee For HDPE Pipe, Quick Connect.....	21.40		
01 22 23 00-0933	WK	8" Tee For HDPE Pipe, Quick Connect.....	54.57		
01 22 23 00-0934	MON	8" Tee For HDPE Pipe, Quick Connect.....	165.85		
01 22 23 00-0935	DAY	10" Tee For HDPE Pipe, Quick Connect.....	25.68		
01 22 23 00-0936	WK	10" Tee For HDPE Pipe, Quick Connect.....	65.27		
01 22 23 00-0937	MON	10" Tee For HDPE Pipe, Quick Connect.....	197.95		
01 22 23 00-0938	DAY	12" Tee For HDPE Pipe, Quick Connect.....	25.68		
01 22 23 00-0939	WK	12" Tee For HDPE Pipe, Quick Connect.....	65.27		
01 22 23 00-0940	MON	12" Tee For HDPE Pipe, Quick Connect.....	197.95		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0941	DAY	4"	Cap For HDPE Pipe, Quick Connect.....	2.14	
01 22 23 00-0942	WK	4"	Cap For HDPE Pipe, Quick Connect.....	6.42	
01 22 23 00-0943	MON	4"	Cap For HDPE Pipe, Quick Connect.....	19.26	
01 22 23 00-0944	DAY	6"	Cap For HDPE Pipe, Quick Connect.....	2.14	
01 22 23 00-0945	WK	6"	Cap For HDPE Pipe, Quick Connect.....	6.42	
01 22 23 00-0946	MON	6"	Cap For HDPE Pipe, Quick Connect.....	19.26	
01 22 23 00-0947	DAY	8"	Cap For HDPE Pipe, Quick Connect.....	2.14	
01 22 23 00-0948	WK	8"	Cap For HDPE Pipe, Quick Connect.....	6.42	
01 22 23 00-0949	MON	8"	Cap For HDPE Pipe, Quick Connect.....	19.26	
01 22 23 00-0950	DAY	10"	Cap For HDPE Pipe, Quick Connect.....	2.14	
01 22 23 00-0951	WK	10"	Cap For HDPE Pipe, Quick Connect.....	6.42	
01 22 23 00-0952	MON	10"	Cap For HDPE Pipe, Quick Connect.....	19.26	
01 22 23 00-0953	DAY	12"	Cap For HDPE Pipe, Quick Connect.....	2.14	
01 22 23 00-0954	WK	12"	Cap For HDPE Pipe, Quick Connect.....	6.42	
01 22 23 00-0955	MON	12"	Cap For HDPE Pipe, Quick Connect.....	19.26	
01 22 23 00-0956	DAY	4"	Wye For HDPE Pipe, Quick Connect.....	6.42	
01 22 23 00-0957	WK	4"	Wye For HDPE Pipe, Quick Connect.....	16.05	
01 22 23 00-0958	MON	4"	Wye For HDPE Pipe, Quick Connect.....	49.22	
01 22 23 00-0959	DAY	6"	Wye For HDPE Pipe, Quick Connect.....	7.49	
01 22 23 00-0960	WK	6"	Wye For HDPE Pipe, Quick Connect.....	19.26	
01 22 23 00-0961	MON	6"	Wye For HDPE Pipe, Quick Connect.....	58.85	
01 22 23 00-0962	DAY	8"	Wye For HDPE Pipe, Quick Connect.....	12.84	
01 22 23 00-0963	WK	8"	Wye For HDPE Pipe, Quick Connect.....	33.17	
01 22 23 00-0964	MON	8"	Wye For HDPE Pipe, Quick Connect.....	98.44	
01 22 23 00-0965	DAY	10"	Wye For HDPE Pipe, Quick Connect.....	19.26	
01 22 23 00-0966	WK	10"	Wye For HDPE Pipe, Quick Connect.....	49.22	
01 22 23 00-0967	MON	10"	Wye For HDPE Pipe, Quick Connect.....	149.80	
01 22 23 00-0968	DAY	12"	Wye For HDPE Pipe, Quick Connect.....	19.26	
01 22 23 00-0969	WK	12"	Wye For HDPE Pipe, Quick Connect.....	49.22	
01 22 23 00-0970	MON	12"	Wye For HDPE Pipe, Quick Connect.....	149.80	
01 22 23 00-0971	Temporary Building Services (01 22 23)				
01 22 23 00-0972	Chillers (01 22 23 00-0971) Note: Excludes operator, delivery, set-up, and removal.				
01 22 23 00-0973	Air Cooled Chillers (01 22 23 00-0972)				
01 22 23 00-0974	MO	25 Ton	Air Cooled Chiller Rental.....	2,522.06	
			For >3 To 6 Month Rental, Deduct	-378.31	
			For >6 Month Rental, Deduct	-630.52	
01 22 23 00-0975	MO	40 Ton	Air Cooled Chiller Rental.....	4,035.30	
			For >3 To 6 Month Rental, Deduct	-605.30	
			For >6 Month Rental, Deduct	-1,008.83	
01 22 23 00-0976	MO	60 Ton	Air Cooled Chiller Rental.....	4,935.63	
			For >3 To 6 Month Rental, Deduct	-740.34	
			For >6 Month Rental, Deduct	-1,233.91	
01 22 23 00-0977	MO	80 Ton	Air Cooled Chiller Rental.....	5,835.95	
			For >3 To 6 Month Rental, Deduct	-875.39	
			For >6 Month Rental, Deduct	-1,458.99	
01 22 23 00-0978	MO	100 Ton	Air Cooled Chiller Rental.....	6,736.28	
			For >3 To 6 Month Rental, Deduct	-1,010.44	
			For >6 Month Rental, Deduct	-1,684.07	
01 22 23 00-0979	MO	125 Ton	Air Cooled Chiller Rental.....	7,804.11	
			For >3 To 6 Month Rental, Deduct	-1,170.62	
			For >6 Month Rental, Deduct	-1,951.03	
01 22 23 00-0980	MO	155 Ton	Air Cooled Chiller Rental.....	9,441.06	
			For >3 To 6 Month Rental, Deduct	-1,416.16	
			For >6 Month Rental, Deduct	-2,360.27	
01 22 23 00-0981	MO	170 Ton	Air Cooled Chiller Rental.....	10,095.85	
			For >3 To 6 Month Rental, Deduct	-1,514.38	
			For >6 Month Rental, Deduct	-2,523.96	
01 22 23 00-0982	MO	200 Ton	Air Cooled Chiller Rental.....	11,597.67	
			For >3 To 6 Month Rental, Deduct	-1,739.65	
			For >6 Month Rental, Deduct	-2,899.42	
01 22 23 00-0983	MO	250 Ton	Air Cooled Chiller Rental.....	13,799.95	
			For >3 To 6 Month Rental, Deduct	-2,069.99	
			For >6 Month Rental, Deduct	-3,449.99	
01 22 23 00-0984	MO	300 Ton	Air Cooled Chiller Rental.....	16,103.11	
			Note: Includes trailer.		
			For >3 To 6 Month Rental, Deduct	-2,415.47	
			For >6 Month Rental, Deduct	-4,025.78	
01 22 23 00-0985	MO	400 Ton	Air Cooled Chiller Rental.....	21,242.41	
			Note: Includes trailer, pump and 200' of 6" hose.		
			For >3 To 6 Month Rental, Deduct	-3,186.36	
			For >6 Month Rental, Deduct	-5,310.60	
01 22 23 00-0986	MO	500 Ton	Air Cooled Chiller Rental.....	26,294.14	
			Note: Includes trailer, pump and 200' of 6" hose.		
			For >3 To 6 Month Rental, Deduct	-3,944.12	
			For >6 Month Rental, Deduct	-6,573.54	
01 22 23 00-0987	Chiller Rental Accessories (01 22 23 00-0972)				
01 22 23 00-0988	EA	Setup	Rental Chiller.....	1,348.20	
			Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-0989	MO	4" x 25'	Flexible Water Hose For Chiller Rental.....	44.94	
01 22 23 00-0990	MO	6" x 25'	Flexible Water Hose For Chiller Rental.....	56.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0991	Emergency Cooler/Freezer <small>(01 22 23 00-0971)</small>		
Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115V or 230V, freezer 208/230V, combo 115V or 230V.			
01 22 23 00-0992	DAY	8 x 6 x 7 Emergency Cooler Rental	96.30
01 22 23 00-0993	WK	8 x 6 x 7 Emergency Cooler Rental	513.60
01 22 23 00-0994	DAY	10 x 7 x 7 Emergency Cooler Rental	192.60
01 22 23 00-0995	WK	10 x 7 x 7 Emergency Cooler Rental	770.40
01 22 23 00-0996	MO	10 x 7 x 7 Emergency Cooler Rental	1,926.00
01 22 23 00-0997	DAY	10 x 7 x 7 Emergency Freezer Rental.....	224.70
01 22 23 00-0998	WK	10 x 7 x 7 Emergency Freezer Rental.....	898.80
01 22 23 00-0999	MO	10 x 7 x 7 Emergency Freezer Rental.....	2,311.20
01 22 23 00-1000	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	256.80
01 22 23 00-1001	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,027.20
01 22 23 00-1002	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	2,568.00

01 22 23 00-1003	Portable Spot Cooling Units <small>(01 22 23 00-0971)</small>		
Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes operator.			
01 22 23 00-1004	DAY	1 Ton Portable Spot Cooling Unit.....	133.75
01 22 23 00-1005	WK	1 Ton Portable Spot Cooling Unit.....	294.25
01 22 23 00-1006	MO	1 Ton Portable Spot Cooling Unit.....	588.50
01 22 23 00-1007	DAY	2 Ton Portable Spot Cooling Unit.....	214.00
01 22 23 00-1008	WK	2 Ton Portable Spot Cooling Unit.....	428.00
01 22 23 00-1009	MO	2 Ton Portable Spot Cooling Unit.....	963.00
01 22 23 00-1010	DAY	3 Ton Portable Spot Cooling Unit.....	321.00
01 22 23 00-1011	WK	3 Ton Portable Spot Cooling Unit.....	642.00
01 22 23 00-1012	MO	3 Ton Portable Spot Cooling Unit.....	1,284.00
01 22 23 00-1013	DAY	5 Ton Portable Spot Cooling Unit.....	374.50
01 22 23 00-1014	WK	5 Ton Portable Spot Cooling Unit.....	749.00
01 22 23 00-1015	MO	5 Ton Portable Spot Cooling Unit.....	1,712.00
01 22 23 00-1016	DAY	10 Ton Portable Spot Cooling Unit.....	802.50
01 22 23 00-1017	WK	10 Ton Portable Spot Cooling Unit.....	1,284.00
01 22 23 00-1018	MO	10 Ton Portable Spot Cooling Unit.....	2,568.00
01 22 23 00-1019	DAY	20 Ton Portable Spot Cooling Unit.....	1,070.00
01 22 23 00-1020	WK	20 Ton Portable Spot Cooling Unit.....	1,872.50
01 22 23 00-1021	MO	20 Ton Portable Spot Cooling Unit.....	4,012.50
01 22 23 00-1022	DAY	25 Ton Portable Spot Cooling Unit.....	856.00
01 22 23 00-1023	WK	25 Ton Portable Spot Cooling Unit.....	1,819.00
01 22 23 00-1024	MO	25 Ton Portable Spot Cooling Unit.....	4,280.00

01 22 23 00-1025	Truck And Trailer Equipment <small>(01 22 23)</small>		
01 22 23 00-1026	Trucks <small>(01 22 23 00-1025)</small>		
Note: Includes full-time driver, delivery, and removal.			
01 22 23 00-1027	Flat Bed Trucks <small>(01 22 23 00-1026)</small>		
Note: Includes hydraulic tilt bed.			
01 22 23 00-1028	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	563.86
For Equipment Without Operator, Deduct			-321.88
01 22 23 00-1029	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	2,243.77
For Equipment Without Operator, Deduct			-1,609.39
01 22 23 00-1030	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	8,539.32
For Equipment Without Operator, Deduct			-6,937.02
01 22 23 00-1031	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	668.50
For Equipment Without Operator, Deduct			-321.88
01 22 23 00-1032	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	2,511.91
For Equipment Without Operator, Deduct			-1,609.39
01 22 23 00-1033	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	9,226.02
For Equipment Without Operator, Deduct			-6,937.02
01 22 23 00-1034	DAY	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	743.58
For Equipment Without Operator, Deduct			-321.88
01 22 23 00-1035	WK	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	2,798.89
For Equipment Without Operator, Deduct			-1,609.39
01 22 23 00-1036	MO	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	10,318.21
For Equipment Without Operator, Deduct			-6,937.03

01 22 23 00-1037	Light Duty Trucks <small>(01 22 23 00-1026)</small>		
01 22 23 00-1038	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	558.79
For Equipment Without Operator, Deduct			-321.88
01 22 23 00-1039	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	2,386.76
For Equipment Without Operator, Deduct			-1,609.39
01 22 23 00-1040	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	8,565.79
For Equipment Without Operator, Deduct			-6,937.02
01 22 23 00-1041	DAY	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	603.21
For Equipment Without Operator, Deduct			-321.88
01 22 23 00-1042	WK	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	2,520.02
For Equipment Without Operator, Deduct			-1,609.39
01 22 23 00-1043	MO	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	8,861.93
For Equipment Without Operator, Deduct			-6,937.02

01 22 23 00-1044	Rear Dump Trucks <small>(01 22 23 00-1026)</small>		
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1045 DAY 2.5 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	534.92 -306.87	
01 22 23 00-1046 WK 2.5 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,136.68 -1,534.33	
01 22 23 00-1047 MO 2.5 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	8,457.71 -6,613.48	
01 22 23 00-1048 DAY 4 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	625.53 -321.88	
01 22 23 00-1049 WK 4 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,445.99 -1,609.39	
01 22 23 00-1050 MO 4 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	9,105.97 -6,937.02	
01 22 23 00-1051 DAY 6 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	668.91 -321.88	
01 22 23 00-1052 WK 6 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,538.94 -1,609.39	
01 22 23 00-1053 MO 6 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	9,167.94 -6,937.02	
01 22 23 00-1054 DAY 13 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,183.26 -321.88	
01 22 23 00-1055 WK 13 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	3,598.63 -1,609.39	
01 22 23 00-1056 MO 13 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	12,142.50 -6,937.02	
01 22 23 00-1057 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,269.40 -321.88	
01 22 23 00-1058 WK 18 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	3,797.55 -1,609.39	
01 22 23 00-1059 MO 18 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	12,663.05 -6,937.02	
01 22 23 00-1060 Vacuum Trucks <small>(01 22 23 00-1026)</small>		
01 22 23 00-1061 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,177.07 -321.88	
01 22 23 00-1062 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	4,184.86 -1,609.39	
01 22 23 00-1063 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	14,537.02 -6,937.02	
01 22 23 00-1064 Water Trucks <small>(01 22 23 00-1026)</small>		
See CSI section 01 22 23 00-1076 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.		
01 22 23 00-1065 DAY 2,000 Gallon Water Truck With Full-Time Driver <i>For Equipment Without Operator, Deduct</i>	808.51 -321.88	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-1066 WK 2,000 Gallon Water Truck With Full-Time Driver <i>For Equipment Without Operator, Deduct</i>	2,890.85 -1,609.39	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-1067 MO 2,000 Gallon Water Truck With Full-Time Driver <i>For Equipment Without Operator, Deduct</i>	9,964.94 -6,937.02	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-1068 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Driver <i>For Equipment Without Operator, Deduct</i>	1,046.42 -321.88	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-1069 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Driver <i>For Equipment Without Operator, Deduct</i>	3,604.57 -1,609.39	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-1070 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Driver <i>For Equipment Without Operator, Deduct</i>	11,803.32 -6,937.02	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-1071 Asphalt Distribution Trucks <small>(01 22 23 00-1026)</small>		
01 22 23 00-1072 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,442.84 -321.88	
01 22 23 00-1073 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	4,957.87 -1,609.39	
01 22 23 00-1074 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	16,835.96 -6,937.02	
01 22 23 00-1075 Trailers <small>(01 22 23 00-1025)</small>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1076 Water Trailers With Pump <small>(01 22 23 00-1075)</small>		
01 22 23 00-1077 DAY 500 To 600 Gallon Water Trailer With Pump <i>For Equipment Without Operator, Deduct</i>	124.36 -321.88	
01 22 23 00-1078 WK 500 To 600 Gallon Water Trailer With Pump <i>For Equipment Without Operator, Deduct</i>	319.01 -1,609.39	
01 22 23 00-1079 MO 500 To 600 Gallon Water Trailer With Pump <i>For Equipment Without Operator, Deduct</i>	854.31 -6,937.02	

01 30 Administrative Requirements (01)

01 32 Construction Progress Documentation (01 30)

01 32 33 Photographic Documentation (01 32)

01 General Requirements**01 30 Administrative Requirements****01 32 Construction Progress Documentation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 32 33 00-0001	Photography <small>(01 32 33)</small>		
	Note: Excludes QC photographs. As requested by owner.		
01 32 33 00-0002	EA 3-1/2" x 5" Color Print Photograph.....	1.73	
01 32 33 00-0003	EA 4" x 6" Color Print Photograph.....	2.32	
01 32 33 00-0004	EA 5" x 7" Color Print Photograph.....	4.70	
01 32 33 00-0005	EA 8" x 10" Color Print Photograph.....	7.83	

01 32 33 00-0006	Aerial Survey And Photography <small>(01 32 33)</small>		
	Note: Cost per single location, 15 to 20 photos, up to 6 proofs developed, pictures 8" x 10" or 8-1/2" x 11".		
01 32 33 00-0007	EA Aerial Photography, 1 Site Within City, 15-20 Photos, 6 Proofs.....	1,368.67	
	<i>For Each Additional City Location, 15-20 Photos, 6 Proofs, Add</i>	175.00	
	<i>For Each Mile Outside The City Area, Add</i>	3.00	
	<i>For Color Prints Instead Of Black And White, Add</i>	410.60	
01 32 33 00-0008	EA 5 Minute Aerial Video With 3 Tapes And 11 x 14 Still Photograph.....	1,525.32	
	<i>For Each Additional City Location, 15-20 Photos, 6 Proofs, Add</i>	175.00	
	<i>For Each Mile Outside The City Area, Add</i>	3.00	

01 40 Quality Requirements (01)**01 45 Quality Control** (01 40)**01 45 23 Testing And Inspecting Services** (01 45)

Note: Contractor will be paid for testing existing material, as required by the technical specifications and as directed by the Owner (record tests) at the unit price for the appropriate task. The cost of process quality control testing routinely performed by the Contractor is included in the unit prices for the individual tasks.

01 45 23 00-0001	Soils/Aggregate Testing <small>(01 45 23)</small>		
01 45 23 00-0002	Field Soils Tests <small>(01 45 23 00-0001)</small>		
01 45 23 00-0003	EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test.....	188.25	
01 45 23 00-0004	EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test.....	267.19	
01 45 23 00-0005	EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test.....	303.62	
01 45 23 00-0006	EA Resistance (R) Value Soils Test, CA 301, Field Soils Test.....	242.90	
01 45 23 00-0007	EA Soils Classification Test, ASTM D-2487, Field Soils Test.....	364.35	
01 45 23 00-0008	SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	728.47	
01 45 23 00-0009	EA Moisture Density Tests, Standard AASHTO T-99 ASTM D-698.....	140.16	
01 45 23 00-0010	EA UBC Or Swell Test, Field Soils Test.....	95.70	
01 45 23 00-0011	EA Moisture Density Tests, Modified AASHTO T-180, ASTM D1557.....	140.16	
01 45 23 00-0012	EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	182.12	
01 45 23 00-0013	EA Proctor Compaction 6" Standard Mold, Field Soils Test.....	227.65	
01 45 23 00-0014	EA Density And Classification Test, Field Soils Test.....	72.85	
01 45 23 00-0015	EA Percolation Test, FL Dept. of Health and Rehabilitative Services.....	494.70	
	Note: Florida Department of Health and Rehabilitative Services, Chapter 100-6.57. 2 per job minimum.		
	<i>For Each Additional Test, Add</i>	300.00	
01 45 23 00-0016	EA Infiltration Test, Field Soils Test.....	364.23	
01 45 23 00-0017	EA Percolation Test, DCPW Highway Division, Field Soils Test.....	494.70	
	Note: Minimum 12" diameter. Includes 2 per job minimum.		
01 45 23 00-0018	EA Lime Rock Bearing Ratio, Field Soils Test.....	412.25	
	<i>For Each Additional Test, Add</i>	50.00	
01 45 23 00-0019	EA Grain Size, Sieve Analysis Only, AASHTO T-27, Field Soils Test.....	82.45	
01 45 23 00-0020	EA Double Ring Infiltrometer Test, ASTM D3385, Field Soils Test.....	659.60	
01 45 23 00-0021	EA Double Ring Infiltrometer Test For Swale or Grassy Area, ASTM D3385, Field Soils Test.....	659.60	
01 45 23 00-0022	EA Laboratory California Bearing Ratio, ASTM D1883, One Point Test, Field Soils Test.....	329.80	
01 45 23 00-0023	EA Laboratory California Bearing Ratio, ASTM D1883 Three Point Test, Field Soils Test.....	494.70	
01 45 23 00-0024	EA Liquid Limit, Plastic Limit and Plasticity Index, ASTM D4318, Field Soils Test.....	82.45	
01 45 23 00-0025	EA Boring, Standard Penetration, ASTM D1586, Field Soils Test.....	742.05	
	Note: Site Accessible, truck mounted.		
	<i>With Casing, Penetration Depth Up to 50'</i>	10.00	
	<i>With Casing, Penetration Depth >50' to 75'</i>	12.00	
01 45 23 00-0026	EA Soil Classification, ASTM D3282, ASTM D2487, Field Soils Test.....	82.45	
01 45 23 00-0027	EA Specific Gravity, ASTM D854, Field Soils Test.....	82.45	
01 45 23 00-0028	EA Organic Content of Lime Rock by Incineration, ASSJTP T-267, Field Soils Test.....	82.45	
01 45 23 00-0029	EA Lime Rock Base Thickness Determination, Field Soils Test.....	65.96	
	Note: Minimum 3" diameter hole (FAA P-211). 3 test minimum.		
01 45 23 00-0030	DAY Lime Rock Base Thickness Determination, Unlimited Tests, Field Soils Test.....	425.00	
	Note: Minimum 3" diameter hole (FAA P-211).		
01 45 23 00-0031	EA Resistivity Tests, California Test Method 643-7, Field Soils Test.....	329.80	
	Note: With breakdown for the tests, sampling pH measurements of the water and soil.		
01 45 23 00-0032	EA Sediment Test, Field Soils Test.....	65.96	
01 45 23 00-0033	Aggregate Testing <small>(01 45 23 00-0001)</small>		
01 45 23 00-0034	EA Sieve Analysis ASTM C136, FDOT, FAA F-211.....	65.96	
01 45 23 00-0035	EA Absorption, Fine Agg. ASTM C-128, Coarse Agg. ASTM C127.....	65.96	
	Note: Includes absorption test.		
01 45 23 00-0036	EA Special Gravity, Fine Agg. ASTM C-127, Coarse Agg. ASTM C-128.....	65.96	
	Note: Includes absorption test.		
01 45 23 00-0037	EA Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	128.61	
01 45 23 00-0038	EA Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	121.45	
01 45 23 00-0039	EA Aggregate Cleanness Value, ASTM C-128, CA 227.....	121.45	
01 45 23 00-0040	EA Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217.....	91.09	
01 45 23 00-0041	EA Fine Aggregate Durability Index, CA 229.....	97.16	
01 45 23 00-0042	EA Soundness, 5 Cycle Sodium Sulphate, ASTM C-88.....	288.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0043	EA		Los Angeles Abrasion, Graded Material ASTM C-131.....	164.90	
			Note: Small size coarse aggregate.		
01 45 23 00-0044	EA		Los Angeles Rattler, ASTM C-535.....	194.32	
01 45 23 00-0045	EA		Weight Per Cubic Foot ASTM C-29.....	65.96	
01 45 23 00-0046	EA		Organic Color Metric ASTM C40.....	98.94	
01 45 23 00-0047	EA		Crushed Particle, ASTM California Test Method.....	54.64	
01 45 23 00-0048	EA		Clay Lump And Friable Particles, ASTM C142.....	109.27	
01 45 23 00-0049	EA		Material Finer Than 200 Sieve ASTM C117.....	65.96	
01 45 23 00-0050	EA		Salt Content, FDOT FM 5-516.....	123.68	
01 45 23 00-0051	HR		Site Inspection, On Site Concrete Inspection ACI-304.....	35.00	
			Note: Includes slump test. 2 hour minimum.		
01 45 23 00-0052	EA		Los Angeles Abrasion, Uncrushed Material ASTM C131.....	230.86	
			Note: Large size coarse aggregate.		
01 45 23 00-0053			Permeability Tests (01 45 23 00-0001)		
01 45 23 00-0054			In-Place Tests (01 45 23 00-0053)		
01 45 23 00-0055	EA		Double Ring Infiltrometer Test, ASTM D3385.....	964.58	
01 45 23 00-0056	EA		Unconfined Compressive Strength (Pocket Penetrometer) Test.....	45.53	
01 45 23 00-0057			Lab Tests (01 45 23 00-0053)		
01 45 23 00-0058	EA		Falling Head Rigid Wall Consolidometer Technique CAE.....	450.14	
01 45 23 00-0059	EA		Falling Head Permeability Test EPA-9100.....	450.14	
01 45 23 00-0060	EA		Constant Head Permeability Test For Granular Soils, ASTM D2432.....	257.22	
01 45 23 00-0061			Soil Borings Laboratory Tests (01 45 23 00-0001)		
			See CSI section 02 32 13 00-0000 for soil borings.		
01 45 23 00-0062			Concrete/Cement/Asphalt Testing (01 45 23)		
01 45 23 00-0063			Concrete Testing (01 45 23 00-0062)		
01 45 23 00-0064	EA		Prepare 6 x 12 Concrete Cylinder And Deliver To Lab.....	10.62	
01 45 23 00-0065	EA		6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633.....	38.58	
01 45 23 00-0066	EA		Concrete Cores Compression Test, ASTM C-42.....	206.12	
			Note: 6" maximum diameter and 8" maximum length.		
01 45 23 00-0067	EA		6 x 6 x 18 Concrete Flexural Test, ASTM C-78.....	123.68	
			Note: 2 required per beam, mold and pick-up by laboratory. 3rd point load.		
01 45 23 00-0068	EA		Unit Weight Of Concrete Cylinder, ASTM C-567.....	42.51	
01 45 23 00-0069	EA		Concrete Mix Design Review.....	230.76	
01 45 23 00-0070	EA		Concrete Yield Test and Unit Weight ASTM C138.....	49.47	
01 45 23 00-0071	EA		Trial Concrete Batch Prepared In Laboratory.....	546.52	
01 45 23 00-0072	EA		Concrete Shrinkage, ASTM C-157 Modified.....	425.08	
01 45 23 00-0073	EA		6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....	65.58	
01 45 23 00-0074	EA		Concrete Slump Test, ASTM C143.....	30.36	
01 45 23 00-0075	EA		Mortar or Grout Cubes 2" x 2" x 2" ASTM C109.....	16.49	
			Note: Minimum 6 per set.		
01 45 23 00-0076	EA		Air Content Test, Volumetric ASTM C-173, Pressure ASTM C-138.....	24.74	
01 45 23 00-0077	EA		Securing Structural or Pavement Cores ASTM C42, 6" x 14".....	189.64	
			Note: 6" diameter and 14". 2 core minimum.		
01 45 23 00-0078	EA		Cores, Trim and Compressive Test, ASTM C42.....	41.22	
01 45 23 00-0079	EA		Cylinders, Standard 6" x 12" Cylinder ASTM C31, C78, 5 Per Set.....	16.49	
			Note: Cast and tested by laboratory. Includes slump test. Minimum 5 per set.		
01 45 23 00-0080	EA		Cylinders, Standard 6" x 12" Cylinder, ASTM C31, C78, 3 Per Set.....	24.74	
			Note: Cast and tested by laboratory. Includes slump test. Minimum 3 per set.		
01 45 23 00-0081	EA		Cylinders, Lightweight 3" x 6" Cylinder ASTM C495.....	24.74	
			Note: Cast and tested by laboratory. Includes slump test. Minimum 4 per set.		
01 45 23 00-0082	HR		Site Inspection and Quality Assurance Monitoring.....	35.00	
			Note: Includes slump test. 2 hour minimum.		
01 45 23 00-0083	HR		Batch Plant Inspection.....	35.00	
			Note: Mix and weight verification. 4 hour minimum.		
01 45 23 00-0084	HR		Prestress/Precast Inspection ACI 304.....	40.00	
			Note: Bridge and building units and/ or ready mix plant inspection. 4 hour minimum.		
01 45 23 00-0085	HR		Prestress, Stressing Operation and Inspection.....	40.00	
			Note: 4 hour minimum.		
01 45 23 00-0086	EA		Absorption Test of Precast Units, ASTM C497.....	82.45	
01 45 23 00-0087	EA		Penetration Resistance, Windsor Probe Test.....	230.86	
			Note: Includes equipment charge. Minimum 2 hours of field testing required.		
			For Each Additional Hour, Add	40.00	
01 45 23 00-0088	SET		Windsor Probe Bullets, Set Of 3 Probes.....	82.45	
01 45 23 00-0089	HR		Windsor Probe Field Testing.....	65.96	
			Note: 2 Hour minimum.		
01 45 23 00-0090	EA		Uniformity of In Place Concrete Test ASTM C805.....	57.72	
			Note: Use of spring driven steel hammer to determine the uniformity. 4 hour minimum.		
01 45 23 00-0091			Cement Testing (01 45 23 00-0062)		
01 45 23 00-0092	EA		Cement Grab Sample (CCR Title 24).....	30.36	
			Note: Includes sealing and storing 1 year.		
01 45 23 00-0093	EA		2" x 2" x 2" Cube Compression Test, All Type Materials.....	48.58	
01 45 23 00-0094			Asphaltic Concrete Testing (01 45 23 00-0062)		
01 45 23 00-0095	EA		Hveem Asphaltic Concrete Stability Test, CA 366.....	60.72	

01 General Requirements**01 40 Quality Requirements****01 45 Quality Control**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 45 23 00-0096	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	157.88
01 45 23 00-0097	EA	Stability Tests, Premixed, ASTM D1559	60.72
01 45 23 00-0098	EA	Asphaltic Concrete Extraction and Stability Tests at Laboratory..... Note: Marshall method.	189.64
01 45 23 00-0099	EA	Swell Test, CA 305	72.87
		Note: Includes compaction.	
01 45 23 00-0100	EA	Extraction and Gradation of Extracted Aggregates	156.66
01 45 23 00-0101	EA	Gradation On Extracted Sample, ASTM D-5444	121.45
01 45 23 00-0102	EA	Maximum Theoretical Unit Weight, ASTM C2041.....	115.75
01 45 23 00-0103	EA	Unit Weight Sample Requiring Compaction, California Test Method 308.....	24.29
01 45 23 00-0104	EA	Asphalt Unit Weight On Core Test, CA 308C	24.29
01 45 23 00-0105	HR	Asphaltic Concrete Densities, 4 Hour Minimum..... Note: Nuclear backscatter method.	35.00
01 45 23 00-0106	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	81.95
01 45 23 00-0107	EA	Penetration, ASTM D5.....	87.72
01 45 23 00-0108	EA	Paving Design Mix Marshall Method..... Note: Includes sampling, standard design, and applicable Marshall procedures per Asphalt Institute Manual Series No. 2.	783.28
01 45 23 00-0109	HR	Paving Plant Inspection ASTM D290..... Note: Includes extractions, gradations, Marshall tests, and temperature checks. Based on 1 man, 4 hour minimum.	35.00
01 45 23 00-0110	EA	Core Drilling, Thickness Measurement	148.41
		Note: Includes patching and drilling of 3-10 cores. Price based on 3-10 cores.	
		For Each Additional Core Over 10 Cores, Add	80.00
01 45 23 00-0111	HR	On Site QA Inspection, Temp, Density Testing and Observation	35.00
		Note: 2 Hour minimum.	
01 45 23 00-0112		Masonry/Concrete Block/Tile Testing (01 45 23)	
01 45 23 00-0113		Masonry Testing (01 45 23 00-0112)	
01 45 23 00-0114	EA	2" x 4" Cylinder Mortar Compression Test.....	40.08
01 45 23 00-0115	EA	4" x 4" x 8" Grout Prisms Compression Test.....	40.08
01 45 23 00-0116	EA	Masonry Cores Compression Test.....	78.94
01 45 23 00-0117	EA	Composite Grouted Prism Compression Test.....	151.81
01 45 23 00-0118		Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0112)	
01 45 23 00-0119	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140.....	97.16
01 45 23 00-0120	EA	Absorption Test, Moisture Content And Unit Weight.....	66.80
01 45 23 00-0121	EA	Moisture Condition By Relative Humidity, ASTM C427, First Unit	254.96
01 45 23 00-0122	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit.....	127.48
01 45 23 00-0123		Metals Testing (01 45 23)	
01 45 23 00-0124		Tank Tightness Testing (01 45 23 00-0123)	
01 45 23 00-0125	GAL	Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	3.16
01 45 23 00-0126	GAL	>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks.....	2.71
01 45 23 00-0127	EA	Up To 12,000 Gallons, Tank Volumetric Tightness Testing.....	813.79
01 45 23 00-0128	EA	>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing.....	994.31
01 45 23 00-0129	EA	>29,999 Gallons, Tank Volumetric Tightness Testing.....	1,266.30
01 45 23 00-0130		Tank Line Tightness Testing (01 45 23 00-0123)	
01 45 23 00-0131	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	171.71
01 45 23 00-0132	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing.....	190.67
01 45 23 00-0133	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing.....	209.56
01 45 23 00-0134		Other Testing (01 45 23)	
01 45 23 00-0135		Special Testing (01 45 23 00-0134)	
01 45 23 00-0136	EA	Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	94.14
01 45 23 00-0137	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	564.85
01 45 23 00-0138	EA	Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	28.40
01 45 23 00-0139	EA	Testing For The Presence Of PCBs In Caulk, Analysis Per Sample.....	117.72
01 45 23 00-0140	EA	Testing For The Presence Of PCBs In Soil, Analysis Per Sample.....	117.72
01 45 23 00-0141	EA	Testing For The Presence Of PCBs Using Wipe Sampling, Analysis Per Sample.....	117.72
01 45 23 00-0142	EA	Testing For The Presence Of PCBs In Air, Analysis Per Sample	647.46
01 45 23 00-0143		Pile Driving Inspection (01 45 23 00-0134)	
01 45 23 00-0144	HR	Vibroflotation Inspection..... Note: 4 hour minimum.	35.00
01 45 23 00-0145	HR	Pile Driving Inspection	35.00
		Note: 4 hour minimum.	
01 45 23 00-0146		Nondestructive Field Testing Services (01 45 23 00-0134)	
01 45 23 00-0147		Infrared Thermography (01 45 23 00-0146) Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0148 Roof Investigation And Moisture Survey Using Infrared Thermography <small>(01 45 23 00-0147)</small> Note: For on the roof surveys.		
01 45 23 00-0149 EA Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge.....	1,926.00	
01 45 23 00-0150 CSF Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.21	
For CADD Drawings, Add	0.64	
01 45 23 00-0151 CSF >10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.14	
For CADD Drawings, Add	0.43	
01 45 23 00-0152 CSF >50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.60	
For CADD Drawings, Add	0.32	
For Elevated Infrared Thermography Roof Investigation, Add	0.40	
For Aerial Infrared Thermography Roof Investigation, Add	0.40	
01 45 23 00-0153 CSF >250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.07	
For CADD Drawings, Add	0.21	
For Elevated Infrared Thermography Roof Investigation, Add	0.27	
For Aerial Infrared Thermography Roof Investigation, Add	0.27	
01 45 23 00-0154 Building Moisture Investigation Using Infrared Thermography <small>(01 45 23 00-0147)</small> Note: For finding moisture in walls and windows.		
01 45 23 00-0155 EA Building Moisture Investigation Using Infrared Thermography, Mobilization Charge.....	1,016.50	
01 45 23 00-0156 CSF Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	3.21	
For Digital Or Analog Recording Of All Items, Add	1.61	
01 45 23 00-0157 CSF >1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	2.14	
For Digital Or Analog Recording Of All Items, Add	1.07	
01 45 23 00-0158 CSF >5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	1.07	
For Digital Or Analog Recording Of All Items, Add	0.54	
01 45 23 00-0159 General Building Investigation Using Infrared Thermography <small>(01 45 23 00-0147)</small> Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0160 EA General Building Investigation Using Infrared Thermography, Mobilization Charge.....	2,086.50	
01 45 23 00-0161 CSF Up To 1,000 SF, General Building Investigation Using Infrared Thermography	3.21	
For Digital Or Analog Recording Of All Items, Add	1.61	
01 45 23 00-0162 CSF >1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography.....	2.14	
For Digital Or Analog Recording Of All Items, Add	1.07	
01 45 23 00-0163 CSF >5,000 SF, General Building Investigation Using Infrared Thermography	1.07	
For Digital Or Analog Recording Of All Items, Add	0.54	
01 45 23 00-0164 Electrical /Mechanical Equipment Scanning Using Infrared Thermography <small>(01 45 23 00-0147)</small> Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0165 EA Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge.....	1,016.50	
01 45 23 00-0166 HR Electrical /Mechanical Equipment Scanning Using Infrared Thermography	70.33	
For Digital Or Analog Recording Of All Items, Add	10.23	
01 45 23 00-0167 Concrete Block Wall Investigation Using Infrared Thermography <small>(01 45 23 00-0147)</small> Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0168 EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	1,016.50	
01 45 23 00-0169 CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	3.21	
For Digital Or Analog Recording Of All Items, Add	0.48	
01 45 23 00-0170 CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	2.14	
For Digital Or Analog Recording Of All Items, Add	0.32	
01 45 23 00-0171 Other Nondestructive Field Testing Services <small>(01 45 23 00-0146)</small>		
01 45 23 00-0172 HR ASNT Certified Level I NDT Consultant.....	62.50	
01 45 23 00-0173 HR ASNT Certified Level II NDT Consultant.....	81.13	
01 45 23 00-0174 HR ASNT Certified Level III NDT Consultant.....	99.76	
01 45 23 00-0175 HR Certified Industrial Radiography Radiation Safety Personnel	56.49	
01 45 23 00-0176 Investigational Services <small>(01 45 23)</small> Note: Professional Engineering Services are to be used only as directed by the Owner. These services are used for investigational services and not for AE Design services.		
01 45 23 00-0177 Engineers <small>(01 45 23 00-0176)</small>		
01 45 23 00-0178 EA Professional Engineer Registered in the State of Florida	75.00	
Note: Professional Engineering Services are to be used only as directed by the Owner. These services are used for investigational services and not for AE design services. 2 hour minimum.		
01 45 23 00-0179 EA Staff Engineer.....	40.00	
Note: Professional Engineering Services are to be used only as directed by the Owner. These services are used for investigational services and not for AE design services. 2 hour minimum.		
01 45 23 00-0180 EA Engineering Technician	35.00	
Note: Professional Engineering Services are to be used only as directed by the Owner. These services are used for investigational services and not for AE design services. 4 hour minimum.		
01 45 23 00-0181 Inspectors <small>(01 45 23 00-0176)</small> Note: As directed by the Owner.		
01 45 23 00-0182 HR Special Inspector For Threshold Buildings, State Certified.....	75.00	
Note: 4 hour minimum.		

01 General Requirements**01 40 Quality Requirements****01 45 Quality Control**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 45 23 00-0183	EA	Special Inspector's Designated Representative.....	42.50
		Note: 4 hour minimum.	
01 45 23 00-0184	EA	Special Inspector Under The South Florida Building Code.....	65.00
		Note: 4 hour minimum.	

01 50 Temporary Facilities And Controls ⁽⁰¹⁾

Note: Tasks in this section shall be used as directed by owner.

01 51 Temporary Utilities ^(01 50)**01 51 13 Temporary Electricity** ^(01 51)**01 51 13 00-0001 Service Switch And/Or Building Feeder Switch** ^(01 51 13)

Note: Includes fuses.

01 51 13 00-0002	EA	Temporary 30 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	363.67	115.75
01 51 13 00-0003	EA	Temporary 60 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	439.88	153.53
01 51 13 00-0004	EA	Temporary 100 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	722.75	168.02
01 51 13 00-0005	EA	Temporary 200 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	1,067.58	261.47
01 51 13 00-0006	EA	Temporary 400 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	2,078.53	433.98
01 51 13 00-0007	EA	Temporary 600 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	3,775.16	578.67
01 51 13 00-0008	EA	Temporary 800 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	5,552.63	656.14
01 51 13 00-0009	EA	Temporary 1,200 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses.....	9,091.00	999.84
01 51 13 00-0010	EA	Temporary 2,000 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses.....	12,788.46	1,499.81

01 51 13 00-0011 Panelboard Complete With Branch Fuses 120/208V ^(01 51 13)

Note: Main lug.

01 51 13 00-0012	EA	Temporary 100 Amp Panelboard Complete With Up To 24 Branch Circuits, 120/208 Volt.....	876.44	113.61
01 51 13 00-0013	EA	Temporary 200 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt.....	1,091.50	208.34
01 51 13 00-0014	EA	Temporary 400 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt.....	1,743.54	312.46
01 51 13 00-0015	EA	Temporary 600 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt.....	2,275.10	520.79

01 51 13 00-0016 Cord Grip Plug ^(01 51 13)

Note: Includes installation, a maximum of 50' of cord and connection to source.

01 51 13 00-0017	EA	Temporary 2 - Pole Cord Grip Plug With Installation	84.38	31.28
01 51 13 00-0018	EA	Temporary 3 - Pole Cord Grip Plug With Installation	123.00	48.12
01 51 13 00-0019	EA	Temporary 4 - Pole Cord Grip Plug With Installation	157.58	62.47
01 51 13 00-0020	EA	Temporary 3 - Pole (30 A) Cord Grip Plug With Installation.....	119.53	48.12
01 51 13 00-0021	EA	Temporary 4 - Pole (30 A) Cord Grip Plug With Installation.....	152.05	62.47
01 51 13 00-0022	EA	Temporary 3 - Pole (50 A) Cord Grip Plug With Installation.....	134.89	48.12

01 51 26 Temporary Lighting ^(01 51)**01 51 26 00-0001 Temporary Devices** ^(01 51 26)

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light.....	99.91	23.33
01 51 26 00-0003	EA	Temporary Light Socket With Branch Wiring Connection And Lamp.....	11.44	4.85
01 51 26 00-0004	EA	Temporary 10 Light String With Cages	33.81	10.97
01 51 26 00-0005	EA	Temporary GFI Device With Enclosure And Branch Wiring.....	106.56	31.28
01 51 26 00-0006	EA	Temporary Trailer Socket With Branch Wiring.....	39.34	11.33
01 51 26 00-0007	EA	Temporary High Bay Light.....	122.62	45.94

01 52 Construction Facilities ^(01 50)

Note: Tasks in this section shall be used as directed by owner for owner's use.

01 52 13 Field Offices And Sheds ^(01 52)**01 52 13 00-0001 Field Offices** ^(01 52 13)

Note: Excludes furniture, utility connections and service. Minimum 6 months rental.

01 52 13 00-0002	MO	8' x 24' Office, With Toilet	157.28
		For Each Delivery And Removal, Round Trip, Add	387.22
		For Each Set-Up (Block And Level), Add	655.78
		For Each Anchoring Into Dirt, Add	96.27
		For Each Anchoring Into Asphalt Or Concrete, Add	144.41
		For Office Trailer Without Toilet, Deduct	-31.46
01 52 13 00-0003	MO	8' x 32' Office, With Toilet	178.24
		For Each Delivery And Removal, Round Trip, Add	387.22
		For Each Set-Up (Block And Level), Add	655.78
		For Each Anchoring Into Dirt, Add	96.27
		For Each Anchoring Into Asphalt Or Concrete, Add	144.41
		For Office Trailer Without Toilet, Deduct	-35.65
01 52 13 00-0004	MO	10' x 36' Office, With Toilet	241.16
		For Each Delivery And Removal, Round Trip, Add	641.97
		For Each Set-Up (Block And Level), Add	1,069.96
		For Each Anchoring Into Dirt, Add	96.27
		For Each Anchoring Into Asphalt Or Concrete, Add	144.41
		For Office Trailer Without Toilet, Deduct	-48.23
01 52 13 00-0005	MO	10' x 40' Office, With Toilet	256.89
		For Each Delivery And Removal, Round Trip, Add	641.97
		For Each Set-Up (Block And Level), Add	1,069.96
		For Each Anchoring Into Dirt, Add	96.27
		For Each Anchoring Into Asphalt Or Concrete, Add	144.41
		For Office Trailer Without Toilet, Deduct	-51.38



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 52 13 00-0006	MO		10' x 44' Office, With Toilet	283.10	
			For Each Delivery And Removal, Round Trip, Add	641.97	
			For Each Set-Up (Block And Level), Add	1,069.96	
			For Each Anchoring Into Dirt, Add	96.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	144.41	
01 52 13 00-0007	MO		10' x 50' Office, With Toilet	298.83	
			For Each Delivery And Removal, Round Trip, Add	641.97	
			For Each Set-Up (Block And Level), Add	1,069.96	
			For Each Anchoring Into Dirt, Add	96.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	144.41	
01 52 13 00-0008	MO		12' x 44' Office, With Toilet	319.43	
			For Each Delivery And Removal, Round Trip, Add	641.97	
			For Each Set-Up (Block And Level), Add	1,069.96	
			For Each Anchoring Into Dirt, Add	96.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	144.41	
01 52 13 00-0009	MO		12' x 50' Office, With Toilet	351.25	
			For Each Delivery And Removal, Round Trip, Add	641.97	
			For Each Set-Up (Block And Level), Add	1,069.96	
			For Each Anchoring Into Dirt, Add	96.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	144.41	
01 52 13 00-0010	MO		12' x 60' Office, With Toilet	382.71	
			For Each Delivery And Removal, Round Trip, Add	641.97	
			For Each Set-Up (Block And Level), Add	1,069.96	
			For Each Anchoring Into Dirt, Add	96.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	144.41	
01 52 13 00-0011	MO		24' x 60' Office, With Toilet	838.80	
			For Each Delivery And Removal, Round Trip, Add	1,222.80	
			For Each Set-Up (Block And Level), Add	1,725.75	
			For Each Anchoring Into Dirt, Add	96.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	144.41	
01 52 13 00-0012	MO		24' x 72' Office, With Toilet	1,006.56	
			For Each Delivery And Removal, Round Trip, Add	1,222.80	
			For Each Set-Up (Block And Level), Add	1,725.75	
			For Each Anchoring Into Dirt, Add	96.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	144.41	
01 52 13 00-0013	MO		30' x 30' Office, With Toilet	478.38	
			For Each Delivery And Removal, Round Trip, Add	1,222.80	
			For Each Set-Up (Block And Level), Add	1,725.75	
			For Each Anchoring Into Dirt, Add	96.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	144.41	

01 52 13 00-0014 Accessories For Field Office Trailers (01 52 13)
 Note: Costs includes installation or placement in trailer.

01 52 13 00-0015	MO		Desk For Field Office Trailer	31.33	
01 52 13 00-0016	MO		Rolling Desk Chair For Field Office Trailer	19.58	
01 52 13 00-0017	MO		File Cabinet For Field Office Trailer	23.50	
01 52 13 00-0018	MO		Table For Field Office Trailer	15.67	
01 52 13 00-0019	MO		Folding Chair For Field Office Trailer	7.42	
01 52 13 00-0020	EA		Phone Hook-Up For Field Office Trailer	86.16	
01 52 13 00-0021	MO		Local Phone Service Per Phone Line For Field Office Trailer	54.83	
01 52 13 00-0022	MO		Security System With Monitoring For Field Office Trailer	85.60	
01 52 13 00-0023	LF		Perimeter Trailer Skirting For Field Office Trailer	28.29	
01 52 13 00-0024	LF		Insulated Perimeter Trailer Skirting For Field Office Trailer	51.44	
01 52 13 00-0025	MO		Steps For Field Office Trailer	25.00	
01 52 13 00-0026	MO		Fax Machine For Field Office Trailer	39.16	
01 52 13 00-0027	MO		Copier For Field Office Trailer	62.66	

01 52 13 00-0028 Storage Containers (01 52 13)

01 52 13 00-0029	MO		8' x 8' x 10' Storage Container	96.91	
			For Delivery And Pick-up Of Container, Add	299.58	
			For >12 Months, Deduct	-29.07	
01 52 13 00-0030	MO		8' x 8' x 20' Storage Container	101.32	
			For Delivery And Pick-up Of Container, Add	299.58	
			For >12 Months, Deduct	-30.40	
01 52 13 00-0031	MO		8' x 8' x 40' Storage Container	119.82	
			For Delivery And Pick-up Of Container, Add	299.58	
			For >12 Months, Deduct	-35.95	

01 52 19 Sanitary Facilities (01 52)

01 52 19 00-0001 Portable Toilets (01 52 19)

Note: Includes delivery, set-up, servicing once per week and removal.					
01 52 19 00-0002	WK		Portable Toilets, Chemical	22.74	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0003	MO		Portable Toilets, Chemical	90.95	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0004	WK		ADA Portable Toilets, Chemical	36.16	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0005	MO		ADA Portable Toilets, Chemical	106.11	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0006	WK		Two Station Portable Handwash	30.02	
01 52 19 00-0007	MO		Two Station Portable Handwash	91.06	

01 54 Construction Aids (01 50)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 54 23 Temporary Scaffolding And Platforms (01 54)

01 54 23 00-0001	Scaffolding (01 54 23) Note: Additional scaffolding rental for work above the normal working height of 14'. See CSI section 04 05 26 00-0000 for masonry scaffolding.	
01 54 23 00-0002	Scaffolding Rental - Rental Only (01 54 23 00-0001) Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.	
01 54 23 00-0003	CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide x 7' Long Sections (CCF / Month).....	22.30
	For Up To 25, Add	8.92
	For >25 To 50, Add	5.58
	For >50 To 150, Add	2.23
01 54 23 00-0004	CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide x 7' Long Sections (CCF / Month).....	25.08
	For Up To 25, Add	10.03
	For >25 To 50, Add	6.27
	For >50 To 150, Add	2.51
01 54 23 00-0005	CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide x 7' Long Sections (CCF / Month).....	33.45
	For Up To 25, Add	13.38
	For >25 To 50, Add	8.36
	For >50 To 150, Add	3.35

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001)

Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

01 54 23 00-0007	CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	17.32
01 54 23 00-0008	CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	21.67
01 54 23 00-0009	CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	26.00
01 54 23 00-0010	CCF >60' To 80' Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	28.60
01 54 23 00-0011	CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	32.93

01 54 23 00-0012 Rolling Scaffolding (01 54 23)

Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.

01 54 23 00-0013	DAY Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	10.86
01 54 23 00-0014	WK Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	43.54
01 54 23 00-0015	MO Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	174.13
01 54 23 00-0016	DAY Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	18.19
01 54 23 00-0017	WK Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	72.85
01 54 23 00-0018	MO Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	291.42
01 54 23 00-0019	EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >14' To 20'	32.52
01 54 23 00-0020	EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >20' To 40'	40.65

01 54 26 Temporary Swing Staging (01 54)

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.

01 54 26 00-0001	Swing Stage (01 54 26) Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.	
01 54 26 00-0002	MO 7' Swing Stage, Electric Operated	1,646.93
01 54 26 00-0003	MO 24' Swing Stage, Manually Operated	593.64
01 54 26 00-0004	EA Swing Stage Erection And Dismantling.....	178.16
	Note: Includes both erection and dismantling of swing stage.	
01 54 26 00-0005	EA Move Swing Stage To Different Roof At Same Site.....	71.06
01 54 26 00-0006	EA Move Swing Stage To Different Location At Same Roof.....	32.80
01 54 26 00-0007	EA Swing Stage Erection And Dismantling. Cost Includes Both Erection And Dismantling Of Swing Stage For Use On Bridges Up To 45' Above Water	363.19
01 54 26 00-0008	EA Swing Stage Erection And Dismantling. Cost Includes Both Erection And Dismantling Of Swing Stage For Use On Bridges >45' To 90' Above Water	387.95
01 54 26 00-0009	EA Swing Stage Erection And Dismantling. Cost Includes Both Erection And Dismantling Of Swing Stage For Use On Bridges >90' Above Water	412.72
01 54 26 00-0010	EA Move Swing Stage To Different Section Under Bridge	91.12

01 54 29 Temporary Sidewalk Protection (01 54)

01 54 29 00-0001	Sidewalk Bridge (01 54 29)	
01 54 29 00-0002	Installation of Sidewalk Bridge (01 54 29 00-0001)	
01 54 29 00-0003	LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	29.46
	Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	
	For 3 Post System, Add	6.00
	For Each Additional Foot Over 8' Wide, Add	3.00
	For Each Additional Foot Over 8' High, Add	2.00
01 54 29 00-0004	LF Installation of Netting for Sidewalk Bridge.....	1.42
01 54 29 00-0005	Monthly Rental of Sidewalk Bridge (01 54 29 00-0001)	
01 54 29 00-0006	LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	5.87
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
	For 3 Post System, Add	0.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 29 00-0007 LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	6.61	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	0.99	
01 54 29 00-0008 LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	7.34	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.10	
01 54 29 00-0009 LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	7.34	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.10	
01 54 29 00-0010 LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	8.07	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.21	
01 54 29 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	9.54	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.43	
01 54 29 00-0012 LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	8.81	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.32	
01 54 29 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	10.27	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.54	
01 54 29 00-0014 LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	11.01	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.65	
01 54 29 00-0015 LF Monthly Rental of Netting for Sidewalk Bridge.....	1.10	
01 54 29 00-0016 Removal of Sidewalk Bridge (01 54 29 00-0001)		
01 54 29 00-0017 LF Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	11.54	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
For 3 Post System, Add	2.50	
For Each Additional Foot Over 8' Wide, Add	1.25	
For Each Additional Foot Over 8' High, Add	0.75	
01 54 29 00-0018 LF Removal of Netting for Sidewalk Bridge.....	0.71	
01 55 Vehicular Access And Parking (01 50)		
01 55 26 Traffic Control (01 55)		
01 55 26 00-0001 Removable Preformed Traffic Black Line Mask (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask.....	3.49	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask.....	4.48	
01 55 26 00-0004 Temporary Preformed Traffic Line Tape (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape.....	2.44	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape.....	3.44	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape.....	4.42	
01 55 26 00-0008 Temporary Painted Traffic Lines (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines.....	1.61	
For Not Removed, Deduct	-1.32	
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines.....	2.15	
For Not Removed, Deduct	-1.78	
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines.....	2.70	
For Not Removed, Deduct	-2.27	
01 55 26 00-0012 LF 6" Temporary Painted Traffic Lines.....	0.36	
01 55 26 00-0013 LF 8" Temporary Painted Traffic Lines.....	0.39	
01 55 26 00-0014 SF Temporary Painted Traffic Lines.....	0.46	
01 55 26 00-0015 Pedestrian Traffic Control (01 55 26)		
01 55 26 00-0016 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange.....	7.96	
01 55 26 00-0017 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange.....	11.54	
01 55 26 00-0018 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	4.60	
01 55 26 00-0019 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	6.17	
01 55 26 00-0020 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	7.49	
01 55 26 00-0021 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	12.16	
01 55 26 00-0022 CLF 1" Exterior Vinyl Tape (Warning Tape).....	10.83	
01 55 26 00-0023 CLF 2" Exterior Vinyl Tape (Warning Tape).....	17.00	
01 55 26 00-0024 CLF 3" Exterior Vinyl Tape (Warning Tape).....	23.54	
01 55 26 00-0025 CLF 4" Exterior Vinyl Tape (Warning Tape).....	27.67	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0026			Traffic Protection (01 55 26)		
01 55 26 00-0027			Portable Traffic Control Device Usage (01 55 26 00-0026)		
			Note: Excludes placing and removing devices.		
01 55 26 00-0028	DAY		28" Cone With Reflective Collar.....	0.47	
01 55 26 00-0029	WK		28" Cone With Reflective Collar.....	1.42	
01 55 26 00-0030	MO		28" Cone With Reflective Collar.....	4.25	
01 55 26 00-0031	DAY		Vertical Panel.....	1.43	
01 55 26 00-0032	WK		Vertical Panel.....	4.28	
01 55 26 00-0033	MO		Vertical Panel.....	12.84	
01 55 26 00-0034	DAY		Channelizer Drum.....	1.55	
01 55 26 00-0035	WK		Channelizer Drum.....	4.65	
01 55 26 00-0036	MO		Channelizer Drum.....	13.94	
01 55 26 00-0037	DAY		Stackable Channelizer Panel.....	0.73	
01 55 26 00-0038	WK		Stackable Channelizer Panel.....	2.20	
01 55 26 00-0039	MO		Stackable Channelizer Panel.....	6.59	
01 55 26 00-0040	DAY		Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	1.01	
01 55 26 00-0041	WK		Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	3.04	
01 55 26 00-0042	MO		Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	9.13	
01 55 26 00-0043	DAY		Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	2.25	
01 55 26 00-0044	WK		Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	6.74	
01 55 26 00-0045	MO		Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	20.23	
01 55 26 00-0046	DAY		Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	2.56	
01 55 26 00-0047	WK		Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	7.69	
01 55 26 00-0048	MO		Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	23.06	
01 55 26 00-0049	DAY		Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	4.69	
01 55 26 00-0050	WK		Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	14.06	
01 55 26 00-0051	MO		Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	42.17	
01 55 26 00-0052	DAY		Up To 10' Wide A Frame Barricade.....	2.57	
01 55 26 00-0053	WK		Up To 10' Wide A Frame Barricade.....	7.71	
01 55 26 00-0054	MO		Up To 10' Wide A Frame Barricade.....	23.13	
01 55 26 00-0055	DAY		Type A Or C Flasher.....	0.52	
01 55 26 00-0056	WK		Type A Or C Flasher.....	1.57	
01 55 26 00-0057	MO		Type A Or C Flasher.....	4.71	
01 55 26 00-0058	DAY		Type B Flasher (High Intensity).....	2.84	
01 55 26 00-0059	WK		Type B Flasher (High Intensity).....	8.52	
01 55 26 00-0060	MO		Type B Flasher (High Intensity).....	25.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0061			Traffic Barriers Usage (01 55 26 00-0026)		
			Note: Excludes placing and removing devices.		
01 55 26 00-0062	DAY		6' Long Portable Parking Curbs.....	1.22	
01 55 26 00-0063	WK		6' Long Portable Parking Curbs.....	3.67	
01 55 26 00-0064	MO		6' Long Portable Parking Curbs.....	11.02	
01 55 26 00-0065	DAY		6' Long Portable Speed Bumps.....	3.62	
01 55 26 00-0066	WK		6' Long Portable Speed Bumps.....	10.87	
01 55 26 00-0067	MO		6' Long Portable Speed Bumps.....	32.60	
01 55 26 00-0068	DAY		Up To 12.5' Concrete Traffic Barrier.....	8.70	
01 55 26 00-0069	WK		Up To 12.5' Concrete Traffic Barrier.....	26.10	
01 55 26 00-0070	MO		Up To 12.5' Concrete Traffic Barrier.....	78.31	
01 55 26 00-0071	DAY		>12.5' To 20' Concrete Traffic Barrier.....	17.40	
01 55 26 00-0072	WK		>12.5' To 20' Concrete Traffic Barrier.....	52.21	
01 55 26 00-0073	MO		>12.5' To 20' Concrete Traffic Barrier.....	156.62	
01 55 26 00-0074	DAY		6' x 32" Tall Plastic Water Barrier.....	10.39	
01 55 26 00-0075	WK		6' x 32" Tall Plastic Water Barrier.....	31.17	
01 55 26 00-0076	MO		6' x 32" Tall Plastic Water Barrier.....	93.52	
01 55 26 00-0077	DAY		6' x 46" Tall Plastic Water Barrier.....	14.84	
01 55 26 00-0078	WK		6' x 46" Tall Plastic Water Barrier.....	44.51	
01 55 26 00-0079	MO		6' x 46" Tall Plastic Water Barrier.....	133.53	
01 55 26 00-0080	DAY		Sand Filled Crash Attenuator Barrels.....	5.81	
01 55 26 00-0081	WK		Sand Filled Crash Attenuator Barrels.....	17.42	
01 55 26 00-0082	MO		Sand Filled Crash Attenuator Barrels.....	52.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0083			Portable Signs And Message Displays Usage (01 55 26 00-0026)		
			Note: Excludes placing and removing devices.		
01 55 26 00-0084	DAY		Mesh Or Vinyl Roll-up Sign With Stand.....	4.56	
01 55 26 00-0085	WK		Mesh Or Vinyl Roll-up Sign With Stand.....	13.68	
01 55 26 00-0086	MO		Mesh Or Vinyl Roll-up Sign With Stand.....	41.04	
01 55 26 00-0087	DAY		Aluminum Sign And Post.....	2.55	
01 55 26 00-0088	WK		Aluminum Sign And Post.....	7.66	
01 55 26 00-0089	MO		Aluminum Sign And Post.....	22.97	
01 55 26 00-0090	DAY		Aluminum Sign And A Frame Stand.....	3.45	
01 55 26 00-0091	WK		Aluminum Sign And A Frame Stand.....	10.34	
01 55 26 00-0092	MO		Aluminum Sign And A Frame Stand.....	31.03	
01 55 26 00-0093	DAY		Trailer Mounted Flashing Arrow Board.....	26.74	
01 55 26 00-0094	WK		Trailer Mounted Flashing Arrow Board.....	80.23	
01 55 26 00-0095	MO		Trailer Mounted Flashing Arrow Board.....	240.68	
01 55 26 00-0096	DAY		Trailer Mounted Portable Variable Message Sign (PVMS).....	106.98	
01 55 26 00-0097	WK		Trailer Mounted Portable Variable Message Sign (PVMS).....	320.94	
01 55 26 00-0098	MO		Trailer Mounted Portable Variable Message Sign (PVMS).....	962.82	
01 55 26 00-0099	DAY		Two Head, Trailer Mounted Traffic Signal (Set Of Two).....	776.37	
			Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0100	WK		Two Head, Trailer Mounted Traffic Signal (Set Of Two)2,329.11 Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0101	MO		Two Head, Trailer Mounted Traffic Signal (Set Of Two) .....6,987.33 Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		

01 55 26 00-0102 Place And Remove Traffic Protection Using Truck (01 55 26 00-0026)
Note: Includes delivery and return up to 15 miles.

01 55 26 00-0103	EA		Place And Remove Up To 250 Cones Using Truck.....1.65		
01 55 26 00-0104	EA		Place And Remove >250 Cones Using Truck.....1.32		
01 55 26 00-0105	EA		Place And Remove Up To 250 Panels/Channelizers Using Truck.....2.21		
01 55 26 00-0106	EA		Place And Remove >250 Panels/Channelizers Using Truck.....1.77		
01 55 26 00-0107	EA		Place And Remove Up To 250 Barricades Using Truck .....3.31		
01 55 26 00-0108	EA		Place And Remove >250 Barricades Using Truck.....2.65		
01 55 26 00-0109	EA		Place And Remove Curbs/Speed Bumps Using Truck.....3.31		
01 55 26 00-0110	EA		Place And Remove Portable Sign And Stand Using Truck.....1.99		
01 55 26 00-0111	EA		Place And Remove Aluminum Sign And Post Using Truck .....8.27		
01 55 26 00-0112	EA		Place And Remove Trailer Mounted Boards And Signals Using Truck.....24.81		
01 55 26 00-0113	EA		Place And Remove Up To 12.5' Concrete Traffic Barrier.....34.43 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	86.08	
			For 2 Barriers, Add	30.99	
			For 3 Barriers, Add	10.33	
01 55 26 00-0114	EA		Place And Remove >12.5' Concrete Traffic Barrier .....51.64 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	129.10	
			For 2 Barriers, Add	46.48	
			For 3 Barriers, Add	15.49	
01 55 26 00-0115	EA		Place And Remove Plastic Water Barrier .....18.88 Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	43.05	
			For 2 Barriers, Add	15.50	
			For 3 Barriers, Add	5.17	
01 55 26 00-0116	EA		Place And Remove Crash Attenuator Barrels.....25.82 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	64.55	
			For 2 Barriers, Add	23.24	
			For 3 Barriers, Add	7.75	

01 55 26 00-0117 Place And Remove Traffic Protection From Roadside (Daily) (01 55 26 00-0026)

01 55 26 00-0118	EA		Place And Remove Up To 250 Cones By Hand From Roadside .....0.82		
01 55 26 00-0119	EA		Place And Remove >250 Cones By Hand From Roadside.....0.66		
01 55 26 00-0120	EA		Place And Remove Up To 250 Panels/Channelizers By Hand From Roadside.....1.10		
01 55 26 00-0121	EA		Place And Remove >250 Panels/Channelizers By Hand From Roadside .....0.88		
01 55 26 00-0122	EA		Place And Remove Up To 250 Barricades By Hand From Roadside .....1.65		
01 55 26 00-0123	EA		Place And Remove >250 Barricades By Hand From Roadside.....1.32		
01 55 26 00-0124	EA		Place And Remove Portable Sign And Stand From Roadside.....0.89		
01 55 26 00-0125	EA		Place And Remove Trailer Mounted Boards And Signals From Roadside .....12.41		
01 55 26 00-0126	EA		Roadside Relocation Of Concrete Traffic Barrier .....17.22 Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		

01 56 Temporary Barriers And Enclosures (01 50)

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers (01 56)

01 56 16 00-0001			Temporary Stud Wall (01 56 16)		
01 56 16 00-0002			Temporary Stud Wall With Drywall (01 56 16 00-0001) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0003			Temporary Stud Wall With Drywall (01 56 16 00-0002)		
01 56 16 00-0004	SF		3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....2.70 For Metal Studs 24" On Center, Add/Deduct	-0.04	
01 56 16 00-0005	SF		1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....2.70 For Metal Studs 24" On Center, Add/Deduct	-0.04	
01 56 16 00-0006	SF		5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center .....2.77 For Metal Studs 24" On Center, Add/Deduct	-0.04	
01 56 16 00-0007	SF		3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center .....3.70 For Metal Studs 24" On Center, Add/Deduct	-0.01	
01 56 16 00-0008	SF		1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....3.70 For Metal Studs 24" On Center, Add/Deduct	-0.01	
01 56 16 00-0009	SF		5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....3.84 For Metal Studs 24" On Center, Add/Deduct	-0.01	

01 56 16 00-0010 Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0002)

01 General Requirements
01 50 Temporary Facilities And Controls
01 56 Temporary Barriers And Enclosures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 56 16 00-0011	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	2.78	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.04	
01 56 16 00-0012	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	2.81	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.04	
01 56 16 00-0013	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	2.77	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.04	
01 56 16 00-0014	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	3.33	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.04	
01 56 16 00-0015	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	3.86	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.01	
01 56 16 00-0016	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	3.91	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.01	
01 56 16 00-0017	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	3.83	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.01	
01 56 16 00-0018	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.96	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.01	
01 56 16 00-0019		Temporary Stud Wall With Oriented Strand Board (OSB) <small>(01 56 16 00-0001)</small>		
		Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0020	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	2.70	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.04	
01 56 16 00-0021	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	2.74	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.04	
01 56 16 00-0022	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	2.87	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.04	
01 56 16 00-0023	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	2.94	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.04	
01 56 16 00-0024	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	3.69	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.01	
01 56 16 00-0025	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	3.78	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.01	
01 56 16 00-0026	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.04	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.01	
01 56 16 00-0027	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.18	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.01	
01 56 16 00-0028		Temporary Stud Wall With BC Plywood <small>(01 56 16 00-0001)</small>		
		Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0029	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	3.00	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.04	
01 56 16 00-0030	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	3.17	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.04	
01 56 16 00-0031	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	3.29	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.04	
01 56 16 00-0032	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	3.42	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.04	
01 56 16 00-0033	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.30	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.01	
01 56 16 00-0034	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.63	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.01	
01 56 16 00-0035	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	4.87	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.01	
01 56 16 00-0036	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	5.13	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	-0.01	
01 56 16 00-0037		Temporary Stud Wall With Plastic Sheeting <small>(01 56 16 00-0001)</small>		
		Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use. Excludes paint.		
01 56 16 00-0038	SF	6 Mil Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	1.65	
01 56 16 00-0039		Temporary Doors <small>(01 56 16 00-0001)</small>		
		Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0040	EA	Temporary Metal Door And Frame	229.88	
		Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.		
01 56 16 00-0041		Temporary Floor Protection <small>(01 56 16)</small>		
01 56 16 00-0042	SF	Masonite For Temporary Floor Protection	0.72	
01 56 16 00-0043	SF	1/2" Plywood For Temporary Floor Protection	0.80	
01 56 16 00-0044	SF	3/4" Plywood For Temporary Floor Protection	1.02	
01 56 26		Temporary Fencing <small>(01 56)</small>		
01 56 26 00-0001		Temporary Fencing <small>(01 56 26)</small>		
		Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0002		Temporary Chain Link Fence <small>(01 56 26 00-0001)</small>		
		Note: Includes set-up and removal. Excludes auguring/drilling for posts.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 26 00-0003 Temporary Chain Link Fence, Up To 6 Months (01 56 26 00-0002)					
01 56 26 00-0004	LF		Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....	3.38	
			For >100 To 250, Deduct	-0.17	
			For >250 To 500, Deduct	-0.34	
			For >500, Deduct	-0.51	
			For Shade Cloth, Add	1.60	
01 56 26 00-0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	3.81	
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.38	
			For >500, Deduct	-0.57	
			For Shade Cloth, Add	2.55	
01 56 26 00-0006	LF		Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	6.43	
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.64	
			For >500, Deduct	-0.96	
			For Shade Cloth, Add	3.60	
01 56 26 00-0007	LF		Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	19.13	
			For >100 To 250, Deduct	-0.96	
			For >250 To 500, Deduct	-1.91	
			For >500, Deduct	-2.87	
			For Shade Cloth, Add	4.75	

01 56 26 00-0008 Temporary Chain Link Fence, >6 To 12 Months (01 56 26 00-0002)					
01 56 26 00-0009	LF		Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	3.72	
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.37	
			For >500, Deduct	-0.56	
			For Shade Cloth, Add	1.60	
01 56 26 00-0010	LF		Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	4.18	
			For >100 To 250, Deduct	-0.21	
			For >250 To 500, Deduct	-0.42	
			For >500, Deduct	-0.63	
			For Shade Cloth, Add	2.55	
01 56 26 00-0011	LF		Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	7.07	
			For >100 To 250, Deduct	-0.35	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-1.06	
			For Shade Cloth, Add	3.60	
01 56 26 00-0012	LF		Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	21.03	
			For >100 To 250, Deduct	-1.05	
			For >250 To 500, Deduct	-2.10	
			For >500, Deduct	-3.15	
			For Shade Cloth, Add	4.75	

01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months (01 56 26 00-0002)					
01 56 26 00-0014	LF		Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	4.10	
			For >100 To 250, Deduct	-0.21	
			For >250 To 500, Deduct	-0.41	
			For >500, Deduct	-0.62	
			For Shade Cloth, Add	1.60	
01 56 26 00-0015	LF		Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	4.62	
			For >100 To 250, Deduct	-0.23	
			For >250 To 500, Deduct	-0.46	
			For >500, Deduct	-0.69	
			For Shade Cloth, Add	2.55	
01 56 26 00-0016	LF		Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	7.79	
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.78	
			For >500, Deduct	-1.17	
			For Shade Cloth, Add	3.60	
01 56 26 00-0017	LF		Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	23.14	
			For >100 To 250, Deduct	-1.16	
			For >250 To 500, Deduct	-2.31	
			For >500, Deduct	-3.47	
			For Shade Cloth, Add	4.75	

01 56 26 00-0018 Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)					
01 56 26 00-0019	LF		Temporary 4' High Chain Link Fence And Posts, >18 Months.....	4.50	
			For >100 To 250, Deduct	-0.23	
			For >250 To 500, Deduct	-0.45	
			For >500, Deduct	-0.68	
			For Shade Cloth, Add	1.60	
01 56 26 00-0020	LF		Temporary 6' High Chain Link Fence And Posts, >18 Months.....	5.05	
			For >100 To 250, Deduct	-0.25	
			For >250 To 500, Deduct	-0.51	
			For >500, Deduct	-0.76	
			For Shade Cloth, Add	2.55	
01 56 26 00-0021	LF		Temporary 8' High Chain Link Fence And Posts, >18 Months.....	8.55	
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.86	
			For >500, Deduct	-1.28	
			For Shade Cloth, Add	3.60	

01 General Requirements**01 50 Temporary Facilities And Controls****01 56 Temporary Barriers And Enclosures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months.....	25.45
		<i>For >100 To 250, Deduct</i>	-1.27
		<i>For >250 To 500, Deduct</i>	-2.55
		<i>For >500, Deduct</i>	-3.82
		<i>For Shade Cloth, Add</i>	4.75
01 56 26 00-0023		Temporary Chain Link Fence Gates (01 56 26 00-0001)	
		Note: Includes set-up and removal. Excludes auguring/drilling for posts.	
01 56 26 00-0024		Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)	
01 56 26 00-0025		4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)	
01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	215.05
		<i>For Shade Cloth, Add</i>	16.06
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	334.52
		<i>For Shade Cloth, Add</i>	40.14
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	382.31
		<i>For Shade Cloth, Add</i>	48.17
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	430.09
		<i>For Shade Cloth, Add</i>	60.21
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	525.66
		<i>For Shade Cloth, Add</i>	80.28
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	573.47
		<i>For Shade Cloth, Add</i>	96.34
01 56 26 00-0032		6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)	
01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	224.83
		<i>For Shade Cloth, Add</i>	25.59
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	349.72
		<i>For Shade Cloth, Add</i>	63.98
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	399.67
		<i>For Shade Cloth, Add</i>	76.77
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	449.66
		<i>For Shade Cloth, Add</i>	95.97
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	549.57
		<i>For Shade Cloth, Add</i>	127.95
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	599.52
		<i>For Shade Cloth, Add</i>	153.54
01 56 26 00-0039		8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)	
01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	247.31
		<i>For Shade Cloth, Add</i>	36.13
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	384.70
		<i>For Shade Cloth, Add</i>	90.32
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	439.65
		<i>For Shade Cloth, Add</i>	108.38
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	494.61
		<i>For Shade Cloth, Add</i>	135.48
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	604.53
		<i>For Shade Cloth, Add</i>	180.64
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	659.48
		<i>For Shade Cloth, Add</i>	216.77
01 56 26 00-0046		10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)	
01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	309.13
		<i>For Shade Cloth, Add</i>	47.67
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	480.87
		<i>For Shade Cloth, Add</i>	119.17
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	549.57
		<i>For Shade Cloth, Add</i>	143.01
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	618.26
		<i>For Shade Cloth, Add</i>	178.76
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	755.66
		<i>For Shade Cloth, Add</i>	238.35
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	824.35
		<i>For Shade Cloth, Add</i>	286.01
01 56 26 00-0053		Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)	
01 56 26 00-0054		4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)	
01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	225.80
		<i>For Shade Cloth, Add</i>	16.06
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	351.25
		<i>For Shade Cloth, Add</i>	40.14
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	401.42
		<i>For Shade Cloth, Add</i>	48.17
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	451.60
		<i>For Shade Cloth, Add</i>	60.21
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	551.95
		<i>For Shade Cloth, Add</i>	80.28
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	602.15
		<i>For Shade Cloth, Add</i>	96.34



General Requirements		01
Temporary Facilities And Controls		01 50
Temporary Barriers And Enclosures		01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 26 00-0061	6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)	
01 56 26 00-0062	EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	236.07
	<i>For Shade Cloth, Add</i>	25.59
01 56 26 00-0063	EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	367.20
	<i>For Shade Cloth, Add</i>	63.98
01 56 26 00-0064	EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	419.66
	<i>For Shade Cloth, Add</i>	76.77
01 56 26 00-0065	EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	472.14
	<i>For Shade Cloth, Add</i>	95.97
01 56 26 00-0066	EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	577.05
	<i>For Shade Cloth, Add</i>	127.95
01 56 26 00-0067	EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	629.50
	<i>For Shade Cloth, Add</i>	153.54

01 56 26 00-0068	8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)	
01 56 26 00-0069	EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	259.67
	<i>For Shade Cloth, Add</i>	36.13
01 56 26 00-0070	EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	403.93
	<i>For Shade Cloth, Add</i>	90.32
01 56 26 00-0071	EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	461.64
	<i>For Shade Cloth, Add</i>	108.38
01 56 26 00-0072	EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	519.34
	<i>For Shade Cloth, Add</i>	135.48
01 56 26 00-0073	EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	634.75
	<i>For Shade Cloth, Add</i>	180.64
01 56 26 00-0074	EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	692.46
	<i>For Shade Cloth, Add</i>	216.77

01 56 26 00-0075	10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)	
01 56 26 00-0076	EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	324.59
	<i>For Shade Cloth, Add</i>	47.67
01 56 26 00-0077	EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	504.92
	<i>For Shade Cloth, Add</i>	119.17
01 56 26 00-0078	EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	577.05
	<i>For Shade Cloth, Add</i>	143.01
01 56 26 00-0079	EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	649.18
	<i>For Shade Cloth, Add</i>	178.76
01 56 26 00-0080	EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	793.44
	<i>For Shade Cloth, Add</i>	238.35
01 56 26 00-0081	EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	865.57
	<i>For Shade Cloth, Add</i>	286.01

01 56 26 00-0082	Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)	
01 56 26 00-0083	4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)	
01 56 26 00-0084	EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	237.09
	<i>For Shade Cloth, Add</i>	16.06
01 56 26 00-0085	EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	368.81
	<i>For Shade Cloth, Add</i>	40.14
01 56 26 00-0086	EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	421.49
	<i>For Shade Cloth, Add</i>	48.17
01 56 26 00-0087	EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	474.18
	<i>For Shade Cloth, Add</i>	60.21
01 56 26 00-0088	EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	579.54
	<i>For Shade Cloth, Add</i>	80.28
01 56 26 00-0089	EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	632.26
	<i>For Shade Cloth, Add</i>	96.34

01 56 26 00-0090	6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)	
01 56 26 00-0091	EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	247.87
	<i>For Shade Cloth, Add</i>	25.59
01 56 26 00-0092	EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	385.56
	<i>For Shade Cloth, Add</i>	63.98
01 56 26 00-0093	EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	440.64
	<i>For Shade Cloth, Add</i>	76.77
01 56 26 00-0094	EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	495.75
	<i>For Shade Cloth, Add</i>	95.97
01 56 26 00-0095	EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	605.90
	<i>For Shade Cloth, Add</i>	127.95
01 56 26 00-0096	EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	660.98
	<i>For Shade Cloth, Add</i>	153.54

01 56 26 00-0097	8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)	
01 56 26 00-0098	EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	272.65
	<i>For Shade Cloth, Add</i>	36.13
01 56 26 00-0099	EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	424.13
	<i>For Shade Cloth, Add</i>	90.32
01 56 26 00-0100	EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	484.72
	<i>For Shade Cloth, Add</i>	108.38

01	General Requirements
01 50	Temporary Facilities And Controls
01 56	Temporary Barriers And Enclosures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 26 00-0101	EA	15'	Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	545.31	
			<i>For Shade Cloth, Add</i>	135.48	
01 56 26 00-0102	EA	20'	Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	666.49	
			<i>For Shade Cloth, Add</i>	180.64	
01 56 26 00-0103	EA	24'	Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	727.08	
			<i>For Shade Cloth, Add</i>	216.77	
01 56 26 00-0104			10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105	EA	4'	Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	340.82	
			<i>For Shade Cloth, Add</i>	47.67	
01 56 26 00-0106	EA	10'	Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	530.16	
			<i>For Shade Cloth, Add</i>	119.17	
01 56 26 00-0107	EA	12'	Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	605.90	
			<i>For Shade Cloth, Add</i>	143.01	
01 56 26 00-0108	EA	15'	Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	681.64	
			<i>For Shade Cloth, Add</i>	178.76	
01 56 26 00-0109	EA	20'	Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	833.11	
			<i>For Shade Cloth, Add</i>	238.35	
01 56 26 00-0110	EA	24'	Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	908.85	
			<i>For Shade Cloth, Add</i>	286.01	
01 56 26 00-0111			Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112			4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113	EA	4'	Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	248.38	
			<i>For Shade Cloth, Add</i>	16.06	
01 56 26 00-0114	EA	10'	Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	386.37	
			<i>For Shade Cloth, Add</i>	40.14	
01 56 26 00-0115	EA	12'	Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	441.56	
			<i>For Shade Cloth, Add</i>	48.17	
01 56 26 00-0116	EA	15'	Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	496.76	
			<i>For Shade Cloth, Add</i>	60.21	
01 56 26 00-0117	EA	20'	Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	607.14	
			<i>For Shade Cloth, Add</i>	80.28	
01 56 26 00-0118	EA	24'	Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	662.36	
			<i>For Shade Cloth, Add</i>	96.34	
01 56 26 00-0119			6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0120	EA	4'	Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	259.68	
			<i>For Shade Cloth, Add</i>	25.59	
01 56 26 00-0121	EA	10'	Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	403.92	
			<i>For Shade Cloth, Add</i>	63.98	
01 56 26 00-0122	EA	12'	Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	461.62	
			<i>For Shade Cloth, Add</i>	76.77	
01 56 26 00-0123	EA	15'	Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	519.35	
			<i>For Shade Cloth, Add</i>	95.97	
01 56 26 00-0124	EA	20'	Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	634.75	
			<i>For Shade Cloth, Add</i>	127.95	
01 56 26 00-0125	EA	24'	Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	692.45	
			<i>For Shade Cloth, Add</i>	153.54	
01 56 26 00-0126			8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0127	EA	4'	Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	285.64	
			<i>For Shade Cloth, Add</i>	36.13	
01 56 26 00-0128	EA	10'	Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	444.33	
			<i>For Shade Cloth, Add</i>	90.32	
01 56 26 00-0129	EA	12'	Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	507.80	
			<i>For Shade Cloth, Add</i>	108.38	
01 56 26 00-0130	EA	15'	Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	571.28	
			<i>For Shade Cloth, Add</i>	135.48	
01 56 26 00-0131	EA	20'	Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	698.23	
			<i>For Shade Cloth, Add</i>	180.64	
01 56 26 00-0132	EA	24'	Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	761.70	
			<i>For Shade Cloth, Add</i>	216.77	
01 56 26 00-0133			10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0134	EA	4'	Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	357.05	
			<i>For Shade Cloth, Add</i>	47.67	
01 56 26 00-0135	EA	10'	Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	555.41	
			<i>For Shade Cloth, Add</i>	119.17	
01 56 26 00-0136	EA	12'	Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	634.75	
			<i>For Shade Cloth, Add</i>	143.01	
01 56 26 00-0137	EA	15'	Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	714.10	
			<i>For Shade Cloth, Add</i>	178.76	
01 56 26 00-0138	EA	20'	Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	872.78	
			<i>For Shade Cloth, Add</i>	238.35	
01 56 26 00-0139	EA	24'	Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	952.13	
			<i>For Shade Cloth, Add</i>	286.01	
01 56 26 00-0140			Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)		
			Note: Includes set-up and removal. Excludes sandbags.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0142 LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	4.04	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.40	
For >500, Deduct	-0.61	
For Shade Cloth, Add	1.60	
01 56 26 00-0143 LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	4.53	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.45	
For >500, Deduct	-0.68	
For Shade Cloth, Add	2.55	
01 56 26 00-0144 LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	7.30	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-1.10	
For Shade Cloth, Add	3.60	
01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	4.39	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.66	
For Shade Cloth, Add	1.60	
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	4.90	
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.49	
For >500, Deduct	-0.74	
For Shade Cloth, Add	2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	7.93	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.79	
For >500, Deduct	-1.19	
For Shade Cloth, Add	3.60	
01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0150 LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	4.73	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.47	
For >500, Deduct	-0.71	
For Shade Cloth, Add	1.60	
01 56 26 00-0151 LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	5.34	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.53	
For >500, Deduct	-0.80	
For Shade Cloth, Add	2.55	
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	8.66	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.87	
For >500, Deduct	-1.30	
For Shade Cloth, Add	3.60	
01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months.....	5.16	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.77	
For Shade Cloth, Add	1.60	
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months.....	5.77	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.87	
For Shade Cloth, Add	2.55	
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months.....	9.41	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.94	
For >500, Deduct	-1.41	
For Shade Cloth, Add	3.60	
01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags <small>(01 56 26 00-0140)</small>		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag.....	2.60	
Note: Includes placement and removal.		
01 56 26 00-0159 Temporary Safety Fence <small>(01 56 26)</small>		
Note: Includes removal after use.		
01 56 26 00-0160 LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence.....	1.63	
01 56 29 Temporary Protective Walkways <small>(01 56)</small>		
01 56 29 00-0001 Temporary Walkways And Railings <small>(01 56 29)</small>		

01	General Requirements
01 50	Temporary Facilities And Controls
01 56	Temporary Barriers And Enclosures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 29 00-0002	LF		Temporary Wooden Guardrail With Top-Rail With Two Side Rails On 36" High 2 x 4 Posts 18" On Center Attached To Walkway Note: Excludes walkway.	13.17	
01 56 29 00-0003	SF		Temporary Walkway With 3/4" Plywood On 2 x 6 Stringers.....	3.78	
01 56 29 00-0004	RSR		Temporary Stairs On 2 x 12 Stringers (Cost Per Riser).....	11.63	
01 56 29 00-0005			Safety Nets (01 56 29)		
01 56 29 00-0006	SF		Small Mesh Debris Netting Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	0.99	
01 56 33			Temporary Security Barriers (01 56)		
01 56 33 00-0001			Temporary Safety Guardrail (01 56 33)		
01 56 33 00-0002	LF		42" High, Wood Temporary Safety Guardrail..... Note: Includes 2" x 4" construction, top, middle and bottom horizontal rails, and post boots. For Attachment To A Concrete Substrate, Add	13.47	1.20
01 56 33 00-0003			Board-up Opening With Plywood (01 56 33)		
			Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0004	OPN		Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	3.90	
01 56 33 00-0005	SF		Board-up Opening With 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	3.24	
01 56 33 00-0006	SF		Board-up Opening With 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	3.73	
01 56 33 00-0007			Street Barricade (01 56 33)		
01 56 33 00-0008	LF		Temporary Street Barricade, Using 12" x 12" Beam As Base With 2" x 4" Top Warning Rail And Sides, Per Month.....	7.78	
01 56 39			Temporary Tree And Plant Protection (01 56)		
01 56 39 00-0001			Temporary Tree Guards (01 56 39)		
			Note: Includes digging holes and removal.		
01 56 39 00-0002	EA		Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	73.65	
01 56 39 00-0003	EA		4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	91.81	
01 56 39 00-0004	EA		6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	100.74	
01 57			Temporary Controls (01 50)		
01 57 13			Temporary Erosion And Sediment Control (01 57)		
			See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.		
01 57 23			Temporary Storm Water Pollution Control (01 57)		
			See CSI section 31 25 00 00-0000 for temporary storm water pollution control.		
01 57 23 00-0001			Temporary Drain Guard (01 57 23)		
			Note: Includes removal after use.		
01 57 23 00-0002	EA		36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....	50.49	
01 57 23 00-0003	EA		36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217)..... Note: Up to 0.87 gallons oil, up to 40 lbs sediment.	49.36	
01 57 23 00-0004	EA		36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219)..... Note: Up to 1.38 gallons oil, up to 40 lbs sediment.	65.30	
01 57 23 00-0005	EA		60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356)..... Note: Up to 1.55 gallons oil, up to 40 lbs sediment.	64.15	
01 57 23 00-0006	EA		60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358)..... Note: Up to 2.06 gallons oil, up to 40 lbs sediment.	81.23	
01 58			Project Identification (01 50)		
			Note: Includes removal after use.		
01 58 13			Temporary Project Signage (01 58)		
01 58 13 00-0001			Project Sign (01 58 13)		
01 58 13 00-0002			MDO Plywood Signs (01 58 13 00-0001) Note: Excludes posts.		
01 58 13 00-0003			Reflectorized, MDO Plywood Signs (01 58 13 00-0002)		
01 58 13 00-0004			Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)		
01 58 13 00-0005	EA		Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign For High-Intensity Grade, Add For Diamond Grade, Add	82.47 23.85 46.00	7.16
01 58 13 00-0006	EA		>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign..... For High-Intensity Grade, Add For Diamond Grade, Add	151.28 47.71 92.01	7.48
01 58 13 00-0007	EA		>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign..... For High-Intensity Grade, Add For Diamond Grade, Add	220.08 71.56 138.01	7.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0008 EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	288.89 95.41 184.01	8.14
01 58 13 00-0009 SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	9.04 2.98 5.75	0.26
01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0002)		
01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)		
01 58 13 00-0012 EA Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	106.79	7.16
01 58 13 00-0013 EA >8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	129.50	7.48
01 58 13 00-0014 EA >16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	165.35	7.81
01 58 13 00-0015 EA >24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	199.17	8.14
01 58 13 00-0016 SF >32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	6.24	0.26
01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)		
01 58 13 00-0018 EA Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	109.39	7.16
01 58 13 00-0019 EA >8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	143.54	7.48
01 58 13 00-0020 EA >16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	179.61	7.81
01 58 13 00-0021 EA >24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	211.40	8.14
01 58 13 00-0022 SF >32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	6.62	0.26
01 58 13 00-0023 Fabricate And Install New Posts (01 58 13 00-0001) Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024 LF Galvanized Metal Channel Sign Posts	7.93	
01 58 13 00-0025 LF 4" x 4" Pressure Treated Wood Sign Posts	4.90	
01 58 13 00-0026 LF 4" x 6" Pressure Treated Wood Sign Posts	6.49	
01 58 13 00-0027 Owner Supplied Signs (01 58 13 00-0001)		
01 58 13 00-0028 EA Installation And Removal Of Owner Supplied Project Sign	26.04	

01 60 Product Requirements (01)

01 66 Product Storage And Handling Requirements (01 60)

01 66 19 Material Handling (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories with attic (2-1/2 stories) or less than 125'.

01 66 19 00-0001 Material Handling Between Floors (01 66 19)

01 66 19 00-0002 CY Moving Material Via Stairs, Per CY Of Material Per Floor2.86
Note: Quantity equals material volume times number of floors traveled.

01 66 19 00-0003 CY Moving Material Via Elevator, Per CY Of Material1.71
Note: Quantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.

01 66 19 00-0004 Moving Furniture (01 66 19)

Note: To be used when contractor is required to move furniture. Not to be used when the amount of furniture is less than 55% of the total floor space. Moving of furniture which occupies less than 55% of the total floor space is considered as part of the coefficient adjustment factor.

01 66 19 00-0005 SF Removal, Transport, Return And Reinstallation Of Office Furniture0.32
Note: Includes general, desks, tables, file cabinets (full), chairs, storage boxes, bookshelves, office equipment and computers (per SF of office area). Not to be used when amount of furniture is less than 55% of total floor space.

01 66 19 00-0006 Material Handling For Distances Greater Than 125' (01 66 19)

01 66 19 00-0007 CY Handling Material For Over 125' Per CY Of Material Per 125'1.35
Note: For delivery, demolition or miscellaneous moving required by owner.

01 66 19 00-0008 Rubbish Handling Between Floors (01 66 19)

Note: Only use with selective demolition tasks to transfer demolished material more than 2-1/2 stories.

01 66 19 00-0009 CY Rubbish Handling Via Stairs, Per CY Of Material Per Floor2.60
Note: Quantity equals material volume times bulk factor times number of floors traveled.

01 66 19 00-0010 CY Rubbish Handling Via Elevator, Per CY Of Material1.56
Note: Quantity equals material volume times bulk factor. If more than one elevator is used, the quantity is factored by the number of transfers.

01 70 Execution And Closeout Requirements (01)

01 71 Examination And Preparation (01 70)

01 71 13 Mobilization (01 71)

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization (01 71 13)

Note: Excludes flagman for traffic control where necessary.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 71 13 00-002	EA		Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck215.40 Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.		
01 71 13 00-003	EA		Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed.....430.80 Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.		

01 71 13 00-004 Crane Delivery, Pickup, Mobilization And Demobilization ^(01 71 13)

Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.

01 71 13 00-005	EA		Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane.....267.50 Note: Includes delivery and pickup.		
			<i>For >30 To 60 Miles Radius, Add</i>	66.88	
			<i>For >60 To 100 Miles Radius, Add</i>	107.00	
01 71 13 00-006	EA		20 To 30 Ton Lift Move On/Off Cost, Hydraulic Crane.....385.20 Note: Includes delivery and pickup.		
			<i>For >30 To 60 Miles Radius, Add</i>	96.30	
			<i>For >60 To 100 Miles Radius, Add</i>	154.08	
01 71 13 00-007	EA		40 To 50 Ton Lift Move On/Off Cost, Hydraulic Crane.....513.60 Note: Includes delivery and pickup.		
			<i>For >30 To 60 Miles Radius, Add</i>	128.40	
			<i>For >60 To 100 Miles Radius, Add</i>	205.44	
01 71 13 00-008	EA		70 To 100 Ton Lift Move On/Off Cost, Hydraulic Crane.....834.60 Note: Includes delivery and pickup.		
			<i>For >30 To 60 Miles Radius, Add</i>	208.65	
			<i>For >60 To 100 Miles Radius, Add</i>	333.84	
01 71 13 00-009	EA		75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....659.12 Note: Includes delivery and pickup.		
			<i>For >30 To 60 Miles Radius, Add</i>	164.78	
			<i>For >60 To 100 Miles Radius, Add</i>	263.65	
01 71 13 00-010	EA		100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....1,070.00 Note: Includes delivery and pickup.		
			<i>For >30 To 60 Miles Radius, Add</i>	267.50	
			<i>For >60 To 100 Miles Radius, Add</i>	428.00	
01 71 13 00-011	EA		125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....1,326.80 Note: Includes delivery and pickup.		
			<i>For >30 To 60 Miles Radius, Add</i>	331.70	
			<i>For >60 To 100 Miles Radius, Add</i>	530.72	
01 71 13 00-012	EA		150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....1,647.80 Note: Includes delivery and pickup.		
			<i>For >30 To 60 Miles Radius, Add</i>	411.95	
			<i>For >60 To 100 Miles Radius, Add</i>	659.12	
01 71 13 00-013	EA		250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....2,996.00 Note: Includes delivery and pickup.		
			<i>For >30 To 60 Miles Radius, Add</i>	749.00	
			<i>For >60 To 100 Miles Radius, Add</i>	1,198.40	
01 71 13 00-014	EA		300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....4,280.00 Note: Includes delivery and pickup.		
			<i>For >30 To 60 Miles Radius, Add</i>	1,070.00	
			<i>For >60 To 100 Miles Radius, Add</i>	1,712.00	
01 71 13 00-015	EA		500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....6,420.00 Note: Includes delivery and pickup.		
			<i>For >30 To 60 Miles Radius, Add</i>	1,605.00	
			<i>For >60 To 100 Miles Radius, Add</i>	2,568.00	

01 71 23 Field Engineering ^(01 71)

01 71 23 16 Construction Surveying ^(01 71 23)

01 71 23 16-0001 Survey Crew ^(01 71 23 16)

01 71 23 16-0002	HR		2 Person Survey Crew (Unit Of Measure Is Per Crew Hour Worked).....149.38 Note: Includes surveyor, rodman, equipment and instruments.		
01 71 23 16-0003	HR		3 Person Survey Crew (Unit Of Measure Is Per Crew Hour Worked).....203.38 Note: Includes surveyor, rodman, chainman, equipment and instruments.		
01 71 23 16-0004	HR		4 Person Survey Crew (Unit Of Measure Is Per Crew Hour Worked).....288.81 Note: Includes two surveyors, rodman, chainman, equipment and instruments.		

01 71 23 16-0005 Conventional Topographic Survey ^(01 71 23 16)

Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.

01 71 23 16-0006	ACR		Survey Clear Area With Few To No Obstacles .....628.09		
01 71 23 16-0007	ACR		Survey Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings) .....1,716.51		
01 71 23 16-0008	ACR		Survey Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....2,469.06		
01 71 23 16-0009	ACR		Survey Developed Areas With Several Structures (25-65% Buildings).....3,680.58		
01 71 23 16-0010	ACR		Survey Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....4,595.79		

01 71 23 16-0011 Property Lines Survey ^(01 71 23 16)

Note: Not to be added to tasks in the "Conventional Topographic Survey" section.

01 71 23 16-0012	LF		Survey Property Lines On Cleared Land .....1.33		
01 71 23 16-0013	LF		Survey Property Lines On Slightly Wooded Land .....1.53		



General Requirements	01	5
Execution And Closeout Requirements	01 70	
Examination And Preparation	01 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0014 LF Survey Property Lines On Wooded Land	1.79	
01 71 23 16-0015 Survey Monument (01 71 23 16)		
01 71 23 16-0016 EA 3' Precast Survey Monument..... <i>For Owner Furnished Monument, Deduct</i>	111.55 -37.35	
01 71 23 16-0017 Facade Surveying (01 71 23 16)		
01 71 23 16-0018 LF Facade Survey And Reports (LF Of Facade x Number Of Floors)	3.64	
01 71 23 16-0019 Utility Survey (01 71 23 16) Note: This survey is only for the location of underground utilities.		
01 71 23 16-0020 ACR Survey Clear Area For Underground Utilities.....	3,095.79	
01 71 36 Non-Destructive Concrete Examination (01 71)		
01 71 36 00-0001 X-Ray And Electromagnetic Survey (01 71 36) Note: To locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR). Includes printed reports.		
01 71 36 00-0002 X-Ray Or Electromagnetic Survey Minimum Set-Up Charge (01 71 36 00-0001)		
01 71 36 00-0003 EA X-Ray Or Electromagnetic Survey Minimum Set-Up Charge..... Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	316.10	
01 71 36 00-0004 X-Ray Survey (01 71 36 00-0001)		
01 71 36 00-0005 EA X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	151.81	-31.25
<i>For >8 To 25, Deduct</i>		
01 71 36 00-0006 Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)		
01 71 36 00-0007 EA Electromagnetic (SIR/GPR) Survey Up To 4 SF Of Concrete, Masonry Or Asphalt.....	303.62	
01 71 36 00-0008 EA Electromagnetic (SIR/GPR) Survey >4 To 500 SF Of Concrete, Masonry Or Asphalt	607.25	
01 71 36 00-0009 SF Electromagnetic (SIR/GPR) Survey >500 SF Of Concrete, Masonry Or Asphalt	1.21	
01 74 Cleaning And Waste Management (01 70)		
01 74 13 Progress Cleaning (01 74) Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.		
01 74 13 00-0001 General (01 74 13)		
01 74 13 00-0002 CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	6.51	
01 74 13 00-0003 CY Collect Existing Debris And Load Into Truck Or Dumpster	7.69	
<i>Note: Per CY of debris removed.</i>		
01 74 16 Site Maintenance (01 74)		
01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance (01 74 16) Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog@.		
01 74 16 00-0002 Parking Lot, Road, And Street Sweeping (01 74 16 00-0001)		
01 74 16 00-0003 MSF Sweep Parking Lot, With Street Sweeper.....	8.64	
01 74 16 00-0004 MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	10.37	
01 74 19 Construction Waste Management And Disposal (01 74) Note: Tasks in this section shall be used as directed by owner.		
01 74 19 00-0001 Debris Chutes (01 74 19) Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002 Steel Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0003 LF 18" Diameter, Steel Temporary Debris Chute.....	17.61	
01 74 19 00-0004 LF 30" Diameter, Steel Temporary Debris Chute.....	27.64	
01 74 19 00-0005 Plastic Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0006 LF 24" Diameter, Plastic Temporary Debris Chute	7.01	
<i>For Steel Liner, Add</i>	1.48	
01 74 19 00-0007 LF 30" Diameter, Plastic Temporary Debris Chute	8.03	
<i>For Steel Liner, Add</i>	1.70	
01 74 19 00-0008 LF 36" Diameter, Plastic Temporary Debris Chute	9.05	
<i>For Steel Liner, Add</i>	1.91	
01 74 19 00-0009 Wood Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0010 LF 4' x 4', Wood Temporary Debris Chute..... Note: Includes fabrication and installation.	15.02	

01	General Requirements
01 70	Execution And Closeout Requirements
01 74	Cleaning And Waste Management



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 74 19 00-0011			Construction Dumpsters Rental <small>(01 74 19)</small> Note: Includes all fees. Price includes service to deliver and pick-up of dumpster, hauling of debris, rental of dumpster. Cost of "Each" is based on each pick-up.		
01 74 19 00-0012	EA		10 CY Dumpster (2 Ton) "Construction Debris".....	539.00	
			Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
01 74 19 00-0013	EA		15 CY Dumpster (2 Ton) "Construction Debris".....	558.99	
			Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
01 74 19 00-0014	EA		20 CY Dumpster (4 Ton) "Construction Debris".....	639.00	
			Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
01 74 19 00-0015	EA		30 CY Dumpster (5 Ton) "Construction Debris".....	738.99	
			Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
01 74 19 00-0016			Concrete Washout Service <small>(01 74 19)</small>		
01 74 19 00-0017	MO		Rampless Concrete Washout Bin.....	549.91	
			Note: Includes delivery.		
01 74 19 00-0018	MO		Ramped Concrete Washout Bin.....	659.90	
			Note: Includes delivery.		
01 74 19 00-0019	EA		Interim Vacuum Service, Concrete Washout Bin.....	340.80	
			Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0020	EA		Vacuum, Pickup, Swap And Dump, Concrete Washout Bin.....	738.40	
			Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
01 74 19 00-0021			Debris Processing Fee <small>(01 74 19)</small>		
01 74 19 00-0022			Landfill Dump Fees <small>(01 74 19 00-0021)</small> Note: Applies to all demolished material except where otherwise noted. Does not apply where owner's resources are utilized, material is recycled or a dumpster is used. Contractor shall dispose of acceptable fill material such as concrete, dirt, masonry products or milled asphalt without dump charges. See CSI section 01 74 19 00-0028 for hauling.		
01 74 19 00-0023	TON		Landfill Dump Fee - Construction And Demolition Debris.....	66.27	
			Note: Includes trash, yard waste and garbage.		
01 74 19 00-0024	TON		Landfill Dump Fee - Tires.....	114.17	
01 74 19 00-0025	TON		Non Milled Asphalt Paving Dump Fees.....	49.35	
01 74 19 00-0026	CY		Concrete With Steel, 2" Or > Exposed, Up To 16 CY, Dump Fees.....	7.91	
01 74 19 00-0027	CY		Concrete With Steel, 2" Or > Exposed, >16 CY, Dump Fees.....	7.28	
01 74 19 00-0028			Hauling <small>(01 74 19)</small> Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0029	CYM		Hauling On Paved Roads, First 15 Miles.....	0.61	
01 74 19 00-0030	CYM		Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.41	
01 74 19 00-0031	CYM		Hauling On Unimproved Roads, First 15 Miles.....	0.88	
01 74 19 00-0032	CYM		Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	0.74	
01 74 23			Final Cleaning <small>(01 74)</small>		
01 74 23 00-0001			Glass <small>(01 74 23)</small>		
01 74 23 00-0002	CSF		Clean Existing Glass Surfaces.....	9.86	

END OF SECTION 01



Existing Conditions	02	02
Assessment	02 20	
Existing Material Assessment	02 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 Existing Conditions

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

02 25 16 Existing Concrete, Masonry Or Asphalt Assessment ^(02 25)
See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation ⁽⁰²⁾

02 32 Geotechnical Investigations ^(02 30)

02 32 13 Subsurface Drilling And Sampling ^(02 32)

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001		Mobilization Of Drilling Crew ^(02 32 13)	
02 32 13 00-0002	EA	Mobilization Of Drilling Crew.....	436.06
02 32 13 00-0003		Auger Borings ^(02 32 13)	
02 32 13 00-0004	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals	10.76
02 32 13 00-0005		Cased Borings In Earth, With Samples ^(02 32 13)	
		Note: All types of soils.	
02 32 13 00-0006	LF	2-1/2" Diameter Cased Borings In Earth, With Samples.....	21.85
02 32 13 00-0007	LF	4" Diameter Cased Borings In Earth, With Samples.....	24.30
02 32 13 00-0008		Drilling In Rock, AW Core (1.25") ^(02 32 13)	
02 32 13 00-0009	LF	Drill In Rock, AW Core.....	52.74
		Note: Includes sampling.	
02 32 13 00-0010	EA	Drill In Rock, With AW Core Boxes.....	4.51
02 32 13 00-0011		Drilling In Rock, BW Core (2.125") ^(02 32 13)	
02 32 13 00-0012	LF	Drill In Rock, BW Core.....	56.70
		Note: Includes sampling.	
02 32 13 00-0013	LF	Drill In Rock, BW Core, With Casing.....	60.85
		Note: Includes sampling.	
02 32 13 00-0014	EA	Drill In Rock, With BW Core Boxes.....	4.51
02 32 13 00-0015		Drilling In Rock, NW Core (2.98") ^(02 32 13)	
02 32 13 00-0016	LF	Drill In Rock, NW Core.....	65.14
		Note: Includes sampling.	
02 32 13 00-0017	LF	Drill In Rock, NW Core, With Casing	69.22
		Note: Includes sampling.	
02 32 13 00-0018	EA	Drill In Rock, With NW Core Boxes.....	5.19
02 32 13 00-0019		Test Pits For Boring Activities ^(02 32 13)	
		Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.	
02 32 13 00-0020		Backhoe Dug Test Pits ^(02 32 13 00-0019)	
02 32 13 00-0021	CY	Excavation For Test Pit, Light Material, Backhoe Excavation.....	26.96
02 32 13 00-0022	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation	31.45
02 32 13 00-0023	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation.....	41.94
02 32 13 00-0024		Hand-Dug Test Pits ^(02 32 13 00-0019)	
02 32 13 00-0025	CY	Excavation For Test Pit, Light Soil, Hand Excavation.....	57.84
02 32 13 00-0026	CY	Excavation For Test Pit, Heavy Soil, Hand Excavation.....	104.10
02 32 13 00-0027		Shelby Tube Sampling ^(02 32 13)	
02 32 13 00-0028	EA	Shelby Tube Sampling.....	29.77
02 32 13 00-0029	EA	Penetration Test	24.25
02 32 13 00-0030		Grouting ^(02 32 13)	
02 32 13 00-0031	VLF	Boreholes.....	5.64

02 40 Demolition And Structure Moving ⁽⁰²⁾

02 41 Demolition ^(02 40)

02 41 13 Selective Site Demolition ^(02 41)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 13 13**Paving Removal** (02 41 13)

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

02 41 13 13-0001**By Machine, Break-up And Leave In Place Bituminous And Concrete****Paving** (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	3.11
		For >500 To 1,000, Deduct	-0.31
		For >1,000 To 2,500, Deduct	-0.56
		For >2,500 To 5,000, Deduct	-0.81
		For >5,000 To 10,000, Deduct	-1.06
		For >10,000, Deduct	-1.31
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	4.67
		For >500 To 1,000, Deduct	-0.47
		For >1,000 To 2,500, Deduct	-0.84
		For >2,500 To 5,000, Deduct	-1.21
		For >5,000 To 10,000, Deduct	-1.59
		For >10,000, Deduct	-1.96
02 41 13 13-0004	SY	>6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving	6.22
		For >500 To 1,000, Deduct	-0.62
		For >1,000 To 2,500, Deduct	-1.12
		For >2,500 To 5,000, Deduct	-1.62
		For >5,000 To 10,000, Deduct	-2.11
		For >10,000, Deduct	-2.61
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	5.73
		For >500 To 1,000, Deduct	-0.57
		For >1,000 To 2,500, Deduct	-1.03
		For >2,500 To 5,000, Deduct	-1.49
		For >5,000 To 10,000, Deduct	-1.95
		For >10,000, Deduct	-2.41
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	8.09
		For >500 To 1,000, Deduct	-0.81
		For >1,000 To 2,500, Deduct	-1.46
		For >2,500 To 5,000, Deduct	-2.10
		For >5,000 To 10,000, Deduct	-2.75
		For >10,000, Deduct	-3.40
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	11.46
		For >500 To 1,000, Deduct	-1.15
		For >1,000 To 2,500, Deduct	-2.06
		For >2,500 To 5,000, Deduct	-2.98
		For >5,000 To 10,000, Deduct	-3.90
		For >10,000, Deduct	-4.81
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	16.18
		For >500 To 1,000, Deduct	-1.62
		For >1,000 To 2,500, Deduct	-2.91
		For >2,500 To 5,000, Deduct	-4.21
		For >5,000 To 10,000, Deduct	-5.50
		For >10,000, Deduct	-6.80
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	21.16
		For >500 To 1,000, Deduct	-2.12
		For >1,000 To 2,500, Deduct	-3.81
		For >2,500 To 5,000, Deduct	-5.50
		For >5,000 To 10,000, Deduct	-7.19
		For >10,000, Deduct	-8.89
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	27.50
		For >500 To 1,000, Deduct	-2.75
		For >1,000 To 2,500, Deduct	-4.95
		For >2,500 To 5,000, Deduct	-7.15
		For >5,000 To 10,000, Deduct	-9.35
		For >10,000, Deduct	-11.55

02 41 13 13-0011**By Hand, Break-up And Leave In Place Bituminous And Concrete Paving** (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0033 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	0.59
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	0.76
02 41 13 13-0014	SF	>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving	1.00
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	0.75
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	0.95
02 41 13 13-0017	SF	Break-Up >6" To 8" Concrete Paving By Hand With Material Left In Place After Break-up	1.25

02 41 13 13-0018**By Machine, Break-up And Remove Bituminous And Concrete Paving** (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 13 13-0001 for saw cutting.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41	13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving	6.39	
			For Elevated Slab, Add	3.20	
			For >500 To 1,000, Deduct	-0.64	
			For >1,000 To 2,500, Deduct	-1.15	
			For >2,500 To 5,000, Deduct	-1.66	
			For >5,000 To 10,000, Deduct	-2.17	
			For >10,000, Deduct	-2.68	
02 41	13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	8.73	
			For Elevated Slab, Add	4.37	
			For >500 To 1,000, Deduct	-0.87	
			For >1,000 To 2,500, Deduct	-1.57	
			For >2,500 To 5,000, Deduct	-2.27	
			For >5,000 To 10,000, Deduct	-2.97	
			For >10,000, Deduct	-3.67	
02 41	13 13-0021	SY	>6" To 9" By Machine, Break-up And Remove Bituminous Paving.....	12.11	
			For Elevated Slab, Add	6.06	
			For >500 To 1,000, Deduct	-1.21	
			For >1,000 To 2,500, Deduct	-2.18	
			For >2,500 To 5,000, Deduct	-3.15	
			For >5,000 To 10,000, Deduct	-4.12	
			For >10,000, Deduct	-5.09	
02 41	13 13-0022	SY	Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	7.36	
			For Elevated Slab, Add	3.68	
			For >500 To 1,000, Deduct	-0.74	
			For >1,000 To 2,500, Deduct	-1.32	
			For >2,500 To 5,000, Deduct	-1.91	
			For >5,000 To 10,000, Deduct	-2.50	
			For >10,000, Deduct	-3.09	
02 41	13 13-0023	SY	>3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	9.62	
			For Elevated Slab, Add	4.81	
			For >500 To 1,000, Deduct	-0.96	
			For >1,000 To 2,500, Deduct	-1.73	
			For >2,500 To 5,000, Deduct	-2.50	
			For >5,000 To 10,000, Deduct	-3.27	
			For >10,000, Deduct	-4.04	
02 41	13 13-0024	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	9.76	
			For Elevated Slab, Add	4.88	
			For >500 To 1,000, Deduct	-0.98	
			For >1,000 To 2,500, Deduct	-1.76	
			For >2,500 To 5,000, Deduct	-2.54	
			For >5,000 To 10,000, Deduct	-3.32	
			For >10,000, Deduct	-4.10	
02 41	13 13-0025	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	12.65	
			For Elevated Slab, Add	6.33	
			For >500 To 1,000, Deduct	-1.27	
			For >1,000 To 2,500, Deduct	-2.28	
			For >2,500 To 5,000, Deduct	-3.29	
			For >5,000 To 10,000, Deduct	-4.30	
			For >10,000, Deduct	-5.31	
02 41	13 13-0026	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	20.97	
			For Elevated Slab, Add	10.49	
			For >500 To 1,000, Deduct	-2.10	
			For >1,000 To 2,500, Deduct	-3.77	
			For >2,500 To 5,000, Deduct	-5.45	
			For >5,000 To 10,000, Deduct	-7.13	
			For >10,000, Deduct	-8.81	
02 41	13 13-0027	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	10.59	
			For Elevated Slab, Add	5.30	
			For >500 To 1,000, Deduct	-1.06	
			For >1,000 To 2,500, Deduct	-1.91	
			For >2,500 To 5,000, Deduct	-2.75	
			For >5,000 To 10,000, Deduct	-3.60	
			For >10,000, Deduct	-4.45	
02 41	13 13-0028	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	13.62	
			For Elevated Slab, Add	6.81	
			For >500 To 1,000, Deduct	-1.36	
			For >1,000 To 2,500, Deduct	-2.45	
			For >2,500 To 5,000, Deduct	-3.54	
			For >5,000 To 10,000, Deduct	-4.63	
			For >10,000, Deduct	-5.72	
02 41	13 13-0029	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	24.33	
			For Elevated Slab, Add	12.17	
			For >500 To 1,000, Deduct	-2.43	
			For >1,000 To 2,500, Deduct	-4.38	
			For >2,500 To 5,000, Deduct	-6.33	
			For >5,000 To 10,000, Deduct	-8.27	
			For >10,000, Deduct	-10.22	
02 41	13 13-0030	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	31.77	
			For Elevated Slab, Add	15.89	
			For >500 To 1,000, Deduct	-3.18	
			For >1,000 To 2,500, Deduct	-5.72	
			For >2,500 To 5,000, Deduct	-8.26	
			For >5,000 To 10,000, Deduct	-10.80	
			For >10,000, Deduct	-13.34	
02 41	13 13-0031	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	41.53	
			For Elevated Slab, Add	20.77	
			For >500 To 1,000, Deduct	-4.15	
			For >1,000 To 2,500, Deduct	-7.48	
			For >2,500 To 5,000, Deduct	-10.80	
			For >5,000 To 10,000, Deduct	-14.12	
			For >10,000, Deduct	-17.44	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 13 13-0032	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	50.40
		<i>For Elevated Slab, Add</i>	25.20
		<i>For >500 To 1,000, Deduct</i>	-5.04
		<i>For >1,000 To 2,500, Deduct</i>	-9.07
		<i>For >2,500 To 5,000, Deduct</i>	-13.10
		<i>For >5,000 To 10,000, Deduct</i>	-17.14
		<i>For >10,000, Deduct</i>	-21.17
02 41 13 13-0033		By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)	
		Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 13 13-0034	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	1.33
02 41 13 13-0035	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving.....	1.75
02 41 13 13-0036	SF	>6" To 8" By Hand, Break-up And Remove Bituminous Paving.....	2.27
02 41 13 13-0037	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving.....	1.66
02 41 13 13-0038	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving.....	2.30
02 41 13 13-0039	SF	>6" To 8" By Hand, Break-up And Remove Concrete Paving.....	2.94
02 41 13 13-0040		Grind Concrete (02 41 13 13)	
02 41 13 13-0041	EA	Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard).....	80.48
		Note: For each location up to 5' wide, feather up to 12" each direction.	
		<i>For >1/2" To 1" Depth Of Grinding, Add</i>	12.07
		<i>For >1" To 1-1/2" Depth Of Grinding, Add</i>	20.12
		<i>For Up To 5, Add</i>	16.10
		<i>For >5 To 10, Add</i>	8.05
		<i>For >25 To 50, Deduct</i>	-8.05
		<i>For >50 To 250, Deduct</i>	-12.07
		<i>For >250, Deduct</i>	-16.10
		<i>For Sidewalks >5', Add</i>	8.05
		<i>For Up To 12" Additional Feathering Per Side, Add</i>	8.05
02 41 16		Structure Demolition (02 41)	
02 41 16 13		Building Demolition (02 41 16)	
02 41 16 13-0001		Building Interior Demolition (02 41 16 13)	
		Note: Guttled and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panelboards. Excludes hauling, dump fees, recycling charges, and/or salvage value.	
02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	2.93
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	4.43
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	3.62
02 41 16 13-0005	GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	3.23
02 41 16 13-0006		Commercial And Residential Structures Demolition (02 41 16 13)	
		Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, cleanup and work, site paving and concrete, recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.	
02 41 16 13-0007		Steel Framed Building Demolition (02 41 16 13-0006)	
		Note: Includes masonry partitions and concrete decks.	
02 41 16 13-0008	CCF	By Pneumatic Tools/Hand, Steel Framed Building Demolition	31.61
		<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct</i>	-2.37
		<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct</i>	-4.74
		<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct</i>	-7.11
		<i>For Up To 500, Add</i>	9.48
		<i>For >500 To 1,000, Add</i>	6.32
		<i>For >1,000 To 2,000, Add</i>	3.16
		<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	10.43
		<i>For No Interior Partitions, Deduct</i>	-7.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0009 CCF By Machine, Steel Framed Building Demolition	20.48	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-1.54	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-3.07	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-4.61	
For Up To 500, Add	6.14	
For >500 To 1,000, Add	4.10	
For >1,000 To 2,000, Add	2.05	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	3.07	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	5.12	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	7.17	
For Volume Of Area Within 15' To An Adjacent Building, Add	6.76	
For No Interior Partitions, Deduct	-5.12	
02 41 16 13-0010 Reinforced Concrete Building Demolition (02 41 16 13-0006)		
02 41 16 13-0011 CCF By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition	39.67	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.98	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-5.95	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-8.93	
For Up To 500, Add	11.90	
For >500 To 1,000, Add	7.93	
For >1,000 To 2,000, Add	3.97	
For Volume Of Area Within 15' To An Adjacent Building, Add	13.09	
For No Interior Partitions, Deduct	-9.92	
02 41 16 13-0012 CCF By Machine, Reinforced Concrete Building Demolition	27.04	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.03	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-4.06	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-6.08	
For Up To 500, Add	8.11	
For >500 To 1,000, Add	5.41	
For >1,000 To 2,000, Add	2.70	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	4.06	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	6.76	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	9.46	
For Volume Of Area Within 15' To An Adjacent Building, Add	8.92	
For No Interior Partitions, Deduct	-6.76	
02 41 16 13-0013 Masonry Construction Building Demolition (02 41 16 13-0006)		
02 41 16 13-0014 CCF By Pneumatic Tools/Hand, Masonry Construction Building Demolition	27.88	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.09	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-4.18	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-6.27	
For Up To 500, Add	8.36	
For >500 To 1,000, Add	5.58	
For >1,000 To 2,000, Add	2.79	
For Volume Of Area Within 15' To An Adjacent Building, Add	9.20	
For No Interior Partitions, Deduct	-6.97	
02 41 16 13-0015 CCF By Machine, Masonry Construction Building Demolition	18.38	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-1.38	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-2.76	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-4.14	
For Up To 500, Add	5.51	
For >500 To 1,000, Add	3.68	
For >1,000 To 2,000, Add	1.84	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	2.76	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	4.60	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	6.43	
For Volume Of Area Within 15' To An Adjacent Building, Add	6.07	
For No Interior Partitions, Deduct	-4.60	
02 41 16 13-0016 Wood Frame Construction Building Demolition (02 41 16 13-0006)		
02 41 16 13-0017 CCF By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	24.23	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-1.82	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-3.63	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-5.45	
For Up To 500, Add	7.27	
For >500 To 1,000, Add	4.85	
For >1,000 To 2,000, Add	2.42	
For Volume Of Area Within 15' To An Adjacent Building, Add	8.00	
For No Interior Partitions, Deduct	-6.06	
02 41 16 13-0018 CCF By Machine, Wood Frame Construction Building Demolition	15.73	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-1.18	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-2.36	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-3.54	
For Up To 500, Add	4.72	
For >500 To 1,000, Add	3.15	
For >1,000 To 2,000, Add	1.57	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	2.36	
For Volume Of Area Within 15' To An Adjacent Building, Add	5.19	
For No Interior Partitions, Deduct	-3.93	
02 41 16 13-0019 Sorting Of Material Debris For Recycling Prior To Hauling Off (02 41 16 13-0006)		
Note: Per building volume.		
02 41 16 13-0020 CCF Sorting Of Material Debris For Recycling Prior To Hauling Off	2.86	
For Up To 500, Add	0.86	
For >500 To 1,000, Add	0.57	
For >1,000 To 2,000, Add	0.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 16 13-0021			Foundation Demolition (02 41 16 13)		
			Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.		
02 41 16 13-0022			Concrete Foundation Demolition (02 41 16 13-0021)		
02 41 16 13-0023	CF		Non Reinforced Concrete Foundation Demolition.....	5.45	
02 41 16 13-0024	SF		4" Thick Non Reinforced Concrete Foundation Wall Demolition.....	2.33	
02 41 16 13-0025	SF		6" Thick Non Reinforced Concrete Foundation Wall Demolition.....	3.11	
02 41 16 13-0026	SF		8" Thick Non Reinforced Concrete Foundation Wall Demolition.....	3.88	
02 41 16 13-0027	SF		10" Thick Non Reinforced Concrete Foundation Wall Demolition.....	4.67	
02 41 16 13-0028	SF		12" Thick Non Reinforced Concrete Foundation Wall Demolition.....	5.45	
02 41 16 13-0029	SF		16" Thick Non Reinforced Concrete Foundation Wall Demolition.....	6.22	
02 41 16 13-0030	CF		Reinforced Concrete Foundation Demolition.....	6.53	
02 41 16 13-0031	SF		4" Thick Reinforced Concrete Foundation Wall Demolition.....	2.80	
02 41 16 13-0032	SF		6" Thick Reinforced Concrete Foundation Wall Demolition.....	3.74	
02 41 16 13-0033	SF		8" Thick Reinforced Concrete Foundation Wall Demolition.....	4.67	
02 41 16 13-0034	SF		10" Thick Reinforced Concrete Foundation Wall Demolition.....	5.52	
02 41 16 13-0035	SF		12" Thick Reinforced Concrete Foundation Wall Demolition.....	6.53	
02 41 16 13-0036	SF		16" Thick Reinforced Concrete Foundation Wall Demolition.....	7.46	
02 41 16 13-0037			Concrete Block Foundation Wall Demolition (02 41 16 13-0021)		
02 41 16 13-0038	SF		4" Thick Non Reinforced Concrete Block Foundation Wall Demolition.....	1.71	
02 41 16 13-0039	SF		6" Thick Non Reinforced Concrete Block Foundation Wall Demolition.....	1.83	
02 41 16 13-0040	SF		8" Thick Non Reinforced Concrete Block Foundation Wall Demolition.....	2.06	
02 41 16 13-0041	SF		10" Thick Non Reinforced Concrete Block Foundation Wall Demolition.....	2.37	
02 41 16 13-0042	SF		12" Thick Non Reinforced Concrete Block Foundation Wall Demolition.....	2.65	
02 41 16 13-0043	SF		16" Thick Non Reinforced Concrete Block Foundation Wall Demolition.....	3.30	
02 41 16 13-0044	SF		4" Thick Reinforced Concrete Block Foundation Wall Demolition.....	2.05	
02 41 16 13-0045	SF		6" Thick Reinforced Concrete Block Foundation Wall Demolition.....	2.20	
02 41 16 13-0046	SF		8" Thick Reinforced Concrete Block Foundation Wall Demolition.....	2.48	
02 41 16 13-0047	SF		10" Thick Reinforced Concrete Block Foundation Wall Demolition.....	2.85	
02 41 16 13-0048	SF		12" Thick Reinforced Concrete Block Foundation Wall Demolition.....	3.18	
02 41 16 13-0049	SF		16" Thick Reinforced Concrete Block Foundation Wall Demolition.....	3.97	
02 41 16 13-0050			Brick Foundation Wall Demolition (02 41 16 13-0021)		
02 41 16 13-0051	SF		4" Thick Brick Foundation Wall Demolition.....	1.71	
02 41 16 13-0052	SF		6" Thick Brick Foundation Wall Demolition.....	1.83	
02 41 16 13-0053	SF		8" Thick Brick Foundation Wall Demolition.....	2.06	
02 41 16 13-0054	SF		10" Thick Brick Foundation Wall Demolition.....	2.37	
02 41 16 13-0055	SF		12" Thick Brick Foundation Wall Demolition.....	2.65	
02 41 16 13-0056	SF		16" Thick Brick Foundation Wall Demolition.....	3.30	
02 41 16 13-0057			Stone Foundation Demolition (02 41 16 13-0021)		
02 41 16 13-0058	CF		Stone Footing Or Foundation Wall Demolition.....	5.45	
02 41 16 13-0059			Other Foundation Demolition (02 41 16 13-0021)		
02 41 16 13-0060	CF		Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition.....	6.14	
			Note: Includes excavation.		
02 41 19			Selective Demolition (02 41)		
02 41 19 13			Selective Building Demolition (02 41 19)		
02 41 19 13-0001			Saw Cutting (02 41 19 13)		
			Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0002	LF		Saw Cut Bituminous Paving Up To 4" Depth.....	1.16	
			For Each Additional Pass (Depth To 3"), Add	0.41	
			For >250, Deduct	-0.10	
02 41 19 13-0003	LF		Saw Cut Brick Masonry Up To 4" Depth.....	3.63	
			For Each Additional Pass (Depth To 3"), Add	1.38	
			For >250, Deduct	-0.34	
02 41 19 13-0004	LF		Saw Cut Concrete Block Up To 4" Depth.....	3.32	
			For Each Additional Pass (Depth To 3"), Add	1.26	
			For >250, Deduct	-0.31	
02 41 19 13-0005	LF		Saw Cut Non Reinforced Concrete Slab Or Paving Up To 4" Depth.....	1.40	
			For Each Additional Pass (Depth To 3"), Add	0.48	
			For >250, Deduct	-0.11	
02 41 19 13-0006	LF		Saw Cut Welded Wire Reinforced Concrete Slab Up To 4" Depth.....	1.80	
			For Each Additional Pass (Depth To 3"), Add	0.63	
			For >250, Deduct	-0.15	
02 41 19 13-0007	LF		Saw Cut Rod Reinforced Concrete Slab Up To 4" Depth.....	2.70	
			For Each Additional Pass (Depth To 3"), Add	0.98	
			For >250, Deduct	-0.24	
02 41 19 13-0008	LF		Saw Cut Plain Concrete Walls Up To 4" Depth.....	4.58	
			For Each Additional Pass (Depth To 3"), Add	1.76	
			For >250, Deduct	-0.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0009 LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	6.14	
For Each Additional Pass (Depth To 3"), Add	2.36	
For >250, Deduct	-0.58	
02 41 19 13-0010 LF Saw Cut In Streets, Concrete And Asphalt Up To 4" Depth.....	1.29	
For Each Additional Pass (Depth To 3"), Add	0.45	
For >250, Deduct	-0.11	
02 41 19 13-0011 LF Saw Cut Igneous Stone Pavements Up To 4" Depth.....	3.36	
For Each Additional Pass (Depth To 3"), Add	1.27	
For >250, Deduct	-0.31	
02 41 19 13-0012 LF Saw Cut Sedimentary Stone Pavements Up To 4" Depth	3.36	
For Each Additional Pass (Depth To 3"), Add	1.27	
For >250, Deduct	-0.31	
02 41 19 13-0013 LF Saw Cut Metamorphic Stone Pavements Up To 4" Depth.....	3.36	
For Each Additional Pass (Depth To 3"), Add	1.27	
For >250, Deduct	-0.31	
02 41 19 13-0014 LF Saw Cut Terrazzo Stone Pavements Up To 4" Depth	3.36	
For Each Additional Pass (Depth To 3"), Add	1.27	
For >250, Deduct	-0.31	
02 41 19 13-0015 EA Saw Cut Minimum Charge	467.15	
Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0016 Torch Cutting (02 41 19 13)		
Note: Includes grinding edge		
02 41 19 13-0017 LF Up To 1/2", Torch Cut Steel Plate.....	1.40	
02 41 19 13-0018 LF >1/2" To 1" Thick, Torch Cut Steel Plate	2.81	
02 41 19 13-0019 LF >1" To 1-1/2" Thick, Torch Cut Steel Plate	4.20	
02 41 19 13-0020 LF >1-1/2" To 2" Thick, Torch Cut Steel Plate	5.60	
02 41 19 13-0021 LF >2" To 2-1/2" Thick, Torch Cut Steel Plate	7.01	
02 41 19 13-0022 LF >2-1/2" To 3" Thick, Torch Cut Steel Plate	8.41	
02 41 19 13-0023 EA Torch Cutting Minimum Charge.....	485.56	
Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0024 Drilling (02 41 19 13)		
Note: Includes drill bit wear, water, layout, set-up and clean-up.		
02 41 19 13-0025 Concrete Core Drilling (02 41 19 13-0024)		
02 41 19 13-0026 Up To 4" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0027 EA Drill 2" Diameter Core In Up To 4" Concrete.....	23.53	
For Horizontal Cores, Add	3.90	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	7.79	
02 41 19 13-0028 EA Drill 3" Diameter Core In Up To 4" Concrete.....	33.27	
For Horizontal Cores, Add	5.57	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.13	
02 41 19 13-0029 EA Drill 4" Diameter Core In Up To 4" Concrete.....	44.61	
For Horizontal Cores, Add	7.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.91	
02 41 19 13-0030 EA Drill 6" Diameter Core In Up To 4" Concrete.....	50.97	
For Horizontal Cores, Add	8.35	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.70	
02 41 19 13-0031 EA Drill 8" Diameter Core In Up To 4" Concrete.....	79.44	
For Horizontal Cores, Add	13.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.72	
02 41 19 13-0032 EA Drill 10" Diameter Core In Up To 4" Concrete.....	100.75	
For Horizontal Cores, Add	16.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.39	
02 41 19 13-0033 EA Drill 12" Diameter Core In Up To 4" Concrete.....	118.09	
For Horizontal Cores, Add	19.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.96	
02 41 19 13-0034 EA Drill 14" Diameter Core In Up To 4" Concrete.....	135.92	
For Horizontal Cores, Add	22.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	44.52	
02 41 19 13-0035 EA Drill 18" Diameter Core In Up To 4" Concrete.....	156.83	
For Horizontal Cores, Add	25.04	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	50.08	
02 41 19 13-0036 >4" To 6" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0037 EA Drill 2" Diameter Core In >4" To 6" Concrete.....	34.03	
For Horizontal Cores, Add	5.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.13	
02 41 19 13-0038 EA Drill 3" Diameter Core In >4" To 6" Concrete.....	41.90	
For Horizontal Cores, Add	6.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.36	
02 41 19 13-0039 EA Drill 4" Diameter Core In >4" To 6" Concrete.....	53.01	
For Horizontal Cores, Add	8.35	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.70	
02 41 19 13-0040 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	69.67	
For Horizontal Cores, Add	11.13	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.26	
02 41 19 13-0041 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	102.63	
For Horizontal Cores, Add	16.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.39	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 41 19 13-0042	EA	Drill 10" Diameter Core In >4" To 6" Concrete	123.21
		<i>For Horizontal Cores, Add</i>	19.48
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.96
02 41 19 13-0043	EA	Drill 12" Diameter Core In >4" To 6" Concrete	142.24
		<i>For Horizontal Cores, Add</i>	22.26
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.52
02 41 19 13-0044	EA	Drill 14" Diameter Core In >4" To 6" Concrete	162.81
		<i>For Horizontal Cores, Add</i>	25.04
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	50.08
02 41 19 13-0045	EA	Drill 18" Diameter Core In >4" To 6" Concrete	187.84
		<i>For Horizontal Cores, Add</i>	27.82
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	55.65
02 41 19 13-0046 >6" To 8" Thick Concrete Core Drilling (02 41 19 13-0025)			
02 41 19 13-0047	EA	Drill 2" Diameter Core In >6" To 8" Concrete	39.04
		<i>For Horizontal Cores, Add</i>	6.12
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	12.24
02 41 19 13-0048	EA	Drill 3" Diameter Core In >6" To 8" Concrete	47.76
		<i>For Horizontal Cores, Add</i>	7.23
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.47
02 41 19 13-0049	EA	Drill 4" Diameter Core In >6" To 8" Concrete	62.51
		<i>For Horizontal Cores, Add</i>	9.46
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.92
02 41 19 13-0050	EA	Drill 6" Diameter Core In >6" To 8" Concrete	85.60
		<i>For Horizontal Cores, Add</i>	13.36
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.72
02 41 19 13-0051	EA	Drill 8" Diameter Core In >6" To 8" Concrete	136.94
		<i>For Horizontal Cores, Add</i>	22.26
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.52
02 41 19 13-0052	EA	Drill 10" Diameter Core In >6" To 8" Concrete	159.56
		<i>For Horizontal Cores, Add</i>	25.04
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	50.08
02 41 19 13-0053	EA	Drill 12" Diameter Core In >6" To 8" Concrete	180.32
		<i>For Horizontal Cores, Add</i>	27.82
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	55.65
02 41 19 13-0054	EA	Drill 14" Diameter Core In >6" To 8" Concrete	203.61
		<i>For Horizontal Cores, Add</i>	30.60
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	61.20
02 41 19 13-0055	EA	Drill 18" Diameter Core In >6" To 8" Concrete	232.78
		<i>For Horizontal Cores, Add</i>	33.39
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	66.78
02 41 19 13-0056 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0025)			
02 41 19 13-0057	EA	Drill 2" Diameter Core In >8" To 10" Concrete	46.82
		<i>For Horizontal Cores, Add</i>	7.23
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.47
02 41 19 13-0058	EA	Drill 3" Diameter Core In >8" To 10" Concrete	56.41
		<i>For Horizontal Cores, Add</i>	8.35
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.70
02 41 19 13-0059	EA	Drill 4" Diameter Core In >8" To 10" Concrete	66.44
		<i>For Horizontal Cores, Add</i>	9.46
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.92
02 41 19 13-0060	EA	Drill 6" Diameter Core In >8" To 10" Concrete	90.38
		<i>For Horizontal Cores, Add</i>	13.36
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.72
02 41 19 13-0061	EA	Drill 8" Diameter Core In >8" To 10" Concrete	143.44
		<i>For Horizontal Cores, Add</i>	22.26
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.52
02 41 19 13-0062	EA	Drill 10" Diameter Core In >8" To 10" Concrete	168.11
		<i>For Horizontal Cores, Add</i>	25.04
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	50.08
02 41 19 13-0063	EA	Drill 12" Diameter Core In >8" To 10" Concrete	190.56
		<i>For Horizontal Cores, Add</i>	27.82
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	55.64
02 41 19 13-0064	EA	Drill 14" Diameter Core In >8" To 10" Concrete	216.61
		<i>For Horizontal Cores, Add</i>	30.60
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	61.20
02 41 19 13-0065	EA	Drill 18" Diameter Core In >8" To 10" Concrete	249.83
		<i>For Horizontal Cores, Add</i>	33.38
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	66.77
02 41 19 13-0066 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0025)			
02 41 19 13-0067	EA	Drill 2" Diameter Core In >10" To 12" Concrete	51.83
		<i>For Horizontal Cores, Add</i>	7.79
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.58
02 41 19 13-0068	EA	Drill 3" Diameter Core In >10" To 12" Concrete	59.49
		<i>For Horizontal Cores, Add</i>	8.35
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.70
02 41 19 13-0069	EA	Drill 4" Diameter Core In >10" To 12" Concrete	78.71
		<i>For Horizontal Cores, Add</i>	11.13
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.26
02 41 19 13-0070	EA	Drill 6" Diameter Core In >10" To 12" Concrete	100.73
		<i>For Horizontal Cores, Add</i>	14.47
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.94



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0071	EA		Drill 8" Diameter Core In >10" To 12" Concrete.....	155.50	
			<i>For Horizontal Cores, Add</i>	23.37	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	46.74	
02 41 19 13-0072	EA		Drill 10" Diameter Core In >10" To 12" Concrete.....	176.66	
			<i>For Horizontal Cores, Add</i>	25.04	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	50.08	
02 41 19 13-0073	EA		Drill 12" Diameter Core In >10" To 12" Concrete.....	206.43	
			<i>For Horizontal Cores, Add</i>	28.94	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	57.88	
02 41 19 13-0074 >12" Thick Concrete Core Drilling (02 41 19 13-0025)					
02 41 19 13-0075	IN		Drill 2" Diameter Core In >12" Concrete.....	5.84	
			<i>For Horizontal Cores, Add</i>	0.95	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	1.91	
02 41 19 13-0076	IN		Drill 3" Diameter Core In >12" Concrete.....	6.70	
			<i>For Horizontal Cores, Add</i>	1.04	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.09	
02 41 19 13-0077	IN		Drill 4" Diameter Core In >12" Concrete.....	8.87	
			<i>For Horizontal Cores, Add</i>	1.39	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.78	
02 41 19 13-0078	IN		Drill 6" Diameter Core In >12" Concrete.....	11.41	
			<i>For Horizontal Cores, Add</i>	1.81	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.62	
02 41 19 13-0079	IN		Drill 8" Diameter Core In >12" Concrete.....	17.84	
			<i>For Horizontal Cores, Add</i>	2.92	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.85	
02 41 19 13-0080	IN		Drill 10" Diameter Core In >12" Concrete.....	20.01	
			<i>For Horizontal Cores, Add</i>	3.14	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	6.29	
02 41 19 13-0081	IN		Drill 12" Diameter Core In >12" Concrete.....	23.24	
			<i>For Horizontal Cores, Add</i>	3.62	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	7.24	
02 41 19 13-0082 Brick/Concrete Block Core Drilling (02 41 19 13-0024)					
02 41 19 13-0083 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)					
02 41 19 13-0084	EA		Drill 2" Diameter Core In Up To 4" Brick/Concrete Block.....	19.63	
			<i>For Horizontal Cores, Add</i>	3.12	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	6.23	
02 41 19 13-0085	EA		Drill 3" Diameter Core In Up To 4" Brick/Concrete Block.....	27.70	
			<i>For Horizontal Cores, Add</i>	4.45	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	8.90	
02 41 19 13-0086	EA		Drill 4" Diameter Core In Up To 4" Brick/Concrete Block.....	37.16	
			<i>For Horizontal Cores, Add</i>	5.97	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	11.93	
02 41 19 13-0087	EA		Drill 6" Diameter Core In Up To 4" Brick/Concrete Block.....	42.62	
			<i>For Horizontal Cores, Add</i>	6.68	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.36	
02 41 19 13-0088	EA		Drill 8" Diameter Core In Up To 4" Brick/Concrete Block.....	66.08	
			<i>For Horizontal Cores, Add</i>	10.69	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.37	
02 41 19 13-0089	EA		Drill 10" Diameter Core In Up To 4" Brick/Concrete Block.....	84.06	
			<i>For Horizontal Cores, Add</i>	13.36	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.72	
02 41 19 13-0090	EA		Drill 12" Diameter Core In Up To 4" Brick/Concrete Block.....	98.61	
			<i>For Horizontal Cores, Add</i>	15.58	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.17	
02 41 19 13-0091	EA		Drill 14" Diameter Core In Up To 4" Brick/Concrete Block.....	113.66	
			<i>For Horizontal Cores, Add</i>	17.81	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.62	
02 41 19 13-0092	EA		Drill 18" Diameter Core In Up To 4" Brick/Concrete Block.....	131.80	
			<i>For Horizontal Cores, Add</i>	20.03	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.07	
02 41 19 13-0093 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)					
02 41 19 13-0094	EA		Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block.....	28.47	
			<i>For Horizontal Cores, Add</i>	4.45	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	8.90	
02 41 19 13-0095	EA		Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block.....	35.22	
			<i>For Horizontal Cores, Add</i>	5.34	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	10.68	
02 41 19 13-0096	EA		Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block.....	44.66	
			<i>For Horizontal Cores, Add</i>	6.68	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.36	
02 41 19 13-0097	EA		Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block.....	58.55	
			<i>For Horizontal Cores, Add</i>	8.91	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.81	
02 41 19 13-0098	EA		Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block.....	85.94	
			<i>For Horizontal Cores, Add</i>	13.36	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.72	
02 41 19 13-0099	EA		Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block.....	103.73	
			<i>For Horizontal Cores, Add</i>	15.58	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.17	
02 41 19 13-0100	EA		Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block.....	119.98	
			<i>For Horizontal Cores, Add</i>	17.81	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0101	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	137.78	
		<i>For Horizontal Cores, Add</i>	20.03	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.07	
02 41 19 13-0102	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	160.02	
		<i>For Horizontal Cores, Add</i>	22.26	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.52	
02 41 19 13-0103		>6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0104	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	32.92	
		<i>For Horizontal Cores, Add</i>	4.90	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	9.80	
02 41 19 13-0105	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	40.53	
		<i>For Horizontal Cores, Add</i>	5.79	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	11.58	
02 41 19 13-0106	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	53.05	
		<i>For Horizontal Cores, Add</i>	7.57	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.14	
02 41 19 13-0107	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	72.24	
		<i>For Horizontal Cores, Add</i>	10.69	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.37	
02 41 19 13-0108	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	114.68	
		<i>For Horizontal Cores, Add</i>	17.81	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.62	
02 41 19 13-0109	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	134.53	
		<i>For Horizontal Cores, Add</i>	20.03	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.07	
02 41 19 13-0110	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	152.50	
		<i>For Horizontal Cores, Add</i>	22.26	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.52	
02 41 19 13-0111	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	173.01	
		<i>For Horizontal Cores, Add</i>	24.48	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.96	
02 41 19 13-0112	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	199.39	
		<i>For Horizontal Cores, Add</i>	26.71	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	53.43	
02 41 19 13-0113		>8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0114	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	39.59	
		<i>For Horizontal Cores, Add</i>	5.79	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	11.58	
02 41 19 13-0115	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	48.06	
		<i>For Horizontal Cores, Add</i>	6.68	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.36	
02 41 19 13-0116	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	56.98	
		<i>For Horizontal Cores, Add</i>	7.57	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.14	
02 41 19 13-0117	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	77.02	
		<i>For Horizontal Cores, Add</i>	10.69	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.37	
02 41 19 13-0118	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	121.18	
		<i>For Horizontal Cores, Add</i>	17.81	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.62	
02 41 19 13-0119	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	143.08	
		<i>For Horizontal Cores, Add</i>	20.03	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.07	
02 41 19 13-0120	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	162.74	
		<i>For Horizontal Cores, Add</i>	22.26	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.51	
02 41 19 13-0121	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	186.01	
		<i>For Horizontal Cores, Add</i>	24.48	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.96	
02 41 19 13-0122	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	216.44	
		<i>For Horizontal Cores, Add</i>	26.71	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	53.41	
02 41 19 13-0123		>10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0124	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	44.04	
		<i>For Horizontal Cores, Add</i>	6.23	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	12.47	
02 41 19 13-0125	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	51.14	
		<i>For Horizontal Cores, Add</i>	6.68	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.36	
02 41 19 13-0126	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	67.59	
		<i>For Horizontal Cores, Add</i>	8.91	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.81	
02 41 19 13-0127	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	86.26	
		<i>For Horizontal Cores, Add</i>	11.58	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.15	
02 41 19 13-0128	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	132.14	
		<i>For Horizontal Cores, Add</i>	18.70	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	37.40	
02 41 19 13-0129	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	151.63	
		<i>For Horizontal Cores, Add</i>	20.03	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0130 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	177.49 23.15 46.31	
02 41 19 13-0131 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0132 IN Drill 2" Diameter Core In >12" Brick/Concrete Block <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.88 0.76 1.52	
02 41 19 13-0133 IN Drill 3" Diameter Core In >12" Brick/Concrete Block <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.65 0.83 1.67	
02 41 19 13-0134 IN Drill 4" Diameter Core In >12" Brick/Concrete Block <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	7.48 1.11 2.22	
02 41 19 13-0135 IN Drill 6" Diameter Core In >12" Brick/Concrete Block <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	9.60 1.45 2.90	
02 41 19 13-0136 IN Drill 8" Diameter Core In >12" Brick/Concrete Block <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.92 2.34 4.68	
02 41 19 13-0137 IN Drill 10" Diameter Core In >12" Brick/Concrete Block <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.86 2.51 5.03	
02 41 19 13-0138 IN Drill 12" Diameter Core In >12" Brick/Concrete Block <i>For Horizontal Cores, Add</i> <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.62 2.90 5.79	
02 41 19 13-0139 Asphalt Core Drilling (02 41 19 13-0024)		
02 41 19 13-0140 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0139)		
02 41 19 13-0141 EA Drill 1" Diameter Core In Up To 2" Asphalt 02 41 19 13-0142 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt 02 41 19 13-0143 EA Drill 2" Diameter Core In Up To 2" Asphalt 02 41 19 13-0144 EA Drill 3" Diameter Core In Up To 2" Asphalt 02 41 19 13-0145 EA Drill 4" Diameter Core In Up To 2" Asphalt 02 41 19 13-0146 EA Drill 6" Diameter Core In Up To 2" Asphalt 02 41 19 13-0147 EA Drill 8" Diameter Core In Up To 2" Asphalt 02 41 19 13-0148 EA Drill 10" Diameter Core In Up To 2" Asphalt 02 41 19 13-0149 EA Drill 12" Diameter Core In Up To 2" Asphalt	8.39 10.55 13.18 16.48 20.79 26.16 32.90 40.62 50.56	
02 41 19 13-0150 >2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0139)		
02 41 19 13-0151 EA Drill 1" Diameter Core In >2" To 3" Asphalt 02 41 19 13-0152 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt 02 41 19 13-0153 EA Drill 2" Diameter Core In >2" To 3" Asphalt 02 41 19 13-0154 EA Drill 3" Diameter Core In >2" To 3" Asphalt 02 41 19 13-0155 EA Drill 4" Diameter Core In >2" To 3" Asphalt 02 41 19 13-0156 EA Drill 6" Diameter Core In >2" To 3" Asphalt 02 41 19 13-0157 EA Drill 8" Diameter Core In >2" To 3" Asphalt 02 41 19 13-0158 EA Drill 10" Diameter Core In >2" To 3" Asphalt 02 41 19 13-0159 EA Drill 12" Diameter Core In >2" To 3" Asphalt	10.46 13.58 16.69 21.02 26.38 33.25 41.59 51.82 64.30	
02 41 19 13-0160 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0139)		
02 41 19 13-0161 EA Drill 1" Diameter Core In >3" To 4" Asphalt 02 41 19 13-0162 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt 02 41 19 13-0163 EA Drill 2" Diameter Core In >3" To 4" Asphalt 02 41 19 13-0164 EA Drill 3" Diameter Core In >3" To 4" Asphalt 02 41 19 13-0165 EA Drill 4" Diameter Core In >3" To 4" Asphalt 02 41 19 13-0166 EA Drill 6" Diameter Core In >3" To 4" Asphalt 02 41 19 13-0167 EA Drill 8" Diameter Core In >3" To 4" Asphalt 02 41 19 13-0168 EA Drill 10" Diameter Core In >3" To 4" Asphalt 02 41 19 13-0169 EA Drill 12" Diameter Core In >3" To 4" Asphalt	13.66 17.43 21.58 27.03 34.16 42.72 53.95 66.86 83.07	
02 41 19 13-0170 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0139)		
02 41 19 13-0171 EA Drill 1" Diameter Core In >4" To 6" Asphalt 02 41 19 13-0172 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt 02 41 19 13-0173 EA Drill 2" Diameter Core In >4" To 6" Asphalt 02 41 19 13-0174 EA Drill 3" Diameter Core In >4" To 6" Asphalt 02 41 19 13-0175 EA Drill 4" Diameter Core In >4" To 6" Asphalt 02 41 19 13-0176 EA Drill 6" Diameter Core In >4" To 6" Asphalt 02 41 19 13-0177 EA Drill 8" Diameter Core In >4" To 6" Asphalt 02 41 19 13-0178 EA Drill 10" Diameter Core In >4" To 6" Asphalt 02 41 19 13-0179 EA Drill 12" Diameter Core In >4" To 6" Asphalt	18.15 22.56 27.85 35.71 44.69 55.59 70.53 87.23 108.53	
02 41 19 13-0180 Manhole Core Drilling (02 41 19 13-0024)		
02 41 19 13-0181 EA Drill 4" Diameter Core In 6" Brick Manhole 02 41 19 13-0182 EA Drill 5" Diameter Core In 6" Brick Manhole 02 41 19 13-0183 EA Drill 6" Diameter Core In 6" Brick Manhole 02 41 19 13-0184 EA Drill 8" Diameter Core In 6" Brick Manhole 02 41 19 13-0185 EA Drill 2" Diameter Core In 8" Concrete Manhole	91.09 103.96 120.70 179.78 120.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0186	EA		Drill 3" Diameter Core In 8" Concrete Manhole.....	130.66	
02 41 19 13-0187	EA		Drill 4" Diameter Core In 8" Concrete Manhole.....	146.18	
02 41 19 13-0188	EA		Drill 5" Diameter Core In 8" Concrete Manhole.....	157.51	
02 41 19 13-0189	EA		Drill 6" Diameter Core In 8" Concrete Manhole.....	185.51	
02 41 19 13-0190	EA		Drill 8" Diameter Core In 8" Concrete Manhole.....	263.78	
02 41 19 13-0191	EA		Drill 2" Diameter Core In Fiberglass Manhole.....	11.31	
02 41 19 13-0192	EA		Drill 3" Diameter Core In Fiberglass Manhole.....	13.10	
02 41 19 13-0193	EA		Drill 4" Diameter Core In Fiberglass Manhole.....	14.27	
02 41 19 13-0194	EA		Drill 5" Diameter Core In Fiberglass Manhole.....	15.57	
02 41 19 13-0195	EA		Drill 6" Diameter Core In Fiberglass Manhole.....	17.14	
02 41 19 13-0196	EA		Drill 8" Diameter Core In Fiberglass Manhole.....	19.08	

02 41 19 13-0197 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0024)

Note: Includes layout.

02 41 19 13-0198	IN		1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	0.76	
02 41 19 13-0199	IN		3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	0.79	
02 41 19 13-0200	IN		1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	0.84	
02 41 19 13-0201	IN		5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	0.90	
02 41 19 13-0202	IN		3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	0.99	
02 41 19 13-0203	IN		7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	1.07	
02 41 19 13-0204	IN		1" Diameter Drilling In Concrete Per Inch Of Depth.....	1.14	
02 41 19 13-0205	IN		1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	1.26	
02 41 19 13-0206	IN		1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	1.42	

02 41 19 13-0207 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0024)

Note: Includes layout.

02 41 19 13-0208	IN		1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	0.64	
02 41 19 13-0209	IN		3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	0.67	
02 41 19 13-0210	IN		1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	0.72	
02 41 19 13-0211	IN		5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	0.78	
02 41 19 13-0212	IN		3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	0.84	
02 41 19 13-0213	IN		7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	0.91	
02 41 19 13-0214	IN		1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	0.97	
02 41 19 13-0215	IN		1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.07	
02 41 19 13-0216	IN		1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.21	

02 41 19 13-0217 Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0024)

Note: Includes layout.

02 41 19 13-0218	IN		1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.30	
02 41 19 13-0219	IN		3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.31	
02 41 19 13-0220	IN		1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.33	
02 41 19 13-0221	IN		5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.36	
02 41 19 13-0222	IN		3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.40	
02 41 19 13-0223	IN		7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.42	
02 41 19 13-0224	IN		1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.44	
02 41 19 13-0225	IN		1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.51	
02 41 19 13-0226	IN		1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.56	

02 41 19 13-0227 Limestone Core Drilling (02 41 19 13-0024)

02 41 19 13-0228 10" To 14" Thick Limestone Core Drilling (02 41 19 13-0227)

02 41 19 13-0229	EA		Drill 1" Diameter Core In 10" To 14" Limestone.....	29.13	
02 41 19 13-0230	EA		Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	35.49	
02 41 19 13-0231	EA		Drill 2" Diameter Core In 10" To 14" Limestone.....	39.47	
02 41 19 13-0232	EA		Drill 3" Diameter Core In 10" To 14" Limestone.....	47.45	
02 41 19 13-0233	EA		Drill 4" Diameter Core In 10" To 14" Limestone.....	55.77	
02 41 19 13-0234	EA		Drill 6" Diameter Core In 10" To 14" Limestone.....	76.02	
02 41 19 13-0235	EA		Drill 8" Diameter Core In 10" To 14" Limestone.....	120.97	

02 41 19 13-0236 15" To 18" Thick Limestone Core Drilling (02 41 19 13-0227)

02 41 19 13-0237	EA		Drill 1" Diameter Core In 15" To 18" Limestone.....	32.60	
02 41 19 13-0238	EA		Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	39.31	
02 41 19 13-0239	EA		Drill 2" Diameter Core In 15" To 18" Limestone.....	43.64	
02 41 19 13-0240	EA		Drill 3" Diameter Core In 15" To 18" Limestone.....	49.92	
02 41 19 13-0241	EA		Drill 4" Diameter Core In 15" To 18" Limestone.....	66.07	
02 41 19 13-0242	EA		Drill 6" Diameter Core In 15" To 18" Limestone.....	84.61	
02 41 19 13-0243	EA		Drill 8" Diameter Core In 15" To 18" Limestone.....	130.96	

02 41 19 13-0244 19" To 24" Thick Limestone Core Drilling (02 41 19 13-0227)

02 41 19 13-0245	EA		Drill 1" Diameter Core In 19" To 24" Limestone.....	35.93	
02 41 19 13-0246	EA		Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	42.95	
02 41 19 13-0247	EA		Drill 2" Diameter Core In 19" To 24" Limestone.....	47.56	
02 41 19 13-0248	EA		Drill 3" Diameter Core In 19" To 24" Limestone.....	56.80	
02 41 19 13-0249	EA		Drill 4" Diameter Core In 19" To 24" Limestone.....	78.37	
02 41 19 13-0250	EA		Drill 6" Diameter Core In 19" To 24" Limestone.....	97.55	
02 41 19 13-0251	EA		Drill 8" Diameter Core In 19" To 24" Limestone.....	142.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0252 Minimum Charge For Core Drilling (02 41 19 13-0024)		
02 41 19 13-0253 EA Core Drill Minimum Charge.....		371.74
Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".		
02 41 19 13-0254 Cutouts (02 41 19 13)		
Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0255 Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0254)		
02 41 19 13-0256 SF 4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	15.79	
02 41 19 13-0257 SF 6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	16.75	
02 41 19 13-0258 SF 8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	17.70	
02 41 19 13-0259 SF 10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	18.66	
02 41 19 13-0260 SF 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	19.14	
02 41 19 13-0261 Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0254)		
Note: Includes cutting and removing steel decking.		
02 41 19 13-0262 SF 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	19.24	
02 41 19 13-0263 SF 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	20.41	
02 41 19 13-0264 SF 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	21.58	
02 41 19 13-0265 SF 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	22.74	
02 41 19 13-0266 SF 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	23.33	
02 41 19 13-0267 Reinforced Concrete Wall Cutouts (02 41 19 13-0254)		
02 41 19 13-0268 SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF	19.74	
02 41 19 13-0269 SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF	20.93	
02 41 19 13-0270 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF	22.12	
02 41 19 13-0271 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF	23.33	
02 41 19 13-0272 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF	23.92	
02 41 19 13-0273 Brick Wall Cutouts (02 41 19 13-0254)		
Note: Excludes toothing.		
02 41 19 13-0274 SF 4" Thick Brick Wall Cutouts, <24 SF	5.98	
02 41 19 13-0275 SF 6" Thick Brick Wall Cutouts, <24 SF	9.87	
02 41 19 13-0276 SF 8" Thick Brick Wall Cutouts, <24 SF	13.74	
02 41 19 13-0277 SF 10" Thick Brick Wall Cutouts, <24 SF	16.75	
02 41 19 13-0278 SF 12" Thick Brick Wall Cutouts, <24 SF	20.04	
02 41 19 13-0279 SF 16" Thick Brick Wall Cutouts, <24 SF	23.62	
02 41 19 13-0280 Concrete Block Wall Cutouts (02 41 19 13-0254)		
Note: Excludes toothing.		
02 41 19 13-0281 SF 4" Thick Concrete Block Wall Cutouts, <24 SF	9.89	
02 41 19 13-0282 SF 6" Thick Concrete Block Wall Cutouts, <24 SF	10.47	
02 41 19 13-0283 SF 8" Thick Concrete Block Wall Cutouts, <24 SF	11.06	
02 41 19 13-0284 SF 10" Thick Concrete Block Wall Cutouts, <24 SF	11.66	
02 41 19 13-0285 SF 12" Thick Concrete Block Wall Cutouts, <24 SF	11.96	
02 41 19 13-0286 SF 16" Thick Concrete Block Wall Cutouts, <24 SF	12.56	
02 41 19 13-0287 Limestone Cutouts (02 41 19 13-0254)		
02 41 19 13-0288 SF 2" Thick Limestone Cutouts, <24 SF	16.75	
02 41 19 13-0289 SF 4" Thick Limestone Cutouts, <24 SF	20.33	
02 41 19 13-0290 SF 6" Thick Limestone Cutouts, <24 SF	21.53	
02 41 19 13-0291 SF 8" Thick Limestone Cutouts, <24 SF	22.73	
02 41 19 13-0292 SF 10" Thick Limestone Cutouts, <24 SF	23.92	
02 41 19 13-0293 SF 12" Thick Limestone Cutouts, <24 SF	25.12	
02 41 19 13-0294 Toothng Masonry Cutouts (02 41 19 13-0254)		
Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0295 VLF Brick, Soft Old Mortar, Toothing Masonry Cutouts.....	5.98	
02 41 19 13-0296 VLF Brick, Hard Mortar, Toothing Masonry Cutouts.....	8.07	
02 41 19 13-0297 VLF Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	3.59	
02 41 19 13-0298 VLF Concrete Block, Hard Mortar, Toothing Masonry Cutouts	4.78	
02 41 19 13-0299 Minimum Charge For Cutouts (02 41 19 13-0254)		
Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0300 EA Cutouts Minimum Charge		119.60
02 41 19 13-0301 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0302 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0301)		
02 41 19 13-0303 VLF 8" x 8" Masonry Column Removal	4.48	
02 41 19 13-0304 VLF 10" x 10" Masonry Column Removal	7.00	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 41 19 13-0305	VLF	12" x 12" Masonry Column Removal	8.98
02 41 19 13-0306	VLF	14" x 14" Masonry Column Removal	11.23
02 41 19 13-0307	VLF	16" x 16" Masonry Column Removal	13.80
02 41 19 13-0308	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	7.75
02 41 19 13-0309		Masonry Chimney Removal (02 41 19 13-0301)	
02 41 19 13-0310	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	9.10
02 41 19 13-0311	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	6.82
02 41 19 13-0312	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	5.22
02 41 19 13-0313	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	3.62
02 41 19 13-0314		Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0301)	
		Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0315	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	8.04
02 41 19 13-0316	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	11.39
02 41 19 13-0317	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	20.60
02 41 19 13-0318		Facade Removal (02 41 19 13-0301)	
		Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0319	SF	Stone Or Brick Veneer Facade Removal	1.70
		For Cleaning and Storage For Reuse, Add	1.28
02 41 19 13-0320		Exterior Masonry Removal (02 41 19 13-0301)	
		Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 19 13-0321	SF	Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall	1.50
02 41 19 13-0322	SF	Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall	1.69
02 41 19 13-0323	SF	Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall	2.05
02 41 19 13-0324	SF	Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall	2.24
02 41 19 13-0325	SF	Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall	2.45
02 41 19 13-0326	SF	Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall	3.08
02 41 19 13-0327	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	1.78
02 41 19 13-0328	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall	2.03
02 41 19 13-0329	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall	2.45
02 41 19 13-0330	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall	2.69
02 41 19 13-0331	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall	2.95
02 41 19 13-0332	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall	3.69
02 41 19 13-0333	SF	Demolish 4" Thick Brick Exterior Wall	1.50
		For Cleaning and Storage For Reuse, Add	1.13
02 41 19 13-0334	SF	Demolish 6" Thick Brick Exterior Wall	1.69
		For Cleaning and Storage For Reuse, Add	1.27
02 41 19 13-0335	SF	Demolish 8" Thick Brick Exterior Wall	2.05
		For Cleaning and Storage For Reuse, Add	1.54
02 41 19 13-0336	SF	Demolish 10" Thick Brick Exterior Wall	2.24
		For Cleaning and Storage For Reuse, Add	1.68
02 41 19 13-0337	SF	Demolish 12" Thick Brick Exterior Wall	2.45
		For Cleaning and Storage For Reuse, Add	1.84
02 41 19 13-0338	SF	Demolish 16" Thick Brick Exterior Wall	3.08
		For Cleaning and Storage For Reuse, Add	2.31
02 41 19 13-0339	CF	Exterior Brick, Concrete Block Or Composite Removal	4.37
		For Cleaning and Storage For Reuse, Add	3.28
02 41 19 13-0340		Roofing Removal (02 41 19 13)	
02 41 19 13-0341		Clay Tile Roof Remove And Salvage For Re-use (02 41 19 13-0340)	
		Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.	
02 41 19 13-0342	SQ	Removal Of Clay Roof Tile, Salvage For Re-use	86.70
02 41 19 13-0343		Elevated Concrete Removal (02 41 19 13)	
02 41 19 13-0344	CF	Elevated Concrete Beam/Slab/Steps Removal, Reinforced	4.01
02 41 19 16		Selective Interior Demolition (02 41 19)	
		Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.	
02 41 19 16-0001		Floor Removal (02 41 19 16)	
02 41 19 16-0002		Remove And Salvage For Re-Use (02 41 19 16-0001)	
		Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.	
02 41 19 16-0003	SF	Removal Of Brick Flooring And Salvage	0.79
02 41 19 16-0004	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage.....	0.79
02 41 19 16-0005	SF	Removal Of Terrazzo Flooring And Salvage.....	1.09
02 41 19 16-0006	SF	Removal Of Wood Strip Flooring And Salvage	0.64
02 41 19 16-0007	SF	Removal Of Wood Parquet Flooring And Salvage	0.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0008 SF Removal Of Resilient/Linoleum Flooring And Salvage		0.24
02 41 19 16-0009 Scarify Concrete (02 41 19 16-0001) Note: Up to 1/4" removal per pass.		
02 41 19 16-0010 SF Scarify Concrete Floor		0.10
02 41 19 16-0011 SF Scarify Concrete Tread And Riser		0.79
02 41 19 16-0012 SF Scarify Concrete Wall		0.72
02 41 19 16-0013 Fireproofing Removal (02 41 19 16)		
02 41 19 16-0014 SF Removal Of Fireproofing From Concrete Or Steel		0.37
02 41 19 16-0015 Demolish Ceiling (02 41 19 16)		
02 41 19 16-0016 SF Demolish Drywall Ceiling		0.28
02 41 19 16-0017 SF Demolish Furred Plastered Ceiling		0.67
02 41 19 16-0018 SF Demolish Suspended Plastered Ceiling And Suspension System		0.51
02 41 19 16-0019 Demolish Concrete Stair (02 41 19 16)		
02 41 19 16-0020 CF Demolish Interior Reinforced Concrete Stairs		2.45
02 41 19 16-0021 CF Demolish Exterior Reinforced Concrete Stairs		2.52
02 41 19 16-0022 Demolish Interior Partition/Wall (02 41 19 16) Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0023 Demolish Masonry And Concrete Interior Partition/Walls (02 41 19 16-0022) Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0024 Demolish Concrete Block Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0025 SF Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall		1.60
02 41 19 16-0026 SF Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall		1.70
02 41 19 16-0027 SF Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall		1.91
02 41 19 16-0028 SF Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall		2.46
02 41 19 16-0029 SF Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall		3.08
02 41 19 16-0030 SF Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall		1.91
02 41 19 16-0031 SF Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall		2.04
02 41 19 16-0032 SF Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall		2.31
02 41 19 16-0033 SF Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall		2.95
02 41 19 16-0034 SF Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall		3.69
02 41 19 16-0035 Demolish Brick Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0036 SF Demolish 4" Thick Brick Interior Partition/Wall		1.60
02 41 19 16-0037 SF Demolish 8" Thick Brick Interior Partition/Wall		1.91
02 41 19 16-0038 SF Demolish 12" Thick Brick Interior Partition/Wall		2.45
02 41 19 16-0039 SF Demolish 16" Thick Brick Interior Partition/Wall		3.08
02 41 19 16-0040 Demolish Glass Block Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0041 SF Demolish Glass Block Interior Partition/Walls		1.36
02 41 19 16-0042 Demolish Concrete Interior Partition/Walls (02 41 19 16-0023) See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0043 SF Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall		2.90
02 41 19 16-0044 SF Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall		3.62
02 41 19 16-0045 SF Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall		5.07
02 41 19 16-0046 SF Demolish 6" Thick Reinforced Concrete Interior Partition/Wall		3.47
02 41 19 16-0047 SF Demolish 8" Thick Reinforced Concrete Interior Partition/Wall		4.37
02 41 19 16-0048 SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall		6.08
02 41 19 16-0049 Demolish Terra-Cotta Block Interior Partition/Walls (02 41 19 16-0023)		
02 41 19 16-0050 SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster		0.55
02 41 19 16-0051 Demolish Stud Framed Interior Partition/Walls (02 41 19 16-0022) Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0052 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side		0.95
For Heights >14' To 20', Add		0.14
For Heights >20', Add		0.19
02 41 19 16-0053 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides		1.10
For Heights >14' To 20', Add		0.17
For Heights >20', Add		0.22
02 41 19 16-0054 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side		1.22
For Heights >14' To 20', Add		0.18
For Heights >20', Add		0.24
02 41 19 16-0055 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides		1.69
For Heights >14' To 20', Add		0.25
For Heights >20', Add		0.34



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 16-0056	SF		Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall.....	0.50	
			For Heights >14' To 20'; Add	0.08	
			For Heights >20'; Add	0.10	
02 41 19 16-0057	SF		Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall.....	0.59	
			For Heights >14' To 20'; Add	0.09	
			For Heights >20'; Add	0.12	

02 43 Structure Moving (02 40)**02 43 13 Structure Relocation** (02 43)

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 00-0001			Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete (02 43 13)		
			Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.		
02 43 13 00-0002	SF		Up To 800 SF, Move Relocatable Metal Frame Building.....	13.03	
02 43 13 00-0003	SF		>800 To 920 SF, Move Relocatable Metal Frame Building.....	12.32	
02 43 13 00-0004	SF		>920 SF, Move Relocatable Metal Frame Building.....	11.52	
02 43 13 00-0005	SF		Up To 800 SF, Move Relocatable Wood Frame Building.....	10.46	
02 43 13 00-0006	SF		>800 To 920 SF, Move Relocatable Wood Frame Building.....	9.77	
02 43 13 00-0007	SF		>920 SF, Move Relocatable Wood Frame Building.....	8.64	
02 43 13 00-0008	SF		Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....	12.66	
02 43 13 00-0009	SF		>800 To 920 SF, Move Relocatable Wood/Metal Frame Building.....	11.52	
02 43 13 00-0010	SF		>920 SF, Move Relocatable Wood/Metal Frame Building.....	9.77	

02 60 Contaminated Site Material Removal (02)**02 61 Removal And Disposal Of Contaminated Soils** (02 60)**02 61 13 Excavation And Handling Of Contaminated Material** (02 61)

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001			Excavation Of Non-Petroleum Contaminated Soil (02 61 13)		
			See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.		
02 61 13 00-0002			Excavate Petroleum Contaminated Soil (02 61 13 00-0001)		
02 61 13 00-0003	CY		Excavate Petroleum Contaminated Soil.....	6.18	
			Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.		
02 61 13 00-0004	CY		Load Excavated Petroleum Contaminated Soil.....	3.91	
02 61 13 00-0005	CY		Disposal Fees Of Petroleum Contaminated Soil.....	100.25	
02 61 13 00-0006			Accessories For Contaminated Soil Stockpile (02 61 13)		
			See CSI section 31 25 14 23-0001 for sand bags.		
02 61 13 00-0007	SF		30 Mil Liner For Contaminated Soil Storage.....	0.63	
			Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.		
02 61 13 00-0008	SF		10 Mil Liner For Contaminated Soil Storage.....	0.36	
			Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.		

02 65 Underground Storage Tank Removal (02 60)

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0028 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001			Monitoring, Sampling, Testing And Analysis (02 65)		
02 65 00 00-0002			Field Samples For Testing (02 65 00 00-0001)		
02 65 00 00-0003	EA		Collection Of Sludge Sample.....	17.03	
02 65 00 00-0004	EA		Collection Of Pumpable Liquids Sample.....	17.03	
02 65 00 00-0005	EA		Collection Of Contaminated Soil Sample.....	17.03	
02 65 00 00-0006			Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001)		
			Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0007	EA		Lab Test - Benzene, Toluene, Ethylbenzene, Xylene 8020.....	111.06	
			Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.		
02 65 00 00-0008	EA		Lab Test - Flashpoint.....	43.19	
			Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.		
02 65 00 00-0009	EA		Lab Test - TOX 9020.....	103.90	
			Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.		
02 65 00 00-0010	EA		Lab Test - TPH 8015 Modified.....	111.06	
			Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.		
02 65 00 00-0011	EA		Lab Test - TRPH 418.1.....	86.38	
			Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.		
02 65 00 00-0012	EA		Lab Test - VOC.....	234.46	
			Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0013 EA Lab Test - Semi-Volatile Organic.....	431.90	
Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.		
02 65 00 00-0014 EA Lab Test - Oil And Grease 413.1.....	51.95	
Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.		
02 65 00 00-0015 EA Lab Test - TCLP (Extraction) - Metals.....	92.55	
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0016 EA Lab Test - TCLP (Extraction) - Semi-Volatile Organic.....	123.40	
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0017 EA Lab Test - Metals 6010 RCRA.....	138.21	
Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.		
02 65 00 00-0018 EA Lab Test - Metals (Arsenic) 7060.....	18.51	
Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.		
02 65 00 00-0019 EA Lab Test - Metals (Selenium) 7740.....	18.51	
Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.		
02 65 00 00-0020 EA Lab Test - Metals (Lead) 7421.....	18.51	
Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.		
02 65 00 00-0021 EA Lab Test - Metals (Mercury) 7470.....	34.55	
Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.		
02 65 00 00-0022 EA Lab Test - PNA/PAH 8100.....	197.44	
Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.		
02 65 00 00-0023 EA Lab Test - Fuel Id ASTM D3328-78.....	71.43	
Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.		
02 65 00 00-0024 EA Lab Test - pH.....	14.81	
02 65 00 00-0025 EA Lab Test - PCBs In Wastewater.....	185.10	
02 65 00 00-0026 EA Lab Test - Methyl Tertiary Butyl Ether (MTBE).....	111.06	
02 65 00 00-0027 Tests, Surveys And Maintenance (02 65 00 00-0001)		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer.....	781.67	
Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.		
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems.....	127.62	
Note: By Certified Technician. Write report of findings for action if needed		
02 65 00 00-0030 EA Check And Report On Monitor Probes.....	29.92	
Note: By Certified Technician		
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report.....	215.29	
Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.		
02 65 00 00-0032 EA Replace Anode On Impressed System.....	84.07	
02 65 00 00-0033 EA Replace Power Converter On Impressed System.....	122.10	
02 65 00 00-0034 EA Replace Monitor Probes.....	182.03	
02 65 00 00-0035 EA Ultrasonic Test.....	73.84	
02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)		
02 65 00 00-0037 HR Certified Tank Installer.....	87.71	
02 65 00 00-0038 HR Certified Geologist/Environmentalist.....	87.71	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA.....	72.88	
Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.		
02 65 00 00-0040 Remove Tank Contents (02 65)		
02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040)		
Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank.....	0.34	
Note: Per gallon of material transferred.		
02 65 00 00-0043 Remove And Dispose Of Liquid From Tank (02 65 00 00-0040)		
02 65 00 00-0044 GAL Removal and Disposal Of Hazardous Liquids From Tank.....	1.57	
02 65 00 00-0045 GAL Removal and Disposal Of Non Hazardous Liquid From Tank.....	0.95	
02 65 00 00-0046 Remove And Dispose Of Solids Or Sludge (02 65 00 00-0040)		
Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Removal and Disposal Of Hazardous Solids Or Sludge From Tank.....	3.15	
02 65 00 00-0048 GAL Removal and Disposal Of Non Hazardous Solids Or Sludge From Tank.....	0.96	
02 65 00 00-0049 Purge Vapors, Open And Clean Tank (02 65)		
02 65 00 00-0050 Purge Vapors (02 65 00 00-0049)		
02 65 00 00-0051 LB Purge Tank Using Dry Ice.....	1.77	
Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.		
02 65 00 00-0052 High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 65 00 00-0053	EA		Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	155.81	
02 65 00 00-0054	EA		>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	200.32	
02 65 00 00-0055	EA		>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	253.75	
02 65 00 00-0056	EA		>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	329.42	
02 65 00 00-0057	EA		>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	614.35	
02 65 00 00-0058	EA		>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	738.99	
02 65 00 00-0059	EA		>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	823.57	
02 65 00 00-0060	EA		>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	988.28	
02 65 00 00-0061	EA		>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,228.68	
02 65 00 00-0062	EA		>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,477.98	
02 65 00 00-0063	EA		>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,847.48	
02 65 00 00-0064	EA		>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,309.57	
02 65 00 00-0065	EA		>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,886.51	

02 65 00 00-0066 Scrape Clean Tank Exterior (02 65 00 00-0049)

02 65 00 00-0067	EA		Up To 275 Gallon Tank, Scrape Clean Tank Exterior	76.62	
02 65 00 00-0068	EA		>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	102.02	
02 65 00 00-0069	EA		>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	133.68	
02 65 00 00-0070	EA		>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	185.13	
02 65 00 00-0071	EA		>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	409.97	
02 65 00 00-0072	EA		>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	519.11	
02 65 00 00-0073	EA		>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	607.46	
02 65 00 00-0074	EA		>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	763.66	
02 65 00 00-0075	EA		>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	992.57	
02 65 00 00-0076	EA		>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	1,245.87	
02 65 00 00-0077	EA		>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	1,622.23	
02 65 00 00-0078	EA		>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	1,946.67	
02 65 00 00-0079	EA		>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	2,433.35	

02 65 00 00-0080 Tank And Piping Removal (02 65)

Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.

02 65 00 00-0081 Removal And Disposal Of Piping (02 65 00 00-0080)

Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.

02 65 00 00-0082	LF		Up To 4", Removal And Disposal Of Piping	7.32	
02 65 00 00-0083	LF		>4" To 8", Removal And Disposal Of Piping	9.76	

02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0080)

Note: Excludes excavation or backfill.

02 65 00 00-0085	EA		Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	239.40	
02 65 00 00-0086	EA		>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	290.71	
02 65 00 00-0087	EA		>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	342.01	
02 65 00 00-0088	EA		>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	427.51	
02 65 00 00-0089	EA		>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	598.51	
02 65 00 00-0090	EA		>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	752.41	
02 65 00 00-0091	EA		>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	855.02	
02 65 00 00-0092	EA		>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,026.02	
02 65 00 00-0093	EA		>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,368.03	
02 65 00 00-0094	EA		>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,639.97	
02 65 00 00-0095	EA		>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,921.70	
02 65 00 00-0096	EA		>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,248.23	
02 65 00 00-0097	EA		>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,810.28	

02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary (02 65 00 00-0080)

Note: Includes 1 lengthwise at every 4' O.C. height wise.

02 65 00 00-0099	EA		>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	404.52	
02 65 00 00-0100	EA		>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	754.36	
02 65 00 00-0101	EA		>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	907.42	
02 65 00 00-0102	EA		>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,011.28	
02 65 00 00-0103	EA		>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,213.54	
02 65 00 00-0104	EA		>10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,508.72	
02 65 00 00-0105	EA		>15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,814.85	
02 65 00 00-0106	EA		>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,268.56	
02 65 00 00-0107	EA		>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,835.70	
02 65 00 00-0108	EA		>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,544.62	

02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0080)

Note: Includes disposal fee.

02 65 00 00-0110	EA		Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	226.99	
			<i>For Each Additional Mile >15 Miles, Add</i>	<i>1.64</i>	
02 65 00 00-0111	EA		>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	324.96	
			<i>For Each Additional Mile >15 Miles, Add</i>	<i>2.07</i>	
02 65 00 00-0112	EA		>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	527.82	
			<i>For Each Additional Mile >15 Miles, Add</i>	<i>3.10</i>	



		Existing Conditions	02
		Contaminated Site Material Removal	02 60
		Underground Storage Tank Removal	02 65

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 65 00 00-0113	EA >1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	952.18	
	<i>For Each Additional Mile >15 Miles, Add</i>	3.62	
02 65 00 00-0114	EA >2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,681.51	
	<i>For Each Additional Mile >15 Miles, Add</i>	6.38	
02 65 00 00-0115	EA >5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,702.21	
	<i>For Each Additional Mile >15 Miles, Add</i>	6.90	
02 65 00 00-0116	EA >6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,736.69	
	<i>For Each Additional Mile >15 Miles, Add</i>	7.76	
02 65 00 00-0117	EA >8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,620.58	
	<i>For Each Additional Mile >15 Miles, Add</i>	10.35	
02 65 00 00-0118	EA >10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	3,446.46	
	<i>For Each Additional Mile >15 Miles, Add</i>	15.52	
02 65 00 00-0119	EA >15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	4,134.40	
	<i>For Each Additional Mile >15 Miles, Add</i>	17.24	
02 65 00 00-0120	EA >20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	5,187.33	
	<i>For Each Additional Mile >15 Miles, Add</i>	20.69	
02 65 00 00-0121	EA >30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	7,721.12	
	<i>For Each Additional Mile >15 Miles, Add</i>	24.83	
02 65 00 00-0122	EA >40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	9,484.80	
	<i>For Each Additional Mile >15 Miles, Add</i>	28.55	

02 65 00 00-0123 Other Storage Tank Removals (02 65 00 00-0080)

02 65 00 00-0124	GAL Removal Of Cement Lining.....	0.20	
02 65 00 00-0125	GAL Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....	0.07	
02 65 00 00-0126	GAL Install Epoxy For Interior Corrosion Protection	0.68	

02 65 00 00-0127 Tank Closure Report (02 65 00 00-0080)

Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.			
02 65 00 00-0128	EA Prepare Tank Closure Report.....	1,954.19	

02 65 00 00-0129 Temporary Tanks (02 65)

02 65 00 00-0130 Temporary Holding Tanks (02 65 00 00-0129)

02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0130)

02 65 00 00-0132	MO 550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental.....	513.50	
02 65 00 00-0133	MO 630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental.....	513.50	
02 65 00 00-0134	MO 630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental.....	1,027.00	
02 65 00 00-0135	MO 4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental.....	770.25	
02 65 00 00-0136	MO 4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental.....	1,797.25	
02 65 00 00-0137	MO 6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental.....	1,283.75	
02 65 00 00-0138	MO 21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental.....	2,104.38	
02 65 00 00-0139	MO 21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental.....	2,521.91	
02 65 00 00-0140	MO 21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental.....	4,258.86	

02 65 00 00-0141 Secondary Containment Berm (02 65 00 00-0129)

02 65 00 00-0142	MO Secondary Containment Berm Monthly Rental.....	1,112.58	
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02 80 Facility Remediation (02)

02 81 Transportation And Disposal Of Hazardous Materials (02 80)

02 81 00 00-0001 Hazardous Material Disposal (02 81)

02 81 00 00-0002	TON Hazardous Material Stockpiled On Site Within 25 Miles.....	32.27	
02 81 00 00-0003	TON Hazardous Material Disposal And/Or Treated Or Recycled To A Non Hazardous Designation	206.12	
	<i>For Hazardous Soil Materials Only, Deduct</i>	-82.45	
02 81 00 00-0004	TON RCRA/TSCA Regulated Waste Burial In Class I Landfill.....	404.00	
02 81 00 00-0005	TON RCRA/TSCA Regulated Waste Solidification/Stabilization	684.34	
02 81 00 00-0006	TON RCRA/TSCA Regulated Waste Incineration	1,236.75	
02 81 00 00-0007	TON Additional Costs For Stockpiles Per Mile, Greater Than 25 Miles.....	0.25	
02 81 00 00-0008	GAL Drain Hazardous (PCB) Oil Filled Equipment And Dispose In Approved Container	9.15	
	Note: Includes handling of container and disposal at approved site.		
02 81 00 00-0009	CF Hazardous (PCB) Oil Filled Equipment Disposal At Approved Site.....	61.84	
	Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.		

02 82 Asbestos Remediation (02 80)

Note: Tasks include materials, equipment (e.g. ladders, high volume vacuum with sound suppression system where required, etc.), mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, HEPA vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, fees, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there are tasks with a unit of measure of EA for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 74 19 00-0028 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 82 13 Asbestos Abatement (02 82)

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 13 00-0001	Air Monitoring And Bulk Sampling, Asbestos Testing (02 82 13)	
	Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.	
02 82 13 00-0002	HR Bulk Sampling Or Air Monitoring, Asbestos Testing.....	35.14
02 82 13 00-0003	EA 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	33.54
02 82 13 00-0004	EA Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	39.33
02 82 13 00-0005	EA Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	62.46
02 82 13 00-0006	EA 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing.....	107.57
02 82 13 00-0007	EA Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	130.71
02 82 13 00-0008	EA 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	26.60
02 82 13 00-0009	EA Next Day Turnaround, (Air) PCM Test, Asbestos Testing.....	32.39
02 82 13 00-0010	EA Same Day Turnaround, (Air) PCM Test, Asbestos Testing.....	43.95
02 82 13 00-0011	EA 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	33.54
02 82 13 00-0012	EA Next Day Turnaround, (Air Point Counting) PLM Test	39.33
02 82 13 00-0013	EA Same Day Turnaround, (Air Point Counting) PLM Test	62.46
02 82 13 00-0014	EA 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	107.57
02 82 13 00-0015	EA Next Day Turnaround, (Air) TEM Test, Asbestos Testing.....	123.77
02 82 13 00-0016	EA Same Day Turnaround, (Air) TEM Test, Asbestos Testing	172.35

02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)

02 82 33 00-0001	Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0002	Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)	
	Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.	
02 82 33 00-0003	Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0004	EA 10 To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	298.17
	<i>For Work In Restricted Working Space, Add</i>	89.45
02 82 33 00-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	15.25
	<i>For Work In Restricted Working Space, Add</i>	4.58
02 82 33 00-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	11.43
	<i>For Work In Restricted Working Space, Add</i>	3.43
02 82 33 00-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	8.57
	<i>For Work In Restricted Working Space, Add</i>	2.57
02 82 33 00-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	6.44
	<i>For Work In Restricted Working Space, Add</i>	1.93
02 82 33 00-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	5.59
	<i>For Work In Restricted Working Space, Add</i>	1.68
02 82 33 00-0010	>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0011	EA 10 To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	298.17
	<i>For Work In Restricted Working Space, Add</i>	89.45
02 82 33 00-0012	LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	17.53
	<i>For Work In Restricted Working Space, Add</i>	5.26
02 82 33 00-0013	LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	13.15
	<i>For Work In Restricted Working Space, Add</i>	3.95
02 82 33 00-0014	LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	9.86
	<i>For Work In Restricted Working Space, Add</i>	2.96
02 82 33 00-0015	LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	7.39
	<i>For Work In Restricted Working Space, Add</i>	2.22
02 82 33 00-0016	LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	6.44
	<i>For Work In Restricted Working Space, Add</i>	1.93
02 82 33 00-0017	Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.	
02 82 33 00-0018	EA Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	316.29
	<i>For Work In Restricted Working Space, Add</i>	94.89
02 82 33 00-0019	LF >3 To 20 LF Additional Glove Bag Work For Pipe Insulation	46.86
	<i>For Work In Restricted Working Space, Add</i>	14.06
02 82 33 00-0020	LF >20 To 250 LF Additional Glove Bag Work For Pipe Insulation	18.19
	<i>For Work In Restricted Working Space, Add</i>	5.46
02 82 33 00-0021	LF >250 To 500 LF Additional Glove Bag Work For Pipe Insulation	13.64
	<i>For Work In Restricted Working Space, Add</i>	4.09
02 82 33 00-0022	LF >500 LF Additional Glove Bag Work For Pipe Insulation	10.23
	<i>For Work In Restricted Working Space, Add</i>	3.07
02 82 33 00-0023	Thermal Insulation, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0024	Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 33 00-0023)	
	Note: e.g., duct, boiler, tank, etc.	
02 82 33 00-0025	EA Up To 10 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	298.17
02 82 33 00-0026	SF >10 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	15.25
02 82 33 00-0027	SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	12.01
02 82 33 00-0028	SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	9.00
02 82 33 00-0029	SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	6.75



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 82 33 00-0030			Surfacing Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0031			Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0030)		
			Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0032	EA		Up To 10 SF, Fireproofing, Asbestos Abatement And Disposal	298.17	
02 82 33 00-0033	SF		>10 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	18.30	
02 82 33 00-0034	SF		>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	13.72	
02 82 33 00-0035	SF		>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	10.29	
02 82 33 00-0036	SF		>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	7.72	

02 82 33 00-0037			Acoustical Plaster, Asbestos Abatement And Disposal (02 82 33 00-0030)		
			Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0038	EA		Up To 10 SF, Acoustical Plaster, Asbestos Abatement And Disposal	298.17	
02 82 33 00-0039	SF		>10 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	7.64	
02 82 33 00-0040	SF		>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	5.77	
02 82 33 00-0041	SF		>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	4.29	
02 82 33 00-0042	SF		>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	3.17	

02 82 33 00-0043			Gypsum Wall Board, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0044	EA		Up To 10 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	298.17	
02 82 33 00-0045	SF		>10 To 500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	5.87	
02 82 33 00-0046	SF		>500 To 2,500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	4.29	
02 82 33 00-0047	SF		>2,500 To 10,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	3.35	
02 82 33 00-0048	SF		>10,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	2.61	

02 82 33 00-0049			Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0050	EA		Up To 10 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	298.17	
02 82 33 00-0051	SF		>10 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	11.14	
02 82 33 00-0052	SF		>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	8.16	
02 82 33 00-0053	SF		>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	6.37	
02 82 33 00-0054	SF		>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	4.96	
02 82 33 00-0055	SF		>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	3.54	

02 82 33 00-0056			Stucco, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0057	EA		Up To 10 SF, Stucco, Asbestos Abatement And Disposal	298.17	
02 82 33 00-0058	SF		>10 To 500 SF, Stucco, Asbestos Abatement And Disposal	12.96	
02 82 33 00-0059	SF		>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	9.72	
02 82 33 00-0060	SF		>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	7.29	
02 82 33 00-0061	SF		>10,000 SF, Stucco, Asbestos Abatement And Disposal	5.47	

02 82 33 00-0062			Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0063	EA		Up To 10 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	298.17	
02 82 33 00-0064	SF		>10 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	4.97	
02 82 33 00-0065	SF		>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	3.72	
02 82 33 00-0066	SF		>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	2.80	
02 82 33 00-0067	SF		>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	2.09	

02 82 33 00-0068			Plywood, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0069	EA		Up To 10 SF, Plywood, Asbestos Abatement And Disposal	298.17	
02 82 33 00-0070	SF		>10 To 500 SF, Plywood, Asbestos Abatement And Disposal	6.34	
02 82 33 00-0071	SF		>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	3.05	
02 82 33 00-0072	SF		>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	2.06	
02 82 33 00-0073	SF		>10,000 SF, Plywood, Asbestos Abatement And Disposal	1.76	

02 82 33 00-0074			Flooring Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0075			Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0074)		
02 82 33 00-0076			Floor Tile Or Linoleum, Asbestos Abatement And Disposal (02 82 33 00-0075)		
			Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0077	EA		Up To 10 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	298.17	
02 82 33 00-0078	SF		>10 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	3.05	
			For Each Additional Layer, Add	0.76	
02 82 33 00-0079	SF		>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	2.48	
			For Each Additional Layer, Add	0.62	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR
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02 82 33 00-0080	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	1.96
		For Each Additional Layer, Add.....	0.49
02 82 33 00-0081	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	1.33
		For Each Additional Layer, Add.....	0.33
02 82 33 00-0082		Carpet, Asbestos Abatement And Disposal (02 82 33 00-0075)	
02 82 33 00-0083	EA	Up To 10 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	298.17
02 82 33 00-0084	SF	>10 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	2.30
02 82 33 00-0085	SF	>500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	1.84
02 82 33 00-0086	SF	>2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	1.32
02 82 33 00-0087	SF	>10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	0.99
02 82 33 00-0088		Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0075)	
		Note: Up to 12".	
02 82 33 00-0089	EA	Up To 10 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	111.82
02 82 33 00-0090	LF	>10 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.99
02 82 33 00-0091	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.19
02 82 33 00-0092	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	0.74
02 82 33 00-0093	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	0.52
02 82 33 00-0094		Mastic, Asbestos Abatement And Disposal (02 82 33 00-0074)	
		Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.	
02 82 33 00-0095	EA	Up To 10 SF, Mastic, Asbestos Abatement And Disposal.....	298.17
		Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0096	SF	>10 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	0.76
		Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0097	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	0.56
		Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0098	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal.....	0.43
		Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0099	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal.....	0.35
		Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0100		Roofing, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0101		Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0100)	
		Note: Includes paint, flashing, sheet metal, insulation, pitch pockets, board etc.	
02 82 33 00-0102		Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0101)	
02 82 33 00-0103	EA	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	298.17
02 82 33 00-0104	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.39
02 82 33 00-0105	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.90
02 82 33 00-0106	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.53
02 82 33 00-0107	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.15
02 82 33 00-0108	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	0.86
02 82 33 00-0109		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0101)	
02 82 33 00-0110	EA	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	298.17
02 82 33 00-0111	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.71
02 82 33 00-0112	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.16
02 82 33 00-0113	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.74
02 82 33 00-0114	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.31
02 82 33 00-0115	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	0.98
02 82 33 00-0116		>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0101)	
02 82 33 00-0117	EA	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	298.17
02 82 33 00-0118	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.02
02 82 33 00-0119	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.40
02 82 33 00-0120	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.94
02 82 33 00-0121	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.45
02 82 33 00-0122	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.08
02 82 33 00-0123		Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0100)	
02 82 33 00-0124		Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0123)	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0125 EA Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal 298.17 Note: Single or first of multiple layers.	298.17	
02 82 33 00-0126 SF >125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... 2.39 Note: Single or first of multiple layers.	2.39	
For Each Additional Layer, Add	0.60	
02 82 33 00-0127 SF >1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... 1.90 Note: Single or first of multiple layers.	1.90	
For Each Additional Layer, Add	0.48	
02 82 33 00-0128 SF >5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... 1.53 Note: Single or first of multiple layers.	1.53	
For Each Additional Layer, Add	0.38	
02 82 33 00-0129 SF >10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... 1.15 Note: Single or first of multiple layers.	1.15	
For Each Additional Layer, Add	0.29	
02 82 33 00-0130 SF >20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... 0.86 Note: Single or first of multiple layers.	0.86	
For Each Additional Layer, Add	0.22	
02 82 33 00-0131 Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0132 Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0131)		
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0133 EA Up To 10 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal 298.17 Note: Includes detachment of mounted objects before removal.	298.17	
02 82 33 00-0134 SF >10 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... 3.05 Note: Includes detachment of mounted objects before removal.	3.05	
02 82 33 00-0135 SF >500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal 1.53 Note: Includes detachment of mounted objects before removal.	1.53	
02 82 33 00-0136 SF >2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... 1.22 Note: Includes detachment of mounted objects before removal.	1.22	
02 82 33 00-0137 SF >10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal 1.06 Note: Includes detachment of mounted objects before removal.	1.06	
02 82 33 00-0138 Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0131)		
02 82 33 00-0139 EA Up To 10 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal 298.17	298.17	
02 82 33 00-0140 SF >10 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal..... 2.64	2.64	
02 82 33 00-0141 SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal..... 1.35	1.35	
02 82 33 00-0142 SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal..... 1.08	1.08	
02 82 33 00-0143 SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal..... 0.94	0.94	
02 82 33 00-0144 Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0131)		
02 82 33 00-0145 EA Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal..... 298.17	298.17	
02 82 33 00-0146 LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal 15.25	15.25	
02 82 33 00-0147 LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal 11.43	11.43	
02 82 33 00-0148 LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal 8.57	8.57	
02 82 33 00-0149 LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal 6.44	6.44	
02 82 33 00-0150 LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal 4.83	4.83	
02 82 33 00-0151 LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal..... 4.71	4.71	
02 82 33 00-0152 Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0131)		
02 82 33 00-0153 EA Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal 298.17 Note: Single or first of multiple layers.	298.17	
02 82 33 00-0154 SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... 2.39 Note: Single or first of multiple layers.	2.39	
02 82 33 00-0155 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... 1.90 Note: Single or first of multiple layers.	1.90	
02 82 33 00-0156 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... 1.53 Note: Single or first of multiple layers.	1.53	
02 82 33 00-0157 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... 1.15 Note: Single or first of multiple layers.	1.15	
02 82 33 00-0158 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... 0.86 Note: Single or first of multiple layers.	0.86	
02 82 33 00-0159 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0160 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0159)		
02 82 33 00-0161 EA Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal 298.17 For Work In Restricted Working Space, Add	298.17 89.45	
02 82 33 00-0162 CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal 29.65 For Work In Restricted Working Space, Add	29.65 8.90	
02 82 33 00-0163 CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... 19.76 For Work In Restricted Working Space, Add	19.76 5.93	
02 82 33 00-0164 CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... 14.84 For Work In Restricted Working Space, Add	14.84 4.45	
02 82 33 00-0165 CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... 11.86 For Work In Restricted Working Space, Add	11.86 3.56	
02 82 33 00-0166 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... 10.08 For Work In Restricted Working Space, Add	10.08 3.02	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR
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02 82 33 00-0167	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	9.07 2.72
02 82 33 00-0168		Other Asbestos Containing Materials, Asbestos Abatement And Disposal (02 82 33 00-0168)	
02 82 33 00-0169		30" To 36" Fire Door, Asbestos Abatement And Disposal (02 82 33 00-0168)	
02 82 33 00-0170	EA	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	298.17
02 82 33 00-0171	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	53.67
02 82 33 00-0172	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	48.31
02 82 33 00-0173		HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal (02 82 33 00-0168)	
02 82 33 00-0174	EA	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	149.09
02 82 33 00-0175	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.05
02 82 33 00-0176	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.28
02 82 33 00-0177	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	1.97
02 82 33 00-0178	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	1.69
02 82 33 00-0179	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	1.45
02 82 33 00-0180	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	1.25
02 82 33 00-0181		Grout, Asbestos Abatement And Disposal (02 82 33 00-0168) Note: e.g. flue grout.	
02 82 33 00-0182	EA	Up To 10 LF, Grout, Asbestos Abatement And Disposal	111.82
02 82 33 00-0183	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal.....	5.87
02 82 33 00-0184	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal.....	4.04
02 82 33 00-0185	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal.....	3.47
02 82 33 00-0186	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal.....	2.97
02 82 33 00-0187	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal.....	2.57
02 82 33 00-0188	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal.....	2.19
02 82 33 00-0189		Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0168) Note: e.g. rope, web cloth, flat.	
02 82 33 00-0190	EA	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	111.82
02 82 33 00-0191	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	7.91
02 82 33 00-0192	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	5.93
02 82 33 00-0193	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	5.05
02 82 33 00-0194	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	4.55
02 82 33 00-0195	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	4.08
02 82 33 00-0196	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	3.88
02 82 33 00-0197		Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal (02 82 33 00-0168) Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.	
02 82 33 00-0198	EA	Up To 50 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	298.17
02 82 33 00-0199	SF	>50 To 1,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	6.34
02 82 33 00-0200	SF	>1,000 To 2,500 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	3.05
02 82 33 00-0201	SF	>2,500 To 10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	2.06
02 82 33 00-0202	SF	>10,000 To 25,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	1.76
02 82 33 00-0203	SF	>25,000 To 50,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	1.51
02 82 33 00-0204		Caulking, Asbestos Abatement And Disposal (02 82 33 00-0168)	
02 82 33 00-0205		Non Friable Caulking, Asbestos Abatement And Disposal (02 82 33 00-0204)	
02 82 33 00-0206	EA	Up To 10 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	111.82
02 82 33 00-0207	LF	>10 To 50 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	4.40
02 82 33 00-0208	LF	>50 To 100 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	3.11
02 82 33 00-0209	LF	>100 To 250 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	2.31
02 82 33 00-0210	LF	>250 To 1,000 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	1.73
02 82 33 00-0211	LF	>1,000 To 2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	1.37
02 82 33 00-0212	LF	>2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	1.19

02 83 Lead Remediation (02 80)

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 74 19 00-0028 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation (02 83)**02 83 19 13 Lead-Based Paint Abatement** (02 83 19)**02 83 19 13-0001 Sampling And Testing** (02 83 19 13)

Note: Includes taking sample, delivery to lab and lab fee.

02 83 19 13-0002	EA	X-Ray Fluorescence (XRF) Lead Testing Including Technician, 3 Readings Per Surface.....	39.88
02 83 19 13-0003	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (5 Day Turnaround) And Lab Fee.....	38.17
02 83 19 13-0004	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (48 Hour Turnaround) And Lab Fee	57.84



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Includes items like Toxicity Characteristic Leaching Procedure (TCLP) Lead Test, Chemical Stripping Of Lead Contaminated Material, and Demolish Lead Contaminated Material.

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 83 19 13-0078	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.34
02 83 19 13-0079	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	0.53
02 83 19 13-0080	SF	Demolish Gypsum Board, Lead Contaminated Material	0.43
02 83 19 13-0081	EA	Demolish Up To 2' x 4' Light Fixtures, Lead Contaminated Material	25.52
02 83 19 13-0082	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	33.86
02 83 19 13-0083	SF	Demolish Non Load Bearing Partitions, Plaster, Lath And Studs, Lead Contaminated Material	3.78
02 83 19 13-0084	SF	Demolish Non Load Bearing Partitions, Gypsum Board And Studs, Lead Contaminated Material	2.11
02 83 19 13-0085	SF	Removal Of Lead Paint On Brick Or Concrete Block, Lead Contaminated Material	2.32
02 83 19 13-0086	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	1.83
02 83 19 13-0087	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	2.45
02 83 19 13-0088	SF	Demolish Balustrades And Railings, Lead Contaminated Material	2.65
02 83 19 13-0089	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	0.69
02 83 19 13-0090	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	0.87
02 83 19 13-0091	LF	Demolish Base Shoe Molding, Lead Contaminated Material	0.56
02 83 19 13-0092	SF	Demolish Brick, Lead Contaminated Material	1.59
02 83 19 13-0093	SF	Demolish Concrete Block, Lead Contaminated Material	2.05
02 83 19 13-0094	SF	Demolish Concrete, Lead Contaminated Material	5.27
02 83 19 13-0095	LF	Demolish Cabinets, Lead Contaminated Material	12.27
02 83 19 13-0096	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	0.69
02 83 19 13-0097	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	6.79
02 83 19 13-0098	SF	Demolish Cornice, Lead Contaminated Material	0.90
02 83 19 13-0099	EA	Demolish Doors, Lead Contaminated Material	26.60
02 83 19 13-0100	LF	Demolish Door And Window Trim Or Frames, Lead Contaminated Material	0.81
02 83 19 13-0101	EA	Demolish Electrical Devices, Lead Contaminated Material	8.16
02 83 19 13-0102	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	1.05
02 83 19 13-0103	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	1.74
02 83 19 13-0104	SF	Demolish Fence, Picket, Lead Contaminated Material	1.01
02 83 19 13-0105	SF	Demolish Wood Floors, Lead Contaminated Material	1.26
02 83 19 13-0106	SF	Demolish Grilles, Lead Contaminated Material	1.48
02 83 19 13-0107	EA	Demolish Hinges, Lead Contaminated Material	2.97
02 83 19 13-0108	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	6.37
02 83 19 13-0109	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	2.62
02 83 19 13-0110	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	3.81
02 83 19 13-0111	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	5.76
02 83 19 13-0112	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	10.62
02 83 19 13-0113	EA	Demolish Radiators, Lead Contaminated Material	45.91
02 83 19 13-0114	EA	Demolish Shutters And Louvered, Up To 6', Lead Contaminated Material	17.90
02 83 19 13-0115	SF	Demolish Siding, Lead Contaminated Material	0.71
02 83 19 13-0116	SF	Demolish Up To 12" Wide Soffit, Lead Contaminated Material	0.60
02 83 19 13-0117	SF	Demolish Steel, Flat Surfaces And Tanks Up To 12', Lead Contaminated Material	1.65
02 83 19 13-0118	SF	Demolish Steel Beams, Lead Contaminated Material	1.95
02 83 19 13-0119	SF	Demolish Trusses, Lead Contaminated Material	2.55
02 83 19 13-0120	SF	Demolish Walls, Wood, Lead Contaminated Material	1.88
02 83 19 13-0121	SF	Demolish Windows, Lead Contaminated Material	6.35
02 83 19 13-0122	SF	Demolish Metal Stair, Lead Contaminated Material	3.04
02 83 19 13-0123	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	3.65
02 83 19 13-0124	SF	Demolish Plywood, Lead Contaminated Material	2.75
02 83 19 13-0125	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	1.34
02 83 19 13-0126	SF	Demolish Ceramic Tile, Walls Or Floor, Lead Contaminated Material	1.54
02 83 19 13-0127	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	8.38
02 83 19 13-0128	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	1.83
02 83 19 13-0129	LF	Demolish Metal Hand Rails, Lead Contaminated Material	2.23
02 83 19 13-0130	LF	Demolish Metal Guard Rails, Lead Contaminated Material	5.03

02 83 19 13-0131 Wet Sanding Of Lead Contaminated Material (02 83 19 13)

02 83 19 13-0132	SF	Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint	0.72
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02 83 19 13-0133 Lead Abatement Encapsulation (02 83 19 13)

Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.

02 83 19 13-0134	SF	Balustrades, Lead Abatement Encapsulation	2.60
02 83 19 13-0135	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	2.77
02 83 19 13-0136	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	3.79
02 83 19 13-0137	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	1.77
02 83 19 13-0138	SF	Ornate Cabinets, Lead Abatement Encapsulation	3.63
02 83 19 13-0139	SF	Simple Design Cabinets, Lead Abatement Encapsulation	3.02
02 83 19 13-0140	SF	Drywall Ceilings, Lead Abatement Encapsulation	1.22
02 83 19 13-0141	SF	Wood Ceilings, Lead Abatement Encapsulation	1.42
02 83 19 13-0142	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	1.33
02 83 19 13-0143	SF	Columns, Lead Abatement Encapsulation	2.09
02 83 19 13-0144	SF	Doors, Lead Abatement Encapsulation	4.22
02 83 19 13-0145	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	1.65
02 83 19 13-0146	SF	Picket Fence (Brush), Lead Abatement Encapsulation	1.36
02 83 19 13-0147	SF	Wood Floors (Roller), Lead Abatement Encapsulation	1.18
02 83 19 13-0148	SF	Grilles, Vents, Lead Abatement Encapsulation	2.79
02 83 19 13-0149	LF	Gutters And Downspouts, Lead Abatement Encapsulation	2.60
02 83 19 13-0150	EA	Hangers, Lead Abatement Encapsulation	20.13
02 83 19 13-0151	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	1.59
02 83 19 13-0152	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	2.44
02 83 19 13-0153	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	3.90
02 83 19 13-0154	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	5.77
02 83 19 13-0155	EA	Radiators, Lead Abatement Encapsulation	92.94
02 83 19 13-0156	EA	Up To 6' Shutters, Lead Abatement Encapsulation	79.74



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 83 19 13-0157	SF		Siding, Lead Abatement Encapsulation	1.56	
02 83 19 13-0158	SF		Up To 12" Soffit, Lead Abatement Encapsulation	2.09	
02 83 19 13-0159	SF		Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	1.77	
02 83 19 13-0160	SF		Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	2.23	
02 83 19 13-0161	SF		Trusses, Lead Abatement Encapsulation	2.23	
02 83 19 13-0162	SF		Drywall Walls, Lead Abatement Encapsulation.....	1.07	
02 83 19 13-0163	SF		Wood Walls, Lead Abatement Encapsulation.....	1.31	
02 83 19 13-0164	EA		Window Without Grille, Lead Abatement Encapsulation.....	81.61	
02 83 19 13-0165	EA		Window With Grille, Lead Abatement Encapsulation.....	96.12	
02 83 19 13-0166	LF		Frames And Trim, Lead Abatement Encapsulation	1.42	
02 83 19 13-0167	LF		Steel Lintels, Lead Abatement Encapsulation.....	1.66	

02 83 33 Removal and Disposal of Material Containing Lead (02 83)

02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)

02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)

02 83 33 13-0002	SF		HEPA Vacuum And Wet Clean Lead Contaminated Area With Mild Detergent.....	0.12	
02 83 33 13-0003	SF		HEPA Vacuum And Wet Clean Lead Contaminated Area With Tri-Sodium Phosphate	0.18	
02 83 33 13-0004	SF		HEPA Vacuum And Shampoo Lead Contaminated Carpeting.....	0.53	

02 84 Polychlorinate Biphenyl Remediation (02 80)

02 84 16 Handling Of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)

02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)

Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.

02 84 16 00-0002	EA		Removal Of TSCA-Exempt PCB And Non-PCB Ballast From A Demolished Fixture For Recycling.....	4.10	
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02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)

Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.

02 84 16 00-0004	EA		Recycle Non-PCB Ballast Removed From Up To 4' Length Fixtures.....	0.96	
02 84 16 00-0005	EA		Recycle Non-PCB Ballast Removed From >4' To 8' Length Fixtures	1.45	
02 84 16 00-0006	EA		Recycle TSCA-Exempt PCB Ballast Removed From Up To 4' Length Fixtures	4.50	
02 84 16 00-0007	EA		Recycle TSCA-Exempt PCB Ballast Removed From >4' To 8' Length Fixtures	10.29	

02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)

Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.

02 84 16 00-0009	EA		Dispose Of Leaking Non-PCB Ballast Removed From Up To 4' Length Fixtures.....	2.41	
02 84 16 00-0010	EA		Dispose Of Leaking Non-PCB Ballast Removed From >4' To 8' Length Fixtures.....	3.62	
02 84 16 00-0011	EA		Dispose Of Leaking PCB Ballast Removed From Up To 4' Length Fixtures.....	6.75	
02 84 16 00-0012	EA		Dispose Of Leaking PCB Ballast Removed From >4' To 8' Length Fixtures.....	15.43	

02 84 33 Removal and Disposal of Polychlorinate Biphenyls (02 84)

02 84 33 00-0001 Removal And Disposal Of Polychlorinate Biphenyls Oil Filled Transformers (02 84 33)

Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.

02 84 33 00-0002	EA		Removal And Disposal Of Transformers 2.5/3.5 KVA, Non PCB.....	1,473.51	
			Note: Includes disposal costs.		
02 84 33 00-0003	EA		Removal And Disposal Of Transformers 20 KVA, Non PCB.....	2,310.92	
			Note: Includes disposal costs.		
02 84 33 00-0004	EA		Removal And Disposal Of Switch, Non PCB	645.29	
02 84 33 00-0005	EA		Removal And Disposal Of Transformers 2.5/3.5 KVA, PCB	2,772.00	
			Note: Includes disposal costs.		
02 84 33 00-0006	EA		Removal And Disposal Of Switch, PCB.....	1,492.75	
02 84 33 00-0007	EA		Removal And Disposal Of Transformers 20 KVA, PCB.....	4,365.15	
			Note: Includes disposal costs.		

02 86 Hazardous Waste Drum Handling (02 80)

02 86 00 00-0001 Hazardous Waste Packaging (02 86)

02 86 00 00-0002 Overpacks (02 86 00 00-0001)

02 86 00 00-0003 Steel Salvage Drums, 16 Gauge (02 86 00 00-0002)

02 86 00 00-0004	EA		110 Gallon, 30" Diameter X 41" High.....	206.26	
02 86 00 00-0005	EA		85 Gallon, 26" Diameter X 38" High.....	117.41	
02 86 00 00-0006	EA		83 Gallon, 26" Diameter X 36" High.....	113.32	
02 86 00 00-0007	EA		55 Gallon, DOT 17C, 18" Diameter X 34" High.....	70.90	
02 86 00 00-0008	EA		30 Gallon, DOT 17C, 18" Diameter X 28" High.....	55.85	
02 86 00 00-0009	EA		22 Gallon, 16" Diameter X 25" High.....	37.63	
02 86 00 00-0010	EA		15 Gallon, DOT 17C, 14" Diameter X 24" High.....	34.02	
02 86 00 00-0011	EA		10 Gallon, 13.8" Diameter X 15" High.....	29.98	

02 86 00 00-0012 Polyethylene Overpacks (02 86 00 00-0002)

02 Existing Conditions**02 80 Facility Remediation****02 86 Hazardous Waste Drum Handling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 86 00 00-0013	EA	95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High	232.98
02 86 00 00-0014	EA	20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High	43.06
02 86 00 00-0015	EA	85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High.....	210.82
02 86 00 00-0016		Composite Overpacks (02 86 00 00-0002)	
02 86 00 00-0017	EA	55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums	114.40
02 86 00 00-0018	EA	55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums	156.99
02 86 00 00-0019	EA	85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums	212.94
02 86 00 00-0020		DOT E-9168 Exempt Packaging (02 86 00 00-0002)	
02 86 00 00-0021	EA	32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	10.47
02 86 00 00-0022	EA	950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	11.05
02 86 00 00-0023	EA	500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	10.80
02 86 00 00-0024	EA	250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	5.35
02 86 00 00-0025	EA	Can, Carton, Insert, Tape - Corrosive And Flammable - UPS	6.13
02 86 00 00-0026	EA	16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	4.20
02 86 00 00-0027	EA	32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS.....	5.47
02 86 00 00-0028		Steel Drums (02 86 00 00-0001)	
02 86 00 00-0029		UN Rated Steel Drums (02 86 00 00-0028)	
02 86 00 00-0030	EA	8 Gallon, 17C, Open	38.41
02 86 00 00-0031	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49)	987.76
02 86 00 00-0032	EA	UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum	70.34
02 86 00 00-0033	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24)	797.06
02 86 00 00-0034	EA	55 Gallon Reconditioned Steel 17h Drum (50+)	37.58
02 86 00 00-0035	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49)	782.06
02 86 00 00-0036	EA	UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum.....	66.48
02 86 00 00-0037	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+)	936.33
02 86 00 00-0038	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24)	1,144.17
02 86 00 00-0039	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49)	1,122.74
02 86 00 00-0040	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9)	1,034.89
02 86 00 00-0041	EA	UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	53.91
02 86 00 00-0042	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+)	704.93
02 86 00 00-0043	EA	UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum.....	42.48
02 86 00 00-0044	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24).....	1,015.61
02 86 00 00-0045	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	664.22
02 86 00 00-0046	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+).....	1,011.33
02 86 00 00-0047	EA	UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum.....	49.25
02 86 00 00-0048	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	1,079.89
02 86 00 00-0049	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	638.51
02 86 00 00-0050	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49).....	914.91
02 86 00 00-0051	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49).....	610.65
02 86 00 00-0052	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24).....	1,054.18
02 86 00 00-0053	EA	UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	41.86
02 86 00 00-0054	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+).....	867.77
02 86 00 00-0055	EA	55 Gallon Reconditioned Steel 17h Drum (1-9)	55.11
02 86 00 00-0056	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	589.23
02 86 00 00-0057	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	1,034.89
02 86 00 00-0058	EA	30 Gallon, 17E, Open	30.37
02 86 00 00-0059	EA	20 Gallon, 17C, Open.....	42.68
02 86 00 00-0060	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	932.05
02 86 00 00-0061	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9)	1,116.32
02 86 00 00-0062	EA	55 Gallon Reconditioned Steel 17h Drum (10-24)	48.85
02 86 00 00-0063	EA	55 Gallon Reconditioned Steel 17h Drum (25-49)	42.59
02 86 00 00-0064	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9)	816.35
02 86 00 00-0065	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,094.89
02 86 00 00-0066	EA	20 Gallon, 17E, Open	28.73
02 86 00 00-0067		Plastic Drums (02 86 00 00-0001)	
02 86 00 00-0068		Polyethylene Closed Head Drums (02 86 00 00-0067)	
Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.			
02 86 00 00-0069	EA	55 Gallon Polyethylene Closed Head Drums	44.16
02 86 00 00-0070	EA	35 Gallon Polyethylene Closed Head Drums	33.90
02 86 00 00-0071	EA	30 Gallon Polyethylene Closed Head Drums	30.78
02 86 00 00-0072	EA	20 Gallon Polyethylene Closed Head Drums	21.50
02 86 00 00-0073	EA	15 Gallon Polyethylene Closed Head Drums	21.09
02 86 00 00-0074		Polyethylene Open Head Drums (02 86 00 00-0067)	
Note: Open head drums are primarily used for solids and sludge.			
02 86 00 00-0075	EA	55 Gallon Polyethylene Open Head Drums	55.81
02 86 00 00-0076	EA	35 Gallon Polyethylene Open Head Drums	41.04
02 86 00 00-0077	EA	30 Gallon Polyethylene Open Head Drums	38.99
02 86 00 00-0078	EA	20 Gallon Polyethylene Open Head Drums	28.73
02 86 00 00-0079	EA	15 Gallon Polyethylene Open Head Drums	24.62
02 86 00 00-0080		Fiber Drums (02 86 00 00-0001)	



Existing Conditions		02
Facility Remediation		02 80
Hazardous Waste Drum Handling		02 86

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 86 00 00-0081	Steel Top/Fiber Bottom Drums, Hazardous (02 86 00 00-0080)	
	Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.	
02 86 00 00-0082	EA 30 Gallon Fiber Drum DOT-21C (1-9).....	33.82
02 86 00 00-0083	EA 30 Gallon Fiber Drum DOT-21C (10-24).....	31.68
02 86 00 00-0084	EA 30 Gallon Fiber Drum DOT-21C (25-49).....	28.89
02 86 00 00-0085	EA 30 Gallon Fiber Drum DOT-21C (50+).....	28.56
02 86 00 00-0086	EA 55 Gallon Fiber Drum DOT-21C (1-9).....	34.80
02 86 00 00-0087	EA 55 Gallon Fiber Drum DOT-21C (10-24).....	32.83
02 86 00 00-0088	EA 55 Gallon Fiber Drum DOT-21C (25-49).....	30.37
02 86 00 00-0089	EA 55 Gallon Fiber Drum DOT-21C (50-99).....	29.38
02 86 00 00-0090	EA 55 Gallon Fiber Drum DOT-21C (100+).....	25.44
02 86 00 00-0091	EA 10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	21.67
02 86 00 00-0092	EA 20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	23.64
02 86 00 00-0093	EA 20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	27.58
02 86 00 00-0094	Loading Hazardous Waste For Shipment (02 86 00 00-0001)	
02 86 00 00-0095	EA Load Drums On Disposal Truck.....	4.54
02 86 00 00-0096	EA Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	516.54
02 86 00 00-0097	Transport Drums To Landfill (02 86 00 00-0001)	
	Note: Includes transportation for up to 25 miles.	
02 86 00 00-0098	EA Transport Drum To Landfill	54.42
	Note: Includes transportation for up to 25 miles.	

02 87 Bio-Hazard Material Remediation (02 80)

Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 13 Mold Remediation (02 87)

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which task applies. See CSI section 01 74 19 00-0028 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)

02 87 13 33-0001	Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)	
	Note: Treat fittings as additional lf of insulation.	
02 87 13 33-0002	Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)	
	Note: Diameter is outer size of insulation.	
02 87 13 33-0003	Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)	
	Note: Excludes encased fittings.	
02 87 13 33-0004	LF Up To 25 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.45
02 87 13 33-0005	LF >25 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	11.53
02 87 13 33-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	8.64
02 87 13 33-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	6.48
02 87 13 33-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	4.86
02 87 13 33-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	4.23
02 87 13 33-0010	>6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)	
02 87 13 33-0011	LF Up To 25 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.77
02 87 13 33-0012	LF >25 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	13.26
02 87 13 33-0013	LF >250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	9.95
02 87 13 33-0014	LF >500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	7.46
02 87 13 33-0015	LF >2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	5.59
02 87 13 33-0016	LF >10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	4.86
02 87 13 33-0017	Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)	
02 87 13 33-0018	Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)	
02 87 13 33-0019	SF Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	9.32
02 87 13 33-0020	SF >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	6.63
02 87 13 33-0021	SF >500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	4.97
02 87 13 33-0022	SF >2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	3.72
02 87 13 33-0023	SF >10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	2.86
02 87 13 33-0024	Surfacing Material, Mold Abatement And Disposal (02 87 13 33)	
	Note: e.g. fireproofing, acoustical plaster, etc.	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 13 33-0025			Stucco, Mold Abatement And Disposal (02 87 13 33-0024) Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0026	SF		Up To 100 SF, Stucco, Mold Abatement And Disposal.....	9.32	
02 87 13 33-0027	SF		>100 To 500 SF, Stucco, Mold Abatement And Disposal.....	6.63	
02 87 13 33-0028	SF		>500 To 2,500 SF, Stucco, Mold Abatement And Disposal.....	4.97	
02 87 13 33-0029	SF		>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal.....	3.72	
02 87 13 33-0030	SF		>10,000 SF, Stucco, Mold Abatement And Disposal.....	2.80	
02 87 13 33-0031			Acoustical Plaster, Mold Abatement And Disposal (02 87 13 33-0024) Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0032	SF		Up To 100 SF, Acoustical Plaster, Mold Abatement And Disposal.....	9.32	
02 87 13 33-0033	SF		>100 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	6.63	
02 87 13 33-0034	SF		>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	4.97	
02 87 13 33-0035	SF		>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	3.72	
02 87 13 33-0036	SF		>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	2.80	
02 87 13 33-0037			Gypsum Board, Mold Abatement And Disposal (02 87 13 33-0024)		
02 87 13 33-0038	SF		Up To 100 SF, Gypsum Board, Mold Abatement And Disposal.....	2.98	
02 87 13 33-0039	SF		>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal.....	2.14	
02 87 13 33-0040	SF		>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal.....	1.68	
02 87 13 33-0041	SF		>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal.....	1.31	
02 87 13 33-0042	SF		>10,000 SF, Gypsum Board, Mold Abatement And Disposal.....	0.93	
02 87 13 33-0043			Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024) Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0044	SF		Up To 100 SF, Fireproofing, Mold Abatement And Disposal.....	9.32	
02 87 13 33-0045	SF		>100 To 500 SF, Fireproofing, Mold Abatement And Disposal.....	9.13	
02 87 13 33-0046	SF		>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal.....	6.85	
02 87 13 33-0047	SF		>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal.....	5.14	
02 87 13 33-0048	SF		>10,000 SF, Fireproofing, Mold Abatement And Disposal.....	3.86	
02 87 13 33-0049			Flooring, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0050			Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0049) Note: Includes cove base.		
02 87 13 33-0051			Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0050) Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SF		Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	3.39	
			For Each Additional Layer, Add	0.85	
02 87 13 33-0053	SF		>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	2.13	
			For Each Additional Layer, Add	0.53	
02 87 13 33-0054	SF		>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	1.15	
			For Each Additional Layer, Add	0.29	
02 87 13 33-0055	SF		>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	0.62	
			For Each Additional Layer, Add	0.16	
02 87 13 33-0056	SF		>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	0.46	
			For Each Additional Layer, Add	0.12	
02 87 13 33-0057			Carpet, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0058			Carpet, Glue Down, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0059	SF		Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	2.71	
02 87 13 33-0060	SF		>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	1.76	
02 87 13 33-0061	SF		>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	1.07	
02 87 13 33-0062	SF		>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	0.68	
02 87 13 33-0063	SF		>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	0.50	
02 87 13 33-0064			Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0065	SF		Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal.....	2.98	
			Note: Includes tack strips.		
02 87 13 33-0066	SF		>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal.....	1.99	
			Note: Includes tack strips.		
02 87 13 33-0067	SF		>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal.....	1.42	
			Note: Includes tack strips.		
02 87 13 33-0068	SF		>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	1.10	
			Note: Includes tack strips.		
02 87 13 33-0069	SF		>10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	0.83	
			Note: Includes tack strips.		
02 87 13 33-0070			Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0071	SF		Up To 100 SF, Subflooring, Mold Abatement And Disposal.....	3.95	
02 87 13 33-0072	SF		>100 To 500 SF, Subflooring, Mold Abatement And Disposal.....	2.46	
02 87 13 33-0073	SF		>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal.....	1.54	
02 87 13 33-0074	SF		>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal.....	0.89	
02 87 13 33-0075	SF		>10,000 SF, Subflooring, Mold Abatement And Disposal.....	0.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 13 33-0076	Siding, Mold Abatement And Disposal (02 87 13 33)	
02 87 13 33-0077	Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076) Note: Includes detachment of mounted objects before removal.	
02 87 13 33-0078	SF Up To 100 SF, Interior Paneling, Mold Abatement And Disposal 2.98 Note: Includes detachment of mounted objects before removal.	2.98
02 87 13 33-0079	SF >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal 2.13 Note: Includes detachment of mounted objects before removal.	2.13
02 87 13 33-0080	SF >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal 1.46 Note: Includes detachment of mounted objects before removal.	1.46
02 87 13 33-0081	SF >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal 0.81 Note: Includes detachment of mounted objects before removal.	0.81
02 87 13 33-0082	SF >10,000 SF, Interior Paneling, Mold Abatement And Disposal 0.60 Note: Includes detachment of mounted objects before removal.	0.60
02 87 13 33-0083	Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)	
02 87 13 33-0084	SF Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal 4.14	4.14
02 87 13 33-0085	SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal 2.67	2.67
02 87 13 33-0086	SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal 1.82	1.82
02 87 13 33-0087	SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal 1.19	1.19
02 87 13 33-0088	SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal 1.07	1.07
02 87 13 33-0089	Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)	
02 87 13 33-0090	Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)	
02 87 13 33-0091	CF Up To 10 CF, Contaminated Debris, Mold Abatement And Disposal 17.18	17.18
02 87 13 33-0092	CF >10 To 100 CF, Contaminated Debris, Mold Abatement And Disposal 10.31	10.31
02 87 13 33-0093	CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal 6.88	6.88
02 87 13 33-0094	CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal 5.15	5.15
02 87 13 33-0095	CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal 4.13	4.13
02 87 13 33-0096	CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal 2.25	2.25
02 87 13 33-0097	CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal 2.03	2.03
02 87 13 33-0098	Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)	
02 87 13 33-0099	Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098) Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.	
02 87 13 33-0100	LF Up To 100 LF, Wood Studs, Mold Abatement And Disposal 1.67	1.67
02 87 13 33-0101	LF >100 To 500 LF, Wood Studs, Mold Abatement And Disposal 1.20	1.20
02 87 13 33-0102	LF >500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal 0.88	0.88
02 87 13 33-0103	LF >2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal 0.68	0.68
02 87 13 33-0104	LF >10,000 LF, Wood Studs, Mold Abatement And Disposal 0.50	0.50
02 87 13 33-0105	Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098) Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.	
02 87 13 33-0106	SF Up To 200 SF, Ceiling Tile, Mold Abatement And Disposal 4.97	4.97
02 87 13 33-0107	SF >200 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal 3.72	3.72
02 87 13 33-0108	SF >1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal 1.70	1.70
02 87 13 33-0109	SF >2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal 1.19	1.19
02 87 13 33-0110	SF >10,000 SF, Ceiling Tile, Mold Abatement And Disposal 1.07	1.07
02 87 13 33-0111	Caulking, Mold Abatement And Disposal (02 87 13 33-0098)	
02 87 13 33-0112	LF Up To 10 LF, Caulking, Mold Abatement And Disposal 1.76	1.76
02 87 13 33-0113	LF >10 To 50 LF, Caulking, Mold Abatement And Disposal 1.49	1.49
02 87 13 33-0114	LF >50 To 100 LF, Caulking, Mold Abatement And Disposal 1.07	1.07
02 87 13 33-0115	LF >100 To 250 LF, Caulking, Mold Abatement And Disposal 0.81	0.81
02 87 13 33-0116	LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal 0.60	0.60
02 87 13 33-0117	LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal 0.48	0.48
02 87 13 33-0118	LF >2,500 LF, Caulking, Mold Abatement And Disposal 0.42	0.42
02 87 13 33-0119	Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)	
02 87 13 33-0120	CSF Wipe Down Floors With Mild Bleach Solution 8.28	8.28
02 87 13 33-0121	CSF Wipe Down Walls With Mild Bleach Solution 9.74	9.74
02 87 13 33-0122	CSF Wipe Down Ceilings With Mild Bleach Solution 11.08	11.08
02 87 13 33-0123	CSF Wipe Down Countertops With Mild Bleach Solution 9.04	9.04
02 87 13 33-0124	CSF Wipe Down Other Surfaces With Mild Bleach Solution 11.47	11.47

02 87 16 Excrement Removal (02 87)

02 87 16 13 Bird Excrement Removal (02 87 16)

02 87 16 13-0001 Bird Waste Removal (02 87 16 13)

Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002	EA Up To 10 SF Bird Waste Removal, Up To 3" Thickness For Work In Restricted Working Space, Add	298.17 89.45
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02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 16 13-0003	SF		>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	4.97	
			<i>For Work In Restricted Working Space, Add</i>	1.49	
02 87 16 13-0004	SF		>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness.....	4.51	
			<i>For Work In Restricted Working Space, Add</i>	1.35	
02 87 16 13-0005	SF		>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness.....	4.11	
			<i>For Work In Restricted Working Space, Add</i>	1.23	
02 87 16 13-0006	SF		>10,000 SF Bird Waste Removal, Up To 3" Thickness.....	3.74	
			<i>For Work In Restricted Working Space, Add</i>	1.12	

02 89 Hazmat Ancillary Tasks And Support (02 80)

02 89 00 00-0001			Barriers And Protection (02 89) Note: Includes removal and disposal after use.		
02 89 00 00-0002			Isolation Barriers (02 89 00 00-0001) Note: Use framing task with applicable barrier task. See CSI section 01 56 16 00-0001 for temporary stud walls.		
02 89 00 00-0003	SF		1/2" Plywood For Solid Isolation Barrier.....	1.75	
02 89 00 00-0004	SF		6 Mil Plastic Sheeting For Separation Barrier.....	0.21	
02 89 00 00-0005	SF		1/2" Drywall For Solid Isolation Barrier.....	0.75	
02 89 00 00-0006	SF		5/8" Drywall For Solid Isolation Barrier.....	0.85	
02 89 00 00-0007			Cleaning Surfaces (02 89 00 00-0001) Note: Other surfaces within contamination area but not contaminated by, or part of removal.		
02 89 00 00-0008	SF		Up To 100 SF, Clean Asbestos Surface	0.71	
02 89 00 00-0009	SF		>100 To 500 SF, Clean Asbestos Surface.....	0.50	
02 89 00 00-0010	SF		>500 To 1,000 SF, Clean Asbestos Surface.....	0.33	
02 89 00 00-0011	SF		>1,000 SF, Clean Asbestos Surface.....	0.25	
02 89 00 00-0012			Hazmat Containment Construction (02 89 00 00-0001)		
02 89 00 00-0013	SF		6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.21	
02 89 00 00-0014	SF		6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.26	
02 89 00 00-0015	SF		6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.35	
02 89 00 00-0016	SF		6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors, Hazmat Containment Construction	0.27	
02 89 00 00-0017	SF		6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.34	
02 89 00 00-0018	SF		6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.43	
02 89 00 00-0019			Decontamination Chambers (02 89) Note: Includes removal after use.		
02 89 00 00-0020	EA		Portable Personnel Decontamination Wash Facility (3 Stage).....	471.86	
			Note: Includes connection to negative air system.		
			<i>For Dismantling And Relocation To A Different Area, Add</i>	226.57	
02 89 00 00-0021	EA		Portable Waste Decontamination Unit.....	272.37	
			Note: Includes connection to negative air system.		
			<i>For Dismantling And Relocation To A Different Area, Add</i>	149.72	

END OF SECTION 02



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 Concrete

Note: The cost of process quality control testing routinely performed by the Contractor is included in the unit prices for the individual tasks. Independent lab reports sent to Owner's PM.

03 01 Maintenance Of Concrete (03)

03 01 30 Maintenance Of Cast-In-Place Concrete (03 01)

03 01 30 51 Cleaning Of Cast-In-Place Concrete (03 01 30)

03 01 30 51-0001	Abrasive Blasting (03 01 30 51)	
	Note: Includes containment and clean-up of all material. Includes steel ball media.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot Blasting	1.33
	For Up To 100, Add	1.14
	For >100 To 250, Add	0.29
	For >250 To 500, Add	0.14
	For >5,000 To 10,000, Deduct	-0.03
	For >10,000, Deduct	-0.06
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot Blasting	1.90
	For Up To 100, Add	2.28
	For >100 To 250, Add	0.57
	For >250 To 500, Add	0.29
	For >5,000 To 10,000, Deduct	-0.06
	For >10,000, Deduct	-0.11

03 01 30 71 Rehabilitation Of Cast-in-Place Concrete (03 01 30)

03 01 30 71-0001	Concrete Resurfacing/Repair (03 01 30 71)	
	See CSI section 09 91 43 00-0002 for surface preparation as required.	
03 01 30 71-0002	Concrete Repair (03 01 30 71-0001)	
03 01 30 71-0003	Decks Or Floors (03 01 30 71-0002)	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0004	SF 1/8" To 1/4", Cementitious Mortar Patch, Decks And Floors.....	2.93
03 01 30 71-0005	SF 1/8" To 1/4", Epoxy Cementitious Mortar Patch, Decks And Floors.....	10.71
03 01 30 71-0006	SF White Aluminum Oxide Grit (Non Slip Aggregate) Patch, Decks And Floors.....	0.28

03 01 30 71-0007	Verticals Or Overheads (03 01 30 71-0002)	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0008	SF 1/8" To 1/4" Cementitious Mortar Patch, Verticals And Overheads	4.29
03 01 30 71-0009	SF 1/8" To 1/4" Epoxy Cementitious Mortar Patch, Verticals And Overheads	13.72
03 01 30 71-0010	SF 1/8" To 1/4" Latex Cementitious Mortar Patch, Verticals And Overheads	15.70
03 01 30 71-0011	SF 1/8" To 1/4" Elastomeric Compound Patch, Verticals And Overheads	4.17
03 01 30 71-0012	SF 1/8" To 1/4" Copolymer Cementitious Compound Patch, Verticals And Overheads.....	7.52
	Note: Rapid Set - Wunderfix	

03 01 30 71-0013	Crack Repair For Concrete (03 01 30 71-0001)	
03 01 30 71-0014	Non Structural Crack Repair For Concrete (03 01 30 71-0013)	
03 01 30 71-0015	Surface Applied, Non Structural Crack Repair For Concrete (03 01 30 71-0014)	
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.	
03 01 30 71-0016	LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	1.93
	For V-Grooving Crack With Grinder, Add	1.50
03 01 30 71-0017	LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	2.56
	For V-Grooving Crack With Grinder, Add	1.46
03 01 30 71-0018	LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	2.01
	For V-Grooving Crack With Grinder, Add	1.50
03 01 30 71-0019	LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	2.72
	For V-Grooving Crack With Grinder, Add	1.46
03 01 30 71-0020	LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	2.29
	For V-Grooving Crack With Grinder, Add	1.50
03 01 30 71-0021	LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	3.27
	For V-Grooving Crack With Grinder, Add	1.46
03 01 30 71-0022	LF Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	2.49
	For V-Grooving Crack With Grinder, Add	1.50
03 01 30 71-0023	LF >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	3.68
	For V-Grooving Crack With Grinder, Add	1.46

03 Concrete**03 01 Maintenance Of Concrete****03 01 30 Maintenance Of Cast-In-Place Concrete**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 01 30 71-0024		Pressure Injected, Non Structural Crack Repair For Concrete (03 01 30 71-0014) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.	
03 01 30 71-0025	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	11.82
		<i>For Cracks Accessible From Both Sides, Add</i>	2.42
03 01 30 71-0026		Structural Crack Repair For Concrete (03 01 30 71-0013)	
03 01 30 71-0027		Surface Applied, Structural Crack Repair For Concrete (03 01 30 71-0026) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.	
03 01 30 71-0028	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	2.54
		<i>For V-Grooving Crack With Grinder, Add</i>	1.50
03 01 30 71-0029	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	3.78
		<i>For V-Grooving Crack With Grinder, Add</i>	1.46
03 01 30 71-0030	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	2.53
		<i>For V-Grooving Crack With Grinder, Add</i>	1.50
03 01 30 71-0031	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	3.76
		<i>For V-Grooving Crack With Grinder, Add</i>	1.46
03 01 30 71-0032	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	3.33
		<i>For V-Grooving Crack With Grinder, Add</i>	1.50
03 01 30 71-0033	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	5.37
		<i>For V-Grooving Crack With Grinder, Add</i>	1.46
03 01 30 71-0034		Pressure Injected, Structural Crack Repair For Concrete (03 01 30 71-0026) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.	
03 01 30 71-0035	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	9.65
		<i>For Cracks Accessible From Both Sides, Add</i>	2.42
03 01 30 71-0036	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	9.64
		<i>For Cracks Accessible From Both Sides, Add</i>	2.42

03 05 Common Work Results For Concrete (03)**03 05 00 00-0001 Concrete Admixtures** (03 05)

03 05 00 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	3.69
03 05 00 00-0003	CY	Set Retarding, Type B Concrete Admixture	2.56
03 05 00 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	3.98
03 05 00 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	7.95
03 05 00 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	7.10
03 05 00 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	14.20
03 05 00 00-0008	CY	Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	3.07
03 05 00 00-0009	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	4.26
03 05 00 00-0010	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	8.52
03 05 00 00-0011	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	3.34
03 05 00 00-0012	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	6.82
03 05 00 00-0013	CY	1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	9.09
03 05 00 00-0014	CY	25 LB/CY Steel Fibers, Concrete Admixture	21.77
03 05 00 00-0015	CY	10% Microsilica (Silica Fume), Concrete Admixture	53.50
03 05 00 00-0016	CY	Winter Service Or Heat, Concrete Add	3.98
03 05 00 00-0017	CY	Chilled Water, Concrete Add	3.98
03 05 00 00-0018	CY	DCI-S Corrosion Inhibitor (2.5 Gallons Per CY) Concrete Admixture	36.70
03 05 00 00-0019	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	23.00
03 05 00 00-0020	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	38.34
03 05 00 00-0021	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	73.61
03 05 00 00-0022	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	102.24

03 10 Concrete Forming And Accessories (03)**03 11 Concrete Forming** (03 10)**03 11 13 Structural Cast-In-Place Concrete Forming** (03 11)

Note: Per square foot of formwork.

03 11 13 00-0001		Wood Formwork (03 11 13) Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.	
03 11 13 00-0002		Foundation Wood Formwork (03 11 13 00-0001) Note: For foundation work below or at grade.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0003 SF Continuous Footings Foundation Wood Formwork.....	3.48	
For <1,000, Add	0.59	
For Foundations >8' Below Grade, Add	0.53	
For Curved Formwork, Add	1.06	
03 11 13 00-0004 SF Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	4.03	
For <1,000, Add	0.69	
For Foundations >8' Below Grade, Add	0.63	
For Curved Formwork, Add	1.27	
03 11 13 00-0005 SF Mat Foundation Wood Formwork.....	4.38	
For <1,000, Add	0.78	
For Foundations >8' Below Grade, Add	0.73	
For Curved Formwork, Add	1.47	
03 11 13 00-0006 SF Grade Beams Or Duct Bank Foundation Wood Formwork.....	3.76	
For <1,000, Add	0.66	
For Foundations >8' Below Grade, Add	0.61	
For Curved Formwork, Add	1.22	
03 11 13 00-0007 SF Below Grade Walls Foundation Wood Formwork.....	5.44	
Note: Excludes footing		
For <1,000, Add	0.94	
For Foundations >8' Below Grade, Add	0.87	
For Curved Formwork, Add	1.74	
03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0009 LF Up To 6" High Slab Edge and Block-Out Wood Formwork.....	2.50	
For Foundations >8' Below Grade, Add	0.41	
For Curved Formwork, Add	0.83	
For Up To 250, Add	0.44	
03 11 13 00-0010 LF >6" To 12" High Slab Edge and Block-Out Wood Formwork.....	3.80	
For Foundations >8' Below Grade, Add	0.59	
For Curved Formwork, Add	1.18	
For Up To 250, Add	0.65	
03 11 13 00-0011 SF >12" High Slab Edge and Block-Out Wood Formwork.....	4.72	
For Foundations >8' Below Grade, Add	0.75	
For Curved Formwork, Add	1.51	
For <1,000, Add	0.82	
03 11 13 00-0012 Column Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0013 LF Up To 8" Square Column Wood Formwork.....	20.58	
03 11 13 00-0014 LF >8" To 12" Square Column Wood Formwork.....	30.39	
03 11 13 00-0015 LF >12" To 18" Square Column Wood Formwork.....	37.16	
03 11 13 00-0016 LF >18" To 24" Square Column Wood Formwork.....	51.35	
03 11 13 00-0017 LF >24" To 36" Square Column Wood Formwork.....	72.98	
03 11 13 00-0018 LF >36" To 48" Square Column Wood Formwork.....	94.60	
03 11 13 00-0019 Above Grade Wall Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0020 SF Up To 8' High Above Grade Wall Wood Formwork.....	5.96	
For Curved Formwork, Add	1.94	
For <1,000, Add	1.05	
03 11 13 00-0021 SF >8' High Above Grade Wall Wood Formwork.....	7.06	
For Curved Formwork, Add	2.31	
For <1,000, Add	1.24	
03 11 13 00-0022 Elevated Beam Wood Formwork (03 11 13 00-0001)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023 SF Bottom of Elevated Beam Wood Formwork.....	7.57	
For Curved Formwork, Add	2.51	
For <1,000, Add	1.34	
03 11 13 00-0024 SF Vertical Sides of Elevated Beam Wood Formwork.....	4.89	
For Curved Formwork, Add	1.61	
For <1,000, Add	0.86	
03 11 13 00-0025 Elevated Slab Wood Formwork (03 11 13 00-0001)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026 SF Elevated Slab Wood Formwork.....	4.83	
For <1,000, Add	0.81	
03 11 13 00-0027 Metal Framed Formwork (03 11 13)		
Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028 Foundation Metal Framed Formwork (03 11 13 00-0027)		
Note: For foundation work below or at grade.		
03 11 13 00-0029 SF Continuous Footings Foundation Metal Framed Formwork.....	2.68	
For <1,000, Add	0.48	
For Foundations >8' Below Grade, Add	0.45	
For Curved Formwork, Add	0.91	
03 11 13 00-0030 SF Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork.....	2.97	
For <1,000, Add	0.54	
For Foundations >8' Below Grade, Add	0.51	
For Curved Formwork, Add	1.02	

03 Concrete**03 10 Concrete Forming And Accessories****03 11 Concrete Forming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0031 SF Mat Foundation Metal Framed Formwork.....	3.33	
For <1,000, Add	0.60	
For Foundations >8' Below Grade, Add	0.56	
For Curved Formwork, Add	1.12	
03 11 13 00-0032 SF Grade Beams Or Duct Bank Foundation Metal Framed Formwork.....	2.82	
For <1,000, Add	0.50	
For Foundations >8' Below Grade, Add	0.47	
For Curved Formwork, Add	0.95	
03 11 13 00-0033 SF Below Grade Walls Foundation Metal Framed Formwork.....	4.25	
Note: Excludes footing.		
For <1,000, Add	0.78	
For Foundations >8' Below Grade, Add	0.74	
For Curved Formwork, Add	1.48	
03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0035 LF Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	1.82	
For Foundations >8' Below Grade, Add	0.35	
For Curved Formwork, Add	0.70	
For <250, Add	0.36	
03 11 13 00-0036 LF >6" To 12" High Slab Edge and Block-Out Metal Framed Formwork.....	2.29	
For Foundations >8' Below Grade, Add	0.44	
For Curved Formwork, Add	0.87	
For <250, Add	0.44	
03 11 13 00-0037 SF >12" High Slab Edge and Block-Out Metal Framed Formwork	2.54	
For Foundations >8' Below Grade, Add	0.48	
For Curved Formwork, Add	0.97	
For <1,000, Add	0.49	
03 11 13 00-0038 Column Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0039 Square Columns (03 11 13 00-0038)		
03 11 13 00-0040 LF Up To 12" Square Column Metal Framed Formwork	16.35	
03 11 13 00-0041 LF >12" To 16" Square Column Metal Framed Formwork	19.82	
03 11 13 00-0042 LF >16" To 20" Square Column Metal Framed Formwork	23.30	
03 11 13 00-0043 LF >20" To 24" Square Column Metal Framed Formwork	27.82	
03 11 13 00-0044 LF >24" To 30" Square Column Metal Framed Formwork	33.54	
03 11 13 00-0045 LF >30" To 36" Square Column Metal Framed Formwork	40.34	
03 11 13 00-0046 LF >36" To 48" Square Column Metal Framed Formwork	51.80	
03 11 13 00-0047 LF >48" To 60" Square Column Metal Framed Formwork	63.97	
03 11 13 00-0048 Round Columns (03 11 13 00-0038)		
03 11 13 00-0049 LF Up To 12" Diameter Column Metal Formwork	17.58	
03 11 13 00-0050 LF >12" To 16" Diameter Column Metal Formwork.....	19.45	
03 11 13 00-0051 LF >16" To 20" Diameter Column Metal Formwork.....	22.19	
03 11 13 00-0052 LF >20" To 24" Diameter Column Metal Formwork.....	25.64	
03 11 13 00-0053 LF >24" To 30" Diameter Column Metal Formwork.....	30.13	
03 11 13 00-0054 LF >30" To 36" Diameter Column Metal Formwork.....	34.41	
03 11 13 00-0055 LF >36" To 48" Diameter Column Metal Formwork.....	45.18	
03 11 13 00-0056 LF >48" To 60" Diameter Column Metal Formwork.....	60.37	
03 11 13 00-0057 Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0058 SF Up to 8' High Above Grade Wall Metal Framed Formwork	2.68	
For Curved Formwork, Add	0.85	
For <1,000, Add	0.46	
03 11 13 00-0059 SF >8' High Above Grade Wall Metal Framed Formwork.....	3.29	
For Curved Formwork, Add	1.03	
For <1,000, Add	0.56	
03 11 13 00-0060 Elevated Beam Metal Framed Formwork (03 11 13 00-0027)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061 SF Bottom of Elevated Beam Metal Framed Formwork	2.88	
For Curved Formwork, Add	0.82	
For <1,000, Add	0.46	
03 11 13 00-0062 SF Vertical Sides of Elevated Beam Metal Framed Formwork	2.01	
For Curved Formwork, Add	0.62	
For <1,000, Add	0.34	
03 11 13 00-0063 Elevated Slab Metal Framed Formwork (03 11 13 00-0027)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064 SF Elevated Slab Metal Framed Formwork.....	4.51	
For <1,000, Add	0.63	
03 11 13 00-0065 Fiber Tube Formwork (03 11 13)		
Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066 Round Column Fiber Tube Formwork (03 11 13 00-0065)		
03 11 13 00-0067 LF 6" Diameter Round Fiber Tube Formwork	7.21	
For Plastic Lined, Add	0.50	
For Columns >12' In Length, Add	0.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0068 LF 8" Diameter Round Fiber Tube Formwork .....7.71 <i>For Plastic Lined, Add</i> .....0.58 <i>For Columns >12' In Length, Add</i> .....0.77		
03 11 13 00-0069 LF 10" Diameter Round Fiber Tube Formwork .....8.56 <i>For Plastic Lined, Add</i> .....0.67 <i>For Columns >12' In Length, Add</i> .....0.86		
03 11 13 00-0070 LF 12" Diameter Round Fiber Tube Formwork .....10.39 <i>For Plastic Lined, Add</i> .....0.96 <i>For Columns >12' In Length, Add</i> .....1.04		
03 11 13 00-0071 LF 14" Diameter Round Fiber Tube Formwork .....12.13 <i>For Plastic Lined, Add</i> .....1.30 <i>For Columns >12' In Length, Add</i> .....1.21		
03 11 13 00-0072 LF 16" Diameter Round Fiber Tube Formwork .....13.56 <i>For Plastic Lined, Add</i> .....1.65 <i>For Columns >12' In Length, Add</i> .....1.36		
03 11 13 00-0073 LF 18" Diameter Round Fiber Tube Formwork .....14.35 <i>For Plastic Lined, Add</i> .....1.79 <i>For Columns >12' In Length, Add</i> .....1.44		
03 11 13 00-0074 LF 20" Diameter Round Fiber Tube Formwork .....16.13 <i>For Plastic Lined, Add</i> .....2.24 <i>For Columns >12' In Length, Add</i> .....1.61		
03 11 13 00-0075 LF 22" Diameter Round Fiber Tube Formwork .....18.11 <i>For Plastic Lined, Add</i> .....2.70 <i>For Columns >12' In Length, Add</i> .....1.81		
03 11 13 00-0076 LF 24" Diameter Round Fiber Tube Formwork .....20.08 <i>For Plastic Lined, Add</i> .....3.16 <i>For Columns >12' In Length, Add</i> .....2.01		
03 11 13 00-0077 LF 26" Diameter Round Fiber Tube Formwork .....21.21 <i>For Plastic Lined, Add</i> .....3.45 <i>For Columns >12' In Length, Add</i> .....2.12		
03 11 13 00-0078 LF 28" Diameter Round Fiber Tube Formwork .....23.07 <i>For Plastic Lined, Add</i> .....3.95 <i>For Columns >12' In Length, Add</i> .....2.31		
03 11 13 00-0079 LF 30" Diameter Round Fiber Tube Formwork .....25.09 <i>For Plastic Lined, Add</i> .....4.50 <i>For Columns >12' In Length, Add</i> .....2.51		
03 11 13 00-0080 LF 36" Diameter Round Fiber Tube Formwork .....32.18 <i>For Plastic Lined, Add</i> .....6.44 <i>For Columns >12' In Length, Add</i> .....3.22		
03 11 13 00-0081 LF 42" Diameter Round Fiber Tube Formwork .....47.65 <i>For Plastic Lined, Add</i> .....10.95 <i>For Columns >12' In Length, Add</i> .....4.77		
03 11 13 00-0082 LF 48" Diameter Round Fiber Tube Formwork .....58.62 <i>For Plastic Lined, Add</i> .....14.11 <i>For Columns >12' In Length, Add</i> .....5.86		
03 11 13 00-0083 LF 54" Diameter Round Fiber Tube Formwork .....105.09 <i>For Plastic Lined, Add</i> .....27.83 <i>For Columns >12' In Length, Add</i> .....10.51		
03 11 13 00-0084 LF 60" Diameter Round Fiber Tube Formwork .....117.69 <i>For Plastic Lined, Add</i> .....31.44 <i>For Columns >12' In Length, Add</i> .....11.77		
03 11 13 00-0085 Accessories For Formwork (03 11 13)		
03 11 13 00-0086 Keyway Forms, All Materials (03 11 13 00-0085)		
03 11 13 00-0087 LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials .....0.87		
03 11 13 00-0088 Chamfer Strips, All Materials (03 11 13 00-0085)		
03 11 13 00-0089 LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials .....0.91		
03 11 13 00-0090 LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials .....1.09		
03 11 13 00-0091 LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials .....1.26		
03 11 13 00-0092 Strip Out Reglets For Concrete Formwork (03 11 13 00-0085)		
03 11 13 00-0093 LF 24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork .....4.65		
03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0085)		
03 11 13 00-0095 EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....5.24		
03 11 13 00-0096 EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....6.61		
03 11 13 00-0097 EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....8.03		
03 11 13 00-0098 EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....9.62		
03 11 13 00-0099 EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....12.52		
03 11 13 00-0100 EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....31.48		
03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)		
03 11 16 00-0001 Concrete Form Liners (03 11 16)		
03 11 16 00-0002 SF Concrete Form Liner, Various Patterns And Textures, Add To Formwork .....2.45		
03 11 23 Permanent Stair Forming (03 11)		
03 11 23 00-0001 Stairway Wood Formwork (03 11 23)		

03 Concrete**03 10 Concrete Forming And Accessories****03 11 Concrete Forming**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	6.99	
		<i>For Curved Formwork, Add</i>	2.50	
		<i>For <1,000, Add</i>	1.30	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	13.88	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		<i>For Curved Formwork, Add</i>	4.91	
		<i>For <1,000, Add</i>	2.56	

03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)

03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	5.44	
		<i>For Curved Formwork, Add</i>	2.02	
		<i>For <1,000, Add</i>	1.04	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	10.16	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		<i>For Curved Formwork, Add</i>	3.76	
		<i>For <1,000, Add</i>	1.93	

03 15 Concrete Accessories (03 10)**03 15 13 Waterstops (03 15)****03 15 13 13 Non-Expanding Waterstops (03 15 13)****03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)**

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	3.39	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	3.89	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	4.88	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	5.45	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	9.04	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	4.19	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	5.10	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	10.03	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	7.57	

03 15 13 13-0011 Rubber Waterstops (03 15 13 13)

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	4.66	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	5.67	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	5.77	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	8.93	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	6.37	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	9.07	

03 15 13 16 Expanding Waterstops (03 15 13)**03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)**

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	3.16	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	5.10	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	5.81	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	6.71	

03 15 16 Concrete Construction Joints (03 15)**03 15 16 00-0001 Poured Expansion Joint (03 15 16)**

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	1.68	0.26
		<i>For Installation In Walls, Add</i>	0.43	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	4.60	0.26
		<i>For Installation In Walls, Add</i>	0.50	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	1.37	0.26
		<i>For Installation In Walls, Add</i>	0.43	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	3.87	0.26
		<i>For Installation In Walls, Add</i>	0.50	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	2.14	0.26
		<i>For Installation In Walls, Add</i>	0.50	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, 2 Parts	4.01	0.26
		<i>For Installation In Walls, Add</i>	0.80	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	0.93	0.26
		<i>For Installation In Walls, Add</i>	0.43	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	1.34	0.26
		<i>For Installation In Walls, Add</i>	0.43	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	2.06	0.26
		<i>For Installation In Walls, Add</i>	0.50	

03 15 16 00-0011 Premolded Expansion Joints (03 15 16)**03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)**

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	0.93	0.38
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.16	0.41
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	1.27	0.43
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	1.40	0.45
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.10	0.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0018 LF 3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.29	0.41
03 15 16 00-0019 LF 3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	1.52	0.43
03 15 16 00-0020 LF 3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	1.89	0.45
03 15 16 00-0021 LF 1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	0.96	0.36
03 15 16 00-0022 LF 1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.08	0.38
03 15 16 00-0023 LF 1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.22	0.41
03 15 16 00-0024 LF 1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	1.34	0.43
03 15 16 00-0025 LF 1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	1.50	0.45
03 15 16 00-0026 LF 1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	1.74	0.47
03 15 16 00-0027 LF 1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	1.91	0.49
03 15 16 00-0028 LF 1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	2.25	0.51
03 15 16 00-0029 LF 3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.24	0.41
03 15 16 00-0030 LF 3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	1.51	0.43
03 15 16 00-0031 LF 3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	2.00	0.47
03 15 16 00-0032 SF 1" Asphalt Saturated Fiber, Premolded Expansion Joint	3.90	0.64
03 15 16 00-0033 Cork, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0034 LF 1/2" x 4" Cork, Premolded Expansion Joint	2.22	0.41
03 15 16 00-0035 LF 1/2" x 6" Cork, Premolded Expansion Joint	2.52	0.45
03 15 16 00-0036 LF 1/2" x 8" Cork, Premolded Expansion Joint	2.79	0.47
03 15 16 00-0037 LF 1/2" x 10" Cork, Premolded Expansion Joint	4.34	0.49
03 15 16 00-0038 LF 1/2" x 12" Cork, Premolded Expansion Joint	4.65	0.51
03 15 16 00-0039 SF 1/2" Cork, Premolded Expansion Joint	4.93	0.64
03 15 16 00-0040 SF 3/4" Cork, Premolded Expansion Joint	5.98	0.64
03 15 16 00-0041 SF 1" Cork, Premolded Expansion Joint	6.46	0.64
03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0043 LF 1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.04	0.41
03 15 16 00-0044 LF 1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	1.07	0.43
03 15 16 00-0045 LF 1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	1.14	0.45
03 15 16 00-0046 LF 1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	1.46	0.47
03 15 16 00-0047 LF 1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.10	0.41
03 15 16 00-0048 LF 1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	1.14	0.43
03 15 16 00-0049 LF 1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	1.18	0.45
03 15 16 00-0050 LF 1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	1.37	0.47
03 15 16 00-0051 Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0052 LF 1" Zip Strip, Premolded Expansion Joint	1.06	0.41
03 15 16 00-0053 LF 1-1/2" Zip Strip, Premolded Expansion Joint	1.20	0.43
03 15 16 00-0054 LF 2" Zip Strip, Premolded Expansion Joint	1.36	0.47
03 15 16 00-0055 Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0056 LF 1/2" x 4" Sponge Rubber, Premolded Expansion Joint	2.76	0.38
03 15 16 00-0057 LF 1/2" x 6" Sponge Rubber, Premolded Expansion Joint	3.31	0.38
03 15 16 00-0058 Asphalt Felt Control Joints Or Bond Breaker (03 15 16)		
03 15 16 00-0059 SF Asphalt Felt Control Joint, 30 LB Felt Bond Breaker	0.51	0.29
03 15 16 00-0060 SF Asphalt Felt Control Joint, 15 LB Felt Bond Breaker	0.44	0.29
03 15 16 00-0061 Keyed Cold Expansion And Control Joints (03 15 16)		
03 15 16 00-0062 24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)		
03 15 16 00-0063 LF 24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	2.40	
03 15 16 00-0064 LF 24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	2.46	
03 15 16 00-0065 LF 24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	2.56	
03 15 16 00-0066 LF 24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	2.76	
03 15 16 00-0067 LF 24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	3.67	

03 20 Concrete Reinforcing (03)

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars (03 20)

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

03 21 11 Plain Steel Reinforcement Bars (03 21)

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002 LF #3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.37	
03 21 11 00-0003 LF #4, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.63	
03 21 11 00-0004 LF #5, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.95	
03 21 11 00-0005 LF #6, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.31	
03 21 11 00-0006 LF #3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.38	
03 21 11 00-0007 LF #4, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.65	
03 21 11 00-0008 LF #5, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.35		
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.40		
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.68		
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.02		
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.41		
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.87		
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.35		
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.91		
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.59		
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.30		
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.01		
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	10.38		
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	1.47		
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	1.94		
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.45		
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.04		
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.75		
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.51		
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.30		
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	10.91		
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.41		
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.70		
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.05		
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.46		
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.93		
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.43		
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.01		
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.71		
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.46		
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.23		
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	10.78		

03 21 11 00-0040 Columns, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.38		
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	0.66		
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	0.99		
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	1.37		
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.39		
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	0.68		
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	1.01		
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	1.41		
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.41		
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	0.71		
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	1.06		
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	1.47		
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	1.94		
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	2.43		
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	3.00		
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	3.69		
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	4.42		
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	6.17		
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	10.62		
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	1.53		
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	2.01		
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	2.53		
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	3.13		
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	3.85		
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	4.63		
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	6.46		
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	11.15		
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.42		
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.73		
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.09		
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.52		
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.00		
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.51		
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.10		
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.81		
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.58		
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.39		
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	11.02		

03 21 11 00-0079 Footings, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.34		
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	0.59		
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	0.89		
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	1.23		
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.35		
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	0.61		
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	0.91		
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	1.27		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0088 LF #3, Grade 60, Footings, Steel Reinforcement Bar	0.37	
03 21 11 00-0089 LF #4, Grade 60, Footings, Steel Reinforcement Bar	0.64	
03 21 11 00-0090 LF #5, Grade 60, Footings, Steel Reinforcement Bar	0.96	
03 21 11 00-0091 LF #6, Grade 60, Footings, Steel Reinforcement Bar	1.33	
03 21 11 00-0092 LF #7, Grade 60, Footings, Steel Reinforcement Bar	1.76	
03 21 11 00-0093 LF #8, Grade 60, Footings, Steel Reinforcement Bar	2.23	
03 21 11 00-0094 LF #9, Grade 60, Footings, Steel Reinforcement Bar	2.77	
03 21 11 00-0095 LF #10, Grade 60, Footings, Steel Reinforcement Bar	3.42	
03 21 11 00-0096 LF #11, Grade 60, Footings, Steel Reinforcement Bar	4.12	
03 21 11 00-0097 LF #14, Grade 60, Footings, Steel Reinforcement Bar	5.78	
03 21 11 00-0098 LF #18, Grade 60, Footings, Steel Reinforcement Bar	10.01	
03 21 11 00-0099 LF #6, Grade 75, Footings, Steel Reinforcement Bar	1.39	
03 21 11 00-0100 LF #7, Grade 75, Footings, Steel Reinforcement Bar	1.83	
03 21 11 00-0101 LF #8, Grade 75, Footings, Steel Reinforcement Bar	2.33	
03 21 11 00-0102 LF #9, Grade 75, Footings, Steel Reinforcement Bar	2.90	
03 21 11 00-0103 LF #10, Grade 75, Footings, Steel Reinforcement Bar	3.58	
03 21 11 00-0104 LF #11, Grade 75, Footings, Steel Reinforcement Bar	4.33	
03 21 11 00-0105 LF #14, Grade 75, Footings, Steel Reinforcement Bar	6.07	
03 21 11 00-0106 LF #18, Grade 75, Footings, Steel Reinforcement Bar	10.54	
03 21 11 00-0107 LF #3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.38	
03 21 11 00-0108 LF #4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.66	
03 21 11 00-0109 LF #5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.99	
03 21 11 00-0110 LF #6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.38	
03 21 11 00-0111 LF #7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.82	
03 21 11 00-0112 LF #8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.31	
03 21 11 00-0113 LF #9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.87	
03 21 11 00-0114 LF #10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.54	
03 21 11 00-0115 LF #11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.28	
03 21 11 00-0116 LF #14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.00	
03 21 11 00-0117 LF #18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	10.41	
03 21 11 00-0118	Slab On Grade, Steel Reinforcement Bar <small>(03 21 11)</small>	
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0119 LF #3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.33	
03 21 11 00-0120 LF #4, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.57	
03 21 11 00-0121 LF #5, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.87	
03 21 11 00-0122 LF #6, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.21	
03 21 11 00-0123 LF #3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.34	
03 21 11 00-0124 LF #4, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.59	
03 21 11 00-0125 LF #5, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.89	
03 21 11 00-0126 LF #6, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.25	
03 21 11 00-0127 LF #3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.36	
03 21 11 00-0128 LF #4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.62	
03 21 11 00-0129 LF #5, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.94	
03 21 11 00-0130 LF #6, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.31	
03 21 11 00-0131 LF #7, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.73	
03 21 11 00-0132 LF #8, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.18	
03 21 11 00-0133 LF #9, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.72	
03 21 11 00-0134 LF #10, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.37	
03 21 11 00-0135 LF #11, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.06	
03 21 11 00-0136 LF #14, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.70	
03 21 11 00-0137 LF #18, Grade 60, Slab On Grade, Steel Reinforcement Bar	9.87	
03 21 11 00-0138 LF #6, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.37	
03 21 11 00-0139 LF #7, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.80	
03 21 11 00-0140 LF #8, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.28	
03 21 11 00-0141 LF #9, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.85	
03 21 11 00-0142 LF #10, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.53	
03 21 11 00-0143 LF #11, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.27	
03 21 11 00-0144 LF #14, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.99	
03 21 11 00-0145 LF #18, Grade 75, Slab On Grade, Steel Reinforcement Bar	10.40	
03 21 11 00-0146 LF #3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.37	
03 21 11 00-0147 LF #4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.64	
03 21 11 00-0148 LF #5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.97	
03 21 11 00-0149 LF #6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.36	
03 21 11 00-0150 LF #7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.79	
03 21 11 00-0151 LF #8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.26	
03 21 11 00-0152 LF #9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.82	
03 21 11 00-0153 LF #10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.49	
03 21 11 00-0154 LF #11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.22	
03 21 11 00-0155 LF #14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.92	
03 21 11 00-0156 LF #18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	10.27	
03 21 11 00-0157	Elevated Slabs, Steel Reinforcement Bar <small>(03 21 11)</small>	
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0158 LF #3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.31	
03 21 11 00-0159 LF #4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.54	
03 21 11 00-0160 LF #5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.83	
03 21 11 00-0161 LF #6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.15	
03 21 11 00-0162 LF #3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.32	
03 21 11 00-0163 LF #4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.56	
03 21 11 00-0164 LF #5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.85	
03 21 11 00-0165 LF #6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.19	
03 21 11 00-0166 LF #3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.34	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.59		
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.90		
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.25		
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.66		
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.10		
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.62		
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.26		
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.93		
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.54		
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	9.63		
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.31		
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.73		
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.20		
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.75		
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.42		
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.14		
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.83		
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	10.16		
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.35		
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.61		
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.93		
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.30		
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.72		
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.18		
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.72		
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.38		
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.09		
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.76		
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	10.03		

03 21 11 00-0196 Walls, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.30		
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	0.53		
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	0.81		
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	1.12		
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.31		
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	0.55		
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	0.83		
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	1.16		
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.33		
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	0.58		
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	0.88		
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	1.22		
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	1.63		
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	2.06		
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	2.57		
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	3.21		
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	3.88		
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	5.47		
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	9.51		
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	1.28		
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	1.70		
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	2.16		
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	2.70		
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	3.37		
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	4.09		
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	5.76		
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	10.04		
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.34		
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.60		
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.91		
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.27		
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.69		
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.14		
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.67		
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.33		
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.04		
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.69		
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	9.91		

03 21 11 00-0235 Mechanical Joint Connection (03 21 11)

03 21 11 00-0236 Thermal Type Mechanical Joint Connection (03 21 11 00-0235)

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	135.83		
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03 21 11 00-0238 Screwed Type Mechanical Joint Connection (03 21 11 00-0235)

03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	73.13		
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03 21 11 00-0240 Deformed Straight Dowels (03 21 11)

Note: Excludes drilling. See CSI section 02 41 19 13-0197 for drilling in concrete.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0241	EA		3/8" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	1.33 -0.26 -0.13	
03 21 11 00-0242	EA		1/2" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	1.64 -0.34 -0.17	
03 21 11 00-0243	EA		5/8" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	2.17 -0.54 -0.27	
03 21 11 00-0244	EA		3/4" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	2.81 -0.78 -0.39	
03 21 11 00-0245	EA		7/8" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	3.55 -1.08 -0.54	
03 21 11 00-0246	EA		1" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	4.51 -1.39 -0.70	
03 21 11 00-0247	EA		1-1/8" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	5.43 -1.72 -0.86	
03 21 11 00-0248	EA		1-1/4" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	6.86 -2.24 -1.12	
03 21 11 00-0249	EA		1-3/8" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	8.29 -2.77 -1.39	
03 21 11 00-0250			Spirals, Reinforcing Steel <small>(03 21 11)</small>		
03 21 11 00-0251	TON		Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,236.87 186.53	
03 21 11 00-0252	TON		>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,218.87 186.53	
03 21 11 00-0253	TON		>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,218.87 186.53	
03 21 11 00-0254	TON		>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,182.70 186.53	
03 21 11 00-0255	TON		>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,152.35 186.53	
03 21 11 00-0256	TON		>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,183.49 191.12	
03 21 11 00-0257	TON		>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,158.08 191.12	
03 21 11 00-0258			Accessories For Reinforcing Steel <small>(03 21 11)</small>		
03 21 11 00-0259			Reinforcing Steel Weld Splice <small>(03 21 11 00-0258)</small>		
03 21 11 00-0260	EA		Up To #6 Reinforcing Steel Weld Splice	19.52	
03 21 11 00-0261	EA		>#6 Reinforcing Steel Weld Splice.....	28.24	
03 21 11 00-0262			Reinforcing Steel Sleeve And Wedge Splice Joint <small>(03 21 11 00-0258)</small>		
03 21 11 00-0263	EA		Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	17.07	
03 21 11 00-0264	EA		#5 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	28.18	
03 21 11 00-0265	EA		#6 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	44.30	
03 21 13			Galvanized Reinforcement Steel Bars <small>(03 21)</small>		
03 21 13 00-0001			Beams And Girders, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small> Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0002	LF		#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.47	
03 21 13 00-0003	LF		#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.81	
03 21 13 00-0004	LF		#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.22	
03 21 13 00-0005	LF		#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.71	
03 21 13 00-0006	LF		#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.48	
03 21 13 00-0007	LF		#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.83	
03 21 13 00-0008	LF		#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.25	
03 21 13 00-0009	LF		#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.75	
03 21 13 00-0010	LF		#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	0.50	
03 21 13 00-0011	LF		#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	0.85	
03 21 13 00-0012	LF		#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.29	
03 21 13 00-0013	LF		#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.81	
03 21 13 00-0014	LF		#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.41	
03 21 13 00-0015	LF		#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.05	
03 21 13 00-0016	LF		#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.81	
03 21 13 00-0017	LF		#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.72	
03 21 13 00-0018	LF		#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.71	
03 21 13 00-0019	LF		#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	8.03	
03 21 13 00-0020	LF		#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	13.97	
03 21 13 00-0021	LF		#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	1.87	
03 21 13 00-0022	LF		#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.48	
03 21 13 00-0023	LF		#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.16	
03 21 13 00-0024	LF		#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.94	
03 21 13 00-0025	LF		#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21	13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.91	
03 21	13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.32	
03 21	13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	14.50	

03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21	13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.48	
03 21	13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.84	
03 21	13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.26	
03 21	13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.77	
03 21	13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.49	
03 21	13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.86	
03 21	13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.29	
03 21	13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.81	
03 21	13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.51	
03 21	13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.88	
03 21	13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.33	
03 21	13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.87	
03 21	13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.48	
03 21	13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.13	
03 21	13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.90	
03 21	13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.82	
03 21	13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.83	
03 21	13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	8.19	
03 21	13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	14.21	
03 21	13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	1.93	
03 21	13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.55	
03 21	13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.24	
03 21	13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.03	
03 21	13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.99	
03 21	13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.03	
03 21	13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.48	
03 21	13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	14.74	

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21	13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.44	
03 21	13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.77	
03 21	13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.16	
03 21	13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.63	
03 21	13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.45	
03 21	13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.79	
03 21	13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.19	
03 21	13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.67	
03 21	13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.47	
03 21	13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.81	
03 21	13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.23	
03 21	13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.73	
03 21	13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.30	
03 21	13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.93	
03 21	13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.67	
03 21	13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.55	
03 21	13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.53	
03 21	13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.80	
03 21	13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	13.60	
03 21	13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	1.79	
03 21	13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.37	
03 21	13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.04	
03 21	13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.80	
03 21	13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.72	
03 21	13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.73	
03 21	13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.09	
03 21	13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	14.13	

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21	13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.43	
03 21	13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.75	
03 21	13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.14	
03 21	13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.61	
03 21	13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.44	
03 21	13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.77	
03 21	13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.17	
03 21	13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.65	
03 21	13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.46	
03 21	13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.79	
03 21	13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.21	
03 21	13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.71	
03 21	13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.27	
03 21	13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.88	
03 21	13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.62	
03 21	13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.47	
03 21	13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.72	
03 21	13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	13.46	
03 21	13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	1.77	
03 21	13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.34	
03 21	13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.99	
03 21	13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.75	
03 21	13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.67	
03 21	13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.67	
03 21	13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.01	
03 21	13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	13.99	
03 21 13 00-0113		Elevated Slabs, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>			
Note: ASTM A-767 Hot Dipped Galvanized Steel.					
03 21	13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.41	
03 21	13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.72	
03 21	13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.10	
03 21	13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.55	
03 21	13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.42	
03 21	13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.74	
03 21	13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.13	
03 21	13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.59	
03 21	13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.44	
03 21	13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.76	
03 21	13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.17	
03 21	13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.65	
03 21	13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.20	
03 21	13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.80	
03 21	13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.52	
03 21	13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.39	
03 21	13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.34	
03 21	13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.56	
03 21	13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	13.22	
03 21	13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.71	
03 21	13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.27	
03 21	13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.91	
03 21	13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.65	
03 21	13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.56	
03 21	13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.54	
03 21	13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.85	
03 21	13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	13.75	
03 21 13 00-0141		Walls, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>			
Note: ASTM A-767 Hot Dipped Galvanized Steel.					
03 21	13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.40	
03 21	13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.71	
03 21	13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.08	
03 21	13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.52	
03 21	13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.41	
03 21	13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.73	
03 21	13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.11	
03 21	13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.56	
03 21	13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.43	
03 21	13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.75	
03 21	13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.15	
03 21	13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.62	
03 21	13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.17	
03 21	13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.76	
03 21	13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.47	
03 21	13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.34	
03 21	13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.29	
03 21	13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.49	
03 21	13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	13.10	
03 21	13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	1.68	
03 21	13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.24	
03 21	13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.87	
03 21	13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.60	
03 21	13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.51	
03 21	13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.49	
03 21	13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.78	
03 21	13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	13.63	
03 21 16		Epoxy-Coated Reinforcement Steel Bars <small>(03 21)</small>			
03 21 16 00-0001		Beams And Girders, Epoxy Coated Steel Reinforcement Bar <small>(03 21 16)</small>			
Note: ASTM A-775 Epoxy Coated Steel.					
03 21	16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.46	
03 21	16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.79	
03 21	16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.19	
03 21	16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.67	
03 21	16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.47	
03 21	16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.81	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.22	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.71	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.49	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.83	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.26	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.76	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.35	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.98	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.71	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.60	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.55	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.81	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	13.58	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.82	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.43	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.08	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.84	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.77	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.76	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.10	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	14.11	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.47	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.82	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.23	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.73	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.48	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.84	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.26	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.77	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.50	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.86	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.30	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.82	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.42	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.06	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.80	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.70	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.67	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	7.97	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	13.82	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	1.88	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.50	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.16	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.93	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.87	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.88	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.26	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	14.35	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.43	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.75	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.13	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.59	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.44	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.77	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.16	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.63	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.46	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.79	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.20	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.68	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.24	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.86	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.57	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.43	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.37	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.58	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	13.21	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	1.74	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.32	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.96	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.70	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.60	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.58	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	7.87	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	13.74	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 16 00-0085

Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.42
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.73
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.11
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.57
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.43
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.75
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.14
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.61
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.45
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.77
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.18
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.66
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.21
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.81
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.52
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.38
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.31
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.50
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	13.07
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.72
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.29
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.91
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.65
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.55
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.52
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.79
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	13.60

03 21 16 00-0113

Elevated Slabs, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.40
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.70
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.07
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.51
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.41
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.72
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.10
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.55
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.43
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.74
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.14
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.60
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.14
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.73
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.42
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.27
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.18
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.34
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	12.83
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.66
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.22
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.83
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.55
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.44
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.39
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.63
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	13.36

03 21 16 00-0141

Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.39
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.69
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.05
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.48
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.40
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.71
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.08
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.52
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.42
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.73
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.12
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.57
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.11
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.69
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.37
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.22
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.13
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.27
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	12.71
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.63



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21	16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.19	
03 21	16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.79	
03 21	16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.50	
03 21	16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.39	
03 21	16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.34	
03 21	16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.56	
03 21	16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	13.24	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels ^(03 21 16)

Note: Excludes drilling. See CSI section 02 41 19 13-0197 for drilling in concrete.

03 21	16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	1.65	
			<i>For Up To 12" Length, Deduct</i>	-0.36	
			<i>For >12" To <24" Length, Deduct</i>	-0.18	
03 21	16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	2.16	
			<i>For Up To 12" Length, Deduct</i>	-0.55	
			<i>For >12" To <24" Length, Deduct</i>	-0.28	
03 21	16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	2.87	
			<i>For Up To 12" Length, Deduct</i>	-0.82	
			<i>For >12" To <24" Length, Deduct</i>	-0.41	
03 21	16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	3.59	
			<i>For Up To 12" Length, Deduct</i>	-1.09	
			<i>For >12" To <24" Length, Deduct</i>	-0.55	
03 21	16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	4.65	
			<i>For Up To 12" Length, Deduct</i>	-1.48	
			<i>For >12" To <24" Length, Deduct</i>	-0.74	
03 21	16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.60	
			<i>For Up To 12" Length, Deduct</i>	-1.83	
			<i>For >12" To <24" Length, Deduct</i>	-0.91	
03 21	16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.73	
			<i>For Up To 12" Length, Deduct</i>	-2.21	
			<i>For >12" To <24" Length, Deduct</i>	-1.11	
03 21	16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	8.12	
			<i>For Up To 12" Length, Deduct</i>	-2.68	
			<i>For >12" To <24" Length, Deduct</i>	-1.34	

03 22 Fabric And Grid Reinforcing ^(03 20)

03 22 11 Plain Welded Wire Fabric Reinforcing ^(03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs ^(03 22 11)

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22	11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.44	
			<i>For >5 Ton, Deduct</i>	-0.06	
03 22	11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.51	
			<i>For >5 Ton, Deduct</i>	-0.07	
03 22	11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	0.59	
			<i>For >5 Ton, Deduct</i>	-0.08	
03 22	11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	0.73	
			<i>For >5 Ton, Deduct</i>	-0.10	
03 22	11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.54	
			<i>For >5 Ton, Deduct</i>	-0.07	
03 22	11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.62	
			<i>For >5 Ton, Deduct</i>	-0.08	
03 22	11 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	0.84	
			<i>For >5 Ton, Deduct</i>	-0.11	
03 22	11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	0.99	
			<i>For >5 Ton, Deduct</i>	-0.12	
03 22	11 00-0010	SF	2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9).....	0.96	
			<i>For >5 Ton, Deduct</i>	-0.12	

03 22 13 Galvanized Welded Wire Fabric Reinforcing ^(03 22)

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs ^(03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22	13 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.51	
			<i>For >5 Ton, Deduct</i>	-0.07	
03 22	13 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.59	
			<i>For >5 Ton, Deduct</i>	-0.08	
03 22	13 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	0.70	
			<i>For >5 Ton, Deduct</i>	-0.09	
03 22	13 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	0.89	
			<i>For >5 Ton, Deduct</i>	-0.11	
03 22	13 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.64	
			<i>For >5 Ton, Deduct</i>	-0.08	
03 22	13 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.75	
			<i>For >5 Ton, Deduct</i>	-0.10	
03 22	13 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.04	
			<i>For >5 Ton, Deduct</i>	-0.13	
03 22	13 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.25	
			<i>For >5 Ton, Deduct</i>	-0.15	



Concrete	03	03
Concrete Reinforcing	03 20	
Fabric And Grid Reinforcing	03 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 22 13 00-0010	Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns <small>(03 22 13)</small> Note: Includes bar chairs. Under 5 tons.	
03 22 13 00-0011	SF 2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5)..... For >5 Ton, Deduct	1.65 -0.24

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing (03 22)

03 22 16 00-0001	Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs <small>(03 22 16)</small> Note: Includes bar chairs. Under 5 tons.	
03 22 16 00-0002	SF 6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)..... For >5 Ton, Deduct	0.51 -0.07
03 22 16 00-0003	SF 6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)..... For >5 Ton, Deduct	0.58 -0.08
03 22 16 00-0004	SF 6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)..... For >5 Ton, Deduct	0.69 -0.09
03 22 16 00-0005	SF 6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)..... For >5 Ton, Deduct	0.87 -0.11
03 22 16 00-0006	SF 4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)..... For >5 Ton, Deduct	0.63 -0.08
03 22 16 00-0007	SF 4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)..... For >5 Ton, Deduct	0.73 -0.09
03 22 16 00-0008	SF 4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)..... For >5 Ton, Deduct	1.01 -0.12
03 22 16 00-0009	SF 4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)..... For >5 Ton, Deduct	1.21 -0.15

03 30 Cast-In-Place Concrete (03)

See CSI section 01 74 19 00-0028 for hauling over 15 miles.

03 31 Structural Concrete (03 30)

03 31 13 Heavyweight Structural Concrete (03 31)

Note: Includes delivery and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 00 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001	Concrete Assemblies <small>(03 31 13)</small>	
03 31 13 00-0002	3,000 PSI Slab On Grade Concrete Slabs Assemblies <small>(03 31 13 00-0001)</small> Note: Includes forms, welded wire reinforcement (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 00 00-0001 for color additive alternative, 03 31 13 00-0085 for concrete pumping equipment.	
03 31 13 00-0003	SF 4" 3,000 PSI Slab On Grade Concrete Slabs Assembly..... For 2,000 PSI Concrete, Deduct For 2,500 PSI Concrete, Deduct For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For Reinforcing Rods Are At 18" On Center, Deduct For Reinforcing Rods Are At 24" On Center, Deduct For Up To 500, Add For >500 To 1,000, Add For >1,000 To 2,000, Add For >2,000 To 5,000, Add For >10,000 To 20,000, Deduct For >20,000 To 35,000, Deduct For >35,000 To 50,000, Deduct For >50,000 To 70,000, Deduct For >70,000, Deduct	4.24 -0.16 -0.08 0.06 0.19 -0.13 -0.40 1.34 0.95 0.55 0.27 -0.15 -0.26 -0.36 -0.47 -0.57
03 31 13 00-0004	SF 5" 3,000 PSI Slab On Grade Concrete Slabs Assembly..... For 2,000 PSI Concrete, Deduct For 2,500 PSI Concrete, Deduct For 3,500 PSI Concrete, Add For 4,000 PSI Concrete, Add For Reinforcing Rods Are At 18" On Center, Deduct For Reinforcing Rods Are At 24" On Center, Deduct For Up To 500, Add For >500 To 1,000, Add For >1,000 To 2,000, Add For >2,000 To 5,000, Add For >10,000 To 20,000, Deduct For >20,000 To 35,000, Deduct For >35,000 To 50,000, Deduct For >50,000 To 70,000, Deduct For >70,000, Deduct	4.70 -0.18 -0.09 0.06 0.21 -0.13 -0.40 1.46 1.03 0.60 0.30 -0.17 -0.29 -0.41 -0.52 -0.64



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-005	SF		6" 3,000 PSI Slab On Grade Concrete Slabs Assembly	5.38	
			For 2,000 PSI Concrete, Deduct	-0.22	
			For 2,500 PSI Concrete, Deduct	-0.11	
			For 3,500 PSI Concrete, Add	0.08	
			For 4,000 PSI Concrete, Add	0.25	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	1.63	
			For >500 To 1,000, Add	1.15	
			For >1,000 To 2,000, Add	0.68	
			For >2,000 To 5,000, Add	0.34	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000 To 35,000, Deduct	-0.33	
			For >35,000 To 50,000, Deduct	-0.47	
			For >50,000 To 70,000, Deduct	-0.60	
			For >70,000, Deduct	-0.74	
03 31 13 00-006	SF		7" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.03	
			For 2,000 PSI Concrete, Deduct	-0.25	
			For 2,500 PSI Concrete, Deduct	-0.12	
			For 3,500 PSI Concrete, Add	0.09	
			For 4,000 PSI Concrete, Add	0.29	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	1.78	
			For >500 To 1,000, Add	1.26	
			For >1,000 To 2,000, Add	0.75	
			For >2,000 To 5,000, Add	0.37	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000 To 35,000, Deduct	-0.38	
			For >35,000 To 50,000, Deduct	-0.53	
			For >50,000 To 70,000, Deduct	-0.68	
			For >70,000, Deduct	-0.83	
03 31 13 00-007	SF		8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.57	
			For 2,000 PSI Concrete, Deduct	-0.27	
			For 2,500 PSI Concrete, Deduct	-0.14	
			For 3,500 PSI Concrete, Add	0.10	
			For 4,000 PSI Concrete, Add	0.32	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	1.91	
			For >500 To 1,000, Add	1.36	
			For >1,000 To 2,000, Add	0.81	
			For >2,000 To 5,000, Add	0.40	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000 To 35,000, Deduct	-0.42	
			For >35,000 To 50,000, Deduct	-0.58	
			For >50,000 To 70,000, Deduct	-0.75	
			For >70,000, Deduct	-0.91	
03 31 13 00-008	SF		10" 3,000 PSI Slab On Grade Concrete Slabs Assembly	8.03	
			For 2,000 PSI Concrete, Deduct	-0.35	
			For 2,500 PSI Concrete, Deduct	-0.17	
			For 3,500 PSI Concrete, Add	0.12	
			For 4,000 PSI Concrete, Add	0.40	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	2.25	
			For >500 To 1,000, Add	1.61	
			For >1,000 To 2,000, Add	0.96	
			For >2,000 To 5,000, Add	0.48	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000 To 35,000, Deduct	-0.52	
			For >35,000 To 50,000, Deduct	-0.72	
			For >50,000 To 70,000, Deduct	-0.92	
			For >70,000, Deduct	-1.12	
03 31 13 00-009	SF		12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	9.11	
			For 2,000 PSI Concrete, Deduct	-0.40	
			For 2,500 PSI Concrete, Deduct	-0.20	
			For 3,500 PSI Concrete, Add	0.14	
			For 4,000 PSI Concrete, Add	0.47	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	2.51	
			For >500 To 1,000, Add	1.80	
			For >1,000 To 2,000, Add	1.08	
			For >2,000 To 5,000, Add	0.54	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000 To 35,000, Deduct	-0.60	
			For >35,000 To 50,000, Deduct	-0.83	
			For >50,000 To 70,000, Deduct	-1.05	
			For >70,000, Deduct	-1.28	

03 31 13 00-0010	Concrete Delivery And Placement	(03 31 13)	Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 00 00-0001 for admixtures.
03 31 13 00-0011	Place Concrete By Method Indicated	(03 31 13 00-0010)	Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 31 13 00-0085 for concrete pumping equipment.
03 31 13 00-0012	Place Concrete Pile Caps	(03 31 13 00-0011)	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0013 CY Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	144.94	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	19.46	
For >20 To 50, Add	7.30	
For >100 To 200, Deduct	-2.90	
For >200 To 400, Deduct	-5.80	
For >400, Deduct	-8.70	
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps	114.30	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	7.20	
For >20 To 50, Add	2.70	
For >100 To 200, Deduct	-2.29	
For >200 To 400, Deduct	-4.57	
For >400, Deduct	-6.86	
03 31 13 00-0015 CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps	121.46	
Note: Excludes pumping equipment.		
For 2,500 PSI Concrete, Deduct	-2.82	
For 3,500 PSI Concrete, Add	5.22	
For 4,000 PSI Concrete, Add	8.97	
For 4,500 PSI Concrete, Add	10.43	
For 5,000 PSI Concrete, Add	11.89	
For White Cement Concrete, Add	12.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.56	
For High Early Strength, Type 3 ASTM C150, Add	10.43	
For Lightweight Aggregate, ASTM C330, Add	31.30	
For Up To 20, Add	6.86	
For >20 To 50, Add	2.57	
For >100 To 200, Deduct	-2.43	
For >200 To 400, Deduct	-4.86	
For >400, Deduct	-7.29	
03 31 13 00-0016 Place Concrete Continuous Footings (03 31 13 00-0011)	139.54	
03 31 13 00-0017 CY Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	139.54	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	17.30	
For >20 To 50, Add	6.49	
For >100 To 200, Deduct	-2.79	
For >200 To 400, Deduct	-5.58	
For >400, Deduct	-8.37	
03 31 13 00-0018 CY Direct Chute, Place 3,000 PSI Concrete Continuous Footings	112.30	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	6.40	
For >20 To 50, Add	2.40	
For >100 To 200, Deduct	-2.25	
For >200 To 400, Deduct	-4.49	
For >400, Deduct	-6.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0019	CY		Concrete Pump, Place 3,000 PSI Concrete Continuous Footings	119.56	
			Note: Excludes pumping equipment.		
			For 2,500 PSI Concrete, Deduct	-2.82	
			For 3,500 PSI Concrete, Add	5.22	
			For 4,000 PSI Concrete, Add	8.97	
			For 4,500 PSI Concrete, Add	10.43	
			For 5,000 PSI Concrete, Add	11.89	
			For White Cement Concrete, Add	12.52	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.56	
			For High Early Strength, Type 3 ASTM C150, Add	10.43	
			For Lightweight Aggregate, ASTM C330, Add	31.30	
			For Up To 20, Add	6.10	
			For >20 To 50, Add	2.29	
			For >100 To 200, Deduct	-2.39	
			For >200 To 400, Deduct	-4.78	
			For >400, Deduct	-7.17	
03 31 13 00-0020			Place Concrete Spread Footings (03 31 13 00-0011)		
03 31 13 00-0021	CY		Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	169.27	
			For 2,500 PSI Concrete, Deduct	-2.60	
			For 3,500 PSI Concrete, Add	4.82	
			For 4,000 PSI Concrete, Add	8.28	
			For 4,500 PSI Concrete, Add	9.63	
			For 5,000 PSI Concrete, Add	10.98	
			For White Cement Concrete, Add	11.56	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
			For High Early Strength, Type 3 ASTM C150, Add	9.63	
			For Lightweight Aggregate, ASTM C330, Add	28.89	
			For Up To 20, Add	29.19	
			For >20 To 50, Add	10.95	
			For >100 To 200, Deduct	-3.39	
			For >200 To 400, Deduct	-6.77	
			For >400, Deduct	-10.16	
03 31 13 00-0022	CY		Direct Chute, Place 3,000 PSI Concrete Spread Footings.....	123.30	
			For 2,500 PSI Concrete, Deduct	-2.60	
			For 3,500 PSI Concrete, Add	4.82	
			For 4,000 PSI Concrete, Add	8.28	
			For 4,500 PSI Concrete, Add	9.63	
			For 5,000 PSI Concrete, Add	10.98	
			For White Cement Concrete, Add	11.56	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
			For High Early Strength, Type 3 ASTM C150, Add	9.63	
			For Lightweight Aggregate, ASTM C330, Add	28.89	
			For Up To 20, Add	10.80	
			For >20 To 50, Add	4.05	
			For >100 To 200, Deduct	-2.47	
			For >200 To 400, Deduct	-4.93	
			For >400, Deduct	-7.40	
03 31 13 00-0023	CY		Concrete Pump, Place 3,000 PSI Concrete Spread Footings.....	130.04	
			Note: Excludes pumping equipment.		
			For 2,500 PSI Concrete, Deduct	-2.82	
			For 3,500 PSI Concrete, Add	5.22	
			For 4,000 PSI Concrete, Add	8.97	
			For 4,500 PSI Concrete, Add	10.43	
			For 5,000 PSI Concrete, Add	11.89	
			For White Cement Concrete, Add	12.52	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.56	
			For High Early Strength, Type 3 ASTM C150, Add	10.43	
			For Lightweight Aggregate, ASTM C330, Add	31.30	
			For Up To 20, Add	10.29	
			For >20 To 50, Add	3.86	
			For >100 To 200, Deduct	-2.60	
			For >200 To 400, Deduct	-5.20	
			For >400, Deduct	-7.80	
03 31 13 00-0024			Place Concrete Mat Foundation (03 31 13 00-0011)		
03 31 13 00-0025	CY		Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	109.27	
			For 2,500 PSI Concrete, Deduct	-2.60	
			For 3,500 PSI Concrete, Add	4.82	
			For 4,000 PSI Concrete, Add	8.28	
			For 4,500 PSI Concrete, Add	9.63	
			For 5,000 PSI Concrete, Add	10.98	
			For White Cement Concrete, Add	11.56	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
			For High Early Strength, Type 3 ASTM C150, Add	9.63	
			For Lightweight Aggregate, ASTM C330, Add	28.89	
			For Up To 20, Add	5.19	
			For >20 To 50, Add	1.95	
			For >100 To 200, Deduct	-2.19	
			For >200 To 400, Deduct	-4.37	
			For >400, Deduct	-6.56	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0026 CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	101.10	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	1.92	
For >20 To 50, Add	0.72	
For >100 To 200, Deduct	-2.02	
For >200 To 400, Deduct	-4.04	
For >400, Deduct	-6.07	
03 31 13 00-0027 CY Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	108.32	
Note: Excludes pumping equipment.		
For 2,500 PSI Concrete, Deduct	-2.82	
For 3,500 PSI Concrete, Add	5.22	
For 4,000 PSI Concrete, Add	8.97	
For 4,500 PSI Concrete, Add	10.43	
For 5,000 PSI Concrete, Add	11.89	
For White Cement Concrete, Add	12.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.56	
For High Early Strength, Type 3 ASTM C150, Add	10.43	
For Lightweight Aggregate, ASTM C330, Add	31.30	
For Up To 20, Add	1.60	
For >20 To 50, Add	0.60	
For >100 To 200, Deduct	-2.17	
For >200 To 400, Deduct	-4.33	
For >400, Deduct	-6.50	
03 31 13 00-0028 Place Concrete Grade Beams (03 31 13 00-0011)		
03 31 13 00-0029 CY Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	130.90	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	13.84	
For >20 To 50, Add	5.19	
For >100 To 200, Deduct	-2.62	
For >200 To 400, Deduct	-5.24	
For >400, Deduct	-7.85	
03 31 13 00-0030 CY Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	109.10	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	5.12	
For >20 To 50, Add	1.92	
For >100 To 200, Deduct	-2.18	
For >200 To 400, Deduct	-4.36	
For >400, Deduct	-6.55	
03 31 13 00-0031 CY Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	116.51	
Note: Excludes pumping equipment.		
For 2,500 PSI Concrete, Deduct	-2.82	
For 3,500 PSI Concrete, Add	5.22	
For 4,000 PSI Concrete, Add	8.97	
For 4,500 PSI Concrete, Add	10.43	
For 5,000 PSI Concrete, Add	11.89	
For White Cement Concrete, Add	12.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.56	
For High Early Strength, Type 3 ASTM C150, Add	10.43	
For Lightweight Aggregate, ASTM C330, Add	31.30	
For Up To 20, Add	4.88	
For >20 To 50, Add	1.83	
For >100 To 200, Deduct	-2.33	
For >200 To 400, Deduct	-4.66	
For >400, Deduct	-6.99	
03 31 13 00-0032 Place Concrete Slab On Grade (03 31 13 00-0011)		

03 Concrete
03 30 Cast-In-Place Concrete
03 31 Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	131.71	
		<i>For 2,500 PSI Concrete, Deduct</i>	-2.60	
		<i>For 3,500 PSI Concrete, Add</i>	4.82	
		<i>For 4,000 PSI Concrete, Add</i>	8.28	
		<i>For 4,500 PSI Concrete, Add</i>	9.63	
		<i>For 5,000 PSI Concrete, Add</i>	10.98	
		<i>For White Cement Concrete, Add</i>	11.56	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	12.52	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	9.63	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	28.89	
		<i>For Up To 20, Add</i>	14.16	
		<i>For >20 To 50, Add</i>	5.31	
		<i>For >100 To 200, Deduct</i>	-2.63	
		<i>For >200 To 400, Deduct</i>	-5.27	
		<i>For >400, Deduct</i>	-7.90	
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	123.16	
		<i>For 2,500 PSI Concrete, Deduct</i>	-2.60	
		<i>For 3,500 PSI Concrete, Add</i>	4.82	
		<i>For 4,000 PSI Concrete, Add</i>	8.28	
		<i>For 4,500 PSI Concrete, Add</i>	9.63	
		<i>For 5,000 PSI Concrete, Add</i>	10.98	
		<i>For White Cement Concrete, Add</i>	11.56	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	12.52	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	9.63	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	28.89	
		<i>For Up To 20, Add</i>	10.74	
		<i>For >20 To 50, Add</i>	4.03	
		<i>For >100 To 200, Deduct</i>	-2.46	
		<i>For >200 To 400, Deduct</i>	-4.93	
		<i>For >400, Deduct</i>	-7.39	
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	109.41	
		<i>For 2,500 PSI Concrete, Deduct</i>	-2.60	
		<i>For 3,500 PSI Concrete, Add</i>	4.82	
		<i>For 4,000 PSI Concrete, Add</i>	8.28	
		<i>For 4,500 PSI Concrete, Add</i>	9.63	
		<i>For 5,000 PSI Concrete, Add</i>	10.98	
		<i>For White Cement Concrete, Add</i>	11.56	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	12.52	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	9.63	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	28.89	
		<i>For Up To 20, Add</i>	5.24	
		<i>For >20 To 50, Add</i>	1.97	
		<i>For >100 To 200, Deduct</i>	-2.19	
		<i>For >200 To 400, Deduct</i>	-4.38	
		<i>For >400, Deduct</i>	-6.56	
03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	106.24	
		<i>For 2,500 PSI Concrete, Deduct</i>	-2.60	
		<i>For 3,500 PSI Concrete, Add</i>	4.82	
		<i>For 4,000 PSI Concrete, Add</i>	8.28	
		<i>For 4,500 PSI Concrete, Add</i>	9.63	
		<i>For 5,000 PSI Concrete, Add</i>	10.98	
		<i>For White Cement Concrete, Add</i>	11.56	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	12.52	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	9.63	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	28.89	
		<i>For Up To 20, Add</i>	3.98	
		<i>For >20 To 50, Add</i>	1.49	
		<i>For >100 To 200, Deduct</i>	-2.12	
		<i>For >200 To 400, Deduct</i>	-4.25	
		<i>For >400, Deduct</i>	-6.37	
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	115.24	
		Note: Excludes pumping equipment.		
		<i>For 2,500 PSI Concrete, Deduct</i>	-2.82	
		<i>For 3,500 PSI Concrete, Add</i>	5.22	
		<i>For 4,000 PSI Concrete, Add</i>	8.97	
		<i>For 4,500 PSI Concrete, Add</i>	10.43	
		<i>For 5,000 PSI Concrete, Add</i>	11.89	
		<i>For White Cement Concrete, Add</i>	12.52	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	13.56	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	10.43	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	31.30	
		<i>For Up To 20, Add</i>	4.37	
		<i>For >20 To 50, Add</i>	1.64	
		<i>For >100 To 200, Deduct</i>	-2.30	
		<i>For >200 To 400, Deduct</i>	-4.61	
		<i>For >400, Deduct</i>	-6.91	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0038 CY >6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade 112.60 Note: Excludes pumping equipment. For 2,500 PSI Concrete, Deduct -2.82 For 3,500 PSI Concrete, Add 5.22 For 4,000 PSI Concrete, Add 8.97 For 4,500 PSI Concrete, Add 10.43 For 5,000 PSI Concrete, Add 11.89 For White Cement Concrete, Add 12.52 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 13.56 For High Early Strength, Type 3 ASTM C150, Add 10.43 For Lightweight Aggregate, ASTM C330, Add 31.30 For Up To 20, Add 3.31 For >20 To 50, Add 1.24 For >100 To 200, Deduct -2.25 For >200 To 400, Deduct -4.50 For >400, Deduct -6.76		
03 31 13 00-0039 Place Concrete Duct Bank (03 31 13 00-0011)		
03 31 13 00-0040 CY Direct Chute, Place 3,000 PSI Concrete Duct Bank 107.15 For 2,500 PSI Concrete, Deduct -2.60 For 3,500 PSI Concrete, Add 4.82 For 4,000 PSI Concrete, Add 8.28 For 4,500 PSI Concrete, Add 9.63 For 5,000 PSI Concrete, Add 10.98 For White Cement Concrete, Add 11.56 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 12.52 For High Early Strength, Type 3 ASTM C150, Add 9.63 For Lightweight Aggregate, ASTM C330, Add 28.89 For Up To 20, Add 4.34 For >20 To 50, Add 1.63 For >100 To 200, Deduct -2.14 For >200 To 400, Deduct -4.29 For >400, Deduct -6.43		
03 31 13 00-0041 Place Concrete Stairs (03 31 13 00-0011)		
03 31 13 00-0042 CY Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs 255.60 For 2,500 PSI Concrete, Deduct -2.60 For 3,500 PSI Concrete, Add 4.82 For 4,000 PSI Concrete, Add 8.28 For 4,500 PSI Concrete, Add 9.63 For 5,000 PSI Concrete, Add 10.98 For White Cement Concrete, Add 11.56 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 12.52 For High Early Strength, Type 3 ASTM C150, Add 9.63 For Lightweight Aggregate, ASTM C330, Add 28.89 For Up To 20, Add 63.72 For >20 To 50, Add 23.90 For >100 To 200, Deduct -5.11 For >200 To 400, Deduct -10.22 For >400, Deduct -15.34		
03 31 13 00-0043 CY Direct Chute, Place 3,000 PSI On Grade Concrete Stairs 155.25 For 2,500 PSI Concrete, Deduct -2.60 For 3,500 PSI Concrete, Add 4.82 For 4,000 PSI Concrete, Add 8.28 For 4,500 PSI Concrete, Add 9.63 For 5,000 PSI Concrete, Add 10.98 For White Cement Concrete, Add 11.56 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 12.52 For High Early Strength, Type 3 ASTM C150, Add 9.63 For Lightweight Aggregate, ASTM C330, Add 28.89 For Up To 20, Add 23.58 For >20 To 50, Add 8.84 For >100 To 200, Deduct -3.11 For >200 To 400, Deduct -6.21 For >400, Deduct -9.32		
03 31 13 00-0044 CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs 153.46 Note: Excludes pumping equipment. For 2,500 PSI Concrete, Deduct -2.82 For 3,500 PSI Concrete, Add 5.22 For 4,000 PSI Concrete, Add 8.97 For 4,500 PSI Concrete, Add 10.43 For 5,000 PSI Concrete, Add 11.89 For White Cement Concrete, Add 12.52 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 13.56 For High Early Strength, Type 3 ASTM C150, Add 10.43 For Lightweight Aggregate, ASTM C330, Add 31.30 For Up To 20, Add 19.66 For >20 To 50, Add 7.37 For >100 To 200, Deduct -3.07 For >200 To 400, Deduct -6.14 For >400, Deduct -9.21		
03 31 13 00-0045 Place Concrete Thrust Blocks And Backfill (03 31 13 00-0011)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0046	CY		Direct Chute, Place 3,000 PSI Concrete Thrust Blocks.....	125.10	
			For 2,500 PSI Concrete, Deduct	-2.60	
			For 3,500 PSI Concrete, Add	4.82	
			For 4,000 PSI Concrete, Add	8.28	
			For 4,500 PSI Concrete, Add	9.63	
			For 5,000 PSI Concrete, Add	10.98	
			For White Cement Concrete, Add	11.56	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
			For High Early Strength, Type 3 ASTM C150, Add	9.63	
			For Lightweight Aggregate, ASTM C330, Add	28.89	
			For Up To 20, Add	11.52	
			For >20 To 50, Add	4.32	
			For >100 To 200, Deduct	-2.50	
			For >200 To 400, Deduct	-5.00	
			For >400, Deduct	-7.51	
03 31 13 00-0047			Hand Mix And Place Concrete (03 31 13 00-0011)		
03 31 13 00-0048	CF		Hand Mix And Place Concrete.....	14.42	
			Note: For use where conventional equipment access is limited or when directed by the owner.		
			For 2,500 PSI Concrete, Deduct	-0.11	
			For 3,500 PSI Concrete, Add	0.21	
			For 4,000 PSI Concrete, Add	0.35	
			For 4,500 PSI Concrete, Add	0.41	
			For 5,000 PSI Concrete, Add	0.47	
			For White Cement Concrete, Add	0.49	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	0.54	
			For High Early Strength, Type 3 ASTM C150, Add	0.41	
			For Lightweight Aggregate, ASTM C330, Add	1.24	
03 31 13 00-0049			Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)		
			See CSI section 03 31 13 00-0085 for concrete pump truck.		
03 31 13 00-0050			Place Elevated Concrete Beams (03 31 13 00-0049)		
03 31 13 00-0051	CY		Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams.....	182.79	
			For 2,500 PSI Concrete, Deduct	-2.60	
			For 3,500 PSI Concrete, Add	4.82	
			For 4,000 PSI Concrete, Add	8.28	
			For 4,500 PSI Concrete, Add	9.63	
			For 5,000 PSI Concrete, Add	10.98	
			For White Cement Concrete, Add	11.56	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
			For High Early Strength, Type 3 ASTM C150, Add	9.63	
			For Lightweight Aggregate, ASTM C330, Add	28.89	
			For Up To 20, Add	34.60	
			For >20 To 50, Add	12.97	
			For >100 To 200, Deduct	-3.66	
			For >200 To 400, Deduct	-7.31	
			For >400, Deduct	-10.97	
03 31 13 00-0052	CY		Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	134.80	
			Note: Excludes pumping equipment.		
			For 2,500 PSI Concrete, Deduct	-2.82	
			For 3,500 PSI Concrete, Add	5.22	
			For 4,000 PSI Concrete, Add	8.97	
			For 4,500 PSI Concrete, Add	10.43	
			For 5,000 PSI Concrete, Add	11.89	
			For White Cement Concrete, Add	12.52	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.56	
			For High Early Strength, Type 3 ASTM C150, Add	10.43	
			For Lightweight Aggregate, ASTM C330, Add	31.30	
			For Up To 20, Add	12.19	
			For >20 To 50, Add	4.57	
			For >100 To 200, Deduct	-2.70	
			For >200 To 400, Deduct	-5.39	
			For >400, Deduct	-8.09	
03 31 13 00-0053			Place Elevated Concrete Slab (03 31 13 00-0049)		
03 31 13 00-0054	CY		Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab.....	137.02	
			For 2,500 PSI Concrete, Deduct	-2.60	
			For 3,500 PSI Concrete, Add	4.82	
			For 4,000 PSI Concrete, Add	8.28	
			For 4,500 PSI Concrete, Add	9.63	
			For 5,000 PSI Concrete, Add	10.98	
			For White Cement Concrete, Add	11.56	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
			For High Early Strength, Type 3 ASTM C150, Add	9.63	
			For Lightweight Aggregate, ASTM C330, Add	28.89	
			For Up To 20, Add	16.29	
			For >20 To 50, Add	6.11	
			For >100 To 200, Deduct	-2.74	
			For >200 To 400, Deduct	-5.48	
			For >400, Deduct	-8.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0055 CY >6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	127.20	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	12.36	
For >20 To 50, Add	4.64	
For >100 To 200, Deduct	-2.54	
For >200 To 400, Deduct	-5.09	
For >400, Deduct	-7.63	
03 31 13 00-0056 CY Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	118.67	
Note: Excludes pumping equipment.		
For 2,500 PSI Concrete, Deduct	-2.82	
For 3,500 PSI Concrete, Add	5.22	
For 4,000 PSI Concrete, Add	8.97	
For 4,500 PSI Concrete, Add	10.43	
For 5,000 PSI Concrete, Add	11.89	
For White Cement Concrete, Add	12.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.56	
For High Early Strength, Type 3 ASTM C150, Add	10.43	
For Lightweight Aggregate, ASTM C330, Add	31.30	
For Up To 20, Add	5.74	
For >20 To 50, Add	2.15	
For >100 To 200, Deduct	-2.37	
For >200 To 400, Deduct	-4.75	
For >400, Deduct	-7.12	
03 31 13 00-0057 CY >6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	115.21	
Note: Excludes pumping equipment.		
For 2,500 PSI Concrete, Deduct	-2.82	
For 3,500 PSI Concrete, Add	5.22	
For 4,000 PSI Concrete, Add	8.97	
For 4,500 PSI Concrete, Add	10.43	
For 5,000 PSI Concrete, Add	11.89	
For White Cement Concrete, Add	12.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.56	
For High Early Strength, Type 3 ASTM C150, Add	10.43	
For Lightweight Aggregate, ASTM C330, Add	31.30	
For Up To 20, Add	4.36	
For >20 To 50, Add	1.63	
For >100 To 200, Deduct	-2.30	
For >200 To 400, Deduct	-4.61	
For >400, Deduct	-6.91	
03 31 13 00-0058 Place Concrete Columns (03 31 13 00-0049)		
03 31 13 00-0059 CY 12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	189.70	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	37.36	
For >20 To 50, Add	14.01	
For >100 To 200, Deduct	-3.79	
For >200 To 400, Deduct	-7.59	
For >400, Deduct	-11.38	
03 31 13 00-0060 CY 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	164.19	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	27.16	
For >20 To 50, Add	10.18	
For >100 To 200, Deduct	-3.28	
For >200 To 400, Deduct	-6.57	
For >400, Deduct	-9.85	

03 Concrete
03 30 Cast-In-Place Concrete
03 31 Structural Concrete



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0061	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	145.94
		<i>For 2,500 PSI Concrete, Deduct</i>	-2.60
		<i>For 3,500 PSI Concrete, Add</i>	4.82
		<i>For 4,000 PSI Concrete, Add</i>	8.28
		<i>For 4,500 PSI Concrete, Add</i>	9.63
		<i>For 5,000 PSI Concrete, Add</i>	10.98
		<i>For White Cement Concrete, Add</i>	11.56
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	12.52
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	9.63
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	28.89
		<i>For Up To 20, Add</i>	19.86
		<i>For >20 To 50, Add</i>	7.45
		<i>For >100 To 200, Deduct</i>	-2.92
		<i>For >200 To 400, Deduct</i>	-5.84
		<i>For >400, Deduct</i>	-8.76
03 31 13 00-0062	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	137.82
		<i>For 2,500 PSI Concrete, Deduct</i>	-2.60
		<i>For 3,500 PSI Concrete, Add</i>	4.82
		<i>For 4,000 PSI Concrete, Add</i>	8.28
		<i>For 4,500 PSI Concrete, Add</i>	9.63
		<i>For 5,000 PSI Concrete, Add</i>	10.98
		<i>For White Cement Concrete, Add</i>	11.56
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	12.52
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	9.63
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	28.89
		<i>For Up To 20, Add</i>	16.61
		<i>For >20 To 50, Add</i>	6.23
		<i>For >100 To 200, Deduct</i>	-2.76
		<i>For >200 To 400, Deduct</i>	-5.51
		<i>For >400, Deduct</i>	-8.27
03 31 13 00-0063	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	137.24
		Note: Excludes pumping equipment.	
		<i>For 2,500 PSI Concrete, Deduct</i>	-2.82
		<i>For 3,500 PSI Concrete, Add</i>	5.22
		<i>For 4,000 PSI Concrete, Add</i>	8.97
		<i>For 4,500 PSI Concrete, Add</i>	10.43
		<i>For 5,000 PSI Concrete, Add</i>	11.89
		<i>For White Cement Concrete, Add</i>	12.52
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	13.56
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	10.43
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	31.30
		<i>For Up To 20, Add</i>	13.17
		<i>For >20 To 50, Add</i>	4.94
		<i>For >100 To 200, Deduct</i>	-2.74
		<i>For >200 To 400, Deduct</i>	-5.49
		<i>For >400, Deduct</i>	-8.23
03 31 13 00-0064	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	128.24
		Note: Excludes pumping equipment.	
		<i>For 2,500 PSI Concrete, Deduct</i>	-2.82
		<i>For 3,500 PSI Concrete, Add</i>	5.22
		<i>For 4,000 PSI Concrete, Add</i>	8.97
		<i>For 4,500 PSI Concrete, Add</i>	10.43
		<i>For 5,000 PSI Concrete, Add</i>	11.89
		<i>For White Cement Concrete, Add</i>	12.52
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	13.56
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	10.43
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	31.30
		<i>For Up To 20, Add</i>	9.57
		<i>For >20 To 50, Add</i>	3.59
		<i>For >100 To 200, Deduct</i>	-2.56
		<i>For >200 To 400, Deduct</i>	-5.13
		<i>For >400, Deduct</i>	-7.69
03 31 13 00-0065	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	121.81
		Note: Excludes pumping equipment.	
		<i>For 2,500 PSI Concrete, Deduct</i>	-2.82
		<i>For 3,500 PSI Concrete, Add</i>	5.22
		<i>For 4,000 PSI Concrete, Add</i>	8.97
		<i>For 4,500 PSI Concrete, Add</i>	10.43
		<i>For 5,000 PSI Concrete, Add</i>	11.89
		<i>For White Cement Concrete, Add</i>	12.52
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	13.56
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	10.43
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	31.30
		<i>For Up To 20, Add</i>	7.00
		<i>For >20 To 50, Add</i>	2.62
		<i>For >100 To 200, Deduct</i>	-2.44
		<i>For >200 To 400, Deduct</i>	-4.87
		<i>For >400, Deduct</i>	-7.31



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0066 CY 36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns 118.95 Note: Excludes pumping equipment. For 2,500 PSI Concrete, Deduct -2.82 For 3,500 PSI Concrete, Add 5.22 For 4,000 PSI Concrete, Add 8.97 For 4,500 PSI Concrete, Add 10.43 For 5,000 PSI Concrete, Add 11.89 For White Cement Concrete, Add 12.52 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 13.56 For High Early Strength, Type 3 ASTM C150, Add 10.43 For Lightweight Aggregate, ASTM C330, Add 31.30 For Up To 20, Add 5.85 For >20 To 50, Add 2.19 For >100 To 200, Deduct -2.38 For >200 To 400, Deduct -4.76 For >400, Deduct -7.14		
03 31 13 00-0067 Place Concrete Walls (03 31 13 00-0049)		
03 31 13 00-0068 CY 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls 183.87 For 2,500 PSI Concrete, Deduct -2.60 For 3,500 PSI Concrete, Add 4.82 For 4,000 PSI Concrete, Add 8.28 For 4,500 PSI Concrete, Add 9.63 For 5,000 PSI Concrete, Add 10.98 For White Cement Concrete, Add 11.56 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 12.52 For High Early Strength, Type 3 ASTM C150, Add 9.63 For Lightweight Aggregate, ASTM C330, Add 28.89 For Up To 20, Add 35.03 For >20 To 50, Add 13.14 For >100 To 200, Deduct -3.68 For >200 To 400, Deduct -7.35 For >400, Deduct -11.03		
03 31 13 00-0069 CY 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls 176.61 For 2,500 PSI Concrete, Deduct -2.60 For 3,500 PSI Concrete, Add 4.82 For 4,000 PSI Concrete, Add 8.28 For 4,500 PSI Concrete, Add 9.63 For 5,000 PSI Concrete, Add 10.98 For White Cement Concrete, Add 11.56 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 12.52 For High Early Strength, Type 3 ASTM C150, Add 9.63 For Lightweight Aggregate, ASTM C330, Add 28.89 For Up To 20, Add 32.12 For >20 To 50, Add 12.05 For >100 To 200, Deduct -3.53 For >200 To 400, Deduct -7.06 For >400, Deduct -10.60		
03 31 13 00-0070 CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls 157.60 For 2,500 PSI Concrete, Deduct -2.60 For 3,500 PSI Concrete, Add 4.82 For 4,000 PSI Concrete, Add 8.28 For 4,500 PSI Concrete, Add 9.63 For 5,000 PSI Concrete, Add 10.98 For White Cement Concrete, Add 11.56 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 12.52 For High Early Strength, Type 3 ASTM C150, Add 9.63 For Lightweight Aggregate, ASTM C330, Add 28.89 For Up To 20, Add 24.52 For >20 To 50, Add 9.20 For >100 To 200, Deduct -3.15 For >200 To 400, Deduct -6.30 For >400, Deduct -9.46		
03 31 13 00-0071 CY 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls 128.70 For 2,500 PSI Concrete, Deduct -2.60 For 3,500 PSI Concrete, Add 4.82 For 4,000 PSI Concrete, Add 8.28 For 4,500 PSI Concrete, Add 9.63 For 5,000 PSI Concrete, Add 10.98 For White Cement Concrete, Add 11.56 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 12.52 For High Early Strength, Type 3 ASTM C150, Add 9.63 For Lightweight Aggregate, ASTM C330, Add 28.89 For Up To 20, Add 12.96 For >20 To 50, Add 4.86 For >100 To 200, Deduct -2.57 For >200 To 400, Deduct -5.15 For >400, Deduct -7.72		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0072	CY		12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	122.22	
			For 2,500 PSI Concrete, Deduct	-2.60	
			For 3,500 PSI Concrete, Add	4.82	
			For 4,000 PSI Concrete, Add	8.28	
			For 4,500 PSI Concrete, Add	9.63	
			For 5,000 PSI Concrete, Add	10.98	
			For White Cement Concrete, Add	11.56	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
			For High Early Strength, Type 3 ASTM C150, Add	9.63	
			For Lightweight Aggregate, ASTM C330, Add	28.89	
			For Up To 20, Add	10.37	
			For >20 To 50, Add	3.89	
			For >100 To 200, Deduct	-2.44	
			For >200 To 400, Deduct	-4.89	
			For >400, Deduct	-7.33	
03 31 13 00-0073	CY		15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	118.98	
			For 2,500 PSI Concrete, Deduct	-2.60	
			For 3,500 PSI Concrete, Add	4.82	
			For 4,000 PSI Concrete, Add	8.28	
			For 4,500 PSI Concrete, Add	9.63	
			For 5,000 PSI Concrete, Add	10.98	
			For White Cement Concrete, Add	11.56	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
			For High Early Strength, Type 3 ASTM C150, Add	9.63	
			For Lightweight Aggregate, ASTM C330, Add	28.89	
			For Up To 20, Add	9.07	
			For >20 To 50, Add	3.40	
			For >100 To 200, Deduct	-2.38	
			For >200 To 400, Deduct	-4.76	
			For >400, Deduct	-7.14	
03 31 13 00-0074	CY		8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	135.18	
			Note: Excludes pumping equipment.		
			For 2,500 PSI Concrete, Deduct	-2.82	
			For 3,500 PSI Concrete, Add	5.22	
			For 4,000 PSI Concrete, Add	8.97	
			For 4,500 PSI Concrete, Add	10.43	
			For 5,000 PSI Concrete, Add	11.89	
			For White Cement Concrete, Add	12.52	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.56	
			For High Early Strength, Type 3 ASTM C150, Add	10.43	
			For Lightweight Aggregate, ASTM C330, Add	31.30	
			For Up To 20, Add	12.34	
			For >20 To 50, Add	4.63	
			For >100 To 200, Deduct	-2.70	
			For >200 To 400, Deduct	-5.41	
			For >400, Deduct	-8.11	
03 31 13 00-0075	CY		12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	129.01	
			Note: Excludes pumping equipment.		
			For 2,500 PSI Concrete, Deduct	-2.82	
			For 3,500 PSI Concrete, Add	5.22	
			For 4,000 PSI Concrete, Add	8.97	
			For 4,500 PSI Concrete, Add	10.43	
			For 5,000 PSI Concrete, Add	11.89	
			For White Cement Concrete, Add	12.52	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.56	
			For High Early Strength, Type 3 ASTM C150, Add	10.43	
			For Lightweight Aggregate, ASTM C330, Add	31.30	
			For Up To 20, Add	9.88	
			For >20 To 50, Add	3.70	
			For >100 To 200, Deduct	-2.58	
			For >200 To 400, Deduct	-5.16	
			For >400, Deduct	-7.74	
03 31 13 00-0076	CY		15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	125.92	
			Note: Excludes pumping equipment.		
			For 2,500 PSI Concrete, Deduct	-2.82	
			For 3,500 PSI Concrete, Add	5.22	
			For 4,000 PSI Concrete, Add	8.97	
			For 4,500 PSI Concrete, Add	10.43	
			For 5,000 PSI Concrete, Add	11.89	
			For White Cement Concrete, Add	12.52	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.56	
			For High Early Strength, Type 3 ASTM C150, Add	10.43	
			For Lightweight Aggregate, ASTM C330, Add	31.30	
			For Up To 20, Add	8.64	
			For >20 To 50, Add	3.24	
			For >100 To 200, Deduct	-2.52	
			For >200 To 400, Deduct	-5.04	
			For >400, Deduct	-7.56	

03 31 13 00-0077 Place Elevated Concrete Stairs (03 31 13 00-0049)



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0078 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	273.32	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	70.81	
For >20 To 50, Add	26.55	
For >100 To 200, Deduct	-5.47	
For >200 To 400, Deduct	-10.93	
For >400, Deduct	-16.40	
03 31 13 00-0079 CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	161.80	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	26.20	
For >20 To 50, Add	9.83	
For >100 To 200, Deduct	-3.24	
For >200 To 400, Deduct	-6.47	
For >400, Deduct	-9.71	
03 31 13 00-0080 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	158.91	
Note: Excludes pumping equipment.		
For 2,500 PSI Concrete, Deduct	-2.82	
For 3,500 PSI Concrete, Add	5.22	
For 4,000 PSI Concrete, Add	8.97	
For 4,500 PSI Concrete, Add	10.43	
For 5,000 PSI Concrete, Add	11.89	
For White Cement Concrete, Add	12.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.56	
For High Early Strength, Type 3 ASTM C150, Add	10.43	
For Lightweight Aggregate, ASTM C330, Add	31.30	
For Up To 20, Add	21.84	
For >20 To 50, Add	8.19	
For >100 To 200, Deduct	-3.18	
For >200 To 400, Deduct	-6.36	
For >400, Deduct	-9.53	
03 31 13 00-0081 Place Concrete Coping (03 31 13 00-0049)	279.45	
03 31 13 00-0082 CY Crane And Bucket, Place 3,000 PSI Concrete Coping	279.45	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	73.26	
For >20 To 50, Add	27.47	
For >100 To 200, Deduct	-5.59	
For >200 To 400, Deduct	-11.18	
For >400, Deduct	-16.77	
03 31 13 00-0083 CY Direct Chute, Place 3,000 PSI Concrete Coping	161.36	
For 2,500 PSI Concrete, Deduct	-2.60	
For 3,500 PSI Concrete, Add	4.82	
For 4,000 PSI Concrete, Add	8.28	
For 4,500 PSI Concrete, Add	9.63	
For 5,000 PSI Concrete, Add	10.98	
For White Cement Concrete, Add	11.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.52	
For High Early Strength, Type 3 ASTM C150, Add	9.63	
For Lightweight Aggregate, ASTM C330, Add	28.89	
For Up To 20, Add	26.02	
For >20 To 50, Add	9.76	
For >100 To 200, Deduct	-3.23	
For >200 To 400, Deduct	-6.45	
For >400, Deduct	-9.68	

03 Concrete
03 30 Cast-In-Place Concrete
03 31 Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0084	CY	Concrete Pump, Place 3,000 PSI Concrete Coping.....	202.87
		Note: Excludes pumping equipment.	
		For 2,500 PSI Concrete, Deduct	-2.82
		For 3,500 PSI Concrete, Add	5.22
		For 4,000 PSI Concrete, Add	8.97
		For 4,500 PSI Concrete, Add	10.43
		For 5,000 PSI Concrete, Add	11.89
		For White Cement Concrete, Add	12.52
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	13.56
		For High Early Strength, Type 3 ASTM C150, Add	10.43
		For Lightweight Aggregate, ASTM C330, Add	31.30
		For Up To 20, Add	39.42
		For >20 To 50, Add	14.78
		For >100 To 200, Deduct	-4.06
		For >200 To 400, Deduct	-8.11
		For >400, Deduct	-12.17
03 31 13 00-0085		Concrete Pumping With Boom Truck <small>(03 31 13 00-0010)</small>	
		Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach.	
03 31 13 00-0086	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	136.67
03 31 13 00-0087	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	153.46
03 31 13 00-0088	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	201.24
03 31 13 00-0089	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	233.52
03 31 13 00-0090	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	265.81
03 31 13 00-0091	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	343.29
03 31 13 00-0092	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	394.95
03 31 13 00-0093	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	504.72
03 31 13 00-0094	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump	68.99
		Note: Includes hoses	
03 31 13 00-0095		Concrete Carts <small>(03 31 13 00-0010)</small>	
		Note: Used to place concrete were necessary.	
03 31 13 00-0096	CY	50' Haul, Non Motorized, Concrete Buggy	7.29
03 31 13 00-0097	CY	150' Haul, Non Motorized, Concrete Buggy	9.76
03 31 13 00-0098	CY	250' Haul, Non Motorized, Concrete Buggy	13.02
03 31 13 00-0099	CY	50' Haul, Motorized, Concrete Buggy	3.43
03 31 13 00-0100	CY	150' Haul, Motorized, Concrete Buggy	4.59
03 31 13 00-0101	CY	250' Haul, Motorized, Concrete Buggy	6.13
03 31 13 00-0102		Delivery Fee For Small Purchases <small>(03 31 13)</small>	
03 31 13 00-0103	EA	Delivery Fee For Concrete Purchases Less Than 5 CY	160.76
03 31 13 00-0104		Equipment Pads <small>(03 31 13)</small>	
03 31 13 00-0105		Small Concrete Equipment Housekeeping Pad Assemblies <small>(03 31 13 00-0104)</small>	
		Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project.	
03 31 13 00-0106	SF	4" Equipment Pad With Welded Wire Reinforcement	8.16
03 31 13 00-0107	SF	4" Equipment Pad With Rebar	10.68
03 31 13 00-0108	SF	6" Equipment Pad With Rebar	13.41
03 31 13 00-0109	SF	8" Equipment Pad With Rebar	16.70
03 35 Concrete Finishing <small>(03 30)</small>			
03 35 16 Heavy-Duty Concrete Floor Finishing <small>(03 35)</small>			
03 35 16 00-0001		Floor Finishes <small>(03 35 16)</small>	
		Note: Task is for final finish type and includes all required prior finishes.	
03 35 16 00-0002	SF	Screed, Concrete Floor Finish	0.39
		For Up To 100, Add	0.78
		For >100 To 250, Add	0.20
		For >250 To 500, Add	0.10
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000, Deduct	-0.04
03 35 16 00-0003	SF	Darby, Concrete Floor Finish	0.47
		For Up To 100, Add	0.94
		For >100 To 250, Add	0.24
		For >250 To 500, Add	0.12
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000, Deduct	-0.05
03 35 16 00-0004	SF	Broom, Concrete Floor Finish	0.52
		For Up To 100, Add	1.04
		For >100 To 250, Add	0.26
		For >250 To 500, Add	0.13
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000, Deduct	-0.05



Concrete	03	03
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 16 00-0005 SF Final Float, Concrete Floor Finish.....	0.62	
For Up To 100, Add	1.24	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.16	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000, Deduct	-0.06	
03 35 16 00-0006 SF Steel Trowel, Concrete Floor Finish.....	0.70	
For Up To 100, Add	1.40	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.18	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000, Deduct	-0.07	
03 35 23 Exposed Aggregate Concrete Finishing (03 35)		
03 35 23 00-0001 Exposed Aggregate, Concrete Finish (03 35 23)		
03 35 23 00-0002 SF Exposed Aggregate, Concrete Floor Finish.....	1.14	
03 35 26 Grooved Concrete Surface Finishing (03 35)		
03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing (03 35 26)		
03 35 26 00-0002 SF Ramp, Grooved Concrete Surface Finishing.....	2.15	
03 35 29 Tooled Concrete Finishing (03 35)		
03 35 29 00-0001 Marblecrete Finishes (03 35 29)		
03 35 29 00-0002 SF 2" Thick Marblecrete And Finish.....	22.48	
03 35 29 00-0003 SF 4" Thick Marblecrete And Finish.....	30.08	
03 35 33 Stamped Concrete Finishing (03 35)		
03 35 33 00-0001 Stamped Concrete Finishes (03 35 33)		
03 35 33 00-0002 SF Up To 2,500 SF Stamped Concrete Finish.....	1.64	
03 35 33 00-0003 SF >2,500 To 10,000 SF Stamped Concrete Finish.....	1.49	
03 35 33 00-0004 SF >10,000 SF Stamped Concrete Finish.....	1.43	
03 35 33 00-0005 Tactile Surface Finish (03 35 33)		
03 35 33 00-0006 SF Concrete Floor Finishes, Tactile Surface Finish.....	1.02	
For Up To 100, Add	2.04	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.26	
For >5,000 To 10,000, Deduct	-0.05	
03 35 39 Rusticated Concrete Finish (03 35)		
03 35 39 00-0001 Rusticated Concrete Finish (03 35 39)		
03 35 39 00-0002 SF Rusticated Concrete Finish, Beveled Edge, 1 Use, Add To Formwork.....	2.73	
03 35 39 00-0003 SF Rusticated Concrete Finish, Square Edge, 1 Use, Add To Formwork.....	3.53	
03 35 43 Polished Concrete Finishing (03 35)		
03 35 43 00-0001 Concrete Floor Polishing System (03 35 43)		
Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.		
03 35 43 00-0002 SF Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels.....	0.57	
For Up To 500, Add	1.11	
For >500 To 1,000, Add	1.03	
For >1,000 To 2,500, Add	0.68	
For >2,500 To 4,000, Add	0.35	
For >8,000 To 15,000, Deduct	-0.14	
For >15,000 To 25,000, Deduct	-0.17	
For >25,000, Deduct	-0.25	
03 35 43 00-0003 SF Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels.....	0.57	
For Up To 500, Add	1.11	
For >500 To 1,000, Add	1.03	
For >1,000 To 2,500, Add	0.68	
For >2,500 To 4,000, Add	0.35	
For >8,000 To 15,000, Deduct	-0.14	
For >15,000 To 25,000, Deduct	-0.17	
For >25,000, Deduct	-0.25	
03 35 43 00-0004 SF Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels.....	0.34	
For Up To 500, Add	0.66	
For >500 To 1,000, Add	0.61	
For >1,000 To 2,500, Add	0.40	
For >2,500 To 4,000, Add	0.21	
For >8,000 To 15,000, Deduct	-0.08	
For >15,000 To 25,000, Deduct	-0.10	
For >25,000, Deduct	-0.15	

03 Concrete**03 30 Cast-In-Place Concrete****03 35 Concrete Finishing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels.....	0.49
		For Up To 500, Add	0.95
		For >500 To 1,000, Add	0.88
		For >1,000 To 2,500, Add	0.58
		For >2,500 To 4,000, Add	0.30
		For >8,000 To 15,000, Deduct	-0.12
		For >15,000 To 25,000, Deduct	-0.15
		For >25,000, Deduct	-0.21
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	0.34
		For Up To 500, Add	0.66
		For >500 To 1,000, Add	0.61
		For >1,000 To 2,500, Add	0.40
		For >2,500 To 4,000, Add	0.21
		For >8,000 To 15,000, Deduct	-0.08
		For >15,000 To 25,000, Deduct	-0.10
		For >25,000, Deduct	-0.15
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	0.34
		For Up To 500, Add	0.66
		For >500 To 1,000, Add	0.61
		For >1,000 To 2,500, Add	0.40
		For >2,500 To 4,000, Add	0.21
		For >8,000 To 15,000, Deduct	-0.08
		For >15,000 To 25,000, Deduct	-0.10
		For >25,000, Deduct	-0.15
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	0.34
		For Up To 500, Add	0.66
		For >500 To 1,000, Add	0.61
		For >1,000 To 2,500, Add	0.40
		For >2,500 To 4,000, Add	0.21
		For >8,000 To 15,000, Deduct	-0.08
		For >15,000 To 25,000, Deduct	-0.10
		For >25,000, Deduct	-0.15
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	0.34
		For Up To 500, Add	0.66
		For >500 To 1,000, Add	0.61
		For >1,000 To 2,500, Add	0.40
		For >2,500 To 4,000, Add	0.21
		For >8,000 To 15,000, Deduct	-0.08
		For >15,000 To 25,000, Deduct	-0.10
		For >25,000, Deduct	-0.15
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads	0.09
		For Up To 500, Add	0.17
		For >500 To 1,000, Add	0.16
		For >1,000 To 2,500, Add	0.11
		For >2,500 To 4,000, Add	0.06
		For >8,000 To 15,000, Deduct	-0.02
		For >15,000 To 25,000, Deduct	-0.03
		For >25,000, Deduct	-0.04
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier	0.12
		For Up To 500, Add	0.23
		For >500 To 1,000, Add	0.22
		For >1,000 To 2,500, Add	0.14
		For >2,500 To 4,000, Add	0.07
		For >8,000 To 15,000, Deduct	-0.03
		For >15,000 To 25,000, Deduct	-0.04
		For >25,000, Deduct	-0.05
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector	0.12
		For Up To 500, Add	0.23
		For >500 To 1,000, Add	0.22
		For >1,000 To 2,500, Add	0.14
		For >2,500 To 4,000, Add	0.07
		For >8,000 To 15,000, Deduct	-0.03
		For >15,000 To 25,000, Deduct	-0.04
		For >25,000, Deduct	-0.05
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up	0.06
		For Up To 500, Add	0.12
		For >500 To 1,000, Add	0.11
		For >1,000 To 2,500, Add	0.07
		For >2,500 To 4,000, Add	0.04
		For >8,000 To 15,000, Deduct	-0.01
		For >15,000 To 25,000, Deduct	-0.02
		For >25,000, Deduct	-0.03

03 35 63 Slip-Resistant Floor Finishing (03 35)**03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)**

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	0.57
		For Up To 100, Add	0.78
		For >100 To 250, Add	0.20
		For >250 To 500, Add	0.10
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000, Deduct	-0.04
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	0.70
		For Up To 100, Add	0.78
		For >100 To 250, Add	0.20
		For >250 To 500, Add	0.10
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000, Deduct	-0.04



Concrete	03	03
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 35 66 Acid Etch Floor Finishing (03 35)

03 35 66 00-0001 Acid Etch Floor (03 35 66)

03 35 66 00-0002	SF Concrete Floor Finishes, Etch With Acid And Rinse.....		0.49
	For Up To 100, Add		0.36
	For >100 To 250, Add		0.09
	For >250 To 500, Add		0.05
	For >5,000 To 10,000, Deduct		-0.01
	For >10,000, Deduct		-0.02

03 35 83 Wall Finishes (03 35)

03 35 83 00-0001 Wall Finishes (03 35 83)

03 35 83 00-0002	SF Burlap Rub With Grout, New Concrete Wall Finishes.....		0.72
	For Up To 100, Add		1.32
	For >100 To 250, Add		0.33
	For >250 To 500, Add		0.17
	For >5,000 To 10,000, Deduct		-0.03
	For >10,000, Deduct		-0.07
03 35 83 00-0003	SF 1/16" Float Finish, New Concrete Wall Finishes		1.07
	For Up To 100, Add		1.98
	For >100 To 250, Add		0.50
	For >250 To 500, Add		0.25
	For >5,000 To 10,000, Deduct		-0.05
	For >10,000, Deduct		-0.10
03 35 83 00-0004	SF Etch With Acid And Rinse, New Concrete Wall Finishes.....		0.53
	For Up To 100, Add		0.44
	For >100 To 250, Add		0.11
	For >250 To 500, Add		0.06
	For >5,000 To 10,000, Deduct		-0.01
	For >10,000, Deduct		-0.02
03 35 83 00-0005	SF Bush Hammer Green Concrete, New Concrete Wall Finishes.....		2.12
	For Up To 100, Add		4.18
	For >100 To 250, Add		1.05
	For >250 To 500, Add		0.52
	For >5,000 To 10,000, Deduct		-0.10
	For >10,000, Deduct		-0.21
03 35 83 00-0006	SF Bush Hammer Cured Concrete, New Concrete Wall Finishes.....		3.30
	For Up To 100, Add		6.48
	For >100 To 250, Add		1.62
	For >250 To 500, Add		0.81
	For >5,000 To 10,000, Deduct		-0.16
	For >10,000, Deduct		-0.32
03 35 83 00-0007	SF Break Ties And Patch, New Concrete Wall Finishes		0.42
	For Up To 100, Add		0.70
	For >100 To 250, Add		0.18
	For >250 To 500, Add		0.09
	For >5,000 To 10,000, Deduct		-0.02
	For >10,000, Deduct		-0.04
03 35 83 00-0008	SF Carborundum Dry Rub, New Concrete Wall Finishes.....		1.39
	For Up To 100, Add		2.64
	For >100 To 250, Add		0.66
	For >250 To 500, Add		0.33
	For >5,000 To 10,000, Deduct		-0.07
	For >10,000, Deduct		-0.13
03 35 83 00-0009	SF Carborundum Wet Rub, New Concrete Wall Finishes		2.10
	For Up To 100, Add		4.06
	For >100 To 250, Add		1.02
	For >250 To 500, Add		0.51
	For >5,000 To 10,000, Deduct		-0.10
	For >10,000, Deduct		-0.20
03 35 83 00-0010	SF Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes.....		1.48
	For Up To 100, Add		2.20
	For >100 To 250, Add		0.55
	For >250 To 500, Add		0.28
	For >5,000 To 10,000, Deduct		-0.06
	For >10,000, Deduct		-0.11
03 35 83 00-0011	SF >1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes.....		3.98
	For Up To 100, Add		6.44
	For >100 To 250, Add		1.61
	For >250 To 500, Add		0.81
	For >5,000 To 10,000, Deduct		-0.16
	For >10,000, Deduct		-0.32

03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete (03 37)

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair (03 37 13)

03 37 13 00-0002	SF 1" Thick Shotcrete, Fiber Reinforced		2.56
	For Up To 25, Add		0.36
	For >25 To 50, Add		0.20
	For >50 To 150, Add		0.05

03	Concrete
03 30	Cast-In-Place Concrete
03 37	Specialty Placed Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 37 13 00-0003	SF		2" Thick Shotcrete, Fiber Reinforced	4.97	
			For Up To 25, Add	0.69	
			For >25 To 50, Add	0.38	
			For >50 To 150, Add	0.10	
03 37 13 00-0004	SF		3" Thick Shotcrete, Fiber Reinforced	7.26	
			For Up To 25, Add	0.98	
			For >25 To 50, Add	0.54	
			For >50 To 150, Add	0.13	
03 37 13 00-0005	SF		4" Thick Shotcrete, Fiber Reinforced	9.45	
			For Up To 25, Add	1.25	
			For >25 To 50, Add	0.68	
			For >50 To 150, Add	0.15	
03 37 13 00-0006	SF		6" Thick Shotcrete, Fiber Reinforced	13.59	
			For Up To 25, Add	1.74	
			For >25 To 50, Add	0.93	
			For >50 To 150, Add	0.19	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed (03 37 13)

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008	SF		1" Thick Gunite (Dry Mix Shotcrete), Sprayed	2.24	
			For Radius Or Irregular Surface, Add	0.39	
			For Up To 25, Add	0.37	
			For >25 To 50, Add	0.21	
			For >50 To 150, Add	0.07	
03 37 13 00-0009	SF		2" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.27	
			For Radius Or Irregular Surface, Add	0.70	
			For Up To 25, Add	0.69	
			For >25 To 50, Add	0.39	
			For >50 To 150, Add	0.13	
03 37 13 00-0010	SF		3" Thick Gunite (Dry Mix Shotcrete), Sprayed	6.14	
			For Radius Or Irregular Surface, Add	0.95	
			For Up To 25, Add	0.97	
			For >25 To 50, Add	0.54	
			For >50 To 150, Add	0.18	
03 37 13 00-0011	SF		4" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.88	
			For Radius Or Irregular Surface, Add	1.14	
			For Up To 25, Add	1.22	
			For >25 To 50, Add	0.68	
			For >50 To 150, Add	0.21	

03 39 Concrete Curing (03 39)**03 39 13 Water Concrete Curing** (03 39)**03 39 13 00-0001 Water Concrete Curing** (03 39 13)

03 39 13 00-0002	GAL		Water Based Curing, Sealing, Hardening And Dustproofing Compound	38.92	
			Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.		

03 39 23 Membrane Concrete Curing (03 39)**03 39 23 23 Sheet Membrane Concrete Curing** (03 39 23)**03 39 23 23-0001 Concrete Curing Materials And Compounds** (03 39 23 23)

03 39 23 23-0002	CSF		7.5 Oz Burlap, Concrete Curing Blanket	13.51	
03 39 23 23-0003	CSF		9 Oz Burlap, Concrete Curing Blanket	14.79	
03 39 23 23-0004	CSF		12 Oz Burlap, Concrete Curing Blanket	15.19	
03 39 23 23-0005	CSF		2 Ply Reinforced, Concrete Curing Waterproof Paper	14.92	
03 39 23 23-0006	CSF		Curing Paper	5.75	

03 39 33 Concrete Surface Treatments (03 39)**03 39 33 00-0001 Concrete Surface Treatments** (03 39 33)

03 39 33 00-0002	GAL		Acrylic Latex Bonding Agent, 250 SF Per Gallon	46.56	
03 39 33 00-0003	GAL		Epoxy Resin Bonding Agent, 80 SF Per Gallon	115.08	
03 39 33 00-0004	SF		Clear Acrylic Sealer, Hardener And Dustproof	0.17	
			Note: 300 SF/GAL.		
03 39 33 00-0005	SF		Colored Acrylic Sealer, Hardener And Dustproof	0.18	
			Note: 300 SF/GAL.		
03 39 33 00-0006	GAL		Clear Acrylic Sealer, Hardener And Dustproof, 300 SF Per Gallon	38.70	
03 39 33 00-0007	GAL		Colored Acrylic Sealer, Hardener And Dustproof, 300 SF Per Gallon	41.00	

03 39 33 00-0008 Shake On Floor Hardeners (03 39 33)

03 39 33 00-0009	SF		0.3 LB/SF, Metallic, Shake On Floor Hardener	0.55	
03 39 33 00-0010	SF		0.65 LB/SF, Metallic, Shake On Floor Hardener	0.88	
03 39 33 00-0011	SF		0.3 LB/SF, Non Metallic, Shake On Floor Hardener	0.52	
03 39 33 00-0012	SF		0.65 LB/SF, Non Metallic, Shake On Floor Hardener	0.65	

03 40 Precast Concrete (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Material prices include the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 41 Precast Structural Concrete (03 40)

03 41 16 Precast Concrete Slabs (03 41)

03 41 16 00-0001 Flat Floor Slab/Floor Plank (03 41 16)

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane (03 41 16 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	170.52	136.42
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	189.55	151.62
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	201.28	161.01
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	213.37	170.71
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	228.35	182.67
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	244.05	195.24
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	262.06	209.64
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	285.02	228.00
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	309.90	247.96

03 41 16 00-0012 Material Cost (03 41 16 00-0001)

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	8.05	
		For 3,500 PSI Concrete, Add	0.16	
		For 4,000 PSI Concrete, Add	0.24	
		For 4,500 PSI Concrete, Add	0.32	
		For 5,000 PSI Concrete, Add	0.48	
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	9.65	
		For 3,500 PSI Concrete, Add	0.19	
		For 4,000 PSI Concrete, Add	0.29	
		For 4,500 PSI Concrete, Add	0.39	
		For 5,000 PSI Concrete, Add	0.58	
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	11.80	
		For 3,500 PSI Concrete, Add	0.24	
		For 4,000 PSI Concrete, Add	0.35	
		For 4,500 PSI Concrete, Add	0.47	
		For 5,000 PSI Concrete, Add	0.71	
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	15.66	
		For 3,500 PSI Concrete, Add	0.31	
		For 4,000 PSI Concrete, Add	0.47	
		For 4,500 PSI Concrete, Add	0.63	
		For 5,000 PSI Concrete, Add	0.94	

03 41 16 00-0017 Floor Units, Combination Beam And Slab (03 41 16)

03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane (03 41 16 00-0017)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	208.76	167.01
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	227.54	182.05
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	251.49	201.16
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	279.25	223.39
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	313.90	251.10

03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane (03 41 16 00-0017)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	279.71	223.79
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	304.88	243.88
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	336.97	269.60
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	374.17	299.34
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	420.60	336.51
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	457.31	365.82
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	505.45	404.36
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	559.43	447.57
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	633.21	506.57

03 41 16 00-0034 Material Cost (03 41 16 00-0017)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.

03 41 16 00-0035 4" Slab (03 41 16 00-0034)

03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	847.42	
		For 3,500 PSI Concrete, Add	16.95	
		For 4,000 PSI Concrete, Add	25.42	
		For 4,500 PSI Concrete, Add	33.90	
		For 5,000 PSI Concrete, Add	50.85	
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	858.15	
		For 3,500 PSI Concrete, Add	17.16	
		For 4,000 PSI Concrete, Add	25.74	
		For 4,500 PSI Concrete, Add	34.33	
		For 5,000 PSI Concrete, Add	51.49	

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	965.41	
		For 3,500 PSI Concrete, Add	19.31	
		For 4,000 PSI Concrete, Add	28.96	
		For 4,500 PSI Concrete, Add	38.62	
		For 5,000 PSI Concrete, Add	57.92	
03 41 16 00-0039		5" Slab (03 41 16 00-0034)		
03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	868.87	
		For 3,500 PSI Concrete, Add	17.38	
		For 4,000 PSI Concrete, Add	26.07	
		For 4,500 PSI Concrete, Add	34.75	
		For 5,000 PSI Concrete, Add	52.13	
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	901.05	
		For 3,500 PSI Concrete, Add	18.02	
		For 4,000 PSI Concrete, Add	27.03	
		For 4,500 PSI Concrete, Add	36.04	
		For 5,000 PSI Concrete, Add	54.06	
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,147.77	
		For 3,500 PSI Concrete, Add	22.96	
		For 4,000 PSI Concrete, Add	34.43	
		For 4,500 PSI Concrete, Add	45.91	
		For 5,000 PSI Concrete, Add	68.87	
03 41 16 00-0043		6" Slab (03 41 16 00-0034)		
03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	901.05	
		For 3,500 PSI Concrete, Add	18.02	
		For 4,000 PSI Concrete, Add	27.03	
		For 4,500 PSI Concrete, Add	36.04	
		For 5,000 PSI Concrete, Add	54.06	
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,072.68	
		For 3,500 PSI Concrete, Add	21.45	
		For 4,000 PSI Concrete, Add	32.18	
		For 4,500 PSI Concrete, Add	42.91	
		For 5,000 PSI Concrete, Add	64.36	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,308.67	
		For 3,500 PSI Concrete, Add	26.17	
		For 4,000 PSI Concrete, Add	39.26	
		For 4,500 PSI Concrete, Add	52.35	
		For 5,000 PSI Concrete, Add	78.52	
03 41 19 Precast Concrete Wall Panels (03 41)				
03 41 19 00-0001		Structural Wall Panels (03 41 19) Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002		Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	165.13	132.11
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	183.57	146.83
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	206.64	165.32
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	221.14	176.91
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	236.35	189.07
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	253.79	203.02
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	276.02	220.81
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	300.12	240.13
03 41 19 00-0011		Erection Cost Using 90 Ton Crawler Crane (03 41 19 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	187.79	150.22
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	208.76	167.01
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	235.00	188.03
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	251.49	201.16
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	268.77	215.02
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	288.62	230.91
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	313.90	251.10
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	341.31	273.02
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	377.23	301.81
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	417.52	334.00
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	472.58	378.08
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	537.56	430.04
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	623.26	498.62
03 41 19 00-0025		Material Cost (03 41 19 00-0001) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 19 00-0026	SF 4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	10.73	
	For 3,500 PSI Concrete, Add	0.21	
	For 4,000 PSI Concrete, Add	0.32	
	For 4,500 PSI Concrete, Add	0.43	
	For 5,000 PSI Concrete, Add	0.64	
	For White Facing, Add	2.15	
	For Solid White Through Thickness, Add	2.15	
	For Broken Rib Finish, Add	1.07	
	For Fluted Surface, Add	1.07	
	For Exposed Aggregate, Add	2.15	
	For Sandblasting Of Surface, Add	1.07	
	For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0027	SF 5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	13.19	
	For 3,500 PSI Concrete, Add	0.26	
	For 4,000 PSI Concrete, Add	0.40	
	For 4,500 PSI Concrete, Add	0.53	
	For 5,000 PSI Concrete, Add	0.79	
	For White Facing, Add	2.64	
	For Solid White Through Thickness, Add	2.64	
	For Broken Rib Finish, Add	1.32	
	For Fluted Surface, Add	1.32	
	For Exposed Aggregate, Add	2.64	
	For Sandblasting Of Surface, Add	1.32	
	For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0028	SF 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	15.88	
	For 3,500 PSI Concrete, Add	0.32	
	For 4,000 PSI Concrete, Add	0.48	
	For 4,500 PSI Concrete, Add	0.64	
	For 5,000 PSI Concrete, Add	0.95	
	For White Facing, Add	3.18	
	For Solid White Through Thickness, Add	3.18	
	For Broken Rib Finish, Add	1.59	
	For Fluted Surface, Add	1.59	
	For Exposed Aggregate, Add	3.18	
	For Sandblasting Of Surface, Add	1.59	
	For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0029	SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	20.92	
	For 3,500 PSI Concrete, Add	0.42	
	For 4,000 PSI Concrete, Add	0.63	
	For 4,500 PSI Concrete, Add	0.84	
	For 5,000 PSI Concrete, Add	1.26	
	For White Facing, Add	4.18	
	For Solid White Through Thickness, Add	4.18	
	For Broken Rib Finish, Add	2.09	
	For Fluted Surface, Add	2.09	
	For Exposed Aggregate, Add	4.18	
	For Sandblasting Of Surface, Add	2.09	
	For 2" Polystyrene Insulation, Add	1.15	

03 41 19 00-0030 Partition Panels (03 41 19)

03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane (03 41 19 00-0030)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0032	EA Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	130.55	104.42
03 41 19 00-0033	EA Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	145.13	116.12
03 41 19 00-0034	EA Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	163.37	130.69
03 41 19 00-0035	EA Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	186.86	149.48
03 41 19 00-0036	EA Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	200.65	160.53
03 41 19 00-0037	EA Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	218.23	174.58
03 41 19 00-0038	EA Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	237.28	189.85
03 41 19 00-0039	EA Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	262.25	209.82

03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0030)

Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0041	EA Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	165.13	132.11
03 41 19 00-0042	EA Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	183.57	146.83
03 41 19 00-0043	EA Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	206.64	165.32
03 41 19 00-0044	EA Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	236.35	189.07
03 41 19 00-0045	EA Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	253.79	203.02
03 41 19 00-0046	EA Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	276.02	220.81
03 41 19 00-0047	EA Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	300.12	240.13
03 41 19 00-0048	EA Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	331.72	265.36
03 41 19 00-0049	EA Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	367.14	293.71
03 41 19 00-0050	EA Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	415.55	332.42
03 41 19 00-0051	EA Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	472.69	378.16
03 41 19 00-0052	EA Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	548.05	438.42

03 41 19 00-0053 Material Cost (03 41 19 00-0030)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	10.19	
		<i>For 4,000 PSI Concrete, Add</i>	0.31	
		<i>For 4,500 PSI Concrete, Add</i>	0.41	
		<i>For 5,000 PSI Concrete, Add</i>	0.61	
		<i>For White Facing, Add</i>	2.04	
		<i>For Solid White Through Thickness, Add</i>	2.04	
		<i>For Broken Rib Finish, Add</i>	1.02	
		<i>For Fluted Surface, Add</i>	1.02	
		<i>For Exposed Aggregate, Add</i>	2.04	
		<i>For Sandblasting Of Surface, Add</i>	1.02	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	12.55	
		<i>For 4,000 PSI Concrete, Add</i>	0.38	
		<i>For 4,500 PSI Concrete, Add</i>	0.50	
		<i>For 5,000 PSI Concrete, Add</i>	0.75	
		<i>For White Facing, Add</i>	2.51	
		<i>For Solid White Through Thickness, Add</i>	2.51	
		<i>For Broken Rib Finish, Add</i>	1.26	
		<i>For Fluted Surface, Add</i>	1.26	
		<i>For Exposed Aggregate, Add</i>	2.51	
		<i>For Sandblasting Of Surface, Add</i>	1.26	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	15.02	
		<i>For 4,000 PSI Concrete, Add</i>	0.45	
		<i>For 4,500 PSI Concrete, Add</i>	0.60	
		<i>For 5,000 PSI Concrete, Add</i>	0.90	
		<i>For White Facing, Add</i>	3.00	
		<i>For Solid White Through Thickness, Add</i>	3.00	
		<i>For Broken Rib Finish, Add</i>	1.50	
		<i>For Fluted Surface, Add</i>	1.50	
		<i>For Exposed Aggregate, Add</i>	3.00	
		<i>For Sandblasting Of Surface, Add</i>	1.50	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	19.84	
		<i>For 4,000 PSI Concrete, Add</i>	0.60	
		<i>For 4,500 PSI Concrete, Add</i>	0.79	
		<i>For 5,000 PSI Concrete, Add</i>	1.19	
		<i>For White Facing, Add</i>	3.97	
		<i>For Solid White Through Thickness, Add</i>	3.97	
		<i>For Broken Rib Finish, Add</i>	1.98	
		<i>For Fluted Surface, Add</i>	1.98	
		<i>For Exposed Aggregate, Add</i>	3.97	
		<i>For Sandblasting Of Surface, Add</i>	1.98	

03 41 19 00-0058 Cladding Panels (03 41 19)**03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane** (03 41 19 00-0058)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	174.26	139.39
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	194.93	155.93
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	221.14	176.91
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	236.35	189.07
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	253.79	203.02
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	276.02	220.81
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	300.12	240.13
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	331.72	265.36

03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0058)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	198.18	158.52
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	221.67	177.33
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	251.49	201.16
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	268.77	215.02
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	288.62	230.91
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	313.90	251.10
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	341.31	273.02
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	377.23	301.81
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	417.52	334.00
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	472.58	378.08
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	537.56	430.04
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	623.26	498.62

03 41 19 00-0081 Material Cost (03 41 19 00-0058)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	10.19	
		<i>For 3,500 PSI Concrete, Add</i>	0.20	
		<i>For 4,000 PSI Concrete, Add</i>	0.31	
		<i>For 4,500 PSI Concrete, Add</i>	0.41	
		<i>For 5,000 PSI Concrete, Add</i>	0.61	
		<i>For White Facing, Add</i>	2.04	
		<i>For Solid White Through Thickness, Add</i>	2.04	
		<i>For Broken Rib Finish, Add</i>	1.02	
		<i>For Fluted Surface, Add</i>	1.02	
		<i>For Exposed Aggregate, Add</i>	2.04	
		<i>For Sandblasting Of Surface, Add</i>	1.02	



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0083 SF 5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	12.55	
For 3,500 PSI Concrete, Add	0.25	
For 4,000 PSI Concrete, Add	0.38	
For 4,500 PSI Concrete, Add	0.50	
For 5,000 PSI Concrete, Add	0.75	
For White Facing, Add	2.51	
For Solid White Through Thickness, Add	2.51	
For Broken Rib Finish, Add	1.26	
For Fluted Surface, Add	1.26	
For Exposed Aggregate, Add	2.51	
For Sandblasting Of Surface, Add	1.26	
03 41 19 00-0084 SF 6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	15.02	
For 3,500 PSI Concrete, Add	0.30	
For 4,000 PSI Concrete, Add	0.45	
For 4,500 PSI Concrete, Add	0.60	
For 5,000 PSI Concrete, Add	0.90	
For White Facing, Add	3.00	
For Solid White Through Thickness, Add	3.00	
For Broken Rib Finish, Add	1.50	
For Fluted Surface, Add	1.50	
For Exposed Aggregate, Add	3.00	
For Sandblasting Of Surface, Add	1.50	
03 41 19 00-0085 SF 8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	19.84	
For 3,500 PSI Concrete, Add	0.40	
For 4,000 PSI Concrete, Add	0.60	
For 4,500 PSI Concrete, Add	0.79	
For 5,000 PSI Concrete, Add	1.19	
For White Facing, Add	3.97	
For Solid White Through Thickness, Add	3.97	
For Broken Rib Finish, Add	1.98	
For Fluted Surface, Add	1.98	
For Exposed Aggregate, Add	3.97	
For Sandblasting Of Surface, Add	1.98	
03 41 19 00-0086 Sandwich Panel (03 41 19)		
03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0086)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0088 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	174.26	139.39
03 41 19 00-0089 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	194.93	155.93
03 41 19 00-0090 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	221.14	176.91
03 41 19 00-0091 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	236.35	189.07
03 41 19 00-0092 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	253.79	203.02
03 41 19 00-0093 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	276.02	220.81
03 41 19 00-0094 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	300.12	240.13
03 41 19 00-0095 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	331.72	265.36
03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0086)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0097 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	179.94	143.93
03 41 19 00-0098 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	201.28	161.01
03 41 19 00-0099 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	228.35	182.67
03 41 19 00-0100 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	244.05	195.24
03 41 19 00-0101 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	262.06	209.64
03 41 19 00-0102 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	285.02	228.00
03 41 19 00-0103 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	309.90	247.96
03 41 19 00-0104 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	342.53	274.01
03 41 19 00-0105 EA Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	379.11	303.29
03 41 19 00-0106 EA Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	429.10	343.26
03 41 19 00-0107 EA Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	488.10	390.48
03 41 19 00-0108 EA Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	565.92	452.71
03 41 19 00-0109 Material Cost (03 41 19 00-0086)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.		
03 41 19 00-0110 SF 4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	13.94	
For 3,500 PSI Concrete, Add	0.28	
For 4,000 PSI Concrete, Add	0.42	
For 4,500 PSI Concrete, Add	0.56	
For 5,000 PSI Concrete, Add	0.84	
For White Facing, Add	2.79	
For Solid White Through Thickness, Add	2.79	
For Broken Rib Finish, Add	1.39	
For Fluted Surface, Add	1.39	
For Exposed Aggregate, Add	2.79	
For Sandblasting Of Surface, Add	1.39	

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	16.41
		For 3,500 PSI Concrete, Add	0.33
		For 4,000 PSI Concrete, Add	0.49
		For 4,500 PSI Concrete, Add	0.66
		For 5,000 PSI Concrete, Add	0.98
		For White Facing, Add	3.28
		For Solid White Through Thickness, Add	3.28
		For Broken Rib Finish, Add	1.64
		For Fluted Surface, Add	1.64
		For Exposed Aggregate, Add	3.28
		For Sandblasting Of Surface, Add	1.64
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	19.09
		For 3,500 PSI Concrete, Add	0.38
		For 4,000 PSI Concrete, Add	0.57
		For 4,500 PSI Concrete, Add	0.76
		For 5,000 PSI Concrete, Add	1.15
		For White Facing, Add	3.82
		For Solid White Through Thickness, Add	3.82
		For Broken Rib Finish, Add	1.91
		For Fluted Surface, Add	1.91
		For Exposed Aggregate, Add	3.82
		For Sandblasting Of Surface, Add	1.91
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	24.14
		For 3,500 PSI Concrete, Add	0.48
		For 4,000 PSI Concrete, Add	0.72
		For 4,500 PSI Concrete, Add	0.97
		For 5,000 PSI Concrete, Add	1.45
		For White Facing, Add	4.83
		For Solid White Through Thickness, Add	4.83
		For Broken Rib Finish, Add	2.41
		For Fluted Surface, Add	2.41
		For Exposed Aggregate, Add	4.83
		For Sandblasting Of Surface, Add	2.41

03 41 23 Precast Concrete Stairs (03 41)**03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane (03 41 23)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	183.57	146.83
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	194.93	155.93
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	206.64	165.32
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	221.14	176.91
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	236.35	189.07
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	253.79	203.02
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	276.02	220.81
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	300.12	240.13

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane.....	183.57	146.83
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	194.93	155.93
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	206.64	165.32
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	221.14	176.91
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	236.35	189.07
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	253.79	203.02
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	276.02	220.81
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	300.12	240.13

03 41 23 00-0019 Material Cost (03 41 23)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	214.98
		For 3,500 PSI Concrete, Add	28.05
		For 4,000 PSI Concrete, Add	52.71
		For 4,500 PSI Concrete, Add	77.48
		For 5,000 PSI Concrete, Add	105.40

03 41 26 Precast Concrete Structural Sections (03 41)**03 41 26 00-0001 Precast Beams, Girder And Joists (03 41 26)****03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0001)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	235.00	188.03
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	251.49	201.16
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane.....	268.77	215.02
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane.....	288.62	230.91

03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane (03 41 26 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane.....	314.87	251.88
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Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0009 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	336.97	269.60
03 41 26 00-0010 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	360.13	288.11
03 41 26 00-0011 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	386.73	309.36
03 41 26 00-0012 EA Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	420.60	336.51
03 41 26 00-0013 EA Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	457.31	365.82
03 41 26 00-0014 EA Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	505.45	404.36
03 41 26 00-0015 EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	559.43	447.57
03 41 26 00-0016 Material Cost <small>(03 41 26 00-0001)</small> Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017 1,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0018 LF Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	42.99	
For 3,500 PSI Concrete, Add	1.17	
For 4,000 PSI Concrete, Add	1.76	
For 4,500 PSI Concrete, Add	2.35	
For 5,000 PSI Concrete, Add	3.53	
03 41 26 00-0019 LF Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	53.74	
For 3,500 PSI Concrete, Add	1.47	
For 4,000 PSI Concrete, Add	2.20	
For 4,500 PSI Concrete, Add	2.93	
For 5,000 PSI Concrete, Add	4.41	
03 41 26 00-0020 LF Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	64.48	
For 3,500 PSI Concrete, Add	1.76	
For 4,000 PSI Concrete, Add	2.64	
For 4,500 PSI Concrete, Add	3.52	
For 5,000 PSI Concrete, Add	5.29	
03 41 26 00-0021 3,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0022 LF Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	53.74	
For 3,500 PSI Concrete, Add	1.47	
For 4,000 PSI Concrete, Add	2.20	
For 4,500 PSI Concrete, Add	2.93	
For 5,000 PSI Concrete, Add	4.41	
03 41 26 00-0023 LF Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	64.48	
For 3,500 PSI Concrete, Add	1.76	
For 4,000 PSI Concrete, Add	2.64	
For 4,500 PSI Concrete, Add	3.52	
For 5,000 PSI Concrete, Add	5.29	
03 41 26 00-0024 LF Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	85.98	
For 3,500 PSI Concrete, Add	2.35	
For 4,000 PSI Concrete, Add	3.53	
For 4,500 PSI Concrete, Add	4.69	
For 5,000 PSI Concrete, Add	7.05	
03 41 26 00-0025 5,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0026 LF Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	75.23	
For 3,500 PSI Concrete, Add	2.05	
For 4,000 PSI Concrete, Add	3.08	
For 4,500 PSI Concrete, Add	4.11	
For 5,000 PSI Concrete, Add	6.17	
03 41 26 00-0027 LF Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	85.98	
For 3,500 PSI Concrete, Add	2.35	
For 4,000 PSI Concrete, Add	3.53	
For 4,500 PSI Concrete, Add	4.69	
For 5,000 PSI Concrete, Add	7.05	
03 41 26 00-0028 LF Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	107.47	
For 3,500 PSI Concrete, Add	2.93	
For 4,000 PSI Concrete, Add	4.41	
For 4,500 PSI Concrete, Add	5.87	
For 5,000 PSI Concrete, Add	8.81	
03 41 26 00-0029 Precast Concrete Columns <small>(03 41 26)</small>		
03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane <small>(03 41 26 00-0029)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031 EA Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	136.53	109.21
03 41 26 00-0032 EA Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	145.16	116.10
03 41 26 00-0033 EA Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	155.57	124.46
03 41 26 00-0034 EA Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	166.87	133.50
03 41 26 00-0035 EA Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	179.94	143.93
03 41 26 00-0036 EA Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	195.24	156.19
03 41 26 00-0037 EA Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	213.37	170.71
03 41 26 00-0038 Material Cost <small>(03 41 26 00-0029)</small> Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039 12" x 12" Column, Square, Tied <small>(03 41 26 00-0038)</small>		

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0040	CY		12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY	222.50	
			For 3,500 PSI Concrete, Add	16.69	
			For 4,000 PSI Concrete, Add	31.37	
			For 4,500 PSI Concrete, Add	46.28	
			For 5,000 PSI Concrete, Add	62.97	
03 41 26 00-0041			16" x 16" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0042	CY		16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY	228.00	
			For 3,500 PSI Concrete, Add	17.10	
			For 4,000 PSI Concrete, Add	32.15	
			For 4,500 PSI Concrete, Add	47.42	
			For 5,000 PSI Concrete, Add	64.52	
03 41 26 00-0043			20" x 20" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0044	CY		20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY	228.44	
			For 3,500 PSI Concrete, Add	17.13	
			For 4,000 PSI Concrete, Add	32.21	
			For 4,500 PSI Concrete, Add	47.52	
			For 5,000 PSI Concrete, Add	64.65	
03 41 26 00-0045			24" x 24" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0046	CY		24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY	228.44	
			For 3,500 PSI Concrete, Add	17.13	
			For 4,000 PSI Concrete, Add	32.21	
			For 4,500 PSI Concrete, Add	47.52	
			For 5,000 PSI Concrete, Add	64.65	
03 41 26 00-0047			28" x 28" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0048	CY		28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY	228.44	
			For 3,500 PSI Concrete, Add	17.13	
			For 4,000 PSI Concrete, Add	32.21	
			For 4,500 PSI Concrete, Add	47.52	
			For 5,000 PSI Concrete, Add	64.65	
03 41 26 00-0049			32" x 32" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0050	CY		32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY	228.00	
			For 3,500 PSI Concrete, Add	17.10	
			For 4,000 PSI Concrete, Add	32.15	
			For 4,500 PSI Concrete, Add	47.42	
			For 5,000 PSI Concrete, Add	64.52	
03 41 26 00-0051			36" x 36" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0052	CY		36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY	228.44	
			For 3,500 PSI Concrete, Add	17.13	
			For 4,000 PSI Concrete, Add	32.21	
			For 4,500 PSI Concrete, Add	47.52	
			For 5,000 PSI Concrete, Add	64.65	
03 41 33 Precast Structural Pretensioned Concrete (03 41)					
03 41 33 00-0001			Slabs, Roof And Floor Members (03 41 33)		
03 41 33 00-0002	SF		4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	5.12	1.06
03 41 33 00-0003	SF		6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	6.27	1.06
03 41 33 00-0004	SF		8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	7.41	1.12
03 41 33 00-0005	SF		10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	8.56	1.16
03 41 33 00-0006			Tee Members (03 41 33)		
03 41 33 00-0007			Multiple Tee, Roof And Floor (03 41 33 00-0006)		
03 41 33 00-0008	SF		Prestressed Multiple Tee, Roof And Floor Members	10.96	1.38
03 41 33 00-0009			Double Tee Wall Member (03 41 33 00-0006)		
03 41 33 00-0010	SF		Prestressed Double Tee Wall Members Precast Concrete, <40' Span	16.53	3.76
03 41 33 00-0011			Single Tee, Short Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0012	SF		Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	13.26	2.28
03 41 33 00-0013			Single Tee, Long Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0014	SF		Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	15.49	1.96
03 41 33 00-0015			Prestressed Concrete Items (03 41 33)		
03 41 33 00-0016			Prestressed Quad Tee (03 41 33 00-0015)		



	Concrete	03
	Precast Concrete	03 40
	Precast Structural Concrete	03 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0017 SF Tees, Prestressed Quad Tee, Short Spans, Roof.....	7.62	0.42
03 41 33 00-0018 SF Tees, Prestressed Quad Tee, Short Spans, Floor.....	7.95	0.42
03 41 33 00-0019 Prestressed Double Tee (03 41 33 00-0015)		
03 41 33 00-0020 SF Tees, Double Tee, Floor Members , 60' Span.....	12.49	0.38
03 41 33 00-0021 SF Tees, Double Tee, Floor Members , 80' Span.....	17.13	0.38
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span.....	8.73	0.63
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span.....	13.24	0.42
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High.....	9.56	0.85
03 41 33 00-0025 Prestressed Single Tee (03 41 33 00-0015)		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span.....	15.08	0.96
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span.....	17.18	0.58
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span.....	22.58	0.53
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span.....	23.76	0.53
03 41 33 00-0030 Prestressed Double Tee Floor Members (03 41 33 00-0015)		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'.....	3,845.24	152.52
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'.....	4,188.87	169.47
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'.....	6,956.25	190.65
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'.....	1,549.19	138.70
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'.....	2,017.96	152.52
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'.....	2,555.39	152.52
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'.....	2,845.27	169.47
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'.....	3,624.14	190.65
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'.....	6,452.98	217.97
03 41 33 00-0040 Prestressed Double Tee Roof Members (03 41 33 00-0015)		
03 41 33 00-0041 EA Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'.....	3,039.09	152.52
03 41 33 00-0042 EA Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'.....	3,973.89	169.47
03 41 33 00-0043 EA Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'.....	6,472.55	190.65
03 41 33 00-0044 EA Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'.....	2,054.38	138.70
03 41 33 00-0045 EA Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'.....	2,168.44	152.52
03 41 33 00-0046 EA Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'.....	2,394.16	152.52
03 41 33 00-0047 EA Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'.....	2,469.07	169.47
03 41 33 00-0048 EA Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'.....	3,247.93	190.65
03 41 33 00-0049 EA Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'.....	5,539.34	217.97
03 41 33 00-0050 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)		
03 41 33 00-0051 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete.....	8.02	
03 41 33 00-0052 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete.....	8.37	
03 41 33 00-0053 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete.....	8.82	
03 41 33 00-0054 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete.....	9.17	
03 41 33 00-0055 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete.....	9.86	
03 41 33 00-0056 Double And Single Tees (03 41 33)		
03 41 33 00-0057 Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0058 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	9.79	
03 41 33 00-0059 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	9.54	
03 41 33 00-0060 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	9.01	
03 41 33 00-0061 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	9.79	
03 41 33 00-0062 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	9.74	
03 41 33 00-0063 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	14.82	
03 41 33 00-0064 SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	14.48	
03 41 33 00-0065 SF Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	13.56	
03 41 33 00-0066 SF Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	14.82	
03 41 33 00-0067 SF Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	13.90	
03 41 33 00-0068 Double And Single Tees With 24" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0069 SF Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	10.08	
03 41 33 00-0070 SF Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	9.83	
03 41 33 00-0071 SF Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	9.49	
03 41 33 00-0072 SF Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	10.08	
03 41 33 00-0073 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	9.74	
03 41 33 00-0074 SF Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	15.20	
03 41 33 00-0075 SF Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	14.86	
03 41 33 00-0076 SF Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	14.33	
03 41 33 00-0077 SF Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	15.20	
03 41 33 00-0078 SF Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	14.77	
03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0080 SF Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....	10.69	
03 41 33 00-0081 SF Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	10.33	
03 41 33 00-0082 SF Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	9.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41	33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	16.20	
03 41	33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	15.65	
03 41	33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	15.01	

03 48 Precast Concrete Specialties (03 40)**03 48 16 Precast Concrete Splash Blocks** (03 48)

03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, Standard Size	10.40	1.17	
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03 48 21 Precast Concrete Handrails (03 48)

03 48 21 00-0001 Installation Cost (03 48 21)

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail	74.44	33.52	
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail	89.29	40.17	

03 48 21 00-0004 Material Cost (03 48 21)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail	849.18		
		For 3,500 PSI Concrete, Add	55.41		
		For 4,000 PSI Concrete, Add	104.11		
		For 4,500 PSI Concrete, Add	153.02		
		For 5,000 PSI Concrete, Add	208.18		
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail	881.43		
		For 3,500 PSI Concrete, Add	57.51		
		For 4,000 PSI Concrete, Add	108.06		
		For 4,500 PSI Concrete, Add	158.83		
		For 5,000 PSI Concrete, Add	216.08		
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail	913.67		
		For 3,500 PSI Concrete, Add	59.62		
		For 4,000 PSI Concrete, Add	112.02		
		For 4,500 PSI Concrete, Add	164.64		
		For 5,000 PSI Concrete, Add	223.99		
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail	956.67		
		For 3,500 PSI Concrete, Add	62.42		
		For 4,000 PSI Concrete, Add	117.29		
		For 4,500 PSI Concrete, Add	172.39		
		For 5,000 PSI Concrete, Add	234.53		

03 48 22 Precast Concrete Sun Screen And Trellis (03 48)

03 48 22 00-0001 Sun Screen Blades (03 48 22)

03 48 22 00-0002 Installation Cost (03 48 22 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each	37.22	16.75	
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each	44.72	20.11	
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each	55.87	25.16	

03 48 22 00-0006 Material Cost (03 48 22 00-0001)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	902.92		
		For 3,500 PSI Concrete, Add	58.92		
		For 4,000 PSI Concrete, Add	110.70		
		For 4,500 PSI Concrete, Add	162.71		
		For 5,000 PSI Concrete, Add	221.35		
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	935.17		
		For 3,500 PSI Concrete, Add	61.02		
		For 4,000 PSI Concrete, Add	114.65		
		For 4,500 PSI Concrete, Add	168.52		
		For 5,000 PSI Concrete, Add	229.26		
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	978.17		
		For 3,500 PSI Concrete, Add	63.83		
		For 4,000 PSI Concrete, Add	119.92		
		For 4,500 PSI Concrete, Add	176.27		
		For 5,000 PSI Concrete, Add	239.80		
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	1,021.16		
		For 3,500 PSI Concrete, Add	66.63		
		For 4,000 PSI Concrete, Add	125.19		
		For 4,500 PSI Concrete, Add	184.01		
		For 5,000 PSI Concrete, Add	250.34		

03 48 22 00-0011 Sun Screen/Trellis Units (03 48 22)

03 48 22 00-0012 Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0011)

Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.

03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	174.26	78.41	
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	194.93	87.74	
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	221.14	99.50	
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	236.35	106.36	



Concrete	03	03
Precast Concrete	03 40	
Precast Concrete Specialties	03 48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0017 Material Cost <small>(03 48 22 00-0011)</small>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018 CY 4" Thick 3,000 PSI Concrete Precast Trellises Blades	1,042.66	
For 3,500 PSI Concrete, Add	68.03	
For 4,000 PSI Concrete, Add	127.83	
For 4,500 PSI Concrete, Add	187.89	
For 5,000 PSI Concrete, Add	255.61	
03 48 22 00-0019 CY 5" Thick 3,000 PSI Concrete Precast Trellises Blades	1,074.91	
For 3,500 PSI Concrete, Add	70.14	
For 4,000 PSI Concrete, Add	131.78	
For 4,500 PSI Concrete, Add	193.70	
For 5,000 PSI Concrete, Add	263.51	
03 48 22 00-0020 CY 6" Thick 3,000 PSI Concrete Precast Trellises Blades	1,117.91	
For 3,500 PSI Concrete, Add	72.94	
For 4,000 PSI Concrete, Add	137.06	
For 4,500 PSI Concrete, Add	201.45	
For 5,000 PSI Concrete, Add	274.06	
03 48 22 00-0021 CY 8" Thick 3,000 PSI Concrete Precast Trellises Blades	1,171.85	
For 3,500 PSI Concrete, Add	76.45	
For 4,000 PSI Concrete, Add	143.64	
For 4,500 PSI Concrete, Add	211.13	
For 5,000 PSI Concrete, Add	287.23	
 03 48 24 Precast Minaret Segments <small>(03 48)</small>		
03 48 24 00-0001 Installation Costs Using A 50 Ton Hydraulic Crane <small>(03 48 24)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002 L - Shaped Segments <small>(03 48 24 00-0001)</small>		
03 48 24 00-0003 EA Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	169.58	135.66
03 48 24 00-0004 EA Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	190.02	152.03
03 48 24 00-0005 EA Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	214.86	171.88
03 48 24 00-0006 EA Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	229.19	183.35
 03 48 24 00-0007 O - Shaped Segments <small>(03 48 24 00-0001)</small>		
03 48 24 00-0008 EA Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	179.22	143.40
03 48 24 00-0009 EA Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	201.15	160.90
03 48 24 00-0010 EA Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	227.81	182.23
03 48 24 00-0011 EA Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	243.97	195.16
 03 48 24 00-0012 Platform Segment <small>(03 48 24 00-0001)</small>		
03 48 24 00-0013 EA Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	343.78	275.04
03 48 24 00-0014 EA Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	415.55	332.42
03 48 24 00-0015 EA Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	461.16	368.94
03 48 24 00-0016 EA Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	518.01	414.43
 03 48 24 00-0017 Cap Segment <small>(03 48 24 00-0001)</small>		
03 48 24 00-0018 EA Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	188.13	150.49
03 48 24 00-0019 EA Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	210.09	168.04
03 48 24 00-0020 EA Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	239.33	191.44
03 48 24 00-0021 EA Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	255.51	204.38
 03 48 24 00-0022 Installation Costs Using A 90 Ton Crawler Crane <small>(03 48 24)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023 L - Shaped Segments <small>(03 48 24 00-0022)</small>		
03 48 24 00-0024 EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	175.11	140.08
03 48 24 00-0025 EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	196.22	156.99
03 48 24 00-0026 EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	221.86	177.48
03 48 24 00-0027 EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	236.66	189.32
 03 48 24 00-0028 O - Shaped Segment <small>(03 48 24 00-0022)</small>		
03 48 24 00-0029 EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	185.06	148.08
03 48 24 00-0030 EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	207.70	166.14
03 48 24 00-0031 EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	235.23	188.17
03 48 24 00-0032 EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	251.93	201.52
 03 48 24 00-0033 Platform Segment <small>(03 48 24 00-0022)</small>		
03 48 24 00-0034 EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	282.96	226.36
03 48 24 00-0035 EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	342.53	274.01
03 48 24 00-0036 EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	379.11	303.29
03 48 24 00-0037 EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	429.10	343.26
 03 48 24 00-0038 Cap Segment <small>(03 48 24 00-0022)</small>		
03 48 24 00-0039 EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	194.27	155.40

03 Concrete**03 40 Precast Concrete****03 48 Precast Concrete Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0040	EA		Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	216.94	173.52
03 48 24 00-0041	EA		Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	247.14	197.68
03 48 24 00-0042	EA		Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	263.84	211.04
03 48 24 00-0043			Material Costs <small>(03 48 24)</small>		
			Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044	CY		Precast Concrete Minaret, L-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	2,579.64	
03 48 24 00-0045	CY		Precast Concrete Minaret, O-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	2,579.64	
03 48 24 00-0046	CY		Precast Concrete Minaret, Platform Segments Including Post Tension Cost, 3,000 PSI Concrete	2,579.64	
03 48 24 00-0047	CY		Precast Concrete Minaret, Cap Segments Including Post Tension Cost, 3,000 PSI Concrete	2,579.64	
03 48 29			Precast Accessories <small>(03 48)</small>		
			Note: Includes installation labor, material and equipment.		
03 48 29 00-0001			Bearing Pads For Precast Members <small>(03 48 29)</small>		
03 48 29 00-0002			Continuous 2" Wide Strips <small>(03 48 29 00-0001)</small>		
03 48 29 00-0003	LF		Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips	0.77	
			Note: For precast members		
03 48 29 00-0004	LF		Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips	1.26	
			Note: For precast members.		
03 48 29 00-0005	LF		Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips	2.32	
			Note: For precast members		
03 48 29 00-0006	LF		Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips	3.37	
			Note: For precast members		
03 48 29 00-0007	LF		Bearing Pads, Continuous 2" Wide x 1" Thick Strips	4.47	
			Note: For precast members		
03 48 29 00-0008	LF		Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips	6.57	
			Note: For precast members		
03 48 29 00-0009			Bearing Pad Pipe Supports <small>(03 48 29)</small>		
03 48 29 00-0010	LF		4" x 4" Precast Pipe Support.....	6.61	
03 48 46			Precast Skylight Shells <small>(03 48)</small>		
03 48 46 00-0001			Installation Cost Using A 90 Ton Crawler Crane <small>(03 48 46)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA		Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane.....	251.49	113.19
03 48 46 00-0003	EA		Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane.....	279.25	125.67
03 48 46 00-0004	EA		Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane.....	313.90	141.26
03 48 46 00-0005			Material Cost <small>(03 48 46)</small>		
			Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006	CY		3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	1,079.24	
03 48 49			Precast Landings <small>(03 48)</small>		
03 48 49 00-0001	SF		3" Thick Precast Landing	27.35	
03 48 49 00-0002	SF		4" Thick Precast Landing	31.86	
03 48 49 00-0003	SF		5" Thick Precast Landing	36.23	
03 48 49 00-0004	SF		6" Thick Precast Landing	41.77	
03 50 Cast Decks And Underlayment <small>(03)</small>					
03 51 Cast Roof Decks <small>(03 50)</small>					
03 51 13 Cementitious Wood Fiber Decks <small>(03 51)</small>					
03 51 13 00-0001			Cement Fiber Tongue And Groove Planks <small>(03 51 13)</small>		
03 51 13 00-0002	SF		1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	1.74	
03 51 13 00-0003	SF		1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	1.82	
03 51 13 00-0004	SF		2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	1.91	
03 51 13 00-0005	SF		2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	2.22	
03 51 13 00-0006	SF		3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	2.54	
03 51 13 00-0007	SF		3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	2.91	
03 51 13 00-0008	SF		4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.37	
03 51 13 00-0009			Bulb Tees, Sub-Purlins And Grout <small>(03 51 13)</small>		
03 51 13 00-0010	SF		6' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System	0.79	
03 51 13 00-0011	SF		8' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System	1.24	
03 51 16 Gypsum Concrete Roof Decks <small>(03 51)</small>					
03 51 16 00-0001			Class A Gypsum Fill Concrete Deck <small>(03 51 16)</small>		
03 51 16 00-0002	SF		2" Thick Precast Gypsum Fill Concrete Deck, Class A	3.04	0.20
03 51 16 00-0003	SF		2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	3.76	0.23
03 51 16 00-0004	SF		3" Thick Precast Gypsum Fill Concrete Deck, Class A	4.49	0.26
03 51 16 00-0005	SF		3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	5.22	0.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 51 16 00-0006 SF 4" Thick Precast Gypsum Fill Concrete Deck, Class A	5.95	0.33
03 51 16 00-0007 Formboard For Lightweight Deck (03 51 16)		
03 51 16 00-0008 SF Gypsum Deck Formboard, 1/2" Drywall For Lightweight Deck	1.12	
03 51 16 00-0009 SF Gypsum Deck Formboard, 1" Mineral Fiber Board For Lightweight Deck	1.63	
03 51 16 00-0010 SF Gypsum Deck Formboard, 1-1/2" Mineral Fiber Board For Lightweight Deck	3.82	
03 51 16 00-0011 SF Gypsum Deck Formboard, 1" Cementitious Fiber Board For Lightweight Deck	1.28	0.19
03 51 16 00-0012 SF Gypsum Deck Formboard, 1-1/2" Cementitious Fiber Board For Lightweight Deck	1.61	0.19
03 51 16 00-0013 SF Gypsum Deck Formboard, 1" Glass Fiber Board For Lightweight Deck	1.88	0.19
03 51 16 00-0014 SF Gypsum Deck Formboard, 1-1/2" Glass Fiber Board For Lightweight Deck	2.40	0.19
03 51 16 00-0015 Board Deck Supports For Formboard (03 51 16)		
03 51 16 00-0016 SF Gypsum Deck Formboard Supports, 5' Bulb Tee 40 LB/SF, Span	0.54	0.09
03 51 16 00-0017 SF Gypsum Deck Formboard Supports, 8' Bulb Tee 40 LB/SF Span	0.95	0.15
03 51 16 00-0018 Gypsum Plank (03 51 16)		
03 51 16 00-0019 SF Insulating Concrete Gypsum Plank, 2" Thick Roof Deck	1.99	
03 51 16 00-0020 SF Insulating Concrete Gypsum Plank, 3" Thick Roof Deck	2.68	

03 52 Lightweight Concrete Roof Insulation (03 50)

03 52 16 Lightweight Insulating Concrete (03 52)

Note: Add costs for forming to all tasks below. See CSI section 03 11 00 00-0000 for forming.

03 52 16 00-0001 Poured Deck (03 52 16)		
03 52 16 00-0002 Perlite Or Vermiculite (03 52 16 00-0001)		
03 52 16 00-0003 CY Insulating Roof Deck, Perlite, 1:6 Mix Field Mix, Also Vermiculite	154.70	
<i>For Smooth Trowel Finish, Add</i>	18.50	
03 52 16 00-0004 Lightweight Insulating Concrete Deck, Ready Mix 1 To 6 Mix (03 52 16 00-0001)		
03 52 16 00-0005 SF 2" Insulating Roof Deck, Ready Mix, 1:6 Mix	1.68	
<i>For Smooth Trowel Finish, Add</i>	0.13	
03 52 16 00-0006 SF 3" Insulating Roof Deck, Ready Mix, 1:6 Mix	2.44	
<i>For Smooth Trowel Finish, Add</i>	0.16	
03 52 16 00-0007 Lightweight Insulating Concrete Plank Roof Deck (03 52 16)		
03 52 16 00-0008 SF 2" Thick, Lightweight Insulating Concrete Plank Roof Deck	3.41	
<i>For >4 To 12 Pitch, Add</i>	0.19	
<i>For >6 To 12 Pitch, Add</i>	1.16	
03 52 16 00-0009 SF 2-1/2" Thick, Lightweight Insulating Concrete Plank Roof Deck	3.95	
<i>For >4 To 12 Pitch, Add</i>	0.21	
<i>For >6 To 12 Pitch, Add</i>	1.25	
03 52 16 00-0010 SF 3" Thick, Lightweight Insulating Concrete Plank Roof Deck	4.58	
<i>For >4 To 12 Pitch, Add</i>	0.23	
<i>For >6 To 12 Pitch, Add</i>	1.35	
03 52 16 00-0011 SF 3-1/2" Thick, Lightweight Insulating Concrete Plank Roof Deck	4.79	
<i>For >4 To 12 Pitch, Add</i>	0.24	
<i>For >6 To 12 Pitch, Add</i>	1.46	
03 52 16 00-0012 SF 4" Thick, Lightweight Insulating Concrete Plank Roof Deck	4.98	
<i>For >4 To 12 Pitch, Add</i>	0.26	
<i>For >6 To 12 Pitch, Add</i>	1.53	
03 52 16 00-0013 Lightweight Insulating Concrete Channel Slab Roof Deck (03 52 16)		
03 52 16 00-0014 SF 2-3/4" Thick, Lightweight Insulating Concrete Channel Slab Roof Deck	3.78	
03 52 16 00-0015 SF 3-1/2" Thick, Lightweight Insulating Concrete Channel Slab Roof Deck	4.05	
03 52 16 00-0016 SF 3-3/4" Thick, Lightweight Insulating Concrete Channel Slab Roof Deck	4.14	
03 52 16 00-0017 SF 4-3/4" Thick, Lightweight Insulating Concrete Channel Slab Roof Deck	4.28	
03 52 16 00-0018 SF 2-3/4" Thick, Cut To Length On Site, Lightweight Insulating Concrete Channel Slab Roof Deck	5.27	
03 52 16 00-0019 SF 3-1/2" Thick, Cut To Length On Site, Lightweight Insulating Concrete Channel Slab Roof Deck	5.33	
03 52 16 00-0020 SF 3-3/4" Thick, Cut To Length On Site, Lightweight Insulating Concrete Channel Slab Roof Deck	5.43	
03 52 16 00-0021 SF 4-3/4" Thick, Cut To Length On Site, Lightweight Insulating Concrete Channel Slab Roof Deck	5.52	

03 53 Concrete Topping (03 50)

Note: Installed over new or existing concrete.

03 53 00 00-0001 Integral Topping Including Hard Trowel Finish (03 53)		
<i>Note: Using 1:1:2 mix.</i>		
03 53 00 00-0002 SF 3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	0.98	
03 53 00 00-0003 SF 1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	1.14	
03 53 00 00-0004 SF 3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	1.36	
03 53 00 00-0005 SF 1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	1.63	
03 53 00 00-0006 SF 2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.43	
03 53 00 00-0007 SF 2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.19	
03 53 00 00-0008 SF 3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.50	

03 Concrete**03 50 Cast Decks And Underlayment****03 53 Concrete Topping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 53 00 00-0009	Granolithic Topping Laid After <small>(03 53)</small>	
	Note: Using 1:1-1-1/2 mix.	
03 53 00 00-0010	SF 1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1-1-1/2 Mix	1.66
03 53 00 00-0011	SF 1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1-1-1/2 Mix	1.84
03 53 00 00-0012	SF 2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1-1-1/2 Mix	2.40

03 54 Cast Underlayment (03 50)

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment (03 54)

03 54 16 00-0001	Self Leveling Cementitious Underlayment For Floors <small>(03 54 16)</small>	
	Note: Includes primer.	
03 54 16 00-0002	SF 1/8" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	1.17
03 54 16 00-0003	SF 1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	1.86
03 54 16 00-0004	SF 1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	3.22
03 54 16 00-0005	SF 3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	4.59
03 54 16 00-0006	SF 1" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	5.95
03 54 16 00-0007	SF 1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	7.77
03 54 16 00-0008	SF 1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	8.69
03 54 16 00-0009	SF 1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	11.42

03 60 Grouting (03)**03 61 Cementitious Grouting** (03 60)

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout (03 61)

03 61 16 00-0001	Flowable Grout <small>(03 61 16)</small>	
03 61 16 00-0002	CY Cementitious Flowable Grout.....	219.03

03 62 Non-Shrink Grouting (03 60)**03 62 13 Non-Metallic Non-Shrink Grouting** (03 62)

03 62 13 00-0001	Fluid Type, Non-Metallic Non-Shrink Grouting For Bases <small>(03 62 13)</small>	
03 62 13 00-0002	SF 1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	11.68
03 62 13 00-0003	SF 2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	18.01

03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases (03 62 13)

03 62 13 00-0005	SF 1" Deep, Non-Metallic Non-Shrink Grout For Bases	18.20
03 62 13 00-0006	SF 2" Deep, Non-Metallic Non-Shrink Grout For Bases	30.09

03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints (03 62 13)

03 62 13 00-0008	1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints <small>(03 62 13 00-0007)</small>	
03 62 13 00-0009	LF 4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	0.84
03 62 13 00-0010	LF 6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	1.12
03 62 13 00-0011	LF 8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	1.48

03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)

03 62 13 00-0013	LF 4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	1.28
03 62 13 00-0014	LF 6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	1.76
03 62 13 00-0015	LF 8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	2.34

03 62 16 Metallic Non-Shrink Grouting (03 62)**03 62 16 00-0001 Metallic Non-Shrink Grouting For Bases** (03 62 16)

03 62 16 00-0002	SF 1" Deep, Metallic Non-Shrink Grout For Bases.....	14.73
03 62 16 00-0003	SF 2" Deep, Metallic Non-Shrink Grout For Bases.....	23.35

03 62 16 00-0004 Metallic Non-Shrink Grouting For Joints (03 62 16)

03 62 16 00-0005	1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints <small>(03 62 16 00-0004)</small>	
03 62 16 00-0006	LF 4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	0.63
03 62 16 00-0007	LF 6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	0.79
03 62 16 00-0008	LF 8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	1.06

03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)

03 62 16 00-0010	LF 4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	0.86
03 62 16 00-0011	LF 6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	1.10
03 62 16 00-0012	LF 8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	1.48



Concrete	03	03
Grouting	03 60	
Injection Grouting	03 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 64 Injection Grouting (03 60)

Note: By volume of void filled. Includes injection ports.

03 64 23 Epoxy Injection Grouting (03 64)

03 64 23 00-0001	Epoxy Injection Grouting <small>(03 64 23)</small>	
03 64 23 00-0002	CF Pressure Injected Epoxy Grout	841.76

03 64 26 Cementitious Injection Grouting (03 64)

03 64 26 00-0001	Cementitious Injection Grouting <small>(03 64 26)</small>	
03 64 26 00-0002	CF Pressure Injected Cementitious Grout	46.17

END OF SECTION 03

03 Concrete

03 60 Grouting

03 64 Injection Grouting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 Masonry

04 01 Maintenance Of Masonry ⁽⁰⁴⁾

04 01 20 Maintenance Of Unit Masonry ^(04 01)

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization ^(04 01 20)

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) ^(04 01 20 41)

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	19.04
		For Up To 10, Add	3.27
		For >10 To 50, Add	1.64
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	31.52
		For Up To 10, Add	3.27
		For >10 To 50, Add	1.64
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	45.08
		For Up To 10, Add	3.27
		For >10 To 50, Add	1.64

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	21.75
		For Up To 10, Add	3.27
		For >10 To 50, Add	1.64
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	36.33
		For Up To 10, Add	3.27
		For >10 To 50, Add	1.64
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	52.29
		For Up To 10, Add	3.27
		For >10 To 50, Add	1.64

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0011)

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	38.71
		For Up To 10, Add	13.09
		For >10 To 50, Add	6.55
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	45.80
		For Up To 10, Add	13.09
		For >10 To 50, Add	6.55
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	210.33
		For Up To 10, Add	13.09
		For >10 To 50, Add	6.55
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	38.71
		For Up To 10, Add	13.09
		For >10 To 50, Add	6.55
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	45.80
		For Up To 10, Add	13.09
		For >10 To 50, Add	6.55
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	53.87
		For Up To 10, Add	13.09
		For >10 To 50, Add	6.55
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	69.03
		For Up To 10, Add	13.09
		For >10 To 50, Add	6.55
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	210.33
		For Up To 10, Add	13.09
		For >10 To 50, Add	6.55

04 01 20 41-0021 316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0011)

04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	42.58
		For Up To 10, Add	13.09
		For >10 To 50, Add	6.55

04 Masonry
04 01 Maintenance Of Masonry
04 01 20 Maintenance Of Unit Masonry



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	50.95
		<i>For Up To 10, Add</i>	13.09
		<i>For >10 To 50, Add</i>	6.55
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	242.50
		<i>For Up To 10, Add</i>	13.09
		<i>For >10 To 50, Add</i>	6.55
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	42.58
		<i>For Up To 10, Add</i>	13.09
		<i>For >10 To 50, Add</i>	6.55
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	50.95
		<i>For Up To 10, Add</i>	13.09
		<i>For >10 To 50, Add</i>	6.55
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	60.30
		<i>For Up To 10, Add</i>	13.09
		<i>For >10 To 50, Add</i>	6.55
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	78.04
		<i>For Up To 10, Add</i>	13.09
		<i>For >10 To 50, Add</i>	6.55
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	242.50
		<i>For Up To 10, Add</i>	13.09
		<i>For >10 To 50, Add</i>	6.55
04 01 20 41-0030		Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0001)</small>	
		Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.	
04 01 20 41-0031		304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small>	
04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	8.74
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.01
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.28
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.56
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.83
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.10
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	8.74
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.01
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.28
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.56
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.83
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.37
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	8.74
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.28
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.19
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0047		316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small>	
04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	8.74
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.01
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0050	EA		6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.28	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
04 01 20 41-0051	EA		7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.56	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
04 01 20 41-0052	EA		8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.83	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
04 01 20 41-0053	EA		9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.10	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
04 01 20 41-0054	EA		4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	8.74	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
04 01 20 41-0055	EA		5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	10.01	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
04 01 20 41-0056	EA		6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.28	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
04 01 20 41-0057	EA		7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.56	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
04 01 20 41-0058	EA		8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.83	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
04 01 20 41-0059	EA		10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	16.37	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
04 01 20 41-0060	EA		4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	8.74	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
04 01 20 41-0061	EA		6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	11.28	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
04 01 20 41-0062	EA		8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	13.19	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
04 01 20 41-0063			Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) ^(04 01 20 41-0001) Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
04 01 20 41-0064			304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) ^(04 01 20 41-0063)		
04 01 20 41-0065	EA		8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	5.75	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0066	EA		8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.21	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0067	EA		8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.30	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0068	EA		8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.49	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0069	EA		8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.82	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0070	EA		8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.10	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0071	EA		8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.24	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	

04 Masonry

04 01 Maintenance Of Masonry

04 01 20 Maintenance Of Unit Masonry

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.42
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.23
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.35
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.32
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.15
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.86
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.35
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.57
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.52
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	5.91
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	6.40
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	6.85
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.24
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.50
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.67
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.97
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.09
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.66
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0090	EA		10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.49	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0091	EA		10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.17	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0092	EA		10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.04	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0093	EA		10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.71	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0094	EA		10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.33	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0095	EA		10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	22.40	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0096	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	6.98	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0097	EA		8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	7.27	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0098	EA		8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	7.46	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0099	EA		8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	7.60	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0100	EA		8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.01	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0101	EA		8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.66	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0102	EA		8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.89	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0103	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.54	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0104	EA		10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	7.73	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0105	EA		10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.29	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0106	EA		10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.69	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0107	EA		10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.94	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	

04 Masonry**04 01 Maintenance Of Masonry****04 01 20 Maintenance Of Unit Masonry**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.12
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.54
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	3.23
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	
		<i>For Up To 10, Add</i>	0.98
		<i>For >10 To 50, Add</i>	0.49

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	6.48
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.05
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.16
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.39
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	7.81
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.15
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.33
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.56
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.40
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.55
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.77
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.80
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.69
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.81
		<i>For Up To 10, Add</i>	1.96
		<i>For >10 To 50, Add</i>	0.98
		<i>For Metal Stud Clip, Add</i>	2.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0126	EA		8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.33	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0127	EA		8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	22.01	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0128	EA		10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.77	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0129	EA		10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.33	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0130	EA		10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.89	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0131	EA		10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.38	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0132	EA		10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.70	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0133	EA		10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.92	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0134	EA		10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.29	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0135	EA		10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.44	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0136	EA		10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.11	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0137	EA		10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.04	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0138	EA		10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.89	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0139	EA		10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.97	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0140	EA		10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.82	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0141	EA		10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.61	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0142	EA		10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	26.70	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	
04 01 20 41-0143	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	8.14	
			For Up To 10, Add	1.96	
			For >10 To 50, Add	0.98	
			For Metal Stud Clip, Add	2.07	

04 Masonry**04 01 Maintenance Of Masonry****04 01 20 Maintenance Of Unit Masonry**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.45	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
		<i>For Metal Stud Clip, Add</i>	2.07	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.68	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
		<i>For Metal Stud Clip, Add</i>	2.07	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.86	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
		<i>For Metal Stud Clip, Add</i>	2.07	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.37	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
		<i>For Metal Stud Clip, Add</i>	2.07	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.18	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
		<i>For Metal Stud Clip, Add</i>	2.07	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.44	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
		<i>For Metal Stud Clip, Add</i>	2.07	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.24	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
		<i>For Metal Stud Clip, Add</i>	2.07	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	8.96	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
		<i>For Metal Stud Clip, Add</i>	2.07	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.65	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
		<i>For Metal Stud Clip, Add</i>	2.07	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.15	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
		<i>For Metal Stud Clip, Add</i>	2.07	
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.47	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
		<i>For Metal Stud Clip, Add</i>	2.07	
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.68	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
		<i>For Metal Stud Clip, Add</i>	2.07	
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.20	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
		<i>For Metal Stud Clip, Add</i>	2.07	
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	3.79	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		<i>For Up To 10, Add</i>	0.98	
		<i>For >10 To 50, Add</i>	0.49	
04 01 20 41-0158		Concrete Patching Pins (Helifix® PatchPin) <small>(04 01 20 41-0001)</small>		
		Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159		304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
		<small>(04 01 20 41-0158)</small>		
04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	3.98	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	4.04	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	
04 01 20 41-0162		316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
		<small>(04 01 20 41-0158)</small>		
04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	4.37	
		<i>For Up To 10, Add</i>	1.96	
		<i>For >10 To 50, Add</i>	0.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0164 EA 8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) 4.46 <i>For Up To 10, Add 1.96</i> <i>For >10 To 50, Add 0.98</i>		
04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie (04 01 20 41-0001) Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0167 EA 6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) 24.55 <i>For Up To 10, Add 13.09</i> <i>For >10 To 50, Add 6.55</i>		
04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0169 EA 6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) 26.33 <i>For Up To 10, Add 13.09</i> <i>For >10 To 50, Add 6.55</i>		
04 01 20 51 Unit Masonry Maintenance (04 01 20)		
04 01 20 51-0001 Grind Unit Masonry (04 01 20 51)		
04 01 20 51-0002 SF Grind Smooth Masonry Wall 1.37		
04 01 20 52 Unit Masonry Cleaning (04 01 20)		
04 01 20 52-0001 Cleaning And Repointing Masonry (04 01 20 52) Note: Includes mortar for pointing. Excludes removing mortar.		
04 01 20 52-0002 SF Clean And Repoint Brick Masonry 0.88		
04 01 20 52-0003 SF Clean And Repoint Concrete Block Masonry 0.60		
04 01 20 52-0004 SF Clean And Repoint Brick On Historic Buildings 1.18		
04 01 20 91 Unit Masonry Restoration (04 01 20)		
04 01 20 91-0001 Cut And Repoint Masonry (04 01 20 91) Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.		
04 01 20 91-0002 SF Cut And Repoint Brick, Hard Intact Mortar, Running Bond 5.79 <i>For Common Bond, Add 0.12</i> <i>For Flemish Bond, Add 0.43</i> <i>For English Bond, Add 0.71</i> <i>For Oversized Or Larger Than Standard, Deduct -0.87</i> <i>For >250 To 1,000, Deduct -0.15</i> <i>For >1,000, Deduct -0.44</i>		
04 01 20 91-0003 SF Cut And Repoint Brick, Soft, Loose Or Crumbling Mortar, Running Bond 4.64 <i>For Common Bond, Add 0.08</i> <i>For Flemish Bond, Add 0.29</i> <i>For English Bond, Add 0.48</i> <i>For Oversized Or Larger Than Standard, Deduct -0.70</i> <i>For >250 To 1,000, Deduct -0.10</i> <i>For >1,000, Deduct -0.34</i>		
04 01 20 91-0004 SF Cut And Repoint Concrete Block, Hard Intact Mortar, Running Bond 3.95 <i>For Common Bond, Add 0.06</i> <i>For Oversized Or Larger Than Standard, Deduct -0.59</i> <i>For >250 To 1,000, Deduct -0.08</i> <i>For >1,000, Deduct -0.28</i>		
04 01 20 91-0005 SF Cut And Repoint Concrete Block, Soft, Loose Or Crumbling Mortar, Running Bond 3.20 <i>For Common Bond, Add 0.04</i> <i>For Oversized Or Larger Than Standard, Deduct -0.48</i> <i>For >250 To 1,000, Deduct -0.05</i> <i>For >1,000, Deduct -0.21</i>		
04 01 20 91-0006 LF Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area 1.32		
04 01 20 91-0007 Cut And Caulk Masonry (04 01 20 91) Note: Remove existing mortar to 1/2" depth. Replace with caulk. Includes caulk, cutting, rinsing and cleaning joint.		
04 01 20 91-0008 LF Cut And Caulk Masonry, Butyl Caulks 2.77 <i>For Vertical Expansion Joint Material, Add 0.23</i> <i>For 3/4" Deep Cut, Add 0.83</i>		
04 01 20 91-0009 LF Cut And Caulk Masonry, Polysulfide Or Acrylic Caulks 3.25 <i>For Vertical Expansion Joint Material, Add 0.24</i> <i>For 3/4" Deep Cut, Add 0.98</i>		
04 01 20 91-0010 LF Cut And Caulk Masonry, Silicone Caulks 3.87 <i>For Vertical Expansion Joint Material, Add 0.28</i> <i>For 3/4" Deep Cut, Add 1.16</i>		
04 01 20 91-0011 Repair Masonry (04 01 20 91) Note: Includes mortar for repair.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 01 20 91-0012	SF		Patch And Repair Terra Cotta Walls Or Coping, Including Replacement Of Damaged Material	8.53	
04 01 20 91-0013	SF		Patch And Repair Terra Cotta Floors, Including Replacement Of Damaged Material.....	8.05	
04 01 20 91-0014	LF		Chip And Repair With Masonry Patch, Cracks Up To 1/4".....	1.56	
04 01 20 91-0015	SF		Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade.....	3.64	
04 01 20 91-0016	LF		Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	13.55	
			<i>For Cracks Accessible From Both Sides, Add</i>	2.77	
04 01 20 91-0017	LF		Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52).....	11.37	
			<i>For Cracks Accessible From Both Sides, Add</i>	2.77	
04 01 20 91-0018	LF		Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52).....	2.80	
			<i>For V-Grooving Crack With Grinder, Add</i>	1.72	
04 01 20 91-0019	LF		>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52).....	4.02	
			<i>For V-Grooving Crack With Grinder, Add</i>	1.63	

04 01 40 Maintenance of Stone Assemblies (04 01)**04 01 40 52 Stone Cleaning** (04 01 40)**04 01 40 52-0001 Cleaning And Pointing Stone** (04 01 40 52)

04 01 40 52-0002	SF		Clean And Repoint Limestone On Historic Buildings	1.01	
04 01 40 52-0003	SF		Clean And Repoint Marble, Tile, Stone Or Granite	0.81	

04 01 40 91 Stone Restoration (04 01 40)**04 01 40 91-0001 Cut And Repoint** (04 01 40 91)

04 01 40 91-0002	LF		Cut And Repoint Stone Work.....	2.26	
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04 01 40 91-0003 Repair (04 01 40 91)

04 01 40 91-0004	SF		Repair Field Stone Walls, Including Remove Damaged Stones And Reset.....	14.59	
04 01 40 91-0005	SF		Repair Molded Stone	1.47	

04 01 40 91-0006 Clean And Patch Existing Stonework (04 01 40 91)

Note: Excludes cutting, drilling or anchor bolts if required.

04 01 40 91-0007	SF		Clean And Patch Existing Stonework.....	2.11	
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04 01 40 91-0008 Removal Of Deteriorated Stone (04 01 40 91)

Note: Includes cutting of stone for removal.

04 01 40 91-0009	SF		Removal Of Deteriorated Stone	3.05	
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Note: Does not include material for stone replacement

04 01 50 Maintenance of Refractory Masonry (04 01)**04 01 50 52 Refractory Cleaning** (04 01 50)**04 01 50 52-0001 Chimney Cleaning** (04 01 50 52)

04 01 50 52-0002	LF		Up To 2 SF Cross Section Chimney Cleaning.....	2.09	
04 01 50 52-0003	LF		>2 To 4 SF Cross Section Chimney Cleaning.....	4.16	
04 01 50 52-0004	LF		>4 SF Cross Section Chimney Cleaning.....	6.25	

04 05 Common Work Results For Masonry (04)**04 05 13 Masonry Mortaring** (04 05)**04 05 13 26 Engineered Masonry Mortaring** (04 05 13)

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Masonry Cement Mortar (04 05 13 26)

Note: Ratio is bag material to sand.

04 05 13 26-0002	CF		Type M Masonry Cement 1:1:6 Mix	4.34	
04 05 13 26-0003	CF		Type N Masonry Cement 1:3 Mix.....	4.01	
04 05 13 26-0004	CF		Type O Masonry Cement 1:3 Mix	4.11	
04 05 13 26-0005	CF		Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI	4.50	
04 05 13 26-0006	CF		Type S Masonry Cement 1/2:1:4 Mix.....	4.75	

04 05 13 26-0007 Mortar Admixture (04 05 13 26)

04 05 13 26-0008	CF		Water - Repellent Stearate - Cost Based On CF Of Mortar	0.24	
04 05 13 26-0009	CF		Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.04	

04 05 13 26-0010 Color Admixtures For Mortar (04 05 13 26)

Note: Costs are based on CF of mortar.

04 05 13 26-0011	CF		Buff Colored Admixture	1.50	
04 05 13 26-0012	CF		Brown Colored Admixture	1.70	
04 05 13 26-0013	CF		Black Colored Admixture	2.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 13 26-0014 CF Red Colored Admixture	4.61	
04 05 13 26-0015 Portland Cement (04 05 13 26)		
04 05 13 26-0016 CF Normal Portland Cement (Type I)	8.00	
04 05 13 26-0017 CF Modified Portland Cement (Type II)	3.99	
04 05 13 26-0018 CF High Early Strength Portland Cement (Type III).....	4.23	
04 05 13 26-0019 CF White Non Staining Portland Cement (Type I).....	8.86	
04 05 16 Masonry Grouting (04 05)		
04 05 16 26 Engineered Masonry Grouting (04 05 16)		
Note: Does not include reinforcement.		
04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill (04 05 16 26)		
Note: Excludes block.		
04 05 16 26-0002 LF Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep.....	1.73	
04 05 16 26-0003 LF Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep.....	1.92	
04 05 16 26-0004 LF Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep.....	2.18	
04 05 16 26-0005 LF Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep.....	2.46	
04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill (04 05 16 26)		
Note: Per SF of face area filled.		
04 05 16 26-0007 SF Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF).....	1.26	
04 05 16 26-0008 SF Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF).....	1.94	
04 05 16 26-0009 SF Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF).....	2.78	
04 05 16 26-0010 SF Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF).....	3.45	
04 05 16 26-0011 SF Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF).....	4.11	
04 05 16 26-0012 Grout Cavity Walls, Grout Fill (04 05 16 26)		
Note: Per SF of face area filled.		
04 05 16 26-0013 SF Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF).....	1.61	
04 05 16 26-0014 SF Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF).....	2.29	
04 05 16 26-0015 SF Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF).....	2.91	
04 05 16 26-0016 SF Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF).....	4.01	
04 05 16 26-0017 Grout Frames, Grout Fill (04 05 16 26)		
04 05 16 26-0018 LF Grout Door Frames - Grout Fill.....	2.70	
04 05 16 26-0019 LF Grout Window Frames - Grout Fill.....	2.34	
04 05 16 26-0020 Sand Filled Walls (04 05 16 26)		
04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill (04 05 16 26-0020)		
Note: Per SF of face area filled.		
04 05 16 26-0022 SF Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF).....	1.21	
04 05 16 26-0023 SF Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF).....	1.67	
04 05 16 26-0024 SF Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF).....	2.07	
04 05 16 26-0025 SF Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF).....	2.78	
04 05 19 Masonry Anchorage And Reinforcing (04 05)		
04 05 19 13 Continuous Joint Reinforcing (04 05 19)		
Note: Includes cutting and bending.		
04 05 19 13-0001 Continuous Joint Reinforcing (04 05 19 13)		
04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0001)		
04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0004 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0005 CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	20.23	
For Class 1 Mill Galvanized, Add	1.47	
For Class 2 Mill Galvanized, Add	2.20	
For Hot-Dipped Galvanized, Add	3.67	
For Stainless Steel, Add	14.68	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0006 CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	21.48	
For Class 1 Mill Galvanized, Add	1.54	
For Class 2 Mill Galvanized, Add	2.31	
For Hot-Dipped Galvanized, Add	3.86	
For Stainless Steel, Add	15.42	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0007	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	23.15
	For Class 1 Mill Galvanized, Add	1.62
	For Class 2 Mill Galvanized, Add	2.44
	For Hot-Dipped Galvanized, Add	4.06
	For Stainless Steel, Add	16.24
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0008	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	25.11
	For Class 1 Mill Galvanized, Add	1.72
	For Class 2 Mill Galvanized, Add	2.58
	For Hot-Dipped Galvanized, Add	4.30
	For Stainless Steel, Add	17.18
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0009	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	27.42
	For Class 1 Mill Galvanized, Add	1.81
	For Class 2 Mill Galvanized, Add	2.72
	For Hot-Dipped Galvanized, Add	4.53
	For Stainless Steel, Add	18.12
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0010	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	29.11
	For Class 1 Mill Galvanized, Add	1.86
	For Class 2 Mill Galvanized, Add	2.78
	For Hot-Dipped Galvanized, Add	4.64
	For Stainless Steel, Add	18.56
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0011	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	30.36
	For Class 1 Mill Galvanized, Add	1.91
	For Class 2 Mill Galvanized, Add	2.86
	For Hot-Dipped Galvanized, Add	4.77
	For Stainless Steel, Add	19.08
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0012	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	35.26
	For Class 1 Mill Galvanized, Add	2.62
	For Class 2 Mill Galvanized, Add	3.93
	For Hot-Dipped Galvanized, Add	6.56
	For Stainless Steel, Add	26.22
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0013	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	43.74
	For Class 1 Mill Galvanized, Add	4.05
	For Class 2 Mill Galvanized, Add	6.08
	For Hot-Dipped Galvanized, Add	10.14
	For Stainless Steel, Add	40.54
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0014	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	
04 05 19 13-0015	CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	24.30
	For Class 1 Mill Galvanized, Add	2.28
	For Class 2 Mill Galvanized, Add	3.42
	For Hot-Dipped Galvanized, Add	5.70
	For Stainless Steel, Add	22.80
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0016	CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	25.59
	For Class 1 Mill Galvanized, Add	2.36
	For Class 2 Mill Galvanized, Add	3.55
	For Hot-Dipped Galvanized, Add	5.91
	For Stainless Steel, Add	23.64
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0017	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	27.31	
			For Class 1 Mill Galvanized, Add	2.46	
			For Class 2 Mill Galvanized, Add	3.68	
			For Hot-Dipped Galvanized, Add	6.14	
			For Stainless Steel, Add	24.56	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0018	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	29.23	
			For Class 1 Mill Galvanized, Add	2.54	
			For Class 2 Mill Galvanized, Add	3.81	
			For Hot-Dipped Galvanized, Add	6.36	
			For Stainless Steel, Add	25.42	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0019	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	31.52	
			For Class 1 Mill Galvanized, Add	2.63	
			For Class 2 Mill Galvanized, Add	3.95	
			For Hot-Dipped Galvanized, Add	6.58	
			For Stainless Steel, Add	26.32	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0020	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	33.22	
			For Class 1 Mill Galvanized, Add	2.68	
			For Class 2 Mill Galvanized, Add	4.02	
			For Hot-Dipped Galvanized, Add	6.70	
			For Stainless Steel, Add	26.80	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0021	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	34.45	
			For Class 1 Mill Galvanized, Add	2.73	
			For Class 2 Mill Galvanized, Add	4.09	
			For Hot-Dipped Galvanized, Add	6.82	
			For Stainless Steel, Add	27.26	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0022	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	40.67	
			For Class 1 Mill Galvanized, Add	3.70	
			For Class 2 Mill Galvanized, Add	5.56	
			For Hot-Dipped Galvanized, Add	9.26	
			For Stainless Steel, Add	37.04	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0023	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	53.01	
			For Class 1 Mill Galvanized, Add	5.91	
			For Class 2 Mill Galvanized, Add	8.87	
			For Hot-Dipped Galvanized, Add	14.78	
			For Stainless Steel, Add	59.10	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0024			3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement		
04 05 19 13-0025	CLF	#4	(For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	28.24	
			For Class 1 Mill Galvanized, Add	3.07	
			For Class 2 Mill Galvanized, Add	4.61	
			For Hot-Dipped Galvanized, Add	7.68	
			For Stainless Steel, Add	30.70	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0026	CLF	#6	(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	30.08	
			For Class 1 Mill Galvanized, Add	3.24	
			For Class 2 Mill Galvanized, Add	4.86	
			For Hot-Dipped Galvanized, Add	8.10	
			For Stainless Steel, Add	32.38	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	

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04 05 19 13-0027	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	31.91
	For Class 1 Mill Galvanized, Add	3.41
	For Class 2 Mill Galvanized, Add	5.11
	For Hot-Dipped Galvanized, Add	8.52
	For Stainless Steel, Add	34.06
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0028	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	34.56
	For Class 1 Mill Galvanized, Add	3.61
	For Class 2 Mill Galvanized, Add	5.41
	For Hot-Dipped Galvanized, Add	9.02
	For Stainless Steel, Add	36.08
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0029	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	37.22
	For Class 1 Mill Galvanized, Add	3.81
	For Class 2 Mill Galvanized, Add	5.71
	For Hot-Dipped Galvanized, Add	9.52
	For Stainless Steel, Add	38.08
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0030	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	39.41
	For Class 1 Mill Galvanized, Add	3.92
	For Class 2 Mill Galvanized, Add	5.87
	For Hot-Dipped Galvanized, Add	9.79
	For Stainless Steel, Add	39.16
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0031	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	40.70
	For Class 1 Mill Galvanized, Add	4.01
	For Class 2 Mill Galvanized, Add	6.01
	For Hot-Dipped Galvanized, Add	10.02
	For Stainless Steel, Add	40.08
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0032	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	43.11
	For Class 1 Mill Galvanized, Add	4.19
	For Class 2 Mill Galvanized, Add	6.29
	For Hot-Dipped Galvanized, Add	10.48
	For Stainless Steel, Add	41.92
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0033	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	58.30
	For Class 1 Mill Galvanized, Add	6.97
	For Class 2 Mill Galvanized, Add	10.45
	For Hot-Dipped Galvanized, Add	17.42
	For Stainless Steel, Add	69.66
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0034	Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>	
04 05 19 13-0035	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0034)</small>	
04 05 19 13-0036	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	29.20
	For Class 1 Mill Galvanized, Add	2.49
	For Class 2 Mill Galvanized, Add	3.74
	For Hot-Dipped Galvanized, Add	6.24
	For Stainless Steel, Add	24.94
	For Cavity Drip, Add	0.50
04 05 19 13-0037	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	32.21
	For Class 1 Mill Galvanized, Add	2.72
	For Class 2 Mill Galvanized, Add	4.09
	For Hot-Dipped Galvanized, Add	6.81
	For Stainless Steel, Add	27.24
	For Cavity Drip, Add	0.50
04 05 19 13-0038	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	35.08
	For Class 1 Mill Galvanized, Add	2.93
	For Class 2 Mill Galvanized, Add	4.39
	For Hot-Dipped Galvanized, Add	7.32
	For Stainless Steel, Add	29.26
	For Cavity Drip, Add	0.50



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04 05 19 13-0039 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	37.52	
For Class 1 Mill Galvanized, Add	3.04	
For Class 2 Mill Galvanized, Add	4.56	
For Hot-Dipped Galvanized, Add	7.61	
For Stainless Steel, Add	30.42	
For Cavity Drip, Add	0.50	
04 05 19 13-0040 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	38.99	
For Class 1 Mill Galvanized, Add	3.15	
For Class 2 Mill Galvanized, Add	4.73	
For Hot-Dipped Galvanized, Add	7.88	
For Stainless Steel, Add	31.50	
For Cavity Drip, Add	0.50	
04 05 19 13-0041 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	41.86	
For Class 1 Mill Galvanized, Add	3.39	
For Class 2 Mill Galvanized, Add	5.09	
For Hot-Dipped Galvanized, Add	8.48	
For Stainless Steel, Add	33.90	
For Cavity Drip, Add	0.50	
04 05 19 13-0042 CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	44.34	
For Class 1 Mill Galvanized, Add	3.59	
For Class 2 Mill Galvanized, Add	5.38	
For Hot-Dipped Galvanized, Add	8.97	
For Stainless Steel, Add	35.88	
For Cavity Drip, Add	0.50	
04 05 19 13-0043 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0034)</small>		
04 05 19 13-0044 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	34.27	
For Class 1 Mill Galvanized, Add	3.51	
For Class 2 Mill Galvanized, Add	5.26	
For Hot-Dipped Galvanized, Add	8.77	
For Stainless Steel, Add	35.08	
For Cavity Drip, Add	0.50	
04 05 19 13-0045 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	37.29	
For Class 1 Mill Galvanized, Add	3.74	
For Class 2 Mill Galvanized, Add	5.61	
For Hot-Dipped Galvanized, Add	9.35	
For Stainless Steel, Add	37.40	
For Cavity Drip, Add	0.50	
04 05 19 13-0046 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	40.10	
For Class 1 Mill Galvanized, Add	3.93	
For Class 2 Mill Galvanized, Add	5.90	
For Hot-Dipped Galvanized, Add	9.83	
For Stainless Steel, Add	39.30	
For Cavity Drip, Add	0.50	
04 05 19 13-0047 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	42.60	
For Class 1 Mill Galvanized, Add	4.06	
For Class 2 Mill Galvanized, Add	6.09	
For Hot-Dipped Galvanized, Add	10.15	
For Stainless Steel, Add	40.58	
For Cavity Drip, Add	0.50	
04 05 19 13-0048 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	44.06	
For Class 1 Mill Galvanized, Add	4.16	
For Class 2 Mill Galvanized, Add	6.25	
For Hot-Dipped Galvanized, Add	10.41	
For Stainless Steel, Add	41.64	
For Cavity Drip, Add	0.50	
04 05 19 13-0049 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	46.93	
For Class 1 Mill Galvanized, Add	4.40	
For Class 2 Mill Galvanized, Add	6.61	
For Hot-Dipped Galvanized, Add	11.01	
For Stainless Steel, Add	44.04	
For Cavity Drip, Add	0.50	
04 05 19 13-0050 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	49.48	
For Class 1 Mill Galvanized, Add	4.62	
For Class 2 Mill Galvanized, Add	6.92	
For Hot-Dipped Galvanized, Add	11.54	
For Stainless Steel, Add	46.16	
For Cavity Drip, Add	0.50	
04 05 19 13-0051 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0034)</small>		

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04 05 19 13-0052	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	36.73
	For Class 1 Mill Galvanized, Add	4.00
	For Class 2 Mill Galvanized, Add	6.00
	For Hot-Dipped Galvanized, Add	10.00
	For Stainless Steel, Add	40.00
	For Cavity Drip, Add	0.50
04 05 19 13-0053	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	40.33
	For Class 1 Mill Galvanized, Add	4.35
	For Class 2 Mill Galvanized, Add	6.52
	For Hot-Dipped Galvanized, Add	10.87
	For Stainless Steel, Add	43.48
	For Cavity Drip, Add	0.50
04 05 19 13-0054	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	43.90
	For Class 1 Mill Galvanized, Add	4.69
	For Class 2 Mill Galvanized, Add	7.04
	For Hot-Dipped Galvanized, Add	11.73
	For Stainless Steel, Add	46.90
	For Cavity Drip, Add	0.50
04 05 19 13-0055	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	46.67
	For Class 1 Mill Galvanized, Add	4.87
	For Class 2 Mill Galvanized, Add	7.31
	For Hot-Dipped Galvanized, Add	12.18
	For Stainless Steel, Add	48.72
	For Cavity Drip, Add	0.50
04 05 19 13-0056	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	48.43
	For Class 1 Mill Galvanized, Add	5.04
	For Class 2 Mill Galvanized, Add	7.56
	For Hot-Dipped Galvanized, Add	12.60
	For Stainless Steel, Add	50.38
	For Cavity Drip, Add	0.50
04 05 19 13-0057	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	51.87
	For Class 1 Mill Galvanized, Add	5.39
	For Class 2 Mill Galvanized, Add	8.09
	For Hot-Dipped Galvanized, Add	13.48
	For Stainless Steel, Add	53.92
	For Cavity Drip, Add	0.50
04 05 19 13-0058	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	55.11
	For Class 1 Mill Galvanized, Add	5.74
	For Class 2 Mill Galvanized, Add	8.61
	For Hot-Dipped Galvanized, Add	14.36
	For Stainless Steel, Add	57.42
	For Cavity Drip, Add	0.50
04 05 19 13-0059	Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>	
04 05 19 13-0060	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0059)</small>	
04 05 19 13-0061	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	42.84
	For Class 1 Mill Galvanized, Add	5.22
	For Class 2 Mill Galvanized, Add	7.83
	For Hot-Dipped Galvanized, Add	13.06
	For Stainless Steel, Add	52.22
04 05 19 13-0062	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	45.50
	For Class 1 Mill Galvanized, Add	5.38
	For Class 2 Mill Galvanized, Add	8.07
	For Hot-Dipped Galvanized, Add	13.46
	For Stainless Steel, Add	53.82
04 05 19 13-0063	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	48.17
	For Class 1 Mill Galvanized, Add	5.54
	For Class 2 Mill Galvanized, Add	8.32
	For Hot-Dipped Galvanized, Add	13.86
	For Stainless Steel, Add	55.44
04 05 19 13-0064	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	51.86
	For Class 1 Mill Galvanized, Add	5.72
	For Class 2 Mill Galvanized, Add	8.59
	For Hot-Dipped Galvanized, Add	14.31
	For Stainless Steel, Add	57.24
04 05 19 13-0065	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	54.42
	For Class 1 Mill Galvanized, Add	5.90
	For Class 2 Mill Galvanized, Add	8.85
	For Hot-Dipped Galvanized, Add	14.76
	For Stainless Steel, Add	59.02



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04 05 19 13-0066 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	57.28	
For Class 1 Mill Galvanized, Add	6.18	
For Class 2 Mill Galvanized, Add	9.26	
For Hot-Dipped Galvanized, Add	15.44	
For Stainless Steel, Add	61.76	
04 05 19 13-0067 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0059)		
04 05 19 13-0068 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	50.78	
For Class 1 Mill Galvanized, Add	6.81	
For Class 2 Mill Galvanized, Add	10.22	
For Hot-Dipped Galvanized, Add	17.03	
For Stainless Steel, Add	68.10	
04 05 19 13-0069 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	53.45	
For Class 1 Mill Galvanized, Add	6.97	
For Class 2 Mill Galvanized, Add	10.46	
For Hot-Dipped Galvanized, Add	17.43	
For Stainless Steel, Add	69.72	
04 05 19 13-0070 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	56.22	
For Class 1 Mill Galvanized, Add	7.15	
For Class 2 Mill Galvanized, Add	10.73	
For Hot-Dipped Galvanized, Add	17.89	
For Stainless Steel, Add	71.54	
04 05 19 13-0071 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	59.81	
For Class 1 Mill Galvanized, Add	7.31	
For Class 2 Mill Galvanized, Add	10.97	
For Hot-Dipped Galvanized, Add	18.29	
For Stainless Steel, Add	73.14	
04 05 19 13-0072 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	62.39	
For Class 1 Mill Galvanized, Add	7.50	
For Class 2 Mill Galvanized, Add	11.24	
For Hot-Dipped Galvanized, Add	18.74	
For Stainless Steel, Add	74.96	
04 05 19 13-0073 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	64.79	
For Class 1 Mill Galvanized, Add	7.68	
For Class 2 Mill Galvanized, Add	11.52	
For Hot-Dipped Galvanized, Add	19.20	
For Stainless Steel, Add	76.78	
04 05 19 13-0074 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0059)		
04 05 19 13-0075 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	51.37	
For Class 1 Mill Galvanized, Add	6.93	
For Class 2 Mill Galvanized, Add	10.39	
For Hot-Dipped Galvanized, Add	17.32	
For Stainless Steel, Add	69.28	
04 05 19 13-0076 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	54.47	
For Class 1 Mill Galvanized, Add	7.18	
For Class 2 Mill Galvanized, Add	10.76	
For Hot-Dipped Galvanized, Add	17.94	
For Stainless Steel, Add	71.76	
04 05 19 13-0077 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	57.57	
For Class 1 Mill Galvanized, Add	7.42	
For Class 2 Mill Galvanized, Add	11.14	
For Hot-Dipped Galvanized, Add	18.56	
For Stainless Steel, Add	74.24	
04 05 19 13-0078 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	61.85	
For Class 1 Mill Galvanized, Add	7.72	
For Class 2 Mill Galvanized, Add	11.58	
For Hot-Dipped Galvanized, Add	19.31	
For Stainless Steel, Add	77.22	
04 05 19 13-0079 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	65.01	
For Class 1 Mill Galvanized, Add	8.02	
For Class 2 Mill Galvanized, Add	12.03	
For Hot-Dipped Galvanized, Add	20.05	
For Stainless Steel, Add	80.20	
04 05 19 13-0080 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	67.97	
For Class 1 Mill Galvanized, Add	8.31	
For Class 2 Mill Galvanized, Add	12.47	
For Hot-Dipped Galvanized, Add	20.79	
For Stainless Steel, Add	83.14	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0081	Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>	
04 05 19 13-0082	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0081)</small>	
04 05 19 13-0083	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	46.18
	For Class 1 Mill Galvanized, Add	5.52
	For Class 2 Mill Galvanized, Add	8.28
	For Hot-Dipped Galvanized, Add	13.80
	For Stainless Steel, Add	55.18
04 05 19 13-0084	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	48.83
	For Class 1 Mill Galvanized, Add	5.68
	For Class 2 Mill Galvanized, Add	8.51
	For Hot-Dipped Galvanized, Add	14.19
	For Stainless Steel, Add	56.76
04 05 19 13-0085	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	52.41
	For Class 1 Mill Galvanized, Add	5.83
	For Class 2 Mill Galvanized, Add	8.75
	For Hot-Dipped Galvanized, Add	14.59
	For Stainless Steel, Add	58.34
04 05 19 13-0086	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	55.01
	For Class 1 Mill Galvanized, Add	6.02
	For Class 2 Mill Galvanized, Add	9.03
	For Hot-Dipped Galvanized, Add	15.05
	For Stainless Steel, Add	60.20
04 05 19 13-0087	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	57.40
	For Class 1 Mill Galvanized, Add	6.20
	For Class 2 Mill Galvanized, Add	9.30
	For Hot-Dipped Galvanized, Add	15.50
	For Stainless Steel, Add	62.00
04 05 19 13-0088	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	60.25
	For Class 1 Mill Galvanized, Add	6.56
	For Class 2 Mill Galvanized, Add	9.84
	For Hot-Dipped Galvanized, Add	16.41
	For Stainless Steel, Add	65.62
04 05 19 13-0089	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0081)</small>	
04 05 19 13-0090	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	54.14
	For Class 1 Mill Galvanized, Add	7.11
	For Class 2 Mill Galvanized, Add	10.67
	For Hot-Dipped Galvanized, Add	17.78
	For Stainless Steel, Add	71.10
04 05 19 13-0091	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	56.80
	For Class 1 Mill Galvanized, Add	7.27
	For Class 2 Mill Galvanized, Add	10.91
	For Hot-Dipped Galvanized, Add	18.18
	For Stainless Steel, Add	72.70
04 05 19 13-0092	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	60.48
	For Class 1 Mill Galvanized, Add	7.45
	For Class 2 Mill Galvanized, Add	11.17
	For Hot-Dipped Galvanized, Add	18.62
	For Stainless Steel, Add	74.48
04 05 19 13-0093	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	62.95
	For Class 1 Mill Galvanized, Add	7.61
	For Class 2 Mill Galvanized, Add	11.41
	For Hot-Dipped Galvanized, Add	19.02
	For Stainless Steel, Add	76.08
04 05 19 13-0094	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	65.35
	For Class 1 Mill Galvanized, Add	7.79
	For Class 2 Mill Galvanized, Add	11.69
	For Hot-Dipped Galvanized, Add	19.48
	For Stainless Steel, Add	77.90
04 05 19 13-0095	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	68.30
	For Class 1 Mill Galvanized, Add	8.17
	For Class 2 Mill Galvanized, Add	12.26
	For Hot-Dipped Galvanized, Add	20.43
	For Stainless Steel, Add	81.72
04 05 19 13-0096	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0081)</small>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0097 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	54.70	
<i>For Class 1 Mill Galvanized, Add</i>	7.22	
<i>For Class 2 Mill Galvanized, Add</i>	10.83	
<i>For Hot-Dipped Galvanized, Add</i>	18.06	
<i>For Stainless Steel, Add</i>	72.22	
04 05 19 13-0098 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	57.81	
<i>For Class 1 Mill Galvanized, Add</i>	7.47	
<i>For Class 2 Mill Galvanized, Add</i>	11.21	
<i>For Hot-Dipped Galvanized, Add</i>	18.68	
<i>For Stainless Steel, Add</i>	74.72	
04 05 19 13-0099 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	61.85	
<i>For Class 1 Mill Galvanized, Add</i>	7.72	
<i>For Class 2 Mill Galvanized, Add</i>	11.58	
<i>For Hot-Dipped Galvanized, Add</i>	19.31	
<i>For Stainless Steel, Add</i>	77.22	
04 05 19 13-0100 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	65.01	
<i>For Class 1 Mill Galvanized, Add</i>	8.02	
<i>For Class 2 Mill Galvanized, Add</i>	12.03	
<i>For Hot-Dipped Galvanized, Add</i>	20.05	
<i>For Stainless Steel, Add</i>	80.20	
04 05 19 13-0101 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	67.97	
<i>For Class 1 Mill Galvanized, Add</i>	8.31	
<i>For Class 2 Mill Galvanized, Add</i>	12.47	
<i>For Hot-Dipped Galvanized, Add</i>	20.79	
<i>For Stainless Steel, Add</i>	83.14	
04 05 19 13-0102 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	71.12	
<i>For Class 1 Mill Galvanized, Add</i>	8.74	
<i>For Class 2 Mill Galvanized, Add</i>	13.10	
<i>For Hot-Dipped Galvanized, Add</i>	21.84	
<i>For Stainless Steel, Add</i>	87.36	
04 05 19 13-0103 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0104 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0103)</small>		
04 05 19 13-0105 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	43.57	
<i>For Class 1 Mill Galvanized, Add</i>	5.00	
<i>For Class 2 Mill Galvanized, Add</i>	7.49	
<i>For Hot-Dipped Galvanized, Add</i>	12.49	
<i>For Stainless Steel, Add</i>	49.96	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0106 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	46.08	
<i>For Class 1 Mill Galvanized, Add</i>	5.13	
<i>For Class 2 Mill Galvanized, Add</i>	7.69	
<i>For Hot-Dipped Galvanized, Add</i>	12.82	
<i>For Stainless Steel, Add</i>	51.26	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0107 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	49.56	
<i>For Class 1 Mill Galvanized, Add</i>	5.26	
<i>For Class 2 Mill Galvanized, Add</i>	7.90	
<i>For Hot-Dipped Galvanized, Add</i>	13.16	
<i>For Stainless Steel, Add</i>	52.64	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0108 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	51.98	
<i>For Class 1 Mill Galvanized, Add</i>	5.41	
<i>For Class 2 Mill Galvanized, Add</i>	8.12	
<i>For Hot-Dipped Galvanized, Add</i>	13.54	
<i>For Stainless Steel, Add</i>	54.14	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0109 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	54.24	
<i>For Class 1 Mill Galvanized, Add</i>	5.57	
<i>For Class 2 Mill Galvanized, Add</i>	8.35	
<i>For Hot-Dipped Galvanized, Add</i>	13.92	
<i>For Stainless Steel, Add</i>	55.68	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0110 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	55.98	
<i>For Class 1 Mill Galvanized, Add</i>	5.71	
<i>For Class 2 Mill Galvanized, Add</i>	8.56	
<i>For Hot-Dipped Galvanized, Add</i>	14.27	
<i>For Stainless Steel, Add</i>	57.08	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0111 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0103)</small>		

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**
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04 05 19 13-0112	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	51.03
	<i>For Class 1 Mill Galvanized, Add</i>	6.49
	<i>For Class 2 Mill Galvanized, Add</i>	9.73
	<i>For Hot-Dipped Galvanized, Add</i>	16.22
	<i>For Stainless Steel, Add</i>	64.88
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0113	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	53.39
	<i>For Class 1 Mill Galvanized, Add</i>	6.59
	<i>For Class 2 Mill Galvanized, Add</i>	9.88
	<i>For Hot-Dipped Galvanized, Add</i>	16.47
	<i>For Stainless Steel, Add</i>	65.88
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0114	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	56.90
	<i>For Class 1 Mill Galvanized, Add</i>	6.73
	<i>For Class 2 Mill Galvanized, Add</i>	10.10
	<i>For Hot-Dipped Galvanized, Add</i>	16.83
	<i>For Stainless Steel, Add</i>	67.32
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0115	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	59.27
	<i>For Class 1 Mill Galvanized, Add</i>	6.87
	<i>For Class 2 Mill Galvanized, Add</i>	10.31
	<i>For Hot-Dipped Galvanized, Add</i>	17.18
	<i>For Stainless Steel, Add</i>	68.72
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0116	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	61.45
	<i>For Class 1 Mill Galvanized, Add</i>	7.01
	<i>For Class 2 Mill Galvanized, Add</i>	10.52
	<i>For Hot-Dipped Galvanized, Add</i>	17.53
	<i>For Stainless Steel, Add</i>	70.10
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0117	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	64.00
	<i>For Class 1 Mill Galvanized, Add</i>	7.31
	<i>For Class 2 Mill Galvanized, Add</i>	10.97
	<i>For Hot-Dipped Galvanized, Add</i>	18.28
	<i>For Stainless Steel, Add</i>	73.12
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0118	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0103)</small>	
04 05 19 13-0119	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	51.58
	<i>For Class 1 Mill Galvanized, Add</i>	6.60
	<i>For Class 2 Mill Galvanized, Add</i>	9.90
	<i>For Hot-Dipped Galvanized, Add</i>	16.50
	<i>For Stainless Steel, Add</i>	65.98
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0120	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	54.63
	<i>For Class 1 Mill Galvanized, Add</i>	6.84
	<i>For Class 2 Mill Galvanized, Add</i>	10.25
	<i>For Hot-Dipped Galvanized, Add</i>	17.09
	<i>For Stainless Steel, Add</i>	68.36
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0121	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	58.60
	<i>For Class 1 Mill Galvanized, Add</i>	7.07
	<i>For Class 2 Mill Galvanized, Add</i>	10.61
	<i>For Hot-Dipped Galvanized, Add</i>	17.68
	<i>For Stainless Steel, Add</i>	70.72
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0122	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	61.68
	<i>For Class 1 Mill Galvanized, Add</i>	7.35
	<i>For Class 2 Mill Galvanized, Add</i>	11.03
	<i>For Hot-Dipped Galvanized, Add</i>	18.39
	<i>For Stainless Steel, Add</i>	73.54
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0123	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	64.59
	<i>For Class 1 Mill Galvanized, Add</i>	7.64
	<i>For Class 2 Mill Galvanized, Add</i>	11.46
	<i>For Hot-Dipped Galvanized, Add</i>	19.10
	<i>For Stainless Steel, Add</i>	76.38
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0124	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	67.03
	<i>For Class 1 Mill Galvanized, Add</i>	7.92
	<i>For Class 2 Mill Galvanized, Add</i>	11.88
	<i>For Hot-Dipped Galvanized, Add</i>	19.80
	<i>For Stainless Steel, Add</i>	79.18
	<i>For Seismic Hook And Eye, Add</i>	27.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0125	Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0126	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0125)</small>		
04 05 19 13-0127	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	46.91	
	<i>For Class 1 Mill Galvanized, Add</i>	5.29	
	<i>For Class 2 Mill Galvanized, Add</i>	7.94	
	<i>For Hot-Dipped Galvanized, Add</i>	13.23	
	<i>For Stainless Steel, Add</i>	52.92	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0128	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	50.34	
	<i>For Class 1 Mill Galvanized, Add</i>	5.42	
	<i>For Class 2 Mill Galvanized, Add</i>	8.13	
	<i>For Hot-Dipped Galvanized, Add</i>	13.55	
	<i>For Stainless Steel, Add</i>	54.20	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0129	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	52.65	
	<i>For Class 1 Mill Galvanized, Add</i>	5.55	
	<i>For Class 2 Mill Galvanized, Add</i>	8.32	
	<i>For Hot-Dipped Galvanized, Add</i>	13.87	
	<i>For Stainless Steel, Add</i>	55.48	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0130	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	54.96	
	<i>For Class 1 Mill Galvanized, Add</i>	5.71	
	<i>For Class 2 Mill Galvanized, Add</i>	8.57	
	<i>For Hot-Dipped Galvanized, Add</i>	14.28	
	<i>For Stainless Steel, Add</i>	57.12	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0131	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	56.74	
	<i>For Class 1 Mill Galvanized, Add</i>	5.86	
	<i>For Class 2 Mill Galvanized, Add</i>	8.79	
	<i>For Hot-Dipped Galvanized, Add</i>	14.65	
	<i>For Stainless Steel, Add</i>	58.60	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0132	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0125)</small>		
04 05 19 13-0133	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	54.10	
	<i>For Class 1 Mill Galvanized, Add</i>	6.73	
	<i>For Class 2 Mill Galvanized, Add</i>	10.10	
	<i>For Hot-Dipped Galvanized, Add</i>	16.83	
	<i>For Stainless Steel, Add</i>	67.30	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0134	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	57.59	
	<i>For Class 1 Mill Galvanized, Add</i>	6.87	
	<i>For Class 2 Mill Galvanized, Add</i>	10.31	
	<i>For Hot-Dipped Galvanized, Add</i>	17.18	
	<i>For Stainless Steel, Add</i>	68.70	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0135	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	60.00	
	<i>For Class 1 Mill Galvanized, Add</i>	7.02	
	<i>For Class 2 Mill Galvanized, Add</i>	10.53	
	<i>For Hot-Dipped Galvanized, Add</i>	17.55	
	<i>For Stainless Steel, Add</i>	70.18	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0136	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	62.08	
	<i>For Class 1 Mill Galvanized, Add</i>	7.14	
	<i>For Class 2 Mill Galvanized, Add</i>	10.70	
	<i>For Hot-Dipped Galvanized, Add</i>	17.84	
	<i>For Stainless Steel, Add</i>	71.36	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0137	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	63.93	
	<i>For Class 1 Mill Galvanized, Add</i>	7.30	
	<i>For Class 2 Mill Galvanized, Add</i>	10.95	
	<i>For Hot-Dipped Galvanized, Add</i>	18.25	
	<i>For Stainless Steel, Add</i>	72.98	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0138	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0125)</small>		

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0139	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	54.84
	<i>For Class 1 Mill Galvanized, Add</i>	6.88
	<i>For Class 2 Mill Galvanized, Add</i>	10.32
	<i>For Hot-Dipped Galvanized, Add</i>	17.20
	<i>For Stainless Steel, Add</i>	68.78
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0140	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	58.82
	<i>For Class 1 Mill Galvanized, Add</i>	7.12
	<i>For Class 2 Mill Galvanized, Add</i>	10.67
	<i>For Hot-Dipped Galvanized, Add</i>	17.79
	<i>For Stainless Steel, Add</i>	71.16
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0141	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	61.68
	<i>For Class 1 Mill Galvanized, Add</i>	7.35
	<i>For Class 2 Mill Galvanized, Add</i>	11.03
	<i>For Hot-Dipped Galvanized, Add</i>	18.39
	<i>For Stainless Steel, Add</i>	73.54
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0142	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	64.59
	<i>For Class 1 Mill Galvanized, Add</i>	7.64
	<i>For Class 2 Mill Galvanized, Add</i>	11.46
	<i>For Hot-Dipped Galvanized, Add</i>	19.10
	<i>For Stainless Steel, Add</i>	76.38
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0143	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	67.03
	<i>For Class 1 Mill Galvanized, Add</i>	7.92
	<i>For Class 2 Mill Galvanized, Add</i>	11.88
	<i>For Hot-Dipped Galvanized, Add</i>	19.80
	<i>For Stainless Steel, Add</i>	79.18
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0144	Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>	
04 05 19 13-0145	Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>	
04 05 19 13-0146	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0145)</small>	
04 05 19 13-0147	CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	23.29
	<i>For Class 1 Mill Galvanized, Add</i>	2.08
	<i>For Class 2 Mill Galvanized, Add</i>	3.12
	<i>For Hot-Dipped Galvanized, Add</i>	5.20
	<i>For Stainless Steel, Add</i>	20.80
	<i>For Cavity Drip, Add</i>	0.50
	<i>For 3-Wire, Add</i>	8.75
	<i>For Double Side Rods, Add</i>	17.50
04 05 19 13-0148	CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	24.29
	<i>For Class 1 Mill Galvanized, Add</i>	2.10
	<i>For Class 2 Mill Galvanized, Add</i>	3.16
	<i>For Hot-Dipped Galvanized, Add</i>	5.26
	<i>For Stainless Steel, Add</i>	21.04
	<i>For Cavity Drip, Add</i>	0.50
	<i>For 3-Wire, Add</i>	8.75
	<i>For Double Side Rods, Add</i>	17.50
04 05 19 13-0149	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	25.96
	<i>For Class 1 Mill Galvanized, Add</i>	2.19
	<i>For Class 2 Mill Galvanized, Add</i>	3.28
	<i>For Hot-Dipped Galvanized, Add</i>	5.47
	<i>For Stainless Steel, Add</i>	21.86
	<i>For Cavity Drip, Add</i>	0.50
	<i>For 3-Wire, Add</i>	8.75
	<i>For Double Side Rods, Add</i>	17.50
04 05 19 13-0150	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	27.99
	<i>For Class 1 Mill Galvanized, Add</i>	2.29
	<i>For Class 2 Mill Galvanized, Add</i>	3.44
	<i>For Hot-Dipped Galvanized, Add</i>	5.74
	<i>For Stainless Steel, Add</i>	22.94
	<i>For Cavity Drip, Add</i>	0.50
	<i>For 3-Wire, Add</i>	8.75
	<i>For Double Side Rods, Add</i>	17.50
04 05 19 13-0151	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	30.44
	<i>For Class 1 Mill Galvanized, Add</i>	2.42
	<i>For Class 2 Mill Galvanized, Add</i>	3.62
	<i>For Hot-Dipped Galvanized, Add</i>	6.04
	<i>For Stainless Steel, Add</i>	24.16
	<i>For Cavity Drip, Add</i>	0.50
	<i>For 3-Wire, Add</i>	8.75
	<i>For Double Side Rods, Add</i>	17.50



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0152	CLF	#13	(For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	32.23	
			For Class 1 Mill Galvanized, Add	2.48	
			For Class 2 Mill Galvanized, Add	3.72	
			For Hot-Dipped Galvanized, Add	6.20	
			For Stainless Steel, Add	24.80	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0153	CLF	#14	(For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	33.54	
			For Class 1 Mill Galvanized, Add	2.58	
			For Class 2 Mill Galvanized, Add	3.86	
			For Hot-Dipped Galvanized, Add	6.44	
			For Stainless Steel, Add	25.76	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0154	CLF	#16	(For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	40.24	
			For Class 1 Mill Galvanized, Add	3.62	
			For Class 2 Mill Galvanized, Add	5.43	
			For Hot-Dipped Galvanized, Add	9.05	
			For Stainless Steel, Add	36.18	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0155	CLF	#18	(For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	42.58	
			For Class 1 Mill Galvanized, Add	3.82	
			For Class 2 Mill Galvanized, Add	5.74	
			For Hot-Dipped Galvanized, Add	9.56	
			For Stainless Steel, Add	38.24	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0156	CLF	#20	(For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	58.20	
			For Class 1 Mill Galvanized, Add	6.62	
			For Class 2 Mill Galvanized, Add	9.92	
			For Hot-Dipped Galvanized, Add	16.54	
			For Stainless Steel, Add	66.16	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0157			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		
04 05 19 13-0158	CLF	#4	(For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	27.33	
			For Class 1 Mill Galvanized, Add	2.89	
			For Class 2 Mill Galvanized, Add	4.33	
			For Hot-Dipped Galvanized, Add	7.22	
			For Stainless Steel, Add	28.86	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0159	CLF	#6	(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	28.40	
			For Class 1 Mill Galvanized, Add	2.93	
			For Class 2 Mill Galvanized, Add	4.39	
			For Hot-Dipped Galvanized, Add	7.32	
			For Stainless Steel, Add	29.26	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0160	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	30.07	
			For Class 1 Mill Galvanized, Add	3.01	
			For Class 2 Mill Galvanized, Add	4.51	
			For Hot-Dipped Galvanized, Add	7.52	
			For Stainless Steel, Add	30.08	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	
04 05 19 13-0161	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	32.09	
			For Class 1 Mill Galvanized, Add	3.11	
			For Class 2 Mill Galvanized, Add	4.67	
			For Hot-Dipped Galvanized, Add	7.79	
			For Stainless Steel, Add	31.14	
			For Cavity Drip, Add	0.50	
			For 3-Wire, Add	8.75	
			For Double Side Rods, Add	17.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0162	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	34.48
	For Class 1 Mill Galvanized, Add	3.22
	For Class 2 Mill Galvanized, Add	4.84
	For Hot-Dipped Galvanized, Add	8.06
	For Stainless Steel, Add	32.24
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0163	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	36.32
	For Class 1 Mill Galvanized, Add	3.30
	For Class 2 Mill Galvanized, Add	4.95
	For Hot-Dipped Galvanized, Add	8.25
	For Stainless Steel, Add	33.00
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0164	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	37.57
	For Class 1 Mill Galvanized, Add	3.38
	For Class 2 Mill Galvanized, Add	5.07
	For Hot-Dipped Galvanized, Add	8.46
	For Stainless Steel, Add	33.82
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0165	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	45.65
	For Class 1 Mill Galvanized, Add	4.70
	For Class 2 Mill Galvanized, Add	7.05
	For Hot-Dipped Galvanized, Add	11.75
	For Stainless Steel, Add	47.00
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0166	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	48.00
	For Class 1 Mill Galvanized, Add	4.91
	For Class 2 Mill Galvanized, Add	7.36
	For Hot-Dipped Galvanized, Add	12.27
	For Stainless Steel, Add	49.08
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0167	CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	69.82
	For Class 1 Mill Galvanized, Add	9.27
	For Class 2 Mill Galvanized, Add	13.91
	For Hot-Dipped Galvanized, Add	23.18
	For Stainless Steel, Add	92.72
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0168	3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0145)	
04 05 19 13-0169	CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	33.47
	For Class 1 Mill Galvanized, Add	4.12
	For Class 2 Mill Galvanized, Add	6.17
	For Hot-Dipped Galvanized, Add	10.29
	For Stainless Steel, Add	41.16
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0170	CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	34.73
	For Class 1 Mill Galvanized, Add	4.17
	For Class 2 Mill Galvanized, Add	6.25
	For Hot-Dipped Galvanized, Add	10.42
	For Stainless Steel, Add	41.68
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50
04 05 19 13-0171	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	36.48
	For Class 1 Mill Galvanized, Add	4.32
	For Class 2 Mill Galvanized, Add	6.48
	For Hot-Dipped Galvanized, Add	10.80
	For Stainless Steel, Add	43.20
	For Cavity Drip, Add	0.50
	For 3-Wire, Add	8.75
	For Double Side Rods, Add	17.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0172 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	39.17	
For Class 1 Mill Galvanized, Add	4.53	
For Class 2 Mill Galvanized, Add	6.80	
For Hot-Dipped Galvanized, Add	11.33	
For Stainless Steel, Add	45.30	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0173 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	42.13	
For Class 1 Mill Galvanized, Add	4.79	
For Class 2 Mill Galvanized, Add	7.19	
For Hot-Dipped Galvanized, Add	11.98	
For Stainless Steel, Add	47.90	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0174 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	44.38	
For Class 1 Mill Galvanized, Add	4.91	
For Class 2 Mill Galvanized, Add	7.37	
For Hot-Dipped Galvanized, Add	12.28	
For Stainless Steel, Add	49.10	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0175 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	46.10	
For Class 1 Mill Galvanized, Add	5.09	
For Class 2 Mill Galvanized, Add	7.63	
For Hot-Dipped Galvanized, Add	12.72	
For Stainless Steel, Add	50.88	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0176 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	57.85	
For Class 1 Mill Galvanized, Add	7.14	
For Class 2 Mill Galvanized, Add	10.71	
For Hot-Dipped Galvanized, Add	17.85	
For Stainless Steel, Add	71.40	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0177 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	61.20	
For Class 1 Mill Galvanized, Add	7.55	
For Class 2 Mill Galvanized, Add	11.32	
For Hot-Dipped Galvanized, Add	18.87	
For Stainless Steel, Add	75.46	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0178 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	90.35	
For Class 1 Mill Galvanized, Add	13.05	
For Class 2 Mill Galvanized, Add	19.57	
For Hot-Dipped Galvanized, Add	32.62	
For Stainless Steel, Add	130.46	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0179 Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>		
04 05 19 13-0180 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0179)</small>		
04 05 19 13-0181 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	33.03	
For Class 1 Mill Galvanized, Add	3.26	
For Class 2 Mill Galvanized, Add	4.89	
For Hot-Dipped Galvanized, Add	8.15	
For Stainless Steel, Add	32.60	
For Cavity Drip, Add	0.50	
04 05 19 13-0182 CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	35.68	
For Class 1 Mill Galvanized, Add	3.42	
For Class 2 Mill Galvanized, Add	5.13	
For Hot-Dipped Galvanized, Add	8.55	
For Stainless Steel, Add	34.18	
For Cavity Drip, Add	0.50	
04 05 19 13-0183 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	38.54	
For Class 1 Mill Galvanized, Add	3.62	
For Class 2 Mill Galvanized, Add	5.43	
For Hot-Dipped Galvanized, Add	9.05	
For Stainless Steel, Add	36.18	
For Cavity Drip, Add	0.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0184	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	41.08	
	For Class 1 Mill Galvanized, Add	3.75	
	For Class 2 Mill Galvanized, Add	5.63	
	For Hot-Dipped Galvanized, Add	9.39	
	For Stainless Steel, Add	37.54	
	For Cavity Drip, Add	0.50	
04 05 19 13-0185	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	42.59	
	For Class 1 Mill Galvanized, Add	3.87	
	For Class 2 Mill Galvanized, Add	5.81	
	For Hot-Dipped Galvanized, Add	9.68	
	For Stainless Steel, Add	38.70	
	For Cavity Drip, Add	0.50	
04 05 19 13-0186	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	45.64	
	For Class 1 Mill Galvanized, Add	4.15	
	For Class 2 Mill Galvanized, Add	6.22	
	For Hot-Dipped Galvanized, Add	10.37	
	For Stainless Steel, Add	41.46	
	For Cavity Drip, Add	0.50	
04 05 19 13-0187	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	48.51	
	For Class 1 Mill Galvanized, Add	4.42	
	For Class 2 Mill Galvanized, Add	6.63	
	For Hot-Dipped Galvanized, Add	11.06	
	For Stainless Steel, Add	44.22	
	For Cavity Drip, Add	0.50	
04 05 19 13-0188	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0179)</small>		
04 05 19 13-0189	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	38.11	
	For Class 1 Mill Galvanized, Add	4.28	
	For Class 2 Mill Galvanized, Add	6.41	
	For Hot-Dipped Galvanized, Add	10.69	
	For Stainless Steel, Add	42.76	
	For Cavity Drip, Add	0.50	
04 05 19 13-0190	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	40.77	
	For Class 1 Mill Galvanized, Add	4.44	
	For Class 2 Mill Galvanized, Add	6.65	
	For Hot-Dipped Galvanized, Add	11.09	
	For Stainless Steel, Add	44.36	
	For Cavity Drip, Add	0.50	
04 05 19 13-0191	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	43.61	
	For Class 1 Mill Galvanized, Add	4.63	
	For Class 2 Mill Galvanized, Add	6.95	
	For Hot-Dipped Galvanized, Add	11.58	
	For Stainless Steel, Add	46.32	
	For Cavity Drip, Add	0.50	
04 05 19 13-0192	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	46.16	
	For Class 1 Mill Galvanized, Add	4.77	
	For Class 2 Mill Galvanized, Add	7.16	
	For Hot-Dipped Galvanized, Add	11.93	
	For Stainless Steel, Add	47.70	
	For Cavity Drip, Add	0.50	
04 05 19 13-0193	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	47.63	
	For Class 1 Mill Galvanized, Add	4.88	
	For Class 2 Mill Galvanized, Add	7.32	
	For Hot-Dipped Galvanized, Add	12.20	
	For Stainless Steel, Add	48.78	
	For Cavity Drip, Add	0.50	
04 05 19 13-0194	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	50.69	
	For Class 1 Mill Galvanized, Add	5.16	
	For Class 2 Mill Galvanized, Add	7.73	
	For Hot-Dipped Galvanized, Add	12.89	
	For Stainless Steel, Add	51.56	
	For Cavity Drip, Add	0.50	
04 05 19 13-0195	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	53.59	
	For Class 1 Mill Galvanized, Add	5.44	
	For Class 2 Mill Galvanized, Add	8.16	
	For Hot-Dipped Galvanized, Add	13.60	
	For Stainless Steel, Add	54.38	
	For Cavity Drip, Add	0.50	
04 05 19 13-0196	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0179)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0197	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	42.82	
			<i>For Class 1 Mill Galvanized, Add</i>	5.22	
			<i>For Class 2 Mill Galvanized, Add</i>	7.83	
			<i>For Hot-Dipped Galvanized, Add</i>	13.05	
			<i>For Stainless Steel, Add</i>	52.18	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0198	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	45.91	
			<i>For Class 1 Mill Galvanized, Add</i>	5.46	
			<i>For Class 2 Mill Galvanized, Add</i>	8.20	
			<i>For Hot-Dipped Galvanized, Add</i>	13.66	
			<i>For Stainless Steel, Add</i>	54.64	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0199	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	49.47	
			<i>For Class 1 Mill Galvanized, Add</i>	5.80	
			<i>For Class 2 Mill Galvanized, Add</i>	8.71	
			<i>For Hot-Dipped Galvanized, Add</i>	14.51	
			<i>For Stainless Steel, Add</i>	58.04	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0200	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	52.25	
			<i>For Class 1 Mill Galvanized, Add</i>	5.99	
			<i>For Class 2 Mill Galvanized, Add</i>	8.98	
			<i>For Hot-Dipped Galvanized, Add</i>	14.97	
			<i>For Stainless Steel, Add</i>	59.88	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0201	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	54.10	
			<i>For Class 1 Mill Galvanized, Add</i>	6.17	
			<i>For Class 2 Mill Galvanized, Add</i>	9.26	
			<i>For Hot-Dipped Galvanized, Add</i>	15.43	
			<i>For Stainless Steel, Add</i>	61.72	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0202	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	57.85	
			<i>For Class 1 Mill Galvanized, Add</i>	6.59	
			<i>For Class 2 Mill Galvanized, Add</i>	9.88	
			<i>For Hot-Dipped Galvanized, Add</i>	16.47	
			<i>For Stainless Steel, Add</i>	65.88	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0203	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	61.06	
			<i>For Class 1 Mill Galvanized, Add</i>	6.93	
			<i>For Class 2 Mill Galvanized, Add</i>	10.40	
			<i>For Hot-Dipped Galvanized, Add</i>	17.33	
			<i>For Stainless Steel, Add</i>	69.32	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0204			Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>		
04 05 19 13-0205			9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0206	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	48.86	
			<i>For Class 1 Mill Galvanized, Add</i>	6.43	
			<i>For Class 2 Mill Galvanized, Add</i>	9.64	
			<i>For Hot-Dipped Galvanized, Add</i>	16.07	
			<i>For Stainless Steel, Add</i>	64.26	
04 05 19 13-0207	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	50.95	
			<i>For Class 1 Mill Galvanized, Add</i>	6.47	
			<i>For Class 2 Mill Galvanized, Add</i>	9.71	
			<i>For Hot-Dipped Galvanized, Add</i>	16.18	
			<i>For Stainless Steel, Add</i>	64.72	
04 05 19 13-0208	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	53.59	
			<i>For Class 1 Mill Galvanized, Add</i>	6.63	
			<i>For Class 2 Mill Galvanized, Add</i>	9.94	
			<i>For Hot-Dipped Galvanized, Add</i>	16.57	
			<i>For Stainless Steel, Add</i>	66.28	
04 05 19 13-0209	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	57.43	
			<i>For Class 1 Mill Galvanized, Add</i>	6.84	
			<i>For Class 2 Mill Galvanized, Add</i>	10.26	
			<i>For Hot-Dipped Galvanized, Add</i>	17.10	
			<i>For Stainless Steel, Add</i>	68.38	
04 05 19 13-0210	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	60.33	
			<i>For Class 1 Mill Galvanized, Add</i>	7.08	
			<i>For Class 2 Mill Galvanized, Add</i>	10.63	
			<i>For Hot-Dipped Galvanized, Add</i>	17.71	
			<i>For Stainless Steel, Add</i>	70.84	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**
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04 05 19 13-0211	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	63.33
	<i>For Class 1 Mill Galvanized, Add</i>	7.39
	<i>For Class 2 Mill Galvanized, Add</i>	11.08
	<i>For Hot-Dipped Galvanized, Add</i>	18.47
	<i>For Stainless Steel, Add</i>	73.86
04 05 19 13-0212	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0204)	
04 05 19 13-0213	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	56.72
	<i>For Class 1 Mill Galvanized, Add</i>	8.00
	<i>For Class 2 Mill Galvanized, Add</i>	12.00
	<i>For Hot-Dipped Galvanized, Add</i>	20.00
	<i>For Stainless Steel, Add</i>	79.98
04 05 19 13-0214	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	58.91
	<i>For Class 1 Mill Galvanized, Add</i>	8.06
	<i>For Class 2 Mill Galvanized, Add</i>	12.10
	<i>For Hot-Dipped Galvanized, Add</i>	20.16
	<i>For Stainless Steel, Add</i>	80.64
04 05 19 13-0215	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	61.56
	<i>For Class 1 Mill Galvanized, Add</i>	8.22
	<i>For Class 2 Mill Galvanized, Add</i>	12.33
	<i>For Hot-Dipped Galvanized, Add</i>	20.56
	<i>For Stainless Steel, Add</i>	82.22
04 05 19 13-0216	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	65.37
	<i>For Class 1 Mill Galvanized, Add</i>	8.43
	<i>For Class 2 Mill Galvanized, Add</i>	12.64
	<i>For Hot-Dipped Galvanized, Add</i>	21.07
	<i>For Stainless Steel, Add</i>	84.26
04 05 19 13-0217	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	68.18
	<i>For Class 1 Mill Galvanized, Add</i>	8.65
	<i>For Class 2 Mill Galvanized, Add</i>	12.98
	<i>For Hot-Dipped Galvanized, Add</i>	21.64
	<i>For Stainless Steel, Add</i>	86.54
04 05 19 13-0218	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	70.81
	<i>For Class 1 Mill Galvanized, Add</i>	8.88
	<i>For Class 2 Mill Galvanized, Add</i>	13.32
	<i>For Hot-Dipped Galvanized, Add</i>	22.21
	<i>For Stainless Steel, Add</i>	88.82
04 05 19 13-0219	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0204)	
04 05 19 13-0220	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	61.02
	<i>For Class 1 Mill Galvanized, Add</i>	8.86
	<i>For Class 2 Mill Galvanized, Add</i>	13.29
	<i>For Hot-Dipped Galvanized, Add</i>	22.15
	<i>For Stainless Steel, Add</i>	88.58
04 05 19 13-0221	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	63.22
	<i>For Class 1 Mill Galvanized, Add</i>	8.93
	<i>For Class 2 Mill Galvanized, Add</i>	13.39
	<i>For Hot-Dipped Galvanized, Add</i>	22.32
	<i>For Stainless Steel, Add</i>	89.26
04 05 19 13-0222	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	66.31
	<i>For Class 1 Mill Galvanized, Add</i>	9.17
	<i>For Class 2 Mill Galvanized, Add</i>	13.76
	<i>For Hot-Dipped Galvanized, Add</i>	22.93
	<i>For Stainless Steel, Add</i>	91.72
04 05 19 13-0223	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	70.72
	<i>For Class 1 Mill Galvanized, Add</i>	9.50
	<i>For Class 2 Mill Galvanized, Add</i>	14.24
	<i>For Hot-Dipped Galvanized, Add</i>	23.74
	<i>For Stainless Steel, Add</i>	94.96
04 05 19 13-0224	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	74.43
	<i>For Class 1 Mill Galvanized, Add</i>	9.90
	<i>For Class 2 Mill Galvanized, Add</i>	14.86
	<i>For Hot-Dipped Galvanized, Add</i>	24.76
	<i>For Stainless Steel, Add</i>	99.04
04 05 19 13-0225	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	78.19
	<i>For Class 1 Mill Galvanized, Add</i>	10.36
	<i>For Class 2 Mill Galvanized, Add</i>	15.54
	<i>For Hot-Dipped Galvanized, Add</i>	25.90
	<i>For Stainless Steel, Add</i>	103.58



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0226			Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>		
04 05 19 13-0227			9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0226)</small>		
04 05 19 13-0228	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	52.22	
			For Class 1 Mill Galvanized, Add	6.73	
			For Class 2 Mill Galvanized, Add	10.09	
			For Hot-Dipped Galvanized, Add	16.82	
			For Stainless Steel, Add	67.26	
04 05 19 13-0229	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	54.31	
			For Class 1 Mill Galvanized, Add	6.77	
			For Class 2 Mill Galvanized, Add	10.16	
			For Hot-Dipped Galvanized, Add	16.93	
			For Stainless Steel, Add	67.72	
04 05 19 13-0230	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	57.87	
			For Class 1 Mill Galvanized, Add	6.93	
			For Class 2 Mill Galvanized, Add	10.39	
			For Hot-Dipped Galvanized, Add	17.32	
			For Stainless Steel, Add	69.26	
04 05 19 13-0231	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	60.57	
			For Class 1 Mill Galvanized, Add	7.13	
			For Class 2 Mill Galvanized, Add	10.70	
			For Hot-Dipped Galvanized, Add	17.83	
			For Stainless Steel, Add	71.32	
04 05 19 13-0232	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	63.32	
			For Class 1 Mill Galvanized, Add	7.38	
			For Class 2 Mill Galvanized, Add	11.08	
			For Hot-Dipped Galvanized, Add	18.46	
			For Stainless Steel, Add	73.84	
04 05 19 13-0233	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	65.64	
			For Class 1 Mill Galvanized, Add	7.64	
			For Class 2 Mill Galvanized, Add	11.46	
			For Hot-Dipped Galvanized, Add	19.10	
			For Stainless Steel, Add	76.40	
04 05 19 13-0234			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0226)</small>		
04 05 19 13-0235	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	60.05	
			For Class 1 Mill Galvanized, Add	8.29	
			For Class 2 Mill Galvanized, Add	12.44	
			For Hot-Dipped Galvanized, Add	20.73	
			For Stainless Steel, Add	82.92	
04 05 19 13-0236	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	62.24	
			For Class 1 Mill Galvanized, Add	8.36	
			For Class 2 Mill Galvanized, Add	12.54	
			For Hot-Dipped Galvanized, Add	20.90	
			For Stainless Steel, Add	83.58	
04 05 19 13-0237	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	65.82	
			For Class 1 Mill Galvanized, Add	8.52	
			For Class 2 Mill Galvanized, Add	12.77	
			For Hot-Dipped Galvanized, Add	21.29	
			For Stainless Steel, Add	85.16	
04 05 19 13-0238	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	68.52	
			For Class 1 Mill Galvanized, Add	8.72	
			For Class 2 Mill Galvanized, Add	13.08	
			For Hot-Dipped Galvanized, Add	21.81	
			For Stainless Steel, Add	87.22	
04 05 19 13-0239	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	71.15	
			For Class 1 Mill Galvanized, Add	8.95	
			For Class 2 Mill Galvanized, Add	13.43	
			For Hot-Dipped Galvanized, Add	22.38	
			For Stainless Steel, Add	89.50	
04 05 19 13-0240	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	73.54	
			For Class 1 Mill Galvanized, Add	9.22	
			For Class 2 Mill Galvanized, Add	13.83	
			For Hot-Dipped Galvanized, Add	23.05	
			For Stainless Steel, Add	92.20	
04 05 19 13-0241			3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0226)</small>		

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**
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04 05 19 13-0242	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	64.36
	For Class 1 Mill Galvanized, Add	9.15
	For Class 2 Mill Galvanized, Add	13.73
	For Hot-Dipped Galvanized, Add	22.89
	For Stainless Steel, Add	91.54
04 05 19 13-0243	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	66.55
	For Class 1 Mill Galvanized, Add	9.22
	For Class 2 Mill Galvanized, Add	13.83
	For Hot-Dipped Galvanized, Add	23.05
	For Stainless Steel, Add	92.20
04 05 19 13-0244	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	70.60
	For Class 1 Mill Galvanized, Add	9.47
	For Class 2 Mill Galvanized, Add	14.21
	For Hot-Dipped Galvanized, Add	23.68
	For Stainless Steel, Add	94.72
04 05 19 13-0245	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	73.87
	For Class 1 Mill Galvanized, Add	9.79
	For Class 2 Mill Galvanized, Add	14.69
	For Hot-Dipped Galvanized, Add	24.48
	For Stainless Steel, Add	97.92
04 05 19 13-0246	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	77.40
	For Class 1 Mill Galvanized, Add	10.20
	For Class 2 Mill Galvanized, Add	15.30
	For Hot-Dipped Galvanized, Add	25.50
	For Stainless Steel, Add	102.00
04 05 19 13-0247	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	79.99
	For Class 1 Mill Galvanized, Add	10.51
	For Class 2 Mill Galvanized, Add	15.77
	For Hot-Dipped Galvanized, Add	26.28
	For Stainless Steel, Add	105.10
04 05 19 13-0248	Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0144)	
04 05 19 13-0249	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0248)	
04 05 19 13-0250	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	49.19
	For Class 1 Mill Galvanized, Add	6.12
	For Class 2 Mill Galvanized, Add	9.18
	For Hot-Dipped Galvanized, Add	15.30
	For Stainless Steel, Add	61.20
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0251	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	51.27
	For Class 1 Mill Galvanized, Add	6.16
	For Class 2 Mill Galvanized, Add	9.25
	For Hot-Dipped Galvanized, Add	15.41
	For Stainless Steel, Add	61.64
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0252	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	54.72
	For Class 1 Mill Galvanized, Add	6.30
	For Class 2 Mill Galvanized, Add	9.44
	For Hot-Dipped Galvanized, Add	15.74
	For Stainless Steel, Add	62.96
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0253	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	57.35
	For Class 1 Mill Galvanized, Add	6.49
	For Class 2 Mill Galvanized, Add	9.73
	For Hot-Dipped Galvanized, Add	16.22
	For Stainless Steel, Add	64.88
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0254	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	59.82
	For Class 1 Mill Galvanized, Add	6.68
	For Class 2 Mill Galvanized, Add	10.03
	For Hot-Dipped Galvanized, Add	16.71
	For Stainless Steel, Add	66.84
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0255	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	62.08
	For Class 1 Mill Galvanized, Add	6.93
	For Class 2 Mill Galvanized, Add	10.39
	For Hot-Dipped Galvanized, Add	17.32
	For Stainless Steel, Add	69.28
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0256	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0248)	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0257	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	56.41	
			<i>For Class 1 Mill Galvanized, Add</i>	7.56	
			<i>For Class 2 Mill Galvanized, Add</i>	11.35	
			<i>For Hot-Dipped Galvanized, Add</i>	18.91	
			<i>For Stainless Steel, Add</i>	75.64	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0258	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	58.56	
			<i>For Class 1 Mill Galvanized, Add</i>	7.62	
			<i>For Class 2 Mill Galvanized, Add</i>	11.43	
			<i>For Hot-Dipped Galvanized, Add</i>	19.06	
			<i>For Stainless Steel, Add</i>	76.22	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0259	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	61.96	
			<i>For Class 1 Mill Galvanized, Add</i>	7.74	
			<i>For Class 2 Mill Galvanized, Add</i>	11.62	
			<i>For Hot-Dipped Galvanized, Add</i>	19.36	
			<i>For Stainless Steel, Add</i>	77.44	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0260	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	64.54	
			<i>For Class 1 Mill Galvanized, Add</i>	7.93	
			<i>For Class 2 Mill Galvanized, Add</i>	11.89	
			<i>For Hot-Dipped Galvanized, Add</i>	19.82	
			<i>For Stainless Steel, Add</i>	79.26	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0261	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	67.00	
			<i>For Class 1 Mill Galvanized, Add</i>	8.12	
			<i>For Class 2 Mill Galvanized, Add</i>	12.18	
			<i>For Hot-Dipped Galvanized, Add</i>	20.30	
			<i>For Stainless Steel, Add</i>	81.20	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0262	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	69.12	
			<i>For Class 1 Mill Galvanized, Add</i>	8.34	
			<i>For Class 2 Mill Galvanized, Add</i>	12.50	
			<i>For Hot-Dipped Galvanized, Add</i>	20.84	
			<i>For Stainless Steel, Add</i>	83.36	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0263			3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0248)		
04 05 19 13-0264	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	60.77	
			<i>For Class 1 Mill Galvanized, Add</i>	8.44	
			<i>For Class 2 Mill Galvanized, Add</i>	12.65	
			<i>For Hot-Dipped Galvanized, Add</i>	21.09	
			<i>For Stainless Steel, Add</i>	84.36	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0265	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	62.95	
			<i>For Class 1 Mill Galvanized, Add</i>	8.50	
			<i>For Class 2 Mill Galvanized, Add</i>	12.75	
			<i>For Hot-Dipped Galvanized, Add</i>	21.25	
			<i>For Stainless Steel, Add</i>	85.00	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0266	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	66.92	
			<i>For Class 1 Mill Galvanized, Add</i>	8.74	
			<i>For Class 2 Mill Galvanized, Add</i>	13.10	
			<i>For Hot-Dipped Galvanized, Add</i>	21.84	
			<i>For Stainless Steel, Add</i>	87.36	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0267	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	70.13	
			<i>For Class 1 Mill Galvanized, Add</i>	9.04	
			<i>For Class 2 Mill Galvanized, Add</i>	13.57	
			<i>For Hot-Dipped Galvanized, Add</i>	22.61	
			<i>For Stainless Steel, Add</i>	90.44	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0268	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	73.56	
			<i>For Class 1 Mill Galvanized, Add</i>	9.43	
			<i>For Class 2 Mill Galvanized, Add</i>	14.15	
			<i>For Hot-Dipped Galvanized, Add</i>	23.58	
			<i>For Stainless Steel, Add</i>	94.32	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0269	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	76.76	
			<i>For Class 1 Mill Galvanized, Add</i>	9.86	
			<i>For Class 2 Mill Galvanized, Add</i>	14.80	
			<i>For Hot-Dipped Galvanized, Add</i>	24.66	
			<i>For Stainless Steel, Add</i>	98.64	
			<i>For Seismic Hook And Eye, Add</i>	27.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0270	Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0144)	
04 05 19 13-0271	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall (04 05 19 13-0270)	
04 05 19 13-0272	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	52.49
	For Class 1 Mill Galvanized, Add	6.41
	For Class 2 Mill Galvanized, Add	9.61
	For Hot-Dipped Galvanized, Add	16.02
	For Stainless Steel, Add	64.08
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0273	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	55.51
	For Class 1 Mill Galvanized, Add	6.45
	For Class 2 Mill Galvanized, Add	9.68
	For Hot-Dipped Galvanized, Add	16.14
	For Stainless Steel, Add	64.54
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0274	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	57.88
	For Class 1 Mill Galvanized, Add	6.59
	For Class 2 Mill Galvanized, Add	9.89
	For Hot-Dipped Galvanized, Add	16.49
	For Stainless Steel, Add	65.94
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0275	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	60.39
	For Class 1 Mill Galvanized, Add	6.80
	For Class 2 Mill Galvanized, Add	10.20
	For Hot-Dipped Galvanized, Add	17.00
	For Stainless Steel, Add	67.98
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0276	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	62.59
	For Class 1 Mill Galvanized, Add	7.03
	For Class 2 Mill Galvanized, Add	10.55
	For Hot-Dipped Galvanized, Add	17.58
	For Stainless Steel, Add	70.30
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0277	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0270)	
04 05 19 13-0278	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	60.27
	For Class 1 Mill Galvanized, Add	7.96
	For Class 2 Mill Galvanized, Add	11.95
	For Hot-Dipped Galvanized, Add	19.91
	For Stainless Steel, Add	79.64
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0279	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	63.30
	For Class 1 Mill Galvanized, Add	8.01
	For Class 2 Mill Galvanized, Add	12.02
	For Hot-Dipped Galvanized, Add	20.03
	For Stainless Steel, Add	80.12
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0280	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	65.66
	For Class 1 Mill Galvanized, Add	8.15
	For Class 2 Mill Galvanized, Add	12.23
	For Hot-Dipped Galvanized, Add	20.38
	For Stainless Steel, Add	81.50
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0281	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	68.07
	For Class 1 Mill Galvanized, Add	8.33
	For Class 2 Mill Galvanized, Add	12.50
	For Hot-Dipped Galvanized, Add	20.84
	For Stainless Steel, Add	83.34
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0282	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	70.05
	For Class 1 Mill Galvanized, Add	8.52
	For Class 2 Mill Galvanized, Add	12.78
	For Hot-Dipped Galvanized, Add	21.31
	For Stainless Steel, Add	85.22
	For Seismic Hook And Eye, Add	27.50
04 05 19 13-0283	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0270)	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like CLF #10, #12, #14, #16, #18 with descriptions of wall reinforcement and associated costs.

04 05 19 16 Masonry Anchors (04 05 19)

Table listing various Masonry Anchors and Wall Ties. Includes sub-sections for Rectangular, Hot-Dipped Galvanized, Mill Galvanized, Z-Type, and Wire Masonry Wall Ties with detailed descriptions and costs.


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 16-0041		Wire Beam Ties (04 05 19 16)		
04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)		
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	0.65	
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	0.67	
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	0.69	
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	0.71	
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	0.74	
04 05 19 16-0048		Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)		
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	0.81	
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	0.85	
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	0.90	
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	0.93	
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	0.96	
04 05 19 16-0054		Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)		
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)		
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.74	
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.78	
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.80	
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.83	
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.85	
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)		
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.60	
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.63	
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.64	
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.66	
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	0.67	
04 05 19 16-0067		Corrugated Buck (Brick) Anchors (04 05 19 16)		
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	0.94	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	0.99	
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.03	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.08	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.12	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	0.98	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.03	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.08	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.12	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.17	
04 05 19 16-0079		Mill Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	0.79	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	0.82	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	0.85	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	0.88	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	0.92	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	0.82	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	0.85	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	0.89	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	0.92	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	0.96	
04 05 19 16-0090		Corrugated Wall Ties (04 05 19 16)		
04 05 19 16-0091		Hot-Dipped Galvanized, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.37	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.41	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.42	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.44	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.56	
04 05 19 16-0097		Mill Galvanized, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	0.39	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	0.40	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	0.41	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	0.50	
04 05 19 16-0102		Stainless Steel, Corrugated Wall Ties (04 05 19 16-0090)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0103 EA 7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	0.73	
04 05 19 16-0104 EA 7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	0.79	
04 05 19 16-0105 EA 7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	0.85	
04 05 19 16-0106 EA 7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	0.91	
04 05 19 16-0107 EA 7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.22	
04 05 19 16-0108 Wire Mesh Wall Ties (04 05 19 16)		
Note: 1/2" square mesh.		
04 05 19 16-0109 EA 3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	0.86	
04 05 19 16-0110 EA 3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.08	
04 05 19 16-0111 EA 6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.34	
04 05 19 16-0112 EA 6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.77	
04 05 19 16-0113 EA 10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.59	
04 05 19 16-0114 EA 10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.06	
04 05 19 16-0115 Triangle Brick Ties (04 05 19 16)		
04 05 19 16-0116 Hot-Dipped Galvanized, Triangle Brick Ties (04 05 19 16-0115)		
04 05 19 16-0117 EA 3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	0.75	
04 05 19 16-0118 EA 3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	0.77	
04 05 19 16-0119 EA 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	0.79	
04 05 19 16-0120 EA 4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	0.82	
04 05 19 16-0121 EA 5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	0.83	
04 05 19 16-0122 EA 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	0.89	
04 05 19 16-0123 EA 7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	0.93	
04 05 19 16-0124 EA 9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.03	
04 05 19 16-0125 EA 3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	0.95	
04 05 19 16-0126 EA 3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	0.96	
04 05 19 16-0127 EA 4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	0.98	
04 05 19 16-0128 EA 4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.00	
04 05 19 16-0129 EA 5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.01	
04 05 19 16-0130 EA 6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.07	
04 05 19 16-0131 EA 7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.10	
04 05 19 16-0132 EA 9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.20	
04 05 19 16-0133 Mill Galvanized, Triangle Brick Ties (04 05 19 16-0115)		
04 05 19 16-0134 EA 3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	0.65	
04 05 19 16-0135 EA 3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	0.66	
04 05 19 16-0136 EA 4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	0.67	
04 05 19 16-0137 EA 4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	0.68	
04 05 19 16-0138 EA 5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	0.69	
04 05 19 16-0139 EA 6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	0.72	
04 05 19 16-0140 EA 7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	0.74	
04 05 19 16-0141 EA 9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	0.77	
04 05 19 16-0142 EA 3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	0.77	
04 05 19 16-0143 EA 3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	0.78	
04 05 19 16-0144 EA 4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	0.79	
04 05 19 16-0145 EA 4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	0.81	
04 05 19 16-0146 EA 5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	0.82	
04 05 19 16-0147 EA 6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	0.86	
04 05 19 16-0148 EA 7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	0.89	
04 05 19 16-0149 EA 9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	0.94	
04 05 19 16-0150 Seismic Veneer Anchors (04 05 19 16)		
04 05 19 16-0151 EA 3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor	5.14	
Note: For horizontal wire attachment. Excludes wire.		
04 05 19 16-0152 Slip-Set, Joint Stabilization Anchors (04 05 19 16)		
Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153 EA 9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	3.20	
04 05 19 16-0154 EA 9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	3.49	
04 05 19 16-0155 EA 9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	5.14	
04 05 19 16-0156 Strap Partition Top Anchors (04 05 19 16)		
04 05 19 16-0157 EA 12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	1.76	
04 05 19 16-0158 EA 12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	5.44	
04 05 19 16-0159 Rigid Partition Anchors (04 05 19 16)		
04 05 19 16-0160 Hot-Dipped Galvanized, Rigid Partition Anchors (04 05 19 16-0159)		
04 05 19 16-0161 EA 1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.17	
04 05 19 16-0162 EA 1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.29	
04 05 19 16-0163 EA 1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.45	
04 05 19 16-0164 EA 1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.58	
04 05 19 16-0165 EA 2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.72	
04 05 19 16-0166 EA 2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.86	
04 05 19 16-0167 EA 1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.72	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.16
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.60
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.04
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.49
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.93
04 05 19 16-0173		Mill Galvanized, Rigid Partition Anchors (04 05 19 16-0159)	
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.05
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.16
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.26
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.37
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.48
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.59
04 05 19 16-0180		Screw-On Masonry Veneer Anchor Plates (04 05 19 16)	
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	0.74
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	0.79
04 05 19 16-0183		Wire Column Ties (04 05 19 16)	
04 05 19 16-0184		Hot-Dipped Galvanized, Wire Column Ties (04 05 19 16-0183)	
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	0.94
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.01
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.06
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.14
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.00
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.06
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.11
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.16
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.32
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.45
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.53
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.65
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.45
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.53
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.61
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	1.69
04 05 19 16-0201		Mill Galvanized, Wire Column Ties (04 05 19 16-0183)	
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	0.81
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	0.85
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	0.88
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	0.93
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	0.83
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	0.87
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	0.90
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	0.94
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.09
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.17
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.21
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.29
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.05
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.19
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.25
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.29
04 05 19 16-0218		Dovetail Anchors, Slots And Ties (04 05 19 16)	
04 05 19 16-0219		Dovetail Anchor Slots (04 05 19 16-0218)	
04 05 19 16-0220		Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)	
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	1.69
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	1.91
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.03
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.10
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.24
04 05 19 16-0226		Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)	
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	1.26
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	1.53
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	1.60
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	1.69
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	1.75
04 05 19 16-0232		304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)	
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	2.15
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	2.55



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot and 316 Stainless Steel, Dovetail Anchor Slot.

04 Masonry
04 05 Common Work Results For Masonry
04 05 19 Masonry Anchorage And Reinforcing



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 26-0015	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	0.95	
04 05 19 26-0016	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.37	
04 05 19 26-0017	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.81	
04 05 19 26-0018		Galvanized Steel Masonry Reinforcement Bar (04 05 19 26)		
04 05 19 26-0019	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.59	
04 05 19 26-0020	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.00	
04 05 19 26-0021	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.45	
04 05 19 26-0022	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.97	
04 05 19 26-0023	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.60	
04 05 19 26-0024	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.02	
04 05 19 26-0025	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.48	
04 05 19 26-0026	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.01	
04 05 19 26-0027	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.67	
04 05 19 26-0028	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.11	
04 05 19 26-0029	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.62	
04 05 19 26-0030	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.17	
04 05 19 26-0031	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.68	
04 05 19 26-0032	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.13	
04 05 19 26-0033	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.65	
04 05 19 26-0034	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.21	
04 05 19 26-0035		Epoxy-Coated Masonry Reinforcement Bar (04 05 19 26)		
04 05 19 26-0036	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.58	
04 05 19 26-0037	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.98	
04 05 19 26-0038	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.42	
04 05 19 26-0039	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.93	
04 05 19 26-0040	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.59	
04 05 19 26-0041	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.00	
04 05 19 26-0042	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.45	
04 05 19 26-0043	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.97	
04 05 19 26-0044	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.66	
04 05 19 26-0045	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.09	
04 05 19 26-0046	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.59	
04 05 19 26-0047	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.13	
04 05 19 26-0048	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.67	
04 05 19 26-0049	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.11	
04 05 19 26-0050	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.62	
04 05 19 26-0051	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.17	
04 05 23 Masonry Accessories (04 05)				
04 05 23 13 Masonry Control And Expansion Joints (04 05 23)				
04 05 23 13-0001 Masonry Control Joints (04 05 23 13)				
04 05 23 13-0002 Rubber, Masonry Control Joints (04 05 23 13-0001)				
04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint.....	2.76	0.33
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint.....	2.67	0.33
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint.....	5.95	0.33
04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints (04 05 23 13-0001)				
04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint.....	1.51	0.33
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	1.58	0.33
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.00	0.33
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.19	0.33
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.03	0.33
04 05 23 16 Masonry Embedded Flashing (04 05 23)				
04 05 23 16-0001 Lead Coated Copper Through Wall Flashing (04 05 23 16)				
04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)				
04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	3.94	0.66
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	4.41	0.66
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	5.69	0.66
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.83	0.66
04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)				
04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	4.39	0.66
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	4.81	0.66
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.30	0.66
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.67	0.66
04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)				
04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	4.05	0.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0014 SF 3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	4.63	0.66
04 05 23 16-0015 SF 5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	5.46	0.66
04 05 23 16-0016 SF 7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.20	0.66
04 05 23 16-0017 Copper Through Wall Flashing (04 05 23 16)		
04 05 23 16-0018 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0019 SF 2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	3.24	0.62
04 05 23 16-0020 SF 3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	3.58	0.62
04 05 23 16-0021 SF 5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	4.53	0.62
04 05 23 16-0022 SF 7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	5.36	0.62
04 05 23 16-0023 SF 10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	5.72	0.62
04 05 23 16-0024 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0025 SF 2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	3.58	0.62
04 05 23 16-0026 SF 3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	3.88	0.62
04 05 23 16-0027 SF 5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	4.97	0.62
04 05 23 16-0028 SF 7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	5.97	0.62
04 05 23 16-0029 SF 10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	6.57	0.62
04 05 23 16-0030 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0031 SF 2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	3.28	0.62
04 05 23 16-0032 SF 3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	3.63	0.62
04 05 23 16-0033 SF 5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	4.57	0.62
04 05 23 16-0034 SF 7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	5.40	0.62
04 05 23 16-0035 SF 10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	5.75	0.62
04 05 23 16-0036 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0037 SF 2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	3.33	0.62
04 05 23 16-0038 SF 3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	3.74	0.62
04 05 23 16-0039 SF 5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	4.36	0.62
04 05 23 16-0040 SF 7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	5.64	0.62
04 05 23 16-0041 SF 10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	4.16	0.62
04 05 23 16-0042 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0043 SF 3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	4.72	0.62
04 05 23 16-0044 SF 5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	5.99	0.62
04 05 23 16-0045 2 Sides Glass Fabric, Thru-Wall Copper Flashing (04 05 23 16-0017)		
Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046 SF 3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	3.99	0.62
04 05 23 16-0047 SF 5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	5.12	0.62
04 05 23 16-0048 Stainless Steel Through Wall Flashing (04 05 23 16)		
04 05 23 16-0049 Paper Backed 2 Sides, Stainless Steel Through Wall Flashing (04 05 23 16-0048)		
04 05 23 16-0050 SF 0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing.....	4.39	0.62
04 05 23 16-0051 Polyvinyl Chloride (PVC) Through Wall Flashing (04 05 23 16)		
04 05 23 16-0052 SF 0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing.....	1.53	0.63
04 05 23 16-0053 SF 0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing.....	1.63	0.63
04 05 23 16-0054 SF 0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing.....	1.75	0.63
04 05 23 16-0055 SF 0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing.....	2.15	0.63
04 05 23 19 Masonry Cavity Drainage, Weepholes, And Vents (04 05 23)		
04 05 23 19-0001 Brick Vents, 4" Deep, With Insect Screen (04 05 23 19)		
Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002 EA 8-1/8" x 2-3/8" Aluminum Brick Vent.....	37.77	
04 05 23 19-0003 EA 8-1/8" x 4-3/4" Aluminum Brick Vent.....	47.22	
04 05 23 19-0004 EA 8-1/8" x 7-3/4" Aluminum Brick Vent.....	60.40	
04 05 23 19-0005 EA 12" x 2-3/8" Aluminum Brick Vent.....	47.83	
04 05 23 19-0006 EA 12" x 4-3/4" Aluminum Brick Vent.....	59.65	
04 05 23 19-0007 EA 12" x 7-3/4" Aluminum Brick Vent.....	76.42	
04 05 23 19-0008 EA 16-1/2" x 2-3/8" Aluminum Brick Vent.....	57.63	
04 05 23 19-0009 EA 16-1/2" x 4-3/4" Aluminum Brick Vent.....	79.55	
04 05 23 19-0010 EA 16-1/2" x 7-3/4" Aluminum Brick Vent.....	98.75	
04 05 23 19-0011 EA 24" x 2-3/8" Aluminum Brick Vent.....	81.31	
04 05 23 19-0012 EA 24" x 4-3/4" Aluminum Brick Vent.....	106.46	
04 05 23 19-0013 EA 24" x 7-3/4" Aluminum Brick Vent.....	132.73	

04 05 26 Masonry Scaffolding (04 05)

Note: Costs based on one use per month. For use with unit masonry construction only. Height shown in tasks is for height of

04 Masonry**04 05 Common Work Results For Masonry****04 05 26 Masonry Scaffolding**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

work. Includes assembly and disassembly of scaffolding.

04 05 26 00-0001	Masonry Scaffolding Usage <small>(04 05 26)</small>	
	Note: Total square foot of area is determined by the square foot of wall area at which scaffolding is required, above the established 4' working height limit. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc.	
04 05 26 00-0002	CSF Exterior Building Scaffolding, 1 To 5 Story, Tubular Steel, Based On 1 Use/Month	215.89
	For Each Additional Month Of Usage, Add	103.59
	For Additional Erection And Dismantling Of Scaffolding, Add	112.30
04 05 26 00-0003	CSF Exterior Building Scaffolding, 6 To 12 Story, Tubular Steel, Based On 1 Use/Month	258.18
	For Each Additional Month Of Usage, Add	94.64
	For Additional Erection And Dismantling Of Scaffolding, Add	163.54
04 05 26 00-0004	CSF Interior Scaffolding Wall, Up To 16' Tubular Steel, Based On 1 Use/Month	182.83
	For Each Additional Month Of Usage, Add	99.65
	For Additional Erection And Dismantling Of Scaffolding, Add	83.18
04 05 26 00-0005	CSF Interior Scaffolding Wall, 16' - 30' Tubular Steel, Based On 1 Use/Month	202.13
	For Each Additional Month Of Usage, Add	101.62
	For Additional Erection And Dismantling Of Scaffolding, Add	100.51

04 20 Unit Masonry (04)

Note: Including hurricane tie-down anchors, pointing and cleaning of new brick and mortar with muriatic acid and brush or wash. Includes cutting of new bricks/blocks to size.

04 21 Clay Unit Masonry (04 20)**04 21 13 Brick Masonry** (04 21)

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors, 04 05 26 00-0000 for scaffolding.

04 21 13 00-0001	Standard Size Brick With Running Bond <small>(04 21 13)</small>	
	Note: Standard size brick, 2-2/3" x 4" x 8".	
04 21 13 00-0002	Red Face Brick <small>(04 21 13 00-0001)</small>	
04 21 13 00-0003	SF Standard Size Red Face Brick - Veneer (6.4/SF With Running Bond)	11.03
	For Full Header Every 6th Course, Add	0.26
	For English, Full Header Every Second Course, Add	0.53
	For Flemish, Alternate Header Every Course, Add	1.21
	For Curved Wall Application, Add	1.31
	For Interior Veneer Construction, Add	0.99
	For Stacked Bond, Add	0.88
	For Battered Walls (Variable Depth Surface Placement), Add	1.64
	For Corbels, Add	4.93
	For Colored Mortar, Add	0.45
	For Basket Weave Or Soldier Bond Pattern, Add	0.88
	For Herringbone Pattern, Add	1.43
	For Severe Weather (SW) Brick, Add	0.67
	For Close Tolerance (FBX), Add	0.99
	For <10, Small Area Replacements (Individual Areas), Add	10.08
	For >300 To 1,200, Deduct	-0.45
	For >1,200, Deduct	-0.77
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	6.79
04 21 13 00-0004	SF Standard Size Red Face Brick - Cavity Wall (6.4/SF With Running Bond)	12.30
	For Full Header Every 6th Course, Add	0.31
	For English, Full Header Every Second Course, Add	0.63
	For Flemish, Alternate Header Every Course, Add	1.40
	For Curved Wall Application, Add	1.57
	For Interior Veneer Construction, Add	1.18
	For Stacked Bond, Add	1.01
	For Battered Walls (Variable Depth Surface Placement), Add	1.96
	For Corbels, Add	5.88
	For Colored Mortar, Add	0.45
	For Basket Weave Or Soldier Bond Pattern, Add	1.01
	For Herringbone Pattern, Add	1.62
	For Severe Weather (SW) Brick, Add	0.67
	For Close Tolerance (FBX), Add	1.12
	For <10, Small Area Replacements (Individual Areas), Add	11.98
	For >300 To 1,200, Deduct	-0.45
	For >1,200, Deduct	-0.84
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	8.06
04 21 13 00-0005	SF Standard Size Red Face Brick - 9" Solid Wall (12.7/SF With Running Bond)	19.26
	For Full Header Every 6th Course, Add	0.42
	For English, Full Header Every Second Course, Add	0.84
	For Flemish, Alternate Header Every Course, Add	2.01
	For Curved Wall Application, Add	2.09
	For Interior Veneer Construction, Add	1.57
	For Stacked Bond, Add	1.49
	For Battered Walls (Variable Depth Surface Placement), Add	2.61
	For Corbels, Add	7.84
	For Colored Mortar, Add	0.88
	For Basket Weave Or Soldier Bond Pattern, Add	1.49
	For Herringbone Pattern, Add	2.45
	For Severe Weather (SW) Brick, Add	1.32
	For Close Tolerance (FBX), Add	1.71
	For <10, Small Area Replacements (Individual Areas), Add	16.12
	For >300 To 1,200, Deduct	-0.88
	For >1,200, Deduct	-1.40
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	10.89



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 'Common Brick - 4" Back-up', 'Common Brick - 8" Back-up', 'Common Brick - 12" Solid', and 'Common Brick - 16" Solid' with associated costs.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 21 13 00-0012	SF		Common Brick As 4" Wall Face Brick (6.4/SF)	10.68	
			<i>For Full Header Every 6th Course, Add</i>	0.25	
			<i>For English, Full Header Every Second Course, Add</i>	0.50	
			<i>For Flemish, Alternate Header Every Course, Add</i>	1.16	
			<i>For Curved Wall Application, Add</i>	1.24	
			<i>For Interior Veneer Construction, Add</i>	0.93	
			<i>For Stacked Bond, Add</i>	0.85	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	1.56	
			<i>For Corbels, Add</i>	4.67	
			<i>For Colored Mortar, Add</i>	0.45	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	0.85	
			<i>For Herringbone Pattern, Add</i>	1.38	
			<i>For Severe Weather (SW) Brick, Add</i>	0.67	
			<i>For Close Tolerance (FBX), Add</i>	0.96	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	9.55	
			<i>For >300 To 1,200, Deduct</i>	-0.45	
			<i>For >1,200, Deduct</i>	-0.76	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	6.44	
04 21 13 00-0013			Glazed Brick <small>(04 21 13 00-0001)</small>		
04 21 13 00-0014	SF		Glazed Brick Veneer (7.4/SF)	26.60	
			<i>For Full Header Every 6th Course, Add</i>	0.30	
			<i>For English, Full Header Every Second Course, Add</i>	0.59	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.07	
			<i>For Curved Wall Application, Add</i>	1.48	
			<i>For Interior Veneer Construction, Add</i>	1.11	
			<i>For Stacked Bond, Add</i>	1.70	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	1.86	
			<i>For Corbels, Add</i>	5.57	
			<i>For Colored Mortar, Add</i>	1.92	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.70	
			<i>For Herringbone Pattern, Add</i>	3.03	
			<i>For Severe Weather (SW) Brick, Add</i>	2.88	
			<i>For Close Tolerance (FBX), Add</i>	2.18	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	12.09	
			<i>For >300 To 1,200, Deduct</i>	-1.92	
			<i>For >1,200, Deduct</i>	-2.29	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	8.38	
04 21 13 00-0015			Buff Or Gray Face Brick <small>(04 21 13 00-0001)</small>		
04 21 13 00-0016	SF		Buff (Gray) Face Brick - Veneer (6.4/SF)	11.94	
			<i>For Full Header Every 6th Course, Add</i>	0.26	
			<i>For English, Full Header Every Second Course, Add</i>	0.53	
			<i>For Flemish, Alternate Header Every Course, Add</i>	1.25	
			<i>For Curved Wall Application, Add</i>	1.31	
			<i>For Interior Veneer Construction, Add</i>	0.99	
			<i>For Stacked Bond, Add</i>	0.93	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	1.64	
			<i>For Corbels, Add</i>	4.93	
			<i>For Colored Mortar, Add</i>	0.54	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	0.93	
			<i>For Herringbone Pattern, Add</i>	1.52	
			<i>For Severe Weather (SW) Brick, Add</i>	0.81	
			<i>For Close Tolerance (FBX), Add</i>	1.06	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	10.12	
			<i>For >300 To 1,200, Deduct</i>	-0.54	
			<i>For >1,200, Deduct</i>	-0.87	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	6.84	
04 21 13 00-0017	SF		Buff (Gray) Face Brick - Cavity Wall (6.4/SF)	11.94	
			<i>For Full Header Every 6th Course, Add</i>	0.26	
			<i>For English, Full Header Every Second Course, Add</i>	0.53	
			<i>For Flemish, Alternate Header Every Course, Add</i>	1.25	
			<i>For Curved Wall Application, Add</i>	1.31	
			<i>For Interior Veneer Construction, Add</i>	0.99	
			<i>For Stacked Bond, Add</i>	0.93	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	1.64	
			<i>For Corbels, Add</i>	4.93	
			<i>For Colored Mortar, Add</i>	0.54	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	0.93	
			<i>For Herringbone Pattern, Add</i>	1.52	
			<i>For Severe Weather (SW) Brick, Add</i>	0.81	
			<i>For Close Tolerance (FBX), Add</i>	1.06	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	10.12	
			<i>For >300 To 1,200, Deduct</i>	-0.54	
			<i>For >1,200, Deduct</i>	-0.87	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	6.84	
04 21 13 00-0018			Jumbo Or Oversized Face Brick <small>(04 21 13)</small>		
			Note: Jumbo utility: 4" x 4" x 12", 6" jumbo: 6" x 4" x 12", 8" jumbo: 8" x 4" x 12".		
04 21 13 00-0019			Jumbo Or Oversize Brick Red Face Running Bond <small>(04 21 13 00-0018)</small>		



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like '04 21 13 00-0020 SF Jumbo Red Face Brick - 4" Veneer (3.0/SF With Running Bond)' and '04 21 13 00-0024 SF Jumbo Red Face Brick - 12" Solid (9.0/SF With Running Bond)'.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 21 13 00-0025	SF		Jumbo Red Face Brick - 16" Solid (12.0/SF With Running Bond).....	29.82	
			For Full Header Every 6th Course, Add	0.46	
			For English, Full Header Every Second Course, Add	0.91	
			For Flemish, Alternate Header Every Course, Add	2.63	
			For Curved Wall Application, Add	2.28	
			For Interior Veneer Construction, Add	1.71	
			For Stacked Bond, Add	2.06	
			For Battered Walls (Variable Depth Surface Placement), Add	2.85	
			For Corbels, Add	8.55	
			For Colored Mortar, Add	1.84	
			For Basket Weave Or Soldier Bond Pattern, Add	2.06	
			For Herringbone Pattern, Add	3.55	
			For Severe Weather (SW) Brick, Add	2.76	
			For Close Tolerance (FBX), Add	2.52	
			For <10, Small Area Replacements (Individual Areas), Add	18.02	
			For >300 To 1,200, Deduct	-1.84	
			For >1,200, Deduct	-2.41	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	12.32	

04 21 13 00-0026 Other Brick Shapes (04 21 13)

04 21 13 00-0027 Norman Face Brick (04 21 13 00-0026)
Note: 2-2/3" x 4" x 12".

04 21 13 00-0028 Norman Brick, Red Face Running Bond (04 21 13 00-0027)

04 21 13 00-0029	SF		Red Face Norman Brick - Veneer (4.5/SF With Running Bond)	12.21	
			For Buff Or Gray Face, Add	0.97	
			For Marble Chip, Add	1.27	
			For Full Header Every 6th Course, Add	0.26	
			For English, Full Header Every Second Course, Add	0.51	
			For Flemish, Alternate Header Every Course, Add	1.25	
			For Curved Wall Application, Add	1.28	
			For Interior Veneer Construction, Add	0.96	
			For Stacked Bond, Add	0.93	
			For Battered Walls (Variable Depth Surface Placement), Add	1.60	
			For Corbels, Add	4.81	
			For Colored Mortar, Add	0.58	
			For Basket Weave Or Soldier Bond Pattern, Add	0.93	
			For Herringbone Pattern, Add	1.54	
			For Severe Weather (SW) Brick, Add	0.87	
			For Close Tolerance (FBX), Add	1.08	
			For <10, Small Area Replacements (Individual Areas), Add	9.91	
			For >300 To 1,200, Deduct	-0.58	
			For >1,200, Deduct	-0.90	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	6.70	
04 21 13 00-0030	SF		Red Face Norman Brick - Cavity Wall (4.5/SF With Running Bond)	13.26	
			For Buff Or Gray Face, Add	0.97	
			For Marble Chip, Add	1.27	
			For Full Header Every 6th Course, Add	0.30	
			For English, Full Header Every Second Course, Add	0.60	
			For Flemish, Alternate Header Every Course, Add	1.41	
			For Curved Wall Application, Add	1.49	
			For Interior Veneer Construction, Add	1.12	
			For Stacked Bond, Add	1.04	
			For Battered Walls (Variable Depth Surface Placement), Add	1.87	
			For Corbels, Add	5.60	
			For Colored Mortar, Add	0.58	
			For Basket Weave Or Soldier Bond Pattern, Add	1.04	
			For Herringbone Pattern, Add	1.70	
			For Severe Weather (SW) Brick, Add	0.87	
			For Close Tolerance (FBX), Add	1.18	
			For <10, Small Area Replacements (Individual Areas), Add	11.48	
			For >300 To 1,200, Deduct	-0.58	
			For >1,200, Deduct	-0.95	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	7.75	

04 21 13 00-0031 Engineer Brick (04 21 13 00-0026)
Note: 3-1/5" x 4" x 8".

04 21 13 00-0032 Engineer Brick, Red Face Running Bond (04 21 13 00-0031)

04 21 13 00-0033	SF		Engineer Brick - Veneer (5.06/SF With Running Bond)	11.94	
			For Full Header Every 6th Course, Add	0.26	
			For English, Full Header Every Second Course, Add	0.51	
			For Flemish, Alternate Header Every Course, Add	1.24	
			For Curved Wall Application, Add	1.28	
			For Interior Veneer Construction, Add	0.96	
			For Stacked Bond, Add	0.92	
			For Battered Walls (Variable Depth Surface Placement), Add	1.60	
			For Corbels, Add	4.81	
			For Colored Mortar, Add	0.55	
			For Basket Weave Or Soldier Bond Pattern, Add	0.92	
			For Herringbone Pattern, Add	1.51	
			For Severe Weather (SW) Brick, Add	0.83	
			For Close Tolerance (FBX), Add	1.06	
			For <10, Small Area Replacements (Individual Areas), Add	9.89	
			For >300 To 1,200, Deduct	-0.55	
			For >1,200, Deduct	-0.87	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	6.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0034	SF		Engineer Brick - Cavity Wall (5.06/SF With Running Bond).....	12.99	
			For Full Header Every 6th Course, Add	0.30	
			For English, Full Header Every Second Course, Add	0.60	
			For Flemish, Alternate Header Every Course, Add	1.40	
			For Curved Wall Application, Add	1.49	
			For Interior Veneer Construction, Add	1.12	
			For Stacked Bond, Add	1.02	
			For Battered Walls (Variable Depth Surface Placement), Add	1.87	
			For Corbels, Add	5.60	
			For Colored Mortar, Add	0.55	
			For Basket Weave Or Soldier Bond Pattern, Add	1.02	
			For Herringbone Pattern, Add	1.67	
			For Severe Weather (SW) Brick, Add	0.83	
			For Close Tolerance (FBX), Add	1.16	
			For <10, Small Area Replacements (Individual Areas), Add	11.47	
			For >300 To 1,200, Deduct	-0.55	
			For >1,200, Deduct	-0.93	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	7.74	
04 21 13 00-0035			Roman Brick <small>(04 21 13 00-0026)</small>		
			Note: 2" x 4" x 12" or Baby Roman 2" x 4" x 8".		
04 21 13 00-0036			Roman Brick, Red Face Running Bond <small>(04 21 13 00-0035)</small>		
04 21 13 00-0037	SF		Roman Brick - Veneer (5.23/SF With Running Bond).....	13.43	
			For Full Header Every 6th Course, Add	0.26	
			For English, Full Header Every Second Course, Add	0.51	
			For Flemish, Alternate Header Every Course, Add	1.31	
			For Curved Wall Application, Add	1.28	
			For Interior Veneer Construction, Add	0.96	
			For Stacked Bond, Add	0.99	
			For Battered Walls (Variable Depth Surface Placement), Add	1.60	
			For Corbels, Add	4.81	
			For Colored Mortar, Add	0.70	
			For Basket Weave Or Soldier Bond Pattern, Add	0.99	
			For Herringbone Pattern, Add	1.66	
			For Severe Weather (SW) Brick, Add	1.05	
			For Close Tolerance (FBX), Add	1.17	
			For <10, Small Area Replacements (Individual Areas), Add	9.97	
			For >300 To 1,200, Deduct	-0.70	
			For >1,200, Deduct	-1.02	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	6.76	
04 21 13 00-0038	SF		Roman Brick - Cavity Wall (5.23/SF With Running Bond)	14.48	
			For Full Header Every 6th Course, Add	0.30	
			For English, Full Header Every Second Course, Add	0.60	
			For Flemish, Alternate Header Every Course, Add	1.47	
			For Curved Wall Application, Add	1.49	
			For Interior Veneer Construction, Add	1.12	
			For Stacked Bond, Add	1.10	
			For Battered Walls (Variable Depth Surface Placement), Add	1.87	
			For Corbels, Add	5.60	
			For Colored Mortar, Add	0.70	
			For Basket Weave Or Soldier Bond Pattern, Add	1.10	
			For Herringbone Pattern, Add	1.82	
			For Severe Weather (SW) Brick, Add	1.05	
			For Close Tolerance (FBX), Add	1.27	
			For <10, Small Area Replacements (Individual Areas), Add	11.54	
			For >300 To 1,200, Deduct	-0.70	
			For >1,200, Deduct	-1.08	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	7.81	
04 21 13 00-0039	SF		Baby Roman Brick - Veneer (7.76/SF With Running Bond).....	14.71	
			For Full Header Every 6th Course, Add	0.26	
			For English, Full Header Every Second Course, Add	0.51	
			For Flemish, Alternate Header Every Course, Add	1.38	
			For Curved Wall Application, Add	1.28	
			For Interior Veneer Construction, Add	0.96	
			For Stacked Bond, Add	1.06	
			For Battered Walls (Variable Depth Surface Placement), Add	1.60	
			For Corbels, Add	4.81	
			For Colored Mortar, Add	0.83	
			For Basket Weave Or Soldier Bond Pattern, Add	1.06	
			For Herringbone Pattern, Add	1.79	
			For Severe Weather (SW) Brick, Add	1.25	
			For Close Tolerance (FBX), Add	1.26	
			For <10, Small Area Replacements (Individual Areas), Add	10.03	
			For >300 To 1,200, Deduct	-0.83	
			For >1,200, Deduct	-1.15	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	6.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 21 13 00-0040	SF		Baby Roman Brick - Cavity Wall (7.76/SF With Running Bond).....	15.76	
			For Full Header Every 6th Course, Add	0.30	
			For English, Full Header Every Second Course, Add	0.60	
			For Flemish, Alternate Header Every Course, Add	1.53	
			For Curved Wall Application, Add	1.49	
			For Interior Veneer Construction, Add	1.12	
			For Stacked Bond, Add	1.16	
			For Battered Walls (Variable Depth Surface Placement), Add	1.87	
			For Corbels, Add	5.60	
			For Colored Mortar, Add	0.83	
			For Basket Weave Or Soldier Bond Pattern, Add	1.16	
			For Herringbone Pattern, Add	1.95	
			For Severe Weather (SW) Brick, Add	1.25	
			For Close Tolerance (FBX), Add	1.37	
			For <10, Small Area Replacements (Individual Areas), Add	11.61	
			For >300 To 1,200, Deduct	-0.83	
			For >1,200, Deduct	-1.20	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	7.88	

04 21 13 00-0041 Norwegian Brick (04 21 13 00-0026)
 Note: 3-1/5" x 4" x 12" or 6" Norwegian 3-1/5" x 6" x 12".

04 21 13 00-0042 Norwegian Brick, Red Face Running Bond (04 21 13 00-0041)

04 21 13 00-0043	SF		Norwegian Brick - Veneer (3.41/SF With Running Bond)	11.08	
			For Full Header Every 6th Course, Add	0.26	
			For English, Full Header Every Second Course, Add	0.51	
			For Flemish, Alternate Header Every Course, Add	1.20	
			For Curved Wall Application, Add	1.28	
			For Interior Veneer Construction, Add	0.96	
			For Stacked Bond, Add	0.87	
			For Battered Walls (Variable Depth Surface Placement), Add	1.60	
			For Corbels, Add	4.81	
			For Colored Mortar, Add	0.47	
			For Basket Weave Or Soldier Bond Pattern, Add	0.87	
			For Herringbone Pattern, Add	1.43	
			For Severe Weather (SW) Brick, Add	0.70	
			For Close Tolerance (FBX), Add	0.99	
			For <10, Small Area Replacements (Individual Areas), Add	9.85	
			For >300 To 1,200, Deduct	-0.47	
			For >1,200, Deduct	-0.79	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	6.64	
04 21 13 00-0044	SF		Norwegian Brick - Cavity Wall (3.41/SF With Running Bond)	12.13	
			For Full Header Every 6th Course, Add	0.30	
			For English, Full Header Every Second Course, Add	0.60	
			For Flemish, Alternate Header Every Course, Add	1.35	
			For Curved Wall Application, Add	1.49	
			For Interior Veneer Construction, Add	1.12	
			For Stacked Bond, Add	0.98	
			For Battered Walls (Variable Depth Surface Placement), Add	1.87	
			For Corbels, Add	5.60	
			For Colored Mortar, Add	0.47	
			For Basket Weave Or Soldier Bond Pattern, Add	0.98	
			For Herringbone Pattern, Add	1.59	
			For Severe Weather (SW) Brick, Add	0.70	
			For Close Tolerance (FBX), Add	1.10	
			For <10, Small Area Replacements (Individual Areas), Add	11.42	
			For >300 To 1,200, Deduct	-0.47	
			For >1,200, Deduct	-0.84	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	7.69	
04 21 13 00-0045	SF		6" Norwegian Brick - Veneer (3.41/SF With Running Bond)	13.31	
			For Full Header Every 6th Course, Add	0.26	
			For English, Full Header Every Second Course, Add	0.51	
			For Flemish, Alternate Header Every Course, Add	1.31	
			For Curved Wall Application, Add	1.28	
			For Interior Veneer Construction, Add	0.96	
			For Stacked Bond, Add	0.99	
			For Battered Walls (Variable Depth Surface Placement), Add	1.60	
			For Corbels, Add	4.81	
			For Colored Mortar, Add	0.69	
			For Basket Weave Or Soldier Bond Pattern, Add	0.99	
			For Herringbone Pattern, Add	1.65	
			For Severe Weather (SW) Brick, Add	1.04	
			For Close Tolerance (FBX), Add	1.16	
			For <10, Small Area Replacements (Individual Areas), Add	9.96	
			For >300 To 1,200, Deduct	-0.69	
			For >1,200, Deduct	-1.01	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	6.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0046 SF 6" Norwegian Brick - Cavity Wall (3.41/SF With Running Bond).....	14.36	
For Full Header Every 6th Course, Add	0.30	
For English, Full Header Every Second Course, Add	0.60	
For Flemish, Alternate Header Every Course, Add	1.46	
For Curved Wall Application, Add	1.49	
For Interior Veneer Construction, Add	1.12	
For Stacked Bond, Add	1.09	
For Battered Walls (Variable Depth Surface Placement), Add	1.87	
For Corbels, Add	5.60	
For Colored Mortar, Add	0.69	
For Basket Weave Or Soldier Bond Pattern, Add	1.09	
For Herringbone Pattern, Add	1.81	
For Severe Weather (SW) Brick, Add	1.04	
For Close Tolerance (FBX), Add	1.26	
For <10, Small Area Replacements (Individual Areas), Add	11.54	
For >300 To 1,200, Deduct	-0.69	
For >1,200, Deduct	-1.06	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	7.81	
04 21 13 00-0047 Double Face Brick (04 21 13 00-0026)		
Note: 5-1/3" x 4" x 8".		
04 21 13 00-0048 Double Face Brick, Red Face Running Bond (04 21 13 00-0047)		
04 21 13 00-0049 SF Double Face Brick - Veneer (3.13/SF With Running Bond).....	10.13	
For Full Header Every 6th Course, Add	0.26	
For English, Full Header Every Second Course, Add	0.51	
For Flemish, Alternate Header Every Course, Add	1.15	
For Curved Wall Application, Add	1.28	
For Interior Veneer Construction, Add	0.96	
For Stacked Bond, Add	0.83	
For Battered Walls (Variable Depth Surface Placement), Add	1.60	
For Corbels, Add	4.81	
For Colored Mortar, Add	0.37	
For Basket Weave Or Soldier Bond Pattern, Add	0.83	
For Herringbone Pattern, Add	1.33	
For Severe Weather (SW) Brick, Add	0.56	
For Close Tolerance (FBX), Add	0.92	
For <10, Small Area Replacements (Individual Areas), Add	9.80	
For >300 To 1,200, Deduct	-0.37	
For >1,200, Deduct	-0.69	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	6.60	
04 21 13 00-0050 SF Double Face Brick - Cavity Wall (3.13/SF With Running Bond).....	11.18	
For Full Header Every 6th Course, Add	0.30	
For English, Full Header Every Second Course, Add	0.60	
For Flemish, Alternate Header Every Course, Add	1.31	
For Curved Wall Application, Add	1.49	
For Interior Veneer Construction, Add	1.12	
For Stacked Bond, Add	0.93	
For Battered Walls (Variable Depth Surface Placement), Add	1.87	
For Corbels, Add	5.60	
For Colored Mortar, Add	0.37	
For Basket Weave Or Soldier Bond Pattern, Add	0.93	
For Herringbone Pattern, Add	1.49	
For Severe Weather (SW) Brick, Add	0.56	
For Close Tolerance (FBX), Add	1.03	
For <10, Small Area Replacements (Individual Areas), Add	11.38	
For >300 To 1,200, Deduct	-0.37	
For >1,200, Deduct	-0.75	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	7.65	
04 21 13 00-0051 Triple Face Brick (04 21 13 00-0026)		
Note: 5-1/3" x 4" x 12".		
04 21 13 00-0052 Triple Face Brick, Red Face Running Bond (04 21 13 00-0051)		
04 21 13 00-0053 SF Triple Face Brick - Veneer (2.11/SF With Running Bond).....	9.52	
For Full Header Every 6th Course, Add	0.26	
For English, Full Header Every Second Course, Add	0.51	
For Flemish, Alternate Header Every Course, Add	1.12	
For Curved Wall Application, Add	1.28	
For Interior Veneer Construction, Add	0.96	
For Stacked Bond, Add	0.80	
For Battered Walls (Variable Depth Surface Placement), Add	1.60	
For Corbels, Add	4.81	
For Colored Mortar, Add	0.31	
For Basket Weave Or Soldier Bond Pattern, Add	0.80	
For Herringbone Pattern, Add	1.27	
For Severe Weather (SW) Brick, Add	0.47	
For Close Tolerance (FBX), Add	0.87	
For <10, Small Area Replacements (Individual Areas), Add	9.77	
For >300 To 1,200, Deduct	-0.31	
For >1,200, Deduct	-0.63	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	6.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 21 13 00-0054	SF		Triple Face Brick - Cavity Wall (2.11/SF With Running Bond)	10.57	
			For Full Header Every 6th Course, Add	0.30	
			For English, Full Header Every Second Course, Add	0.60	
			For Flemish, Alternate Header Every Course, Add	1.27	
			For Curved Wall Application, Add	1.49	
			For Interior Veneer Construction, Add	1.12	
			For Stacked Bond, Add	0.90	
			For Battered Walls (Variable Depth Surface Placement), Add	1.87	
			For Corbels, Add	5.60	
			For Colored Mortar, Add	0.31	
			For Basket Weave Or Soldier Bond Pattern, Add	0.90	
			For Herringbone Pattern, Add	1.43	
			For Severe Weather (SW) Brick, Add	0.47	
			For Close Tolerance (FBX), Add	0.98	
			For <10, Small Area Replacements (Individual Areas), Add	11.35	
			For >300 To 1,200, Deduct	-0.31	
			For >1,200, Deduct	-0.68	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	7.62	
04 21 13 00-0055			SCR Face Brick (04 21 13 00-0026)		
			Note: 2-2/3" x 6" x 12".		
04 21 13 00-0056			SCR Face Brick, Red Face Running Bond (04 21 13 00-0055)		
04 21 13 00-0057	SF		SCR Face Brick - Veneer (4.03/SF With Running Bond)	14.44	
			For Full Header Every 6th Course, Add	0.26	
			For English, Full Header Every Second Course, Add	0.51	
			For Flemish, Alternate Header Every Course, Add	1.36	
			For Curved Wall Application, Add	1.28	
			For Interior Veneer Construction, Add	0.96	
			For Stacked Bond, Add	1.04	
			For Battered Walls (Variable Depth Surface Placement), Add	1.60	
			For Corbels, Add	4.81	
			For Colored Mortar, Add	0.80	
			For Basket Weave Or Soldier Bond Pattern, Add	1.04	
			For Herringbone Pattern, Add	1.76	
			For Severe Weather (SW) Brick, Add	1.20	
			For Close Tolerance (FBX), Add	1.24	
			For <10, Small Area Replacements (Individual Areas), Add	10.02	
			For >300 To 1,200, Deduct	-0.80	
			For >1,200, Deduct	-1.12	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	6.81	
04 21 13 00-0058	SF		SCR Face Brick - Cavity Wall (4.03/SF With Running Bond)	15.49	
			For Full Header Every 6th Course, Add	0.30	
			For English, Full Header Every Second Course, Add	0.60	
			For Flemish, Alternate Header Every Course, Add	1.52	
			For Curved Wall Application, Add	1.49	
			For Interior Veneer Construction, Add	1.12	
			For Stacked Bond, Add	1.15	
			For Battered Walls (Variable Depth Surface Placement), Add	1.87	
			For Corbels, Add	5.60	
			For Colored Mortar, Add	0.80	
			For Basket Weave Or Soldier Bond Pattern, Add	1.15	
			For Herringbone Pattern, Add	1.92	
			For Severe Weather (SW) Brick, Add	1.20	
			For Close Tolerance (FBX), Add	1.35	
			For <10, Small Area Replacements (Individual Areas), Add	11.59	
			For >300 To 1,200, Deduct	-0.80	
			For >1,200, Deduct	-1.18	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	7.86	
04 21 13 00-0059			Fire Brick (04 21 13 00-0026)		
			Note: 3-1/5" x 4" x 12" or 6" Norwegian 3-1/5" x 6" x 12".		
04 21 13 00-0060			Fire Brick, Red Face Running Bond (04 21 13 00-0059)		
04 21 13 00-0061	SF		Fire Brick - Veneer (With Running Bond)	14.65	
			For Full Header Every 6th Course, Add	0.26	
			For English, Full Header Every Second Course, Add	0.51	
			For Flemish, Alternate Header Every Course, Add	1.37	
			For Curved Wall Application, Add	1.28	
			For Interior Veneer Construction, Add	0.96	
			For Stacked Bond, Add	1.05	
			For Battered Walls (Variable Depth Surface Placement), Add	1.60	
			For Corbels, Add	4.81	
			For Colored Mortar, Add	0.82	
			For Basket Weave Or Soldier Bond Pattern, Add	1.05	
			For Herringbone Pattern, Add	1.79	
			For Severe Weather (SW) Brick, Add	1.24	
			For Close Tolerance (FBX), Add	1.26	
			For <10, Small Area Replacements (Individual Areas), Add	10.03	
			For >300 To 1,200, Deduct	-0.82	
			For >1,200, Deduct	-1.14	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	6.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0062 SF Fire Brick - Cavity Wall (With Running Bond)	15.70	
For Full Header Every 6th Course, Add	0.30	
For English, Full Header Every Second Course, Add	0.60	
For Flemish, Alternate Header Every Course, Add	1.53	
For Curved Wall Application, Add	1.49	
For Interior Veneer Construction, Add	1.12	
For Stacked Bond, Add	1.16	
For Battered Walls (Variable Depth Surface Placement), Add	1.87	
For Corbels, Add	5.60	
For Colored Mortar, Add	0.82	
For Basket Weave Or Soldier Bond Pattern, Add	1.16	
For Herringbone Pattern, Add	1.94	
For Severe Weather (SW) Brick, Add	1.24	
For Close Tolerance (FBX), Add	1.36	
For <10, Small Area Replacements (Individual Areas), Add	11.60	
For >300 To 1,200, Deduct	-0.82	
For >1,200, Deduct	-1.20	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	7.87	
04 21 13 00-0063 Window Sill (04 21 13)		
04 21 13 00-0064 LF Window Sill, Face Brick On Edge	12.72	
04 21 19 Clay Tile Masonry (04 21)		
04 21 19 00-0001 Scored Face, Hollow, Clay Backing Tile (04 21 19)		
04 21 19 00-0002 Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
04 21 19 00-0003 SF 4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	10.49	
For Smooth Face, One Side, Add	0.76	
For Smooth Face, Two Sides, Add	1.30	
04 21 19 00-0004 SF 6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	11.50	
For Smooth Face, One Side, Add	0.84	
For Smooth Face, Two Sides, Add	1.46	
04 21 19 00-0005 SF 8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	13.13	
For Smooth Face, One Side, Add	0.99	
For Smooth Face, Two Sides, Add	1.71	
04 21 19 00-0006 SF 10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	19.15	
For Smooth Face, One Side, Add	1.57	
For Smooth Face, Two Sides, Add	2.76	
04 21 19 00-0007 SF 12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	25.97	
For Smooth Face, One Side, Add	2.22	
For Smooth Face, Two Sides, Add	3.92	
04 21 19 00-0008 Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
04 21 19 00-0009 SF 3" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	8.63	
For Smooth Face, One Side, Add	0.60	
For Smooth Face, Two Sides, Add	1.03	
04 21 19 00-0010 SF 4" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	10.74	
For Smooth Face, One Side, Add	0.80	
For Smooth Face, Two Sides, Add	1.39	
04 21 19 00-0011 SF 6" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	10.96	
For Smooth Face, One Side, Add	0.81	
For Smooth Face, Two Sides, Add	1.40	
04 21 19 00-0012 SF 8" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	18.11	
For Smooth Face, One Side, Add	1.50	
For Smooth Face, Two Sides, Add	2.65	
04 21 19 00-0013 SF 12" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile.....	25.50	
For Smooth Face, One Side, Add	2.21	
For Smooth Face, Two Sides, Add	3.90	
04 21 26 Glazed Structural Clay Tile Masonry (04 21)		
Note: Includes tile and mortar in all colors.		
04 21 26 00-0001 6T Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0003 SF 2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	18.62	
For Stacked Bond, Add	0.70	
04 21 26 00-0004 SF 4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	22.66	
For Stacked Bond, Add	0.70	
04 21 26 00-0005 SF 6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	30.30	
For Stacked Bond, Add	0.73	
04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0007 LF Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile.....	17.47	
For Stacked Bond, Add	0.83	
04 21 26 00-0008 LF 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile.....	24.21	
For Stacked Bond, Add	0.83	
04 21 26 00-0009 8W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 21 26 00-0011	SF		2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i>	16.83 0.44	
04 21 26 00-0012	SF		4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i>	22.59 0.48	
04 21 26 00-0013	SF		6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i>	34.40 0.51	
04 21 26 00-0014			Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0015	LF		Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	23.81 0.57	
04 21 26 00-0016	LF		2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	23.75 0.57	
04 21 26 00-0017			4W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0018			Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0019	SF		2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	20.13 0.70	
04 21 26 00-0020	SF		4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	22.16 0.70	
04 21 26 00-0021	SF		6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	30.56 0.73	
04 21 26 00-0022			Special Shapes 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0023	LF		Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	18.71 0.83	
04 21 26 00-0024	LF		2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	24.10 0.83	
04 21 26 00-0025			6T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0026	SF		4" Thick, 6T Sound Absorbing Structural Glazed Tile.....	23.69	
04 21 26 00-0027	SF		6" Thick, 6T Sound Absorbing Structural Glazed Tile.....	26.06	
04 21 26 00-0028	SF		8" Thick, 6T Sound Absorbing Structural Glazed Tile.....	30.29	
04 21 26 00-0029			8T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0030	SF		4" Thick, 8T Sound Absorbing Structural Glazed Tile.....	35.61	
04 21 26 00-0031	SF		6" Thick, 8T Sound Absorbing Structural Glazed Tile.....	41.52	
04 21 26 00-0032	SF		8" Thick, 8T Acoustical Glazed Tile.....	48.39	
04 21 29			Terra Cotta Masonry (04 21)		
04 21 29 00-0001			Coping (04 21 29) Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002	SF		Terra Cotta Coping.....	40.59	13.41
04 21 29 00-0003			Partition Or Back Up (Scored) (04 21 29)		
04 21 29 00-0004			Non-load Bearing, 12" x 12" (04 21 29 00-0003)		
04 21 29 00-0005	SF		3" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions..... <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	12.19 1.76 1.59	
04 21 29 00-0006	SF		4" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions..... <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	12.89 1.84 1.67	
04 21 29 00-0007	SF		6" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions..... <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	16.91 2.51 2.24	
04 21 29 00-0008	SF		8" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions..... <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	20.87 3.16 2.80	
04 21 29 00-0009			Load Bearing, 12" x 12" (04 21 29 00-0003)		
04 21 29 00-0010			In Walls (04 21 29 00-0009)		
04 21 29 00-0011	SF		4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face..... <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	13.78 2.00 1.80	
04 21 29 00-0012	SF		6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face..... <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	18.96 2.88 2.55	
04 21 29 00-0013	SF		8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face..... <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	22.87 3.52 3.10	
04 21 29 00-0014	SF		10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face..... <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	23.80 3.60 3.19	
04 21 29 00-0015	SF		12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face..... <i>For Smooth Tile Instead Of Scored, Add</i> <i>For Reinforcing With Steel Rods, Add</i>	28.66 4.36 3.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 21 29 00-0016 In Floors <small>(04 21 29 00-0009)</small>		
04 21 29 00-0017 SF 4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	12.89	
<i>For Smooth Tile Instead Of Scored, Add</i> 2.00		
<i>For Reinforcing With Steel Rods, Add</i> 1.76		
04 21 29 00-0018 SF 6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	17.98	
<i>For Smooth Tile Instead Of Scored, Add</i> 2.88		
<i>For Reinforcing With Steel Rods, Add</i> 2.50		
04 21 29 00-0019 SF 8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	21.86	
<i>For Smooth Tile Instead Of Scored, Add</i> 3.52		
<i>For Reinforcing With Steel Rods, Add</i> 3.05		
04 21 29 00-0020 SF 10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	22.66	
<i>For Smooth Tile Instead Of Scored, Add</i> 3.60		
<i>For Reinforcing With Steel Rods, Add</i> 3.13		
04 21 29 00-0021 SF 12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	27.18	
<i>For Smooth Tile Instead Of Scored, Add</i> 4.36		
<i>For Reinforcing With Steel Rods, Add</i> 3.78		

04 22 Concrete Unit Masonry (04 20)

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry (04 22)

04 22 23 13 Exposed Aggregate Concrete Unit Masonry (04 22 23)

04 22 23 13-0001 Back-Up Concrete Blocks (04 22 23 13)

04 22 23 13-0002 Back-Up Concrete Blocks (04 22 23 13-0001)

04 22 23 13-0003 SF 8" x 16" x 2", Solid, Back-Up Concrete Block	4.47	
<i>For Special Color, Add</i> 1.05		
<i>For Stacked Bond, Add</i> 0.83		
<i>For Scored Block, Add</i> 0.25		
<i>For Curved Wall Application, Add</i> 0.64		
<i>For <10, Small Area Replacements (Individual Areas), Add</i> 4.91		
<i>For >200 To 1,000, Deduct</i> -0.13		
<i>For >1,000, Deduct</i> -0.29		
04 22 23 13-0004 SF 8" x 16" x 4", Regular, Back-Up Concrete Block	4.47	
<i>For Special Color, Add</i> 0.91		
<i>For Stacked Bond, Add</i> 0.88		
<i>For Scored Block, Add</i> 0.22		
<i>For Curved Wall Application, Add</i> 0.67		
<i>For <10, Small Area Replacements (Individual Areas), Add</i> 5.14		
<i>For >200 To 1,000, Deduct</i> -0.11		
<i>For >1,000, Deduct</i> -0.28		
04 22 23 13-0005 SF 8" x 16" x 6", Regular, Back-Up Concrete Block	5.14	
<i>For Special Color, Add</i> 1.15		
<i>For Stacked Bond, Add</i> 0.98		
<i>For Scored Block, Add</i> 0.28		
<i>For Curved Wall Application, Add</i> 0.75		
<i>For <10, Small Area Replacements (Individual Areas), Add</i> 5.74		
<i>For >200 To 1,000, Deduct</i> -0.14		
<i>For >1,000, Deduct</i> -0.33		
04 22 23 13-0006 SF 8" x 16" x 8", Regular, Back-Up Concrete Block	5.58	
<i>For Special Color, Add</i> 1.33		
<i>For Stacked Bond, Add</i> 1.03		
<i>For Scored Block, Add</i> 0.32		
<i>For Curved Wall Application, Add</i> 0.80		
<i>For <10, Small Area Replacements (Individual Areas), Add</i> 6.09		
<i>For >200 To 1,000, Deduct</i> -0.16		
<i>For >1,000, Deduct</i> -0.36		
04 22 23 13-0007 SF 8" x 16" x 10", Regular, Back-Up Concrete Block	6.24	
<i>For Special Color, Add</i> 1.78		
<i>For Stacked Bond, Add</i> 1.07		
<i>For Scored Block, Add</i> 0.43		
<i>For Curved Wall Application, Add</i> 0.82		
<i>For <10, Small Area Replacements (Individual Areas), Add</i> 6.31		
<i>For >200 To 1,000, Deduct</i> -0.21		
<i>For >1,000, Deduct</i> -0.42		
04 22 23 13-0008 SF 8" x 16" x 12", Regular, Back-Up Concrete Block	7.28	
<i>For Special Color, Add</i> 1.85		
<i>For Stacked Bond, Add</i> 1.31		
<i>For Scored Block, Add</i> 0.45		
<i>For Curved Wall Application, Add</i> 1.01		
<i>For <10, Small Area Replacements (Individual Areas), Add</i> 7.74		
<i>For >200 To 1,000, Deduct</i> -0.22		
<i>For >1,000, Deduct</i> -0.48		

04 22 23 13-0009 Foundation Wall Concrete Blocks (04 22 23 13)

04 22 23 13-0010 Foundation Wall Concrete Blocks (04 22 23 13-0009)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 22 23 13-0011	SF		8" x 16" x 6", Regular, Foundation Wall Concrete Block.....	4.71	
			For Special Color, Add	1.15	
			For Stacked Bond, Add	0.87	
			For Scored Block, Add	0.28	
			For Curved Wall Application, Add	0.67	
			For <10, Small Area Replacements (Individual Areas), Add	5.10	
			For >200 To 1,000, Deduct	-0.14	
			For >1,000, Deduct	-0.30	
04 22 23 13-0012	SF		8" x 16" x 8", Regular, Foundation Wall Concrete Block.....	5.16	
			For Special Color, Add	1.33	
			For Stacked Bond, Add	0.93	
			For Scored Block, Add	0.32	
			For Curved Wall Application, Add	0.71	
			For <10, Small Area Replacements (Individual Areas), Add	5.46	
			For >200 To 1,000, Deduct	-0.16	
			For >1,000, Deduct	-0.34	
04 22 23 13-0013	SF		8" x 16" x 10", Regular, Foundation Wall Concrete Block.....	6.06	
			For Special Color, Add	1.78	
			For Stacked Bond, Add	1.02	
			For Scored Block, Add	0.43	
			For Curved Wall Application, Add	0.78	
			For <10, Small Area Replacements (Individual Areas), Add	6.04	
			For >200 To 1,000, Deduct	-0.21	
			For >1,000, Deduct	-0.41	
04 22 23 13-0014	SF		8" x 16" x 12", Regular, Foundation Wall Concrete Block.....	7.28	
			For Special Color, Add	1.85	
			For Stacked Bond, Add	1.31	
			For Scored Block, Add	0.45	
			For Curved Wall Application, Add	1.01	
			For <10, Small Area Replacements (Individual Areas), Add	7.74	
			For >200 To 1,000, Deduct	-0.22	
			For >1,000, Deduct	-0.48	
04 22 23 13-0015	SF		8" x 16" x 6", Solid, Foundation Wall Concrete Block.....	5.26	
			For Special Color, Add	1.53	
			For Stacked Bond, Add	0.89	
			For Scored Block, Add	0.37	
			For Curved Wall Application, Add	0.68	
			For <10, Small Area Replacements (Individual Areas), Add	5.27	
			For >200 To 1,000, Deduct	-0.18	
			For >1,000, Deduct	-0.36	
04 22 23 13-0016	SF		8" x 16" x 8", Solid, Foundation Wall Concrete Block.....	5.88	
			For Special Color, Add	1.80	
			For Stacked Bond, Add	0.96	
			For Scored Block, Add	0.43	
			For Curved Wall Application, Add	0.74	
			For <10, Small Area Replacements (Individual Areas), Add	5.73	
			For >200 To 1,000, Deduct	-0.22	
			For >1,000, Deduct	-0.40	
04 22 23 13-0017	SF		8" x 16" x 10", Solid, Foundation Wall Concrete Block.....	6.78	
			For Special Color, Add	2.22	
			For Stacked Bond, Add	1.07	
			For Scored Block, Add	0.54	
			For Curved Wall Application, Add	0.82	
			For <10, Small Area Replacements (Individual Areas), Add	6.35	
			For >200 To 1,000, Deduct	-0.27	
			For >1,000, Deduct	-0.47	
04 22 23 13-0018	SF		8" x 16" x 12", Solid, Foundation Wall Concrete Block.....	8.18	
			For Special Color, Add	2.39	
			For Stacked Bond, Add	1.38	
			For Scored Block, Add	0.58	
			For Curved Wall Application, Add	1.06	
			For <10, Small Area Replacements (Individual Areas), Add	8.17	
			For >200 To 1,000, Deduct	-0.29	
			For >1,000, Deduct	-0.55	
04 22 23 13-0019			Partition Concrete Blocks <small>(04 22 23 13)</small>		
04 22 23 13-0020			Lightweight, Regular, Partition Concrete Blocks <small>(04 22 23 13-0019)</small>		
04 22 23 13-0021	SF		8" x 16" x 4", Lightweight, Regular, Partition Concrete Block.....	4.54	
			For Special Color, Add	0.97	
			For Stacked Bond, Add	0.88	
			For Scored Block, Add	0.23	
			For Curved Wall Application, Add	0.67	
			For <10, Small Area Replacements (Individual Areas), Add	5.14	
			For >200 To 1,000, Deduct	-0.12	
			For >1,000, Deduct	-0.29	
04 22 23 13-0022	SF		8" x 16" x 6", Lightweight, Regular, Partition Concrete Block.....	5.15	
			For Special Color, Add	1.24	
			For Stacked Bond, Add	0.95	
			For Scored Block, Add	0.30	
			For Curved Wall Application, Add	0.73	
			For <10, Small Area Replacements (Individual Areas), Add	5.60	
			For >200 To 1,000, Deduct	-0.15	
			For >1,000, Deduct	-0.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0023 SF 8" x 16" x 8", Lightweight, Regular, Partition Concrete Block	5.59	
For Special Color, Add	1.39	
For Stacked Bond, Add	1.02	
For Scored Block, Add	0.33	
For Curved Wall Application, Add	0.78	
For <10, Small Area Replacements (Individual Areas), Add	6.01	
For >200 To 1,000, Deduct	-0.17	
For >1,000, Deduct	-0.36	
04 22 23 13-0024 SF 8" x 16" x 10", Lightweight, Regular, Partition Concrete Block	6.33	
For Special Color, Add	1.85	
For Stacked Bond, Add	1.07	
For Scored Block, Add	0.45	
For Curved Wall Application, Add	0.82	
For <10, Small Area Replacements (Individual Areas), Add	6.32	
For >200 To 1,000, Deduct	-0.22	
For >1,000, Deduct	-0.43	
04 22 23 13-0025 SF 8" x 16" x 12", Lightweight, Regular, Partition Concrete Block	7.45	
For Special Color, Add	1.99	
For Stacked Bond, Add	1.31	
For Scored Block, Add	0.48	
For Curved Wall Application, Add	1.01	
For <10, Small Area Replacements (Individual Areas), Add	7.76	
For >200 To 1,000, Deduct	-0.24	
For >1,000, Deduct	-0.49	
04 22 23 13-0026 Lightweight, Solid, Partition Concrete Blocks (04 22 23 13-0019)		
04 22 23 13-0027 SF 8" x 16" x 4", Lightweight, Solid, Partition Concrete Block	5.02	
For Special Color, Add	1.29	
For Stacked Bond, Add	0.90	
For Scored Block, Add	0.31	
For Curved Wall Application, Add	0.69	
For <10, Small Area Replacements (Individual Areas), Add	5.31	
For >200 To 1,000, Deduct	-0.16	
For >1,000, Deduct	-0.33	
04 22 23 13-0028 SF 8" x 16" x 6", Lightweight, Solid, Partition Concrete Block	5.50	
For Special Color, Add	1.40	
For Stacked Bond, Add	0.99	
For Scored Block, Add	0.34	
For Curved Wall Application, Add	0.76	
For <10, Small Area Replacements (Individual Areas), Add	5.84	
For >200 To 1,000, Deduct	-0.17	
For >1,000, Deduct	-0.36	
04 22 23 13-0029 SF 8" x 16" x 8", Lightweight, Solid, Partition Concrete Block	5.79	
For Special Color, Add	1.45	
For Stacked Bond, Add	1.05	
For Scored Block, Add	0.35	
For Curved Wall Application, Add	0.81	
For <10, Small Area Replacements (Individual Areas), Add	6.19	
For >200 To 1,000, Deduct	-0.18	
For >1,000, Deduct	-0.38	
04 22 23 13-0030 SF 8" x 16" x 10", Lightweight, Solid, Partition Concrete Block	6.65	
For Special Color, Add	2.01	
For Stacked Bond, Add	1.10	
For Scored Block, Add	0.48	
For Curved Wall Application, Add	0.85	
For <10, Small Area Replacements (Individual Areas), Add	6.53	
For >200 To 1,000, Deduct	-0.24	
For >1,000, Deduct	-0.45	
04 22 23 13-0031 SF 8" x 16" x 12", Lightweight, Solid, Partition Concrete Block	7.79	
For Special Color, Add	2.14	
For Stacked Bond, Add	1.35	
For Scored Block, Add	0.52	
For Curved Wall Application, Add	1.04	
For <10, Small Area Replacements (Individual Areas), Add	8.01	
For >200 To 1,000, Deduct	-0.26	
For >1,000, Deduct	-0.52	
04 22 23 13-0032 Normal Weight, Regular, Partition Concrete Blocks (04 22 23 13-0019)		
04 22 23 13-0033 SF 8" x 16" x 4", Normal Weight, Regular, Partition Concrete Block	4.63	
For Special Color, Add	0.97	
For Stacked Bond, Add	0.90	
For Scored Block, Add	0.23	
For 4" High (Half Height) Block, Add	0.83	
For Curved Wall Application, Add	0.69	
For <10, Small Area Replacements (Individual Areas), Add	5.28	
For >200 To 1,000, Deduct	-0.12	
For >1,000, Deduct	-0.29	
04 22 23 13-0034 SF 8" x 16" x 6", Normal Weight, Regular, Partition Concrete Block	5.15	
For Special Color, Add	1.11	
For Stacked Bond, Add	0.99	
For Scored Block, Add	0.27	
For 4" High (Half Height) Block, Add	0.93	
For Curved Wall Application, Add	0.76	
For <10, Small Area Replacements (Individual Areas), Add	5.82	
For >200 To 1,000, Deduct	-0.13	
For >1,000, Deduct	-0.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 22 23 13-0035	SF		8" x 16" x 8", Normal Weight, Regular, Partition Concrete Block.....	5.58	
			For Special Color, Add	1.28	
			For Stacked Bond, Add	1.05	
			For Scored Block, Add	0.31	
			For 4" High (Half Height) Block, Add	1.04	
			For Curved Wall Application, Add	0.81	
			For <10, Small Area Replacements (Individual Areas), Add	6.18	
			For >200 To 1,000, Deduct	-0.15	
			For >1,000, Deduct	-0.36	
04 22 23 13-0036	SF		8" x 16" x 10", Normal Weight, Regular, Partition Concrete Block.....	7.20	
			For Special Color, Add	2.47	
			For Stacked Bond, Add	1.10	
			For Scored Block, Add	0.59	
			For 4" High (Half Height) Block, Add	1.64	
			For Curved Wall Application, Add	0.85	
			For <10, Small Area Replacements (Individual Areas), Add	6.57	
			For >200 To 1,000, Deduct	-0.30	
			For >1,000, Deduct	-0.51	
04 22 23 13-0037	SF		8" x 16" x 12", Normal Weight, Regular, Partition Concrete Block.....	8.28	
			For Special Color, Add	2.55	
			For Stacked Bond, Add	1.35	
			For Scored Block, Add	0.61	
			For 4" High (Half Height) Block, Add	1.78	
			For Curved Wall Application, Add	1.04	
			For <10, Small Area Replacements (Individual Areas), Add	8.05	
			For >200 To 1,000, Deduct	-0.31	
			For >1,000, Deduct	-0.57	
04 22 23 13-0038			Normal Weight, Solid, Partition Concrete Blocks (04 22 23 13-0019)	5.05	
04 22 23 13-0039	SF		8" x 16" x 4", Normal Weight, Solid, Partition Concrete Block.....	5.05	
			For Special Color, Add	1.24	
			For Stacked Bond, Add	0.93	
			For Scored Block, Add	0.30	
			For 4" High (Half Height) Block, Add	0.97	
			For Curved Wall Application, Add	0.71	
			For <10, Small Area Replacements (Individual Areas), Add	5.45	
			For >200 To 1,000, Deduct	-0.15	
			For >1,000, Deduct	-0.33	
04 22 23 13-0040	SF		8" x 16" x 6", Normal Weight, Solid, Partition Concrete Block.....	5.30	
			For Special Color, Add	1.15	
			For Stacked Bond, Add	1.02	
			For Scored Block, Add	0.28	
			For 4" High (Half Height) Block, Add	0.96	
			For Curved Wall Application, Add	0.78	
			For <10, Small Area Replacements (Individual Areas), Add	5.98	
			For >200 To 1,000, Deduct	-0.14	
			For >1,000, Deduct	-0.33	
04 22 23 13-0041	SF		8" x 16" x 8", Normal Weight, Solid, Partition Concrete Block.....	5.77	
			For Special Color, Add	1.33	
			For Stacked Bond, Add	1.08	
			For Scored Block, Add	0.32	
			For 4" High (Half Height) Block, Add	1.07	
			For Curved Wall Application, Add	0.83	
			For <10, Small Area Replacements (Individual Areas), Add	6.38	
			For >200 To 1,000, Deduct	-0.16	
			For >1,000, Deduct	-0.37	
04 22 23 13-0042	SF		8" x 16" x 10", Normal Weight, Solid, Partition Concrete Block.....	6.51	
			For Special Color, Add	1.78	
			For Stacked Bond, Add	1.14	
			For Scored Block, Add	0.43	
			For 4" High (Half Height) Block, Add	1.31	
			For Curved Wall Application, Add	0.87	
			For <10, Small Area Replacements (Individual Areas), Add	6.72	
			For >200 To 1,000, Deduct	-0.21	
			For >1,000, Deduct	-0.43	
04 22 23 13-0043	SF		8" x 16" x 12", Normal Weight, Solid, Partition Concrete Block.....	7.62	
			For Special Color, Add	1.85	
			For Stacked Bond, Add	1.40	
			For Scored Block, Add	0.45	
			For 4" High (Half Height) Block, Add	1.45	
			For Curved Wall Application, Add	1.08	
			For <10, Small Area Replacements (Individual Areas), Add	8.25	
			For >200 To 1,000, Deduct	-0.22	
			For >1,000, Deduct	-0.49	
04 22 23 13-0044			High Strength Concrete Blocks (04 22 23 13)	4.48	
04 22 23 13-0045			3,500 PSI, High Strength Concrete Blocks (04 22 23 13-0044)	4.48	
04 22 23 13-0046	SF		8" x 16" x 2", 3,500 PSI, High Strength Concrete Block.....	4.48	
			For Special Color, Add	0.99	
			For Stacked Bond, Add	0.86	
			For Scored Block, Add	0.24	
			For Curved Wall Application, Add	0.66	
04 22 23 13-0047	SF		8" x 16" x 4", 3,500 PSI, High Strength Concrete Block.....	4.57	
			For Special Color, Add	0.92	
			For Stacked Bond, Add	0.90	
			For Scored Block, Add	0.22	
			For Curved Wall Application, Add	0.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0048 SF 8" x 16" x 6", 3,500 PSI, High Strength Concrete Block.....	5.24	
<i>For Special Color, Add</i>	1.19	
<i>For Stacked Bond, Add</i>	0.99	
<i>For Scored Block, Add</i>	0.29	
<i>For Curved Wall Application, Add</i>	0.76	
04 22 23 13-0049 SF 8" x 16" x 8", 3,500 PSI, High Strength Concrete Block.....	5.74	
<i>For Special Color, Add</i>	1.41	
<i>For Stacked Bond, Add</i>	1.05	
<i>For Scored Block, Add</i>	0.34	
<i>For Curved Wall Application, Add</i>	0.81	
04 22 23 13-0050 SF 8" x 16" x 10", 3,500 PSI, High Strength Concrete Block.....	6.67	
<i>For Special Color, Add</i>	1.97	
<i>For Stacked Bond, Add</i>	1.12	
<i>For Scored Block, Add</i>	0.47	
<i>For Curved Wall Application, Add</i>	0.86	
04 22 23 13-0051 SF 8" x 16" x 12", 3,500 PSI, High Strength Concrete Block.....	7.70	
<i>For Special Color, Add</i>	2.07	
<i>For Stacked Bond, Add</i>	1.35	
<i>For Scored Block, Add</i>	0.50	
<i>For Curved Wall Application, Add</i>	1.04	
04 22 23 13-0052 Solar Screen Concrete Blocks (04 22 23 13)		
04 22 23 13-0053 Solar Screen Concrete Blocks (04 22 23 13-0052)		
04 22 23 13-0054 SF 6" x 6" x 4" Solar Screen Concrete Block	6.83	
<i>For Special Color, Add</i>	2.32	
<i>For Stacked Bond, Add</i>	1.05	
<i>For Scored Block, Add</i>	0.56	
<i>For Curved Wall Application, Add</i>	0.81	
04 22 23 13-0055 SF 8" x 8" x 4" Solar Screen Concrete Block	7.25	
<i>For Special Color, Add</i>	2.34	
<i>For Stacked Bond, Add</i>	1.15	
<i>For Scored Block, Add</i>	0.56	
<i>For Curved Wall Application, Add</i>	0.89	
04 22 23 13-0056 SF 12" x 12" x 4" Solar Screen Concrete Block	8.51	
<i>For Special Color, Add</i>	2.95	
<i>For Stacked Bond, Add</i>	1.29	
<i>For Scored Block, Add</i>	0.71	
<i>For Curved Wall Application, Add</i>	0.99	
04 22 23 13-0057 SF 8" x 16" x 8" Solar Screen Concrete Block	11.69	
<i>For Special Color, Add</i>	3.63	
<i>For Stacked Bond, Add</i>	1.90	
<i>For Scored Block, Add</i>	0.87	
<i>For Curved Wall Application, Add</i>	1.46	
04 22 23 13-0058 Bond Beam Or Lintel Concrete Blocks (04 22 23 13)		
04 22 23 13-0059 Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0058)		
Note: Excludes concrete fill and reinforcing. See CSI section 04 05 16 26-0000 for concrete fill.		
04 22 23 13-0060 LF 8" x 16" x 6" Regular Weight, Bond Beam Or Lintel Concrete Block	5.38	
<i>For Special Color, Add</i>	1.30	
<i>For Stacked Bond, Add</i>	0.99	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	3.48	
<i>For Scored Block, Add</i>	0.31	
<i>For Curved Wall Application, Add</i>	0.76	
04 22 23 13-0061 LF 8" x 16" x 8" Regular Weight, Bond Beam Or Lintel Concrete Block	5.99	
<i>For Special Color, Add</i>	1.62	
<i>For Stacked Bond, Add</i>	1.05	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	3.97	
<i>For Scored Block, Add</i>	0.39	
<i>For Curved Wall Application, Add</i>	0.81	
04 22 23 13-0062 LF 8" x 16" x 12" Regular Weight, Bond Beam Or Lintel Concrete Block	7.30	
<i>For Special Color, Add</i>	1.73	
<i>For Stacked Bond, Add</i>	1.35	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	4.70	
<i>For Scored Block, Add</i>	0.42	
<i>For Curved Wall Application, Add</i>	1.04	
04 22 23 13-0063 LF 8" x 16" x 6" Lightweight, Bond Beam Or Lintel Concrete Block.....	5.49	
<i>For Special Color, Add</i>	1.52	
<i>For Stacked Bond, Add</i>	0.95	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	3.66	
<i>For Scored Block, Add</i>	0.37	
<i>For Curved Wall Application, Add</i>	0.73	
04 22 23 13-0064 LF 8" x 16" x 8" Lightweight, Bond Beam Or Lintel Concrete Block.....	6.13	
<i>For Special Color, Add</i>	1.83	
<i>For Stacked Bond, Add</i>	1.02	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	4.17	
<i>For Scored Block, Add</i>	0.44	
<i>For Curved Wall Application, Add</i>	0.78	
04 22 23 13-0065 LF 8" x 16" x 12" Lightweight, Bond Beam Or Lintel Concrete Block.....	7.41	
<i>For Special Color, Add</i>	1.96	
<i>For Stacked Bond, Add</i>	1.31	
<i>For Grout And Fill With 2 #5 Rebar, Add</i>	4.89	
<i>For Scored Block, Add</i>	0.47	
<i>For Curved Wall Application, Add</i>	1.01	

04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23	23-0001		Ground Face Concrete Blocks (04 22 23 23)		
04 22 23 23	0002	SF	8" x 16" x 4" Ground Face Concrete Block	6.11	
			For Special Color, Add	1.56	
			For Stacked Bond, Add	1.10	
			For Scored Block, Add	0.38	
			For Curved Wall Application, Add	0.85	
			For <10, Small Area Replacements (Individual Areas), Add	6.49	
			For >200 To 1,000, Deduct	-0.19	
			For >1,000, Deduct	-0.40	
04 22 23 23	0003	SF	8" x 16" x 6" Ground Face Concrete Block	6.91	
			For Special Color, Add	1.78	
			For Stacked Bond, Add	1.24	
			For Scored Block, Add	0.43	
			For Curved Wall Application, Add	0.95	
			For <10, Small Area Replacements (Individual Areas), Add	7.32	
			For >200 To 1,000, Deduct	-0.21	
			For >1,000, Deduct	-0.45	
04 22 23 23	0004	SF	8" x 16" x 8" Ground Face Concrete Block	7.56	
			For Special Color, Add	2.10	
			For Stacked Bond, Add	1.31	
			For Scored Block, Add	0.51	
			For Curved Wall Application, Add	1.01	
			For <10, Small Area Replacements (Individual Areas), Add	7.73	
			For >200 To 1,000, Deduct	-0.25	
			For >1,000, Deduct	-0.50	
04 22 23 23	0005	SF	8" x 16" x 10" Ground Face Concrete Block	8.12	
			For Special Color, Add	2.32	
			For Stacked Bond, Add	1.39	
			For Scored Block, Add	0.56	
			For Curved Wall Application, Add	1.07	
			For <10, Small Area Replacements (Individual Areas), Add	8.20	
			For >200 To 1,000, Deduct	-0.28	
			For >1,000, Deduct	-0.55	
04 22 23 23	0006	SF	8" x 16" x 12" Ground Face Concrete Block	9.57	
			For Special Color, Add	2.53	
			For Stacked Bond, Add	1.70	
			For Scored Block, Add	0.61	
			For Curved Wall Application, Add	1.30	
			For <10, Small Area Replacements (Individual Areas), Add	10.01	
			For >200 To 1,000, Deduct	-0.31	
			For >1,000, Deduct	-0.63	

04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 26	0001		Acoustical Slotted Concrete Block (04 22 23 26)		
04 22 23 26	0002	SF	4" Thick, .45 - .55 NRC, Slotted, Acoustical Concrete Block	9.41	
			For Special Color, Add	0.47	
			For Stacked Bond, Add	0.42	
04 22 23 26	0003	SF	6" Thick, .45 - .55 NRC, Slotted, Acoustical Concrete Block	10.67	
			For Special Color, Add	0.55	
			For Stacked Bond, Add	0.46	
04 22 23 26	0004	SF	8" Thick, .50 - .60 NRC, Slotted, Acoustical Concrete Block	12.52	
			For Special Color, Add	0.67	
			For Stacked Bond, Add	0.50	
04 22 23 26	0005	SF	4" Thick, .65 - .75 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	14.12	
			For Special Color, Add	0.89	
			For Stacked Bond, Add	0.42	
04 22 23 26	0006	SF	8" Thick, .50 - .60 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	13.41	
			For Special Color, Add	0.75	
			For Stacked Bond, Add	0.50	
04 22 23 26	0007	SF	8" Thick, .60 - .75 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	14.60	
			For Special Color, Add	0.86	
			For Stacked Bond, Add	0.50	

04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29	0001		Modified Face Concrete Blocks (04 22 23 29)		
04 22 23 29	0002		Plain Or Scored Split Faced Concrete Blocks (04 22 23 29-0001)		
04 22 23 29	0003	SF	8" x 16" x 4" Plain Or Scored Split Face Concrete Block	6.33	
			For Special Color, Add	1.74	
			For Stacked Bond, Add	1.10	
			For Curved Wall Application, Add	0.85	
			For <10, Small Area Replacements (Individual Areas), Add	6.50	
			For >200 To 1,000, Deduct	-0.21	
			For >1,000, Deduct	-0.42	
04 22 23 29	0004	SF	8" x 16" x 6" Plain Or Scored Split Face Concrete Block	7.17	
			For Special Color, Add	1.99	
			For Stacked Bond, Add	1.24	
			For Curved Wall Application, Add	0.95	
			For <10, Small Area Replacements (Individual Areas), Add	7.34	
			For >200 To 1,000, Deduct	-0.24	
			For >1,000, Deduct	-0.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0005 SF 8" x 16" x 8" Plain Or Scored Split Face Concrete Block.....	7.85	
For Special Color, Add	2.34	
For Stacked Bond, Add	1.31	
For Curved Wall Application, Add	1.01	
For <10, Small Area Replacements (Individual Areas), Add	7.76	
For >200 To 1,000, Deduct	-0.28	
For >1,000, Deduct	-0.53	
04 22 23 29-0006 SF 8" x 16" x 10" Plain Or Scored Split Face Concrete Block.....	8.47	
For Special Color, Add	2.61	
For Stacked Bond, Add	1.39	
For Curved Wall Application, Add	1.07	
For <10, Small Area Replacements (Individual Areas), Add	8.23	
For >200 To 1,000, Deduct	-0.31	
For >1,000, Deduct	-0.58	
04 22 23 29-0007 SF 8" x 16" x 12" Plain Or Scored Split Face Concrete Block.....	9.55	
For Special Color, Add	2.51	
For Stacked Bond, Add	1.70	
For Curved Wall Application, Add	1.30	
For <10, Small Area Replacements (Individual Areas), Add	10.01	
For >200 To 1,000, Deduct	-0.30	
For >1,000, Deduct	-0.63	
04 22 23 29-0008 Plain Or Scored Split Faced Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0009 SF 8" x 16" x 4" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks.....	6.85	
For Special Color, Add	2.17	
For Stacked Bond, Add	1.10	
For Grout And Fill With 2 #5 Rebar, Add	4.74	
For Curved Wall Application, Add	0.85	
For <10, Small Area Replacements (Individual Areas), Add	6.54	
For >200 To 1,000, Deduct	-0.26	
For >1,000, Deduct	-0.47	
04 22 23 29-0010 SF 8" x 16" x 6" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks.....	7.77	
For Special Color, Add	2.49	
For Stacked Bond, Add	1.24	
For Grout And Fill With 2 #5 Rebar, Add	5.39	
For Curved Wall Application, Add	0.95	
For <10, Small Area Replacements (Individual Areas), Add	7.38	
For >200 To 1,000, Deduct	-0.30	
For >1,000, Deduct	-0.54	
04 22 23 29-0011 SF 8" x 16" x 8" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks.....	8.56	
For Special Color, Add	2.93	
For Stacked Bond, Add	1.31	
For Grout And Fill With 2 #5 Rebar, Add	6.05	
For Curved Wall Application, Add	1.01	
For <10, Small Area Replacements (Individual Areas), Add	7.81	
For >200 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.60	
04 22 23 29-0012 SF 8" x 16" x 10" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks.....	9.26	
For Special Color, Add	3.26	
For Stacked Bond, Add	1.39	
For Grout And Fill With 2 #5 Rebar, Add	6.60	
For Curved Wall Application, Add	1.07	
For <10, Small Area Replacements (Individual Areas), Add	8.29	
For >200 To 1,000, Deduct	-0.39	
For >1,000, Deduct	-0.66	
04 22 23 29-0013 SF 8" x 16" x 12" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks.....	10.31	
For Special Color, Add	3.15	
For Stacked Bond, Add	1.70	
For Grout And Fill With 2 #5 Rebar, Add	7.05	
For Curved Wall Application, Add	1.30	
For <10, Small Area Replacements (Individual Areas), Add	10.06	
For >200 To 1,000, Deduct	-0.38	
For >1,000, Deduct	-0.71	
04 22 23 29-0014 Profile Units, Split Rib Concrete Block (04 22 23 29)		
04 22 23 29-0015 1" Deep Ribs, Profile Units, Split Rib Concrete Block (04 22 23 29-0014)		
04 22 23 29-0016 SF 8" x 16" x 4", 1" Deep Ribs, Profile Units, Split Rib Concrete Block.....	6.16	
For Special Color, Add	1.60	
For Stacked Bond, Add	1.10	
For Scored Block, Add	0.39	
For Curved Wall Application, Add	0.85	
For <10, Small Area Replacements (Individual Areas), Add	6.49	
For >200 To 1,000, Deduct	-0.19	
For >1,000, Deduct	-0.40	
04 22 23 29-0017 SF 8" x 16" x 6", 1" Deep Ribs, Profile Units, Split Rib Concrete Block.....	7.56	
For Special Color, Add	2.32	
For Stacked Bond, Add	1.24	
For Scored Block, Add	0.56	
For Curved Wall Application, Add	0.95	
For <10, Small Area Replacements (Individual Areas), Add	7.36	
For >200 To 1,000, Deduct	-0.28	
For >1,000, Deduct	-0.52	

04	Masonry
04 20	Unit Masonry
04 22	Concrete Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 22 23 29-0018	SF		8" x 16" x 8", 1" Deep Ribs, Profile Units, Split Rib Concrete Block.....	8.06	
			<i>For Special Color, Add</i>	2.51	
			<i>For Stacked Bond, Add</i>	1.31	
			<i>For Scored Block, Add</i>	0.61	
			<i>For Curved Wall Application, Add</i>	1.01	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	7.77	
			<i>For >200 To 1,000, Deduct</i>	-0.30	
			<i>For >1,000, Deduct</i>	-0.55	
04 22 23 29-0019	SF		8" x 16" x 10", 1" Deep Ribs, Profile Units, Split Rib Concrete Block.....	8.64	
			<i>For Special Color, Add</i>	2.75	
			<i>For Stacked Bond, Add</i>	1.39	
			<i>For Scored Block, Add</i>	0.66	
			<i>For Curved Wall Application, Add</i>	1.07	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	8.24	
			<i>For >200 To 1,000, Deduct</i>	-0.33	
			<i>For >1,000, Deduct</i>	-0.60	
04 22 23 29-0020	SF		8" x 16" x 12", 1" Deep Ribs, Profile Units, Split Rib Concrete Block.....	10.14	
			<i>For Special Color, Add</i>	3.00	
			<i>For Stacked Bond, Add</i>	1.70	
			<i>For Scored Block, Add</i>	0.72	
			<i>For Curved Wall Application, Add</i>	1.30	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	10.05	
			<i>For >200 To 1,000, Deduct</i>	-0.36	
			<i>For >1,000, Deduct</i>	-0.69	

04 22 23 31 Glazed Concrete Masonry Unit (04 22 23)

Note: Includes concrete block and mortar.

04 22 23 31-0001			One Glazed Face Concrete Blocks (04 22 23 31)		
04 22 23 31-0002			One Glazed Face Concrete Blocks (04 22 23 31-0001)		
04 22 23 31-0003	SF		4" Thick, One Glazed Face Concrete Block.....	13.39	
			<i>For Special Shapes, Add</i>	9.29	
04 22 23 31-0004	SF		6" Thick, One Glazed Face Concrete Block.....	14.24	
			<i>For Special Shapes, Add</i>	9.72	
04 22 23 31-0005	SF		8" Thick, One Glazed Face Concrete Block.....	15.11	
			<i>For Special Shapes, Add</i>	10.34	
04 22 23 31-0006	SF		10" Thick, One Glazed Face Concrete Block.....	16.00	
			<i>For Special Shapes, Add</i>	10.97	
04 22 23 31-0007	SF		12" Thick, One Glazed Face Concrete Block.....	17.65	
			<i>For Special Shapes, Add</i>	11.51	
04 22 23 31-0008			Two Glazed Faces Concrete Blocks (04 22 23 31)		
04 22 23 31-0009			Two Glazed Faces Concrete Blocks (04 22 23 31-0008)		
04 22 23 31-0010	SF		4" Thick, Two Glazed Faces Concrete Block.....	18.47	
			<i>For Special Shapes, Add</i>	13.79	
04 22 23 31-0011	SF		6" Thick, Two Glazed Faces Concrete Block.....	19.28	
			<i>For Special Shapes, Add</i>	14.25	
04 22 23 31-0012	SF		8" Thick, Two Glazed Faces Concrete Block.....	20.42	
			<i>For Special Shapes, Add</i>	14.86	
04 22 23 31-0013			Glazed Cove Base Concrete Blocks (04 22 23 31)		
04 22 23 31-0014	LF		2" Thick, Glazed Cove Base Concrete Block.....	13.65	
			<i>For Special Shapes, Add</i>	8.32	
04 22 23 31-0015	LF		4" Thick, Glazed Cove Base Concrete Block.....	14.29	
			<i>For Special Shapes, Add</i>	8.49	
04 22 23 31-0016	LF		6" Thick, Glazed Cove Base Concrete Block.....	15.20	
			<i>For Special Shapes, Add</i>	8.85	
04 22 23 31-0017	LF		8" Thick, Glazed Cove Base Concrete Block.....	16.13	
			<i>For Special Shapes, Add</i>	9.29	
04 22 23 31-0018			Glazed Corner, Bullnose Or Square Concrete Blocks (04 22 23 31)		
04 22 23 31-0019	EA		2" Thick, Glazed Corner, Bullnose Or Square Concrete Block.....	20.17	
			<i>For Special Shapes, Add</i>	15.94	
04 22 23 31-0020	EA		4" Thick, Glazed Corner, Bullnose Or Square Concrete Block.....	23.73	
			<i>For Special Shapes, Add</i>	19.05	
04 22 23 31-0021	EA		6" Thick, Glazed Corner, Bullnose Or Square Concrete Block.....	25.23	
			<i>For Special Shapes, Add</i>	20.10	
04 22 23 31-0022	EA		8" Thick, Glazed Corner, Bullnose Or Square Concrete Block.....	26.50	
			<i>For Special Shapes, Add</i>	21.17	
04 22 23 31-0023	EA		10" Thick, Glazed Corner, Bullnose Or Square Concrete Block.....	42.75	
			<i>For Special Shapes, Add</i>	37.19	
04 22 23 31-0024	EA		12" Thick, Glazed Corner, Bullnose Or Square Concrete Block.....	48.39	
			<i>For Special Shapes, Add</i>	41.58	

04 23 Glass Unit Masonry (04 20)**04 23 13 Vertical Glass Unit Masonry (04 23)**

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry (04 23 13)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 23 13 00-0002	SF		6" x 6" x 4" Plain Glass Block.....	28.19	
			For Solar Reflective (Suntrol) Blocks, Add	6.09	
			For Essex (Horizontal Striated) Blocks, Add	3.48	
			For Sculptured Or Patterned Blocks, Add	6.09	
			For Colored Glass, Add	17.39	
			For Thinline Block, Deduct	-4.35	
			For >1,000 To 5,000, Deduct	-1.94	
			For >5,000, Deduct	-3.34	
04 23 13 00-0003	SF		8" x 8" x 4" Plain Glass Block.....	20.25	
			For Solar Reflective (Suntrol) Blocks, Add	4.31	
			For Essex (Horizontal Striated) Blocks, Add	2.46	
			For Sculptured Or Patterned Blocks, Add	4.31	
			For Colored Glass, Add	12.31	
			For Thinline Block, Deduct	-3.08	
			For >1,000 To 5,000, Deduct	-1.40	
			For >5,000, Deduct	-2.41	
04 23 13 00-0004	SF		12" x 12" x 4" Plain Glass Block.....	23.03	
			For Solar Reflective (Suntrol) Blocks, Add	5.51	
			For Essex (Horizontal Striated) Blocks, Add	3.15	
			For Sculptured Or Patterned Blocks, Add	5.51	
			For Colored Glass, Add	15.73	
			For Thinline Block, Deduct	-3.93	
			For >1,000 To 5,000, Deduct	-1.51	
			For >5,000, Deduct	-2.66	
04 23 13 00-0005			Solid Glass Block (Vistabrik®) (04 23 13)		
04 23 13 00-0006	SF		3" x 8" x 3" Solid Glass Block (Vistabrik®).....	301.59	
04 23 13 00-0007	SF		4" x 8" x 3" Solid Glass Block (Vistabrik®).....	227.95	
04 23 13 00-0008	SF		6" x 8" x 3" Solid Glass Block (Vistabrik®).....	155.20	
04 23 13 00-0009	SF		8" x 8" x 3" Solid Glass Block (Vistabrik®).....	108.53	
04 26 Single-Wythe Unit Masonry (04 20)					
04 26 13 Masonry Veneer (04 26)					
04 26 13 00-0001 Brick Veneer And Accessories (04 26 13)					
04 26 13 00-0002 Brick Stretchers (04 26 13 00-0001)					
04 26 13 00-0003	SF		1/2" x 2-1/4" x 7-5/8" Brick Veneer, Stretcher, Smooth Finish	10.81	0.45
			For Sand Finish, Deduct	-0.89	
			For Wire Cut Finish, Add	0.79	
04 26 13 00-0004	SF		1/2" x 3-5/8" x 7-5/8" Brick Veneer, Stretcher, Smooth Finish	10.92	0.51
			For Sand Finish, Deduct	-0.89	
			For Wire Cut Finish, Add	0.79	
04 26 13 00-0005	SF		1/2" x 3-5/8" x 11-5/8" Brick Veneer, Stretcher, Smooth Finish	11.07	0.59
			For Sand Finish, Deduct	-0.89	
			For Wire Cut Finish, Add	0.79	
04 26 13 00-0006 Brick Corners (04 26 13 00-0001)					
04 26 13 00-0007	LF		1/2" x 2-1/4" x 7-5/8" Brick Veneer, Smooth Finish, Corner	22.12	1.37
04 26 13 00-0008	LF		1/2" x 3-5/8" x 7-5/8" Brick Veneer, Smooth Finish, Corner	18.90	1.37
04 26 13 00-0009 Brick Caps And Sills (04 26 13 00-0001)					
04 26 13 00-0010	LF		1" x 3 7/8" Brick Veneer, Smooth, Rolok Sill With Bracket.....	15.86	1.66
04 26 13 00-0011	EA		3-5/8" x 2-1/4" x 7-5/8" Brick Veneer Edge Cap.....	9.98	0.69
04 26 13 00-0012	EA		3-5/8" x 2-1/4" x 7-5/8" Brick Veneer Corner Edge Cap, L or R.....	18.47	0.69
04 26 13 00-0013 Brick Veneer Accessories (04 26 13 00-0001)					
04 26 13 00-0014	LF		2-7/8" Brick Veneer, Starter Angle.....	5.05	0.26
04 26 13 00-0015	LF		3-5/8" Brick Veneer, Top Side Angle	5.37	0.26
04 40 Stone Assemblies (04)					
Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.					
04 41 Dry-Placed Stone (04 40)					
04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone (04 41)					
04 41 00 00-0002	SF		4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone.....	18.57	2.54
04 41 00 00-0003	SF		6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone.....	19.16	2.54
04 42 Exterior Stone Cladding (04 40)					
04 42 43 Stone Panels For Curtain Walls (04 42)					
04 42 43 00-0001 Marble Facing Panels (04 42 43)					
Note: 3' x 1.5'					
04 42 43 00-0002	SF		3/4" Thick Marble Facing Panels	38.01	6.42
04 42 43 00-0003	SF		7/8" Thick Marble Facing Panels	40.62	6.50
04 42 43 00-0004	SF		1-1/2" Thick Marble Facing Panels	48.29	6.63

04 Masonry
04 40 Stone Assemblies
04 42 Exterior Stone Cladding



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 42 43 00-0005	SF		2" Thick Marble Facing Panels	53.78	6.83
04 42 43 00-0006	SF		2-1/4" Thick Marble Facing Panels	57.38	7.25
04 42 43 00-0007	CF		Marble Face Panel.....	253.06	23.60
04 42 43 00-0008			Smooth Limestone Panels (04 42 43)		
			Note: Up to 12' x 5' panels.		
04 42 43 00-0009	SF		1-1/2" Thick Smooth Limestone Panels	27.88	12.87
04 42 43 00-0010	SF		2" Thick Smooth Limestone Panels	29.79	13.50
04 42 43 00-0011	SF		3" Thick Smooth Limestone Panels	31.85	14.12
04 42 43 00-0012	SF		4" Thick Smooth Limestone Panels	38.09	15.53
04 42 43 00-0013			Sandstone Panels (04 42 43)		
04 42 43 00-0014	SF		2-1/2" Thick Sandstone Panels.....	33.76	13.50
04 42 43 00-0015	SF		4" Thick Sandstone Panels.....	36.07	15.53
04 42 43 00-0016	SF		Split Face Sandstone Panels, Random Sizes.....	31.35	15.53
04 43 Stone Masonry (04 40)					
04 43 16 Stone Fabrications (04 43)					
04 43 16 00-0001			Marble (04 43 16)		
04 43 16 00-0002			Marble Base (04 43 16 00-0001)		
			Note: 1" thick.		
04 43 16 00-0003	LF		4" High Marble Base	41.86	23.01
04 43 16 00-0004	LF		6" High Marble Base	48.88	25.07
04 43 16 00-0005			Marble Columns (04 43 16 00-0001)		
04 43 16 00-0006	CF		Plain Faced Solid Marble Columns	162.75	23.60
04 43 16 00-0007	CF		Fluted, Carved Solid Marble Columns	295.43	23.60
04 43 16 00-0008			Marble Flooring (04 43 16 00-0001)		
04 43 16 00-0009	SF		3/8" Uniform Color Marble Flooring.....	13.32	5.27
04 43 16 00-0010	SF		1/2" Uniform Color Marble Flooring.....	14.80	5.27
04 43 16 00-0011	SF		1/2" Travertine Marble Flooring.....	18.13	6.02
04 43 16 00-0012			Marble Items (04 43 16 00-0001)		
04 43 16 00-0013	LF		12" Wide Marble Stair Treads	42.87	8.32
04 43 16 00-0014	LF		6" Wide Marble Stair Risers	32.22	6.67
04 43 16 00-0015	LF		6" Wide x 2" Thick Marble Window Sills.....	18.03	4.93
04 43 16 00-0016	LF		5" Wide x 7/8" Thick Marble Window Stool, Polished	39.78	6.05
04 43 16 00-0017	SF		7/8" Thick, Non Skid, Marble Patio Blocks.....	16.96	7.64
04 43 16 00-0018			Limestone (04 43 16)		
04 43 16 00-0019			Ashlar Veneer Limestone (04 43 16 00-0018)		
04 43 16 00-0020	SF		4" Ashlar Veneer Limestone, Random Sizes	32.26	8.32
04 43 16 00-0021	SF		6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	51.14	11.43
04 43 16 00-0022			Limestone Coping (04 43 16 00-0018)		
			Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0023	SF		2-1/2" Thick Limestone Coping	15.73	3.31
04 43 16 00-0024	SF		3" Thick Limestone Coping	17.95	3.52
04 43 16 00-0025	SF		3-1/2" Thick Limestone Coping.....	20.18	3.72
04 43 16 00-0026	SF		4" Thick Limestone Coping	22.00	3.85
04 43 16 00-0027	SF		5" Thick Limestone Coping	26.05	3.93
04 43 16 00-0028	SF		6" Thick Limestone Coping	40.81	4.14
04 43 16 00-0029	CF		>6" Thick Limestone Coping	65.14	7.48
04 43 16 00-0030			Limestone Stair Treads (04 43 16 00-0018)		
04 43 16 00-0031	SF		2" Thick Limestone Treads	17.30	3.11
04 43 16 00-0032	SF		2-1/2" Thick Limestone Treads	18.57	3.31
04 43 16 00-0033	SF		3" Thick Limestone Treads	21.14	3.52
04 43 16 00-0034	SF		3-1/2" Thick Limestone Treads	23.28	3.72
04 43 16 00-0035	SF		4" Thick Limestone Treads	25.41	3.72
04 43 16 00-0036	SF		5" Thick Limestone Treads	28.87	3.93
04 43 16 00-0037	SF		6" Thick Limestone Tread, Smooth Finish	43.32	4.14
04 43 16 00-0038			Limestone Items (04 43 16 00-0018)		
04 43 16 00-0039	CF		Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	93.69	28.06
04 43 16 00-0040			Slate (04 43 16)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 43 16 00-0041	Slate Panels Or Sills (04 43 16 00-0040)		
04 43 16 00-0042	SF 1" Thick Slate Panels.....	29.25	12.96
04 43 16 00-0043	SF 2" Thick Slate Panels.....	37.00	12.96
04 43 16 00-0044	Slate Sills Or Stools (04 43 16 00-0040)		
04 43 16 00-0045	LF 6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	12.96	4.96
04 43 16 00-0046	LF 10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	17.89	4.96
04 43 16 00-0047	LF 6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	17.19	4.96
04 43 16 00-0048	LF 10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	27.77	4.96
04 43 16 00-0049	Slate Stair Treads (04 43 16 00-0040)		
04 43 16 00-0050	SF 2" Thick Slate Stair Tread.....	22.09	3.11

04 70 Manufactured Masonry (04)

04 72 Cast Stone Masonry (04 70)

04 72 00 00-0001	Precast Concrete Lintels (04 72)		
04 72 00 00-0002	Solid Precast Concrete Lintels (04 72 00 00-0001)		
04 72 00 00-0003	LF 4" x 8", Solid Precast Concrete Lintel.....	7.54	
04 72 00 00-0004	LF 6" x 8", Solid Precast Concrete Lintel.....	10.12	
04 72 00 00-0005	LF 8" x 8", Solid Precast Concrete Lintel.....	12.86	
04 72 00 00-0006	U Shaped Precast Concrete Lintels (04 72 00 00-0001)		
	Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007	LF 6" x 8", U Shaped Precast Concrete Lintel.....	8.10	
04 72 00 00-0008	LF 8" x 8", U Shaped Precast Concrete Lintel.....	10.13	
04 72 00 00-0009	LF 12" x 8", U Shaped Precast Concrete Lintel.....	18.10	
04 72 00 00-0010	Precast Concrete Coping (04 72)		
	Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 21 29 00-0001 for terra cotta coping, 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.		
04 72 00 00-0011	Precast Concrete Coping (04 72 00 00-0010)		
	Note: Measured at highest point.		
04 72 00 00-0012	SF 2" Thick Precast Concrete Coping.....	23.18	4.05
04 72 00 00-0013	SF 2-1/2" Thick Precast Concrete Coping.....	26.91	4.36
04 72 00 00-0014	SF 3" Thick Precast Concrete Coping.....	31.48	4.67
04 72 00 00-0015	SF 3-1/2" Thick Precast Concrete Coping.....	34.38	4.99
04 72 00 00-0016	SF 4" Thick Precast Concrete Coping.....	37.30	5.30
04 72 00 00-0017	SF 5" Thick Precast Concrete Coping.....	45.15	5.61
04 72 00 00-0018	SF 6" Thick Precast Concrete Coping.....	52.31	5.93
04 72 00 00-0019	Precast Concrete Window Sills (04 72)		
	Note: Includes caulk and ties.		
04 72 00 00-0020	Precast Concrete Window Sills (04 72 00 00-0019)		
04 72 00 00-0021	LF 6" Wide Precast Concrete Window Sill.....	17.39	3.12
04 72 00 00-0022	LF 10" Wide Precast Concrete Window Sill.....	27.87	3.12
04 72 00 00-0023	LF 14" Wide Precast Concrete Window Sill.....	33.69	3.12
04 72 00 00-0024	Cast Stone Veneer (04 72)		
04 72 00 00-0025	SF 1" Thick Cast Stone Veneer.....	29.75	6.27
04 72 00 00-0026	Sculpstone Precast Coping (04 72)		
04 72 00 00-0027	EA Sculpstone Precast Coping 30" x 30" x 12".....	355.22	
04 72 00 00-0028	EA Sculpstone Precast Coping 24" x 24" x 12".....	302.46	
04 72 00 00-0029	EA Sculpstone Precast Coping 11' Radius.....	189.45	
04 72 00 00-0030	EA Sculpstone Precast Coping 30" x 12" Straight.....	124.97	
04 72 00 00-0031	EA Sculpstone Precast Coping 8' Radius.....	434.16	
04 72 00 00-0032	EA Sculpstone Precast Coping 36" x 30" x 12".....	434.16	

END OF SECTION 04

04 Masonry

04 70 Manufactured Masonry

04 72 Cast Stone Masonry

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 Metals

05 05 Common Work Results For Metals (05)

05 05 19 Post-Installed Concrete Anchors (05 05)

05 05 19 00-0001	Concrete And Masonry Anchors (05 05 19)	
05 05 19 00-0002	J-Type Anchor Bolts (05 05 19 00-0001) See CSI section 03 11 13 00-0002 for template.	
05 05 19 00-0003	1/2" And 5/8" Diameter (05 05 19 00-0002)	
05 05 19 00-0004	EA 1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 3.74	
	For Galvanized, Add	0.77
	For Stainless Steel, Add	5.36
	For >10 To 50, Deduct	-0.11
	For >50 To 100, Deduct	-0.26
	For >100, Deduct	-0.52
05 05 19 00-0005	EA 1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 4.33	
	For Galvanized, Add	0.98
	For Stainless Steel, Add	6.83
	For >10 To 50, Deduct	-0.12
	For >50 To 100, Deduct	-0.29
	For >100, Deduct	-0.57
05 05 19 00-0006	EA 1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 5.27	
	For Galvanized, Add	1.35
	For Stainless Steel, Add	9.42
	For >10 To 50, Deduct	-0.13
	For >50 To 100, Deduct	-0.33
	For >100, Deduct	-0.65
05 05 19 00-0007	EA 5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 6.09	
	For Galvanized, Add	1.76
	For Stainless Steel, Add	12.29
	For >10 To 50, Deduct	-0.13
	For >50 To 100, Deduct	-0.35
	For >100, Deduct	-0.69
05 05 19 00-0008	EA 5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 7.50	
	For Galvanized, Add	2.35
	For Stainless Steel, Add	16.42
	For >10 To 50, Deduct	-0.14
	For >50 To 100, Deduct	-0.40
	For >100, Deduct	-0.80
05 05 19 00-0009	EA 5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 8.45	
	For Galvanized, Add	2.68
	For Stainless Steel, Add	18.76
	For >10 To 50, Deduct	-0.15
	For >50 To 100, Deduct	-0.44
	For >100, Deduct	-0.89
05 05 19 00-0010	3/4" And 7/8" Diameter (05 05 19 00-0002)	
05 05 19 00-0011	EA 3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 8.41	
	For Galvanized, Add	2.66
	For Stainless Steel, Add	18.62
	For >10 To 50, Deduct	-0.15
	For >50 To 100, Deduct	-0.44
	For >100, Deduct	-0.88
05 05 19 00-0012	EA 3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 9.64	
	For Galvanized, Add	3.10
	For Stainless Steel, Add	21.70
	For >10 To 50, Deduct	-0.17
	For >50 To 100, Deduct	-0.50
	For >100, Deduct	-1.00
05 05 19 00-0013	EA 3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 11.81	
	For Galvanized, Add	3.97
	For Stainless Steel, Add	27.79
	For >10 To 50, Deduct	-0.19
	For >50 To 100, Deduct	-0.59
	For >100, Deduct	-1.17
05 05 19 00-0014	EA 3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 14.34	
	For Galvanized, Add	5.01
	For Stainless Steel, Add	35.04
	For >10 To 50, Deduct	-0.22
	For >50 To 100, Deduct	-0.68
	For >100, Deduct	-1.37
05 05 19 00-0015	EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 11.14	
	For Galvanized, Add	3.64
	For Stainless Steel, Add	25.45
	For >10 To 50, Deduct	-0.19
	For >50 To 100, Deduct	-0.57
	For >100, Deduct	-1.14
05 05 19 00-0016	EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 13.13	
	For Galvanized, Add	4.36
	For Stainless Steel, Add	30.49
	For >10 To 50, Deduct	-0.22
	For >50 To 100, Deduct	-0.66
	For >100, Deduct	-1.32

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.76	
		<i>For Galvanized, Add</i>	5.80	
		<i>For Stainless Steel, Add</i>	40.60	
		<i>For >10 To 50, Deduct</i>	-0.26	
		<i>For >50 To 100, Deduct</i>	-0.81	
		<i>For >100, Deduct</i>	-1.61	
05 05 19 00-0018		1" And 1-1/8" Diameter <small>(05 05 19 00-0002)</small>		
05 05 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.82	
		<i>For Galvanized, Add</i>	4.70	
		<i>For Stainless Steel, Add</i>	32.90	
		<i>For >10 To 50, Deduct</i>	-0.22	
		<i>For >50 To 100, Deduct</i>	-0.68	
		<i>For >100, Deduct</i>	-1.35	
05 05 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.48	
		<i>For Galvanized, Add</i>	5.66	
		<i>For Stainless Steel, Add</i>	39.62	
		<i>For >10 To 50, Deduct</i>	-0.26	
		<i>For >50 To 100, Deduct</i>	-0.80	
		<i>For >100, Deduct</i>	-1.60	
05 05 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.37	
		<i>For Galvanized, Add</i>	7.10	
		<i>For Stainless Steel, Add</i>	49.67	
		<i>For >10 To 50, Deduct</i>	-0.31	
		<i>For >50 To 100, Deduct</i>	-0.97	
		<i>For >100, Deduct</i>	-1.95	
05 05 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	25.08	
		<i>For Galvanized, Add</i>	8.67	
		<i>For Stainless Steel, Add</i>	60.69	
		<i>For >10 To 50, Deduct</i>	-0.39	
		<i>For >50 To 100, Deduct</i>	-1.21	
		<i>For >100, Deduct</i>	-2.42	
05 05 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.62	
		<i>For Galvanized, Add</i>	5.88	
		<i>For Stainless Steel, Add</i>	41.16	
		<i>For >10 To 50, Deduct</i>	-0.24	
		<i>For >50 To 100, Deduct</i>	-0.78	
		<i>For >100, Deduct</i>	-1.56	
05 05 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.81	
		<i>For Galvanized, Add</i>	7.08	
		<i>For Stainless Steel, Add</i>	49.53	
		<i>For >10 To 50, Deduct</i>	-0.28	
		<i>For >50 To 100, Deduct</i>	-0.92	
		<i>For >100, Deduct</i>	-1.84	
05 05 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	24.53	
		<i>For Galvanized, Add</i>	8.87	
		<i>For Stainless Steel, Add</i>	62.09	
		<i>For >10 To 50, Deduct</i>	-0.34	
		<i>For >50 To 100, Deduct</i>	-1.12	
		<i>For >100, Deduct</i>	-2.25	
05 05 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	30.17	
		<i>For Galvanized, Add</i>	10.84	
		<i>For Stainless Steel, Add</i>	75.85	
		<i>For >10 To 50, Deduct</i>	-0.43	
		<i>For >50 To 100, Deduct</i>	-1.39	
		<i>For >100, Deduct</i>	-2.78	
05 05 19 00-0027		1-1/4" And 1-1/2" Diameter <small>(05 05 19 00-0002)</small>		
05 05 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.06	
		<i>For Galvanized, Add</i>	7.35	
		<i>For Stainless Steel, Add</i>	51.42	
		<i>For >10 To 50, Deduct</i>	-0.27	
		<i>For >50 To 100, Deduct</i>	-0.90	
		<i>For >100, Deduct</i>	-1.81	
05 05 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	23.96	
		<i>For Galvanized, Add</i>	8.85	
		<i>For Stainless Steel, Add</i>	61.92	
		<i>For >10 To 50, Deduct</i>	-0.31	
		<i>For >50 To 100, Deduct</i>	-1.07	
		<i>For >100, Deduct</i>	-2.14	
05 05 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	29.70	
		<i>For Galvanized, Add</i>	11.09	
		<i>For Stainless Steel, Add</i>	77.63	
		<i>For >10 To 50, Deduct</i>	-0.38	
		<i>For >50 To 100, Deduct</i>	-1.31	
		<i>For >100, Deduct</i>	-2.61	
05 05 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	36.49	
		<i>For Galvanized, Add</i>	13.54	
		<i>For Stainless Steel, Add</i>	94.78	
		<i>For >10 To 50, Deduct</i>	-0.47	
		<i>For >50 To 100, Deduct</i>	-1.62	
		<i>For >100, Deduct</i>	-3.24	
05 05 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	24.40	
		<i>For Galvanized, Add</i>	9.19	
		<i>For Stainless Steel, Add</i>	64.30	
		<i>For >10 To 50, Deduct</i>	-0.30	
		<i>For >50 To 100, Deduct</i>	-1.06	
		<i>For >100, Deduct</i>	-2.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0033	EA		1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	29.15	
			<i>For Galvanized, Add</i>	11.06	
			<i>For Stainless Steel, Add</i>	77.39	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-1.26	
			<i>For >100, Deduct</i>	-2.51	
05 05 19 00-0034	EA		1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	36.18	
			<i>For Galvanized, Add</i>	13.87	
			<i>For Stainless Steel, Add</i>	97.06	
			<i>For >10 To 50, Deduct</i>	-0.42	
			<i>For >50 To 100, Deduct</i>	-1.54	
			<i>For >100, Deduct</i>	-3.08	
05 05 19 00-0035	EA		1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	44.40	
			<i>For Galvanized, Add</i>	16.93	
			<i>For Stainless Steel, Add</i>	118.51	
			<i>For >10 To 50, Deduct</i>	-0.53	
			<i>For >50 To 100, Deduct</i>	-1.90	
			<i>For >100, Deduct</i>	-3.80	
05 05 19 00-0036			L-Type Anchor Bolts <small>(05 05 19 00-0001)</small>		
			See CSI section 03 11 13 00-0002 for template.		
05 05 19 00-0037			3/4" And 7/8" Diameter <small>(05 05 19 00-0036)</small>		
05 05 19 00-0038	EA		3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	7.51	
			<i>For Galvanized, Add</i>	2.04	
			<i>For Stainless Steel, Add</i>	14.25	
			<i>For >10 To 50, Deduct</i>	-0.17	
			<i>For >50 To 100, Deduct</i>	-0.45	
			<i>For >100, Deduct</i>	-0.89	
05 05 19 00-0039	EA		3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	8.89	
			<i>For Galvanized, Add</i>	2.51	
			<i>For Stainless Steel, Add</i>	17.57	
			<i>For >10 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.51	
			<i>For >100, Deduct</i>	-1.03	
05 05 19 00-0040	EA		3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	10.18	
			<i>For Galvanized, Add</i>	2.88	
			<i>For Stainless Steel, Add</i>	20.16	
			<i>For >10 To 50, Deduct</i>	-0.22	
			<i>For >50 To 100, Deduct</i>	-0.59	
			<i>For >100, Deduct</i>	-1.17	
05 05 19 00-0041	EA		3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	11.14	
			<i>For Galvanized, Add</i>	2.99	
			<i>For Stainless Steel, Add</i>	20.93	
			<i>For >10 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.67	
			<i>For >100, Deduct</i>	-1.33	
05 05 19 00-0042	EA		3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	12.46	
			<i>For Galvanized, Add</i>	3.14	
			<i>For Stainless Steel, Add</i>	21.98	
			<i>For >10 To 50, Deduct</i>	-0.31	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100, Deduct</i>	-1.55	
05 05 19 00-0043	EA		7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	8.91	
			<i>For Galvanized, Add</i>	2.52	
			<i>For Stainless Steel, Add</i>	17.64	
			<i>For >10 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.51	
			<i>For >100, Deduct</i>	-1.03	
05 05 19 00-0044	EA		7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	10.29	
			<i>For Galvanized, Add</i>	2.94	
			<i>For Stainless Steel, Add</i>	20.55	
			<i>For >10 To 50, Deduct</i>	-0.22	
			<i>For >50 To 100, Deduct</i>	-0.59	
			<i>For >100, Deduct</i>	-1.18	
05 05 19 00-0045	EA		7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	11.90	
			<i>For Galvanized, Add</i>	3.37	
			<i>For Stainless Steel, Add</i>	23.59	
			<i>For >10 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.68	
			<i>For >100, Deduct</i>	-1.37	
05 05 19 00-0046	EA		7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	13.17	
			<i>For Galvanized, Add</i>	3.50	
			<i>For Stainless Steel, Add</i>	24.47	
			<i>For >10 To 50, Deduct</i>	-0.31	
			<i>For >50 To 100, Deduct</i>	-0.79	
			<i>For >100, Deduct</i>	-1.59	
05 05 19 00-0047	EA		7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.09	
			<i>For Galvanized, Add</i>	3.68	
			<i>For Stainless Steel, Add</i>	25.73	
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100, Deduct</i>	-1.92	
05 05 19 00-0048			1" And 1-1/8" Diameter <small>(05 05 19 00-0038)</small>		

05 Metals

05 05 Common Work Results For Metals

05 05 19 Post-Installed Concrete Anchors


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	10.89	
		<i>For Galvanized, Add</i>	3.24	
		<i>For Stainless Steel, Add</i>	22.65	
		<i>For >10 To 50, Deduct</i>	-0.22	
		<i>For >50 To 100, Deduct</i>	-0.60	
		<i>For >100, Deduct</i>	-1.21	
05 05 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	12.43	
		<i>For Galvanized, Add</i>	3.64	
		<i>For Stainless Steel, Add</i>	25.45	
		<i>For >10 To 50, Deduct</i>	-0.26	
		<i>For >50 To 100, Deduct</i>	-0.70	
		<i>For >100, Deduct</i>	-1.40	
05 05 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	14.31	
		<i>For Galvanized, Add</i>	4.07	
		<i>For Stainless Steel, Add</i>	28.46	
		<i>For >10 To 50, Deduct</i>	-0.31	
		<i>For >50 To 100, Deduct</i>	-0.82	
		<i>For >100, Deduct</i>	-1.64	
05 05 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.24	
		<i>For Galvanized, Add</i>	4.26	
		<i>For Stainless Steel, Add</i>	29.79	
		<i>For >10 To 50, Deduct</i>	-0.34	
		<i>For >50 To 100, Deduct</i>	-0.89	
		<i>For >100, Deduct</i>	-1.77	
05 05 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.66	
		<i>For Galvanized, Add</i>	4.46	
		<i>For Stainless Steel, Add</i>	31.22	
		<i>For >10 To 50, Deduct</i>	-0.39	
		<i>For >50 To 100, Deduct</i>	-1.00	
		<i>For >100, Deduct</i>	-1.99	
05 05 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.93	
		<i>For Galvanized, Add</i>	5.17	
		<i>For Stainless Steel, Add</i>	36.16	
		<i>For >10 To 50, Deduct</i>	-0.43	
		<i>For >50 To 100, Deduct</i>	-1.12	
		<i>For >100, Deduct</i>	-2.24	
05 05 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.40	
		<i>For Galvanized, Add</i>	6.05	
		<i>For Stainless Steel, Add</i>	42.32	
		<i>For >10 To 50, Deduct</i>	-0.52	
		<i>For >50 To 100, Deduct</i>	-1.33	
		<i>For >100, Deduct</i>	-2.67	
05 05 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	13.67	
		<i>For Galvanized, Add</i>	4.26	
		<i>For Stainless Steel, Add</i>	29.79	
		<i>For >10 To 50, Deduct</i>	-0.26	
		<i>For >50 To 100, Deduct</i>	-0.73	
		<i>For >100, Deduct</i>	-1.46	
05 05 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.70	
		<i>For Galvanized, Add</i>	4.76	
		<i>For Stainless Steel, Add</i>	33.32	
		<i>For >10 To 50, Deduct</i>	-0.31	
		<i>For >50 To 100, Deduct</i>	-0.86	
		<i>For >100, Deduct</i>	-1.71	
05 05 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.69	
		<i>For Galvanized, Add</i>	4.98	
		<i>For Stainless Steel, Add</i>	34.86	
		<i>For >10 To 50, Deduct</i>	-0.34	
		<i>For >50 To 100, Deduct</i>	-0.92	
		<i>For >100, Deduct</i>	-1.84	
05 05 19 00-0059		1-1/4" And 1-3/8" Diameter <small>(05 05 19 00-0036)</small>		
05 05 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.46	
		<i>For Galvanized, Add</i>	5.14	
		<i>For Stainless Steel, Add</i>	35.98	
		<i>For >10 To 50, Deduct</i>	-0.31	
		<i>For >50 To 100, Deduct</i>	-0.88	
		<i>For >100, Deduct</i>	-1.75	
05 05 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.78	
		<i>For Galvanized, Add</i>	6.02	
		<i>For Stainless Steel, Add</i>	42.14	
		<i>For >10 To 50, Deduct</i>	-0.39	
		<i>For >50 To 100, Deduct</i>	-1.08	
		<i>For >100, Deduct</i>	-2.15	
05 05 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.77	
		<i>For Galvanized, Add</i>	6.82	
		<i>For Stainless Steel, Add</i>	47.71	
		<i>For >10 To 50, Deduct</i>	-0.41	
		<i>For >50 To 100, Deduct</i>	-1.15	
		<i>For >100, Deduct</i>	-2.31	
05 05 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.99	
		<i>For Galvanized, Add</i>	7.70	
		<i>For Stainless Steel, Add</i>	53.87	
		<i>For >10 To 50, Deduct</i>	-0.43	
		<i>For >50 To 100, Deduct</i>	-1.24	
		<i>For >100, Deduct</i>	-2.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA		1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	26.41	
			For Galvanized, Add	8.37	
			For Stainless Steel, Add	58.59	
			For >10 To 50, Deduct	-0.48	
			For >50 To 100, Deduct	-1.39	
			For >100, Deduct	-2.77	
05 05 19 00-0065	EA		1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	28.98	
			For Galvanized, Add	8.97	
			For Stainless Steel, Add	62.76	
			For >10 To 50, Deduct	-0.55	
			For >50 To 100, Deduct	-1.55	
			For >100, Deduct	-3.11	
05 05 19 00-0066	EA		1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	32.09	
			For Galvanized, Add	9.60	
			For Stainless Steel, Add	67.17	
			For >10 To 50, Deduct	-0.65	
			For >50 To 100, Deduct	-1.77	
			For >100, Deduct	-3.54	
05 05 19 00-0067	EA		1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	36.69	
			For Galvanized, Add	10.61	
			For Stainless Steel, Add	74.27	
			For >10 To 50, Deduct	-0.77	
			For >50 To 100, Deduct	-2.08	
			For >100, Deduct	-4.16	
05 05 19 00-0068	EA		1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	19.04	
			For Galvanized, Add	6.43	
			For Stainless Steel, Add	45.01	
			For >10 To 50, Deduct	-0.31	
			For >50 To 100, Deduct	-0.94	
			For >100, Deduct	-1.88	
05 05 19 00-0069	EA		1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	22.79	
			For Galvanized, Add	7.53	
			For Stainless Steel, Add	52.68	
			For >10 To 50, Deduct	-0.39	
			For >50 To 100, Deduct	-1.15	
			For >100, Deduct	-2.30	
05 05 19 00-0070	EA		1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	25.18	
			For Galvanized, Add	8.52	
			For Stainless Steel, Add	59.64	
			For >10 To 50, Deduct	-0.41	
			For >50 To 100, Deduct	-1.24	
			For >100, Deduct	-2.48	
05 05 19 00-0071	EA		1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	27.84	
			For Galvanized, Add	9.62	
			For Stainless Steel, Add	67.34	
			For >10 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-1.34	
			For >100, Deduct	-2.68	
05 05 19 00-0072	EA		1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	30.60	
			For Galvanized, Add	10.47	
			For Stainless Steel, Add	73.26	
			For >10 To 50, Deduct	-0.48	
			For >50 To 100, Deduct	-1.49	
			For >100, Deduct	-2.98	
05 05 19 00-0073	EA		1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	33.47	
			For Galvanized, Add	11.21	
			For Stainless Steel, Add	78.47	
			For >10 To 50, Deduct	-0.55	
			For >50 To 100, Deduct	-1.67	
			For >100, Deduct	-3.33	
05 05 19 00-0074	EA		1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	37.09	
			For Galvanized, Add	12.10	
			For Stainless Steel, Add	84.67	
			For >10 To 50, Deduct	-0.65	
			For >50 To 100, Deduct	-1.89	
			For >100, Deduct	-3.79	
05 05 19 00-0075	EA		1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	42.00	
			For Galvanized, Add	13.27	
			For Stainless Steel, Add	92.86	
			For >10 To 50, Deduct	-0.77	
			For >50 To 100, Deduct	-2.21	
			For >100, Deduct	-4.42	
05 05 19 00-0076			1-1/2", 1-3/4", And 2" Diameter (05 05 19 00-0036)		
05 05 19 00-0077	EA		1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	24.86	
			For Galvanized, Add	8.91	
			For Stainless Steel, Add	62.37	
			For >10 To 50, Deduct	-0.35	
			For >50 To 100, Deduct	-1.15	
			For >100, Deduct	-2.30	
05 05 19 00-0078	EA		1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	26.83	
			For Galvanized, Add	9.35	
			For Stainless Steel, Add	65.42	
			For >10 To 50, Deduct	-0.41	
			For >50 To 100, Deduct	-1.28	
			For >100, Deduct	-2.56	

05 Metals

05 05 Common Work Results For Metals

05 05 19 Post-Installed Concrete Anchors


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.67	
		<i>For Galvanized, Add</i>	10.29	
		<i>For Stainless Steel, Add</i>	72.00	
		<i>For >10 To 50, Deduct</i>	-0.46	
		<i>For >50 To 100, Deduct</i>	-1.42	
		<i>For >100, Deduct</i>	-2.85	
05 05 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	32.14	
		<i>For Galvanized, Add</i>	11.24	
		<i>For Stainless Steel, Add</i>	78.65	
		<i>For >10 To 50, Deduct</i>	-0.48	
		<i>For >50 To 100, Deduct</i>	-1.53	
		<i>For >100, Deduct</i>	-3.06	
05 05 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.69	
		<i>For Galvanized, Add</i>	12.19	
		<i>For Stainless Steel, Add</i>	85.33	
		<i>For >10 To 50, Deduct</i>	-0.52	
		<i>For >50 To 100, Deduct</i>	-1.64	
		<i>For >100, Deduct</i>	-3.28	
05 05 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.11	
		<i>For Galvanized, Add</i>	13.11	
		<i>For Stainless Steel, Add</i>	91.74	
		<i>For >10 To 50, Deduct</i>	-0.60	
		<i>For >50 To 100, Deduct</i>	-1.85	
		<i>For >100, Deduct</i>	-3.69	
05 05 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.42	
		<i>For Galvanized, Add</i>	14.18	
		<i>For Stainless Steel, Add</i>	99.26	
		<i>For >10 To 50, Deduct</i>	-0.70	
		<i>For >50 To 100, Deduct</i>	-2.12	
		<i>For >100, Deduct</i>	-4.23	
05 05 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.65	
		<i>For Galvanized, Add</i>	15.73	
		<i>For Stainless Steel, Add</i>	110.08	
		<i>For >10 To 50, Deduct</i>	-0.86	
		<i>For >50 To 100, Deduct</i>	-2.51	
		<i>For >100, Deduct</i>	-5.01	
05 05 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.56	
		<i>For Galvanized, Add</i>	13.41	
		<i>For Stainless Steel, Add</i>	93.87	
		<i>For >10 To 50, Deduct</i>	-0.39	
		<i>For >50 To 100, Deduct</i>	-1.44	
		<i>For >100, Deduct</i>	-2.89	
05 05 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	36.00	
		<i>For Galvanized, Add</i>	13.70	
		<i>For Stainless Steel, Add</i>	95.90	
		<i>For >10 To 50, Deduct</i>	-0.43	
		<i>For >50 To 100, Deduct</i>	-1.55	
		<i>For >100, Deduct</i>	-3.09	
05 05 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	36.94	
		<i>For Galvanized, Add</i>	13.92	
		<i>For Stainless Steel, Add</i>	97.44	
		<i>For >10 To 50, Deduct</i>	-0.46	
		<i>For >50 To 100, Deduct</i>	-1.61	
		<i>For >100, Deduct</i>	-3.21	
05 05 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.82	
		<i>For Galvanized, Add</i>	16.08	
		<i>For Stainless Steel, Add</i>	112.53	
		<i>For >10 To 50, Deduct</i>	-0.48	
		<i>For >50 To 100, Deduct</i>	-1.77	
		<i>For >100, Deduct</i>	-3.54	
05 05 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.17	
		<i>For Galvanized, Add</i>	18.56	
		<i>For Stainless Steel, Add</i>	129.92	
		<i>For >10 To 50, Deduct</i>	-0.55	
		<i>For >50 To 100, Deduct</i>	-2.03	
		<i>For >100, Deduct</i>	-4.07	
05 05 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	50.51	
		<i>For Galvanized, Add</i>	18.81	
		<i>For Stainless Steel, Add</i>	131.64	
		<i>For >10 To 50, Deduct</i>	-0.65	
		<i>For >50 To 100, Deduct</i>	-2.23	
		<i>For >100, Deduct</i>	-4.46	
05 05 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.08	
		<i>For Galvanized, Add</i>	20.31	
		<i>For Stainless Steel, Add</i>	142.14	
		<i>For >10 To 50, Deduct</i>	-0.77	
		<i>For >50 To 100, Deduct</i>	-2.56	
		<i>For >100, Deduct</i>	-5.12	
05 05 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.08	
		<i>For Galvanized, Add</i>	21.87	
		<i>For Stainless Steel, Add</i>	153.09	
		<i>For >10 To 50, Deduct</i>	-0.97	
		<i>For >50 To 100, Deduct</i>	-3.03	
		<i>For >100, Deduct</i>	-6.06	
05 05 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.92	
		<i>For Galvanized, Add</i>	20.41	
		<i>For Stainless Steel, Add</i>	142.87	
		<i>For >10 To 50, Deduct</i>	-0.46	
		<i>For >50 To 100, Deduct</i>	-1.93	
		<i>For >100, Deduct</i>	-3.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0094	EA		2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.44	
			For Galvanized, Add	22.07	
			For Stainless Steel, Add	154.46	
			For >10 To 50, Deduct	-0.52	
			For >50 To 100, Deduct	-2.13	
			For >100, Deduct	-4.27	
05 05 19 00-0095	EA		2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	60.00	
			For Galvanized, Add	24.05	
			For Stainless Steel, Add	168.35	
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-2.39	
			For >100, Deduct	-4.79	
05 05 19 00-0096	EA		2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	65.00	
			For Galvanized, Add	25.47	
			For Stainless Steel, Add	178.29	
			For >10 To 50, Deduct	-0.70	
			For >50 To 100, Deduct	-2.68	
			For >100, Deduct	-5.36	
05 05 19 00-0097	EA		2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	70.21	
			For Galvanized, Add	27.37	
			For Stainless Steel, Add	191.59	
			For >10 To 50, Deduct	-0.77	
			For >50 To 100, Deduct	-2.92	
			For >100, Deduct	-5.83	
05 05 19 00-0098	EA		2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	75.65	
			For Galvanized, Add	29.23	
			For Stainless Steel, Add	204.58	
			For >10 To 50, Deduct	-0.86	
			For >50 To 100, Deduct	-3.18	
			For >100, Deduct	-6.36	
05 05 19 00-0099	EA		2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	84.88	
			For Galvanized, Add	31.39	
			For Stainless Steel, Add	219.73	
			For >10 To 50, Deduct	-1.11	
			For >50 To 100, Deduct	-3.78	
			For >100, Deduct	-7.56	
05 05 19 00-0100	EA		2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	91.12	
			For Galvanized, Add	34.51	
			For Stainless Steel, Add	241.57	
			For >10 To 50, Deduct	-1.11	
			For >50 To 100, Deduct	-3.94	
			For >100, Deduct	-7.87	
05 05 19 00-0101	EA		2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	102.50	
			For Galvanized, Add	38.36	
			For Stainless Steel, Add	268.52	
			For >10 To 50, Deduct	-1.29	
			For >50 To 100, Deduct	-4.50	
			For >100, Deduct	-8.99	
05 05 19 00-0102			2-1/2" And 2-3/4" Diameter (05 05 19 00-0036)		
05 05 19 00-0103	EA		2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	99.80	
			For Galvanized, Add	45.35	
			For Stainless Steel, Add	317.45	
			For >10 To 50, Deduct	-0.46	
			For >50 To 100, Deduct	-3.18	
			For >100, Deduct	-6.36	
05 05 19 00-0104	EA		2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	105.11	
			For Galvanized, Add	47.40	
			For Stainless Steel, Add	331.80	
			For >10 To 50, Deduct	-0.52	
			For >50 To 100, Deduct	-3.40	
			For >100, Deduct	-6.80	
05 05 19 00-0105	EA		2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	114.71	
			For Galvanized, Add	51.41	
			For Stainless Steel, Add	359.84	
			For >10 To 50, Deduct	-0.60	
			For >50 To 100, Deduct	-3.76	
			For >100, Deduct	-7.52	
05 05 19 00-0106	EA		2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	122.41	
			For Galvanized, Add	54.18	
			For Stainless Steel, Add	379.23	
			For >10 To 50, Deduct	-0.70	
			For >50 To 100, Deduct	-4.11	
			For >100, Deduct	-8.23	
05 05 19 00-0107	EA		2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	129.62	
			For Galvanized, Add	57.08	
			For Stainless Steel, Add	399.53	
			For >10 To 50, Deduct	-0.77	
			For >50 To 100, Deduct	-4.40	
			For >100, Deduct	-8.80	
05 05 19 00-0108	EA		2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	137.86	
			For Galvanized, Add	60.33	
			For Stainless Steel, Add	422.31	
			For >10 To 50, Deduct	-0.86	
			For >50 To 100, Deduct	-4.74	
			For >100, Deduct	-9.47	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	149.42	
		<i>For Galvanized, Add</i>	63.66	
		<i>For Stainless Steel, Add</i>	445.62	
		<i>For >10 To 50, Deduct</i>	-1.11	
		<i>For >50 To 100, Deduct</i>	-5.39	
		<i>For >100, Deduct</i>	-10.79	
05 05 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	112.34	
		<i>For Galvanized, Add</i>	51.34	
		<i>For Stainless Steel, Add</i>	359.35	
		<i>For >10 To 50, Deduct</i>	-0.48	
		<i>For >50 To 100, Deduct</i>	-3.53	
		<i>For >100, Deduct</i>	-7.07	
05 05 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	120.88	
		<i>For Galvanized, Add</i>	54.92	
		<i>For Stainless Steel, Add</i>	384.41	
		<i>For >10 To 50, Deduct</i>	-0.55	
		<i>For >50 To 100, Deduct</i>	-3.85	
		<i>For >100, Deduct</i>	-7.70	
05 05 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	129.95	
		<i>For Galvanized, Add</i>	58.53	
		<i>For Stainless Steel, Add</i>	409.68	
		<i>For >10 To 50, Deduct</i>	-0.65	
		<i>For >50 To 100, Deduct</i>	-4.22	
		<i>For >100, Deduct</i>	-8.43	
05 05 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.03	
		<i>For Galvanized, Add</i>	61.78	
		<i>For Stainless Steel, Add</i>	432.46	
		<i>For >10 To 50, Deduct</i>	-0.77	
		<i>For >50 To 100, Deduct</i>	-4.64	
		<i>For >100, Deduct</i>	-9.27	
05 05 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	147.87	
		<i>For Galvanized, Add</i>	65.34	
		<i>For Stainless Steel, Add</i>	457.35	
		<i>For >10 To 50, Deduct</i>	-0.86	
		<i>For >50 To 100, Deduct</i>	-4.99	
		<i>For >100, Deduct</i>	-9.97	
05 05 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	160.10	
		<i>For Galvanized, Add</i>	70.38	
		<i>For Stainless Steel, Add</i>	492.66	
		<i>For >10 To 50, Deduct</i>	-0.97	
		<i>For >50 To 100, Deduct</i>	-5.45	
		<i>For >100, Deduct</i>	-10.91	
05 05 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	174.28	
		<i>For Galvanized, Add</i>	74.25	
		<i>For Stainless Steel, Add</i>	519.75	
		<i>For >10 To 50, Deduct</i>	-1.29	
		<i>For >50 To 100, Deduct</i>	-6.29	
		<i>For >100, Deduct</i>	-12.58	

05 05 19 00-0117 Chemically Adhered Anchor Rods (05 05 19 00-0001)

Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.

05 05 19 00-0118	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	6.35	
		<i>For >10 To 50, Deduct</i>	-0.22	
		<i>For >50 To 100, Deduct</i>	-0.49	
		<i>For >100, Deduct</i>	-0.97	
05 05 19 00-0119	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	7.66	
		<i>For >10 To 50, Deduct</i>	-0.24	
		<i>For >50 To 100, Deduct</i>	-0.55	
		<i>For >100, Deduct</i>	-1.09	
05 05 19 00-0120	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	9.46	
		<i>For >10 To 50, Deduct</i>	-0.30	
		<i>For >50 To 100, Deduct</i>	-0.68	
		<i>For >100, Deduct</i>	-1.36	
05 05 19 00-0121	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	11.35	
		<i>For >10 To 50, Deduct</i>	-0.33	
		<i>For >50 To 100, Deduct</i>	-0.78	
		<i>For >100, Deduct</i>	-1.57	
05 05 19 00-0122	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	12.41	
		<i>For >10 To 50, Deduct</i>	-0.33	
		<i>For >50 To 100, Deduct</i>	-0.81	
		<i>For >100, Deduct</i>	-1.62	
05 05 19 00-0123	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	15.38	
		<i>For >10 To 50, Deduct</i>	-0.41	
		<i>For >50 To 100, Deduct</i>	-1.00	
		<i>For >100, Deduct</i>	-2.01	
05 05 19 00-0124	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	20.86	
		<i>For >10 To 50, Deduct</i>	-0.49	
		<i>For >50 To 100, Deduct</i>	-1.26	
		<i>For >100, Deduct</i>	-2.51	
05 05 19 00-0125	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	25.73	
		<i>For >10 To 50, Deduct</i>	-0.53	
		<i>For >50 To 100, Deduct</i>	-1.44	
		<i>For >100, Deduct</i>	-2.88	
05 05 19 00-0126	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	35.89	
		<i>For >10 To 50, Deduct</i>	-0.69	
		<i>For >50 To 100, Deduct</i>	-1.93	
		<i>For >100, Deduct</i>	-3.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0127	EA		1-1/4" x 14" Long Chemically Adhered Anchor Rod <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	53.89 -0.87 -2.65 -5.30	
05 05 19 00-0128			Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0001)		
05 05 19 00-0129	EA		Grout Concrete Anchor Bolt or Threaded Rod..... <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1.87 -0.09 -0.18 -0.36	
05 05 23			Metal Fastenings (05 05)		
05 05 23 00-0001			Hex Bolts (05 05 23) Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0197 for drilling into concrete, 02 41 19 13-0207 for drilling into brick or block, 02 41 19 13-0217 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.		
05 05 23 00-0002			A307B Heavy Hex Bolts (05 05 23 00-0001) Note: Includes A307B heavy hex nut and two structural washers.		
05 05 23 00-0003			Plain Finish A307B Heavy Hex Bolts (05 05 23 00-0002)		
05 05 23 00-0004	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	6.68 -0.26 -0.55 -1.11	0.62
05 05 23 00-0005	EA		1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	7.56 -0.26 -0.58 -1.15	0.62
05 05 23 00-0006	EA		5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	7.58 -0.26 -0.58 -1.15	0.62
05 05 23 00-0007	EA		5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	9.11 -0.30 -0.67 -1.34	0.71
05 05 23 00-0008	EA		3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	9.05 -0.26 -0.61 -1.23	0.62
05 05 23 00-0009	EA		3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	10.94 -0.30 -0.72 -1.43	0.71
05 05 23 00-0010	EA		3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	14.28 -0.31 -0.82 -1.64	0.74
05 05 23 00-0011	EA		3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	15.38 -0.32 -0.87 -1.74	0.78
05 05 23 00-0012	EA		7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	11.03 -0.28 -0.70 -1.39	0.67
05 05 23 00-0013	EA		7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	13.52 -0.31 -0.80 -1.60	0.74
05 05 23 00-0014	EA		1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	16.16 -0.32 -0.89 -1.78	0.78
05 05 23 00-0015	EA		1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	23.93 -0.34 -1.11 -2.22	0.82
05 05 23 00-0016	EA		1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	28.12 -0.39 -1.28 -2.56	0.92
05 05 23 00-0017	EA		1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	31.78 -0.41 -1.41 -2.83	0.99
05 05 23 00-0018			Galvanized A307B Heavy Hex Bolts (05 05 23 00-0002)		
05 05 23 00-0019	EA		1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	7.11 -0.26 -0.57 -1.13	0.62

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0020	EA 1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt.....	7.84	0.62
	For >10 To 50, Deduct	-0.26	
	For >50 To 100, Deduct	-0.58	
	For >100, Deduct	-1.17	
05 05 23 00-0021	EA 5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	8.64	0.62
	For >10 To 50, Deduct	-0.26	
	For >50 To 100, Deduct	-0.60	
	For >100, Deduct	-1.21	
05 05 23 00-0022	EA 5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	10.17	0.71
	For >10 To 50, Deduct	-0.30	
	For >50 To 100, Deduct	-0.70	
	For >100, Deduct	-1.39	
05 05 23 00-0023	EA 3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	10.25	0.62
	For >10 To 50, Deduct	-0.26	
	For >50 To 100, Deduct	-0.64	
	For >100, Deduct	-1.29	
05 05 23 00-0024	EA 3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	13.16	0.71
	For >10 To 50, Deduct	-0.30	
	For >50 To 100, Deduct	-0.77	
	For >100, Deduct	-1.54	
05 05 23 00-0025	EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	18.11	0.74
	For >10 To 50, Deduct	-0.31	
	For >50 To 100, Deduct	-0.92	
	For >100, Deduct	-1.83	
05 05 23 00-0026	EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	21.57	0.78
	For >10 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.03	
	For >100, Deduct	-2.05	
05 05 23 00-0027	EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	14.18	0.67
	For >10 To 50, Deduct	-0.28	
	For >50 To 100, Deduct	-0.77	
	For >100, Deduct	-1.55	
05 05 23 00-0028	EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	17.06	0.74
	For >10 To 50, Deduct	-0.31	
	For >50 To 100, Deduct	-0.89	
	For >100, Deduct	-1.78	
05 05 23 00-0029	EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	20.74	0.78
	For >10 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-1.00	
	For >100, Deduct	-2.01	
05 05 23 00-0030	EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	32.22	0.82
	For >10 To 50, Deduct	-0.34	
	For >50 To 100, Deduct	-1.32	
	For >100, Deduct	-2.63	
05 05 23 00-0031	EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	31.82	0.92
	For >10 To 50, Deduct	-0.39	
	For >50 To 100, Deduct	-1.37	
	For >100, Deduct	-2.75	
05 05 23 00-0032	EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	40.37	0.99
	For >10 To 50, Deduct	-0.41	
	For >50 To 100, Deduct	-1.63	
	For >100, Deduct	-3.25	
05 05 23 00-0033	A325 High Strength Structural Bolts (05 05 23 00-0001)		
05 05 23 00-0034	Plain Finish A325 High Strength Structural Bolts (05 05 23 00-0033)		
	Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035	EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	6.48	0.62
	For >10 To 50, Deduct	-0.26	
	For >50 To 100, Deduct	-0.55	
	For >100, Deduct	-1.10	
05 05 23 00-0036	EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	6.67	0.62
	For >10 To 50, Deduct	-0.26	
	For >50 To 100, Deduct	-0.55	
	For >100, Deduct	-1.11	
05 05 23 00-0037	EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	7.29	0.62
	For >10 To 50, Deduct	-0.26	
	For >50 To 100, Deduct	-0.57	
	For >100, Deduct	-1.14	
05 05 23 00-0038	EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	9.13	0.71
	For >10 To 50, Deduct	-0.30	
	For >50 To 100, Deduct	-0.67	
	For >100, Deduct	-1.34	
05 05 23 00-0039	EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	10.87	0.74
	For >10 To 50, Deduct	-0.31	
	For >50 To 100, Deduct	-0.73	
	For >100, Deduct	-1.47	
05 05 23 00-0040	EA 3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	8.15	0.62
	For >10 To 50, Deduct	-0.26	
	For >50 To 100, Deduct	-0.59	
	For >100, Deduct	-1.18	
05 05 23 00-0041	EA 3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	10.05	0.71
	For >10 To 50, Deduct	-0.30	
	For >50 To 100, Deduct	-0.69	
	For >100, Deduct	-1.39	
05 05 23 00-0042	EA 3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	11.68	0.74
	For >10 To 50, Deduct	-0.31	
	For >50 To 100, Deduct	-0.75	
	For >100, Deduct	-1.51	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0043	EA		3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	14.83	0.78
			<i>For >10 To 50, Deduct</i>	-0.32	
			<i>For >50 To 100, Deduct</i>	-0.86	
			<i>For >100, Deduct</i>	-1.71	
05 05 23 00-0044	EA		7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	9.62	0.67
			<i>For >10 To 50, Deduct</i>	-0.28	
			<i>For >50 To 100, Deduct</i>	-0.66	
			<i>For >100, Deduct</i>	-1.32	
05 05 23 00-0045	EA		7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	12.02	0.74
			<i>For >10 To 50, Deduct</i>	-0.31	
			<i>For >50 To 100, Deduct</i>	-0.76	
			<i>For >100, Deduct</i>	-1.53	
05 05 23 00-0046	EA		7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	13.94	0.78
			<i>For >10 To 50, Deduct</i>	-0.32	
			<i>For >50 To 100, Deduct</i>	-0.83	
			<i>For >100, Deduct</i>	-1.67	
05 05 23 00-0047	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	15.21	0.82
			<i>For >10 To 50, Deduct</i>	-0.34	
			<i>For >50 To 100, Deduct</i>	-0.89	
			<i>For >100, Deduct</i>	-1.78	
05 05 23 00-0048	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	10.80	0.70
			<i>For >10 To 50, Deduct</i>	-0.29	
			<i>For >50 To 100, Deduct</i>	-0.71	
			<i>For >100, Deduct</i>	-1.41	
05 05 23 00-0049	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	13.22	0.78
			<i>For >10 To 50, Deduct</i>	-0.32	
			<i>For >50 To 100, Deduct</i>	-0.82	
			<i>For >100, Deduct</i>	-1.63	
05 05 23 00-0050	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	15.63	0.82
			<i>For >10 To 50, Deduct</i>	-0.34	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100, Deduct</i>	-1.80	
05 05 23 00-0051	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	20.65	0.87
			<i>For >10 To 50, Deduct</i>	-0.36	
			<i>For >50 To 100, Deduct</i>	-1.06	
			<i>For >100, Deduct</i>	-2.12	
05 05 23 00-0052	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	19.57	0.87
			<i>For >10 To 50, Deduct</i>	-0.36	
			<i>For >50 To 100, Deduct</i>	-1.03	
			<i>For >100, Deduct</i>	-2.07	
05 05 23 00-0053	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	22.42	0.92
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-1.14	
			<i>For >100, Deduct</i>	-2.28	
05 05 23 00-0054	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	26.65	0.99
			<i>For >10 To 50, Deduct</i>	-0.41	
			<i>For >50 To 100, Deduct</i>	-1.28	
			<i>For >100, Deduct</i>	-2.57	
05 05 23 00-0055	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	31.68	1.05
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-1.45	
			<i>For >100, Deduct</i>	-2.90	
05 05 23 00-0056			Galvanized A325 High Strength Structural Bolts <small>(05 05 23 00-0033)</small>		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	6.87	0.62
			<i>For >10 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.56	
			<i>For >100, Deduct</i>	-1.12	
05 05 23 00-0058	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	7.00	0.62
			<i>For >10 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.56	
			<i>For >100, Deduct</i>	-1.13	
05 05 23 00-0059	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	8.10	0.62
			<i>For >10 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.59	
			<i>For >100, Deduct</i>	-1.18	
05 05 23 00-0060	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	9.71	0.71
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.69	
			<i>For >100, Deduct</i>	-1.37	
05 05 23 00-0061	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	10.31	0.74
			<i>For >10 To 50, Deduct</i>	-0.31	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100, Deduct</i>	-1.44	
05 05 23 00-0062	EA		3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	8.52	0.62
			<i>For >10 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-0.60	
			<i>For >100, Deduct</i>	-1.20	
05 05 23 00-0063	EA		3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	10.52	0.71
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.71	
			<i>For >100, Deduct</i>	-1.41	
05 05 23 00-0064	EA		3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	12.41	0.74
			<i>For >10 To 50, Deduct</i>	-0.31	
			<i>For >50 To 100, Deduct</i>	-0.77	
			<i>For >100, Deduct</i>	-1.55	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0065	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	16.57	0.78
		<i>For >10 To 50, Deduct</i>	-0.32	
		<i>For >50 To 100, Deduct</i>	-0.90	
		<i>For >100, Deduct</i>	-1.80	
05 05 23 00-0066	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	11.87	0.67
		<i>For >10 To 50, Deduct</i>	-0.28	
		<i>For >50 To 100, Deduct</i>	-0.72	
		<i>For >100, Deduct</i>	-1.43	
05 05 23 00-0067	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	13.35	0.74
		<i>For >10 To 50, Deduct</i>	-0.31	
		<i>For >50 To 100, Deduct</i>	-0.80	
		<i>For >100, Deduct</i>	-1.59	
05 05 23 00-0068	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	15.55	0.78
		<i>For >10 To 50, Deduct</i>	-0.32	
		<i>For >50 To 100, Deduct</i>	-0.87	
		<i>For >100, Deduct</i>	-1.75	
05 05 23 00-0069	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	20.04	0.82
		<i>For >10 To 50, Deduct</i>	-0.34	
		<i>For >50 To 100, Deduct</i>	-1.01	
		<i>For >100, Deduct</i>	-2.03	
05 05 23 00-0070	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	12.55	0.70
		<i>For >10 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.75	
		<i>For >100, Deduct</i>	-1.50	
05 05 23 00-0071	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	17.22	0.78
		<i>For >10 To 50, Deduct</i>	-0.32	
		<i>For >50 To 100, Deduct</i>	-0.92	
		<i>For >100, Deduct</i>	-1.83	
05 05 23 00-0072	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	18.98	0.82
		<i>For >10 To 50, Deduct</i>	-0.34	
		<i>For >50 To 100, Deduct</i>	-0.99	
		<i>For >100, Deduct</i>	-1.97	
05 05 23 00-0073	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	24.78	0.87
		<i>For >10 To 50, Deduct</i>	-0.36	
		<i>For >50 To 100, Deduct</i>	-1.16	
		<i>For >100, Deduct</i>	-2.33	
05 05 23 00-0074	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	24.61	0.87
		<i>For >10 To 50, Deduct</i>	-0.36	
		<i>For >50 To 100, Deduct</i>	-1.16	
		<i>For >100, Deduct</i>	-2.32	
05 05 23 00-0075	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	26.27	0.92
		<i>For >10 To 50, Deduct</i>	-0.39	
		<i>For >50 To 100, Deduct</i>	-1.23	
		<i>For >100, Deduct</i>	-2.47	
05 05 23 00-0076	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	31.06	0.99
		<i>For >10 To 50, Deduct</i>	-0.41	
		<i>For >50 To 100, Deduct</i>	-1.39	
		<i>For >100, Deduct</i>	-2.79	
05 05 23 00-0077	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	36.28	1.05
		<i>For >10 To 50, Deduct</i>	-0.44	
		<i>For >50 To 100, Deduct</i>	-1.57	
		<i>For >100, Deduct</i>	-3.13	
05 05 23 00-0078		A490 High Strength Structural Bolts <small>(05 05 23 00-0001)</small>		
		Note: Includes A490 heavy hex nut and two structural washers.		
05 05 23 00-0079		Plain Finish A490 High Strength Structural Bolts <small>(05 05 23 00-0078)</small>		
05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	7.60	0.62
		<i>For >10 To 50, Deduct</i>	-0.26	
		<i>For >50 To 100, Deduct</i>	-0.58	
		<i>For >100, Deduct</i>	-1.16	
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	11.22	0.71
		<i>For >10 To 50, Deduct</i>	-0.30	
		<i>For >50 To 100, Deduct</i>	-0.72	
		<i>For >100, Deduct</i>	-1.45	
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	12.07	0.74
		<i>For >10 To 50, Deduct</i>	-0.31	
		<i>For >50 To 100, Deduct</i>	-0.76	
		<i>For >100, Deduct</i>	-1.53	
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	8.78	0.62
		<i>For >10 To 50, Deduct</i>	-0.26	
		<i>For >50 To 100, Deduct</i>	-0.61	
		<i>For >100, Deduct</i>	-1.21	
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	10.77	0.71
		<i>For >10 To 50, Deduct</i>	-0.30	
		<i>For >50 To 100, Deduct</i>	-0.71	
		<i>For >100, Deduct</i>	-1.42	
05 05 23 00-0085	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	12.84	0.74
		<i>For >10 To 50, Deduct</i>	-0.31	
		<i>For >50 To 100, Deduct</i>	-0.78	
		<i>For >100, Deduct</i>	-1.57	
05 05 23 00-0086	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	17.10	0.78
		<i>For >10 To 50, Deduct</i>	-0.32	
		<i>For >50 To 100, Deduct</i>	-0.91	
		<i>For >100, Deduct</i>	-1.83	
05 05 23 00-0087	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	10.35	0.67
		<i>For >10 To 50, Deduct</i>	-0.28	
		<i>For >50 To 100, Deduct</i>	-0.68	
		<i>For >100, Deduct</i>	-1.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0088	EA		7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	12.25	0.74
			<i>For >10 To 50, Deduct</i>	-0.31	
			<i>For >50 To 100, Deduct</i>	-0.77	
			<i>For >100, Deduct</i>	-1.54	
05 05 23 00-0089	EA		7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	18.67	0.78
			<i>For >10 To 50, Deduct</i>	-0.32	
			<i>For >50 To 100, Deduct</i>	-0.95	
			<i>For >100, Deduct</i>	-1.91	
05 05 23 00-0090	EA		1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	12.51	0.70
			<i>For >10 To 50, Deduct</i>	-0.29	
			<i>For >50 To 100, Deduct</i>	-0.75	
			<i>For >100, Deduct</i>	-1.50	
05 05 23 00-0091	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	15.13	0.78
			<i>For >10 To 50, Deduct</i>	-0.32	
			<i>For >50 To 100, Deduct</i>	-0.86	
			<i>For >100, Deduct</i>	-1.73	
05 05 23 00-0092	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	17.69	0.82
			<i>For >10 To 50, Deduct</i>	-0.34	
			<i>For >50 To 100, Deduct</i>	-0.95	
			<i>For >100, Deduct</i>	-1.91	
05 05 23 00-0093	EA		1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	22.62	0.87
			<i>For >10 To 50, Deduct</i>	-0.36	
			<i>For >50 To 100, Deduct</i>	-1.11	
			<i>For >100, Deduct</i>	-2.22	
05 05 23 00-0094	EA		1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	29.70	0.92
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100, Deduct</i>	-2.64	
05 05 23 00-0095	EA		1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	31.18	0.99
			<i>For >10 To 50, Deduct</i>	-0.41	
			<i>For >50 To 100, Deduct</i>	-1.40	
			<i>For >100, Deduct</i>	-2.80	
05 05 23 00-0096	EA		1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	32.46	1.05
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-1.47	
			<i>For >100, Deduct</i>	-2.94	
05 05 23 00-0097			Hex Head Bolts <small>(05 05 23 00-0001)</small>		
05 05 23 00-0098			Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0099			1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0100	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.52	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0101	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.53	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0102	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.58	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0103	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.61	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0104	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.71	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0105	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.73	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0106	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.80	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0107	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.88	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0108	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.90	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0109	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.02	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0110	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.17	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.25	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.37	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.71	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.89	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.94	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0116		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0117	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	2.56	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	2.58	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	2.62	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	2.65	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	2.76	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	2.84	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	2.87	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.01	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0125	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.13	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0126	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.17	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0127	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.26	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0128	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.30	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0129	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	3.73	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0130	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.01	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0131	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.20	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0132	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	4.37	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0133			3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0134	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.61	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0135	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.63	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0136	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.69	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0137	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.74	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0138	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.86	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0139	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.96	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0140	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.05	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0141	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.22	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0142	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.35	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0143	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.42	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0144	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.61	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0145	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.68	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0146	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.73	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0147	EA		3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.84	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0148	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.92	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0149	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.03	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0150			7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0151	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.20	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0152	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.28	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0153	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.29	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0154	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.47	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0155	EA		7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.58	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0156	EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.68	
	For >100 To 250, Deduct	-0.57	
	For >250 To 500, Deduct	-0.72	
	For >500, Deduct	-0.86	
05 05 23 00-0157	EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.01	
	For >100 To 250, Deduct	-0.59	
	For >250 To 500, Deduct	-0.74	
	For >500, Deduct	-0.88	
05 05 23 00-0158	EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.08	
	For >100 To 250, Deduct	-0.59	
	For >250 To 500, Deduct	-0.74	
	For >500, Deduct	-0.88	
05 05 23 00-0159	EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.22	
	For >100 To 250, Deduct	-0.59	
	For >250 To 500, Deduct	-0.74	
	For >500, Deduct	-0.88	
05 05 23 00-0160	EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.53	
	For >100 To 250, Deduct	-0.60	
	For >250 To 500, Deduct	-0.75	
	For >500, Deduct	-0.90	
05 05 23 00-0161	EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.60	
	For >100 To 250, Deduct	-0.60	
	For >250 To 500, Deduct	-0.75	
	For >500, Deduct	-0.90	
05 05 23 00-0162	EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.78	
	For >100 To 250, Deduct	-0.60	
	For >250 To 500, Deduct	-0.75	
	For >500, Deduct	-0.90	
05 05 23 00-0163	EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.93	
	For >100 To 250, Deduct	-0.62	
	For >250 To 500, Deduct	-0.77	
	For >500, Deduct	-0.92	
05 05 23 00-0164	EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.09	
	For >100 To 250, Deduct	-0.62	
	For >250 To 500, Deduct	-0.77	
	For >500, Deduct	-0.92	
05 05 23 00-0165	EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.41	
	For >100 To 250, Deduct	-0.62	
	For >250 To 500, Deduct	-0.77	
	For >500, Deduct	-0.92	
05 05 23 00-0166	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>	3.13	
05 05 23 00-0167	EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.13	
	For >100 To 250, Deduct	-0.56	
	For >250 To 500, Deduct	-0.70	
	For >500, Deduct	-0.84	
05 05 23 00-0168	EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.23	
	For >100 To 250, Deduct	-0.56	
	For >250 To 500, Deduct	-0.70	
	For >500, Deduct	-0.84	
05 05 23 00-0169	EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.32	
	For >100 To 250, Deduct	-0.56	
	For >250 To 500, Deduct	-0.70	
	For >500, Deduct	-0.84	
05 05 23 00-0170	EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.50	
	For >100 To 250, Deduct	-0.57	
	For >250 To 500, Deduct	-0.72	
	For >500, Deduct	-0.86	
05 05 23 00-0171	EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.60	
	For >100 To 250, Deduct	-0.57	
	For >250 To 500, Deduct	-0.72	
	For >500, Deduct	-0.86	
05 05 23 00-0172	EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.70	
	For >100 To 250, Deduct	-0.57	
	For >250 To 500, Deduct	-0.72	
	For >500, Deduct	-0.86	
05 05 23 00-0173	EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.90	
	For >100 To 250, Deduct	-0.59	
	For >250 To 500, Deduct	-0.74	
	For >500, Deduct	-0.88	
05 05 23 00-0174	EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.01	
	For >100 To 250, Deduct	-0.59	
	For >250 To 500, Deduct	-0.74	
	For >500, Deduct	-0.88	
05 05 23 00-0175	EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.21	
	For >100 To 250, Deduct	-0.59	
	For >250 To 500, Deduct	-0.74	
	For >500, Deduct	-0.88	
05 05 23 00-0176	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.30	
	For >100 To 250, Deduct	-0.60	
	For >250 To 500, Deduct	-0.75	
	For >500, Deduct	-0.90	
05 05 23 00-0177	EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.33	
	For >100 To 250, Deduct	-0.60	
	For >250 To 500, Deduct	-0.75	
	For >500, Deduct	-0.90	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0178	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.49	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0179	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.72	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0180	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.82	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0181	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.11	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0182	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.32	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0183	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.43	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0184	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.84	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0185	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.95	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0186			9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0187	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.23	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0188	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.36	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0189	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.39	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0190	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.89	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0191	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.06	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0192	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.11	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0193	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.21	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0194	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.25	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0195	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.39	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0196	EA		9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.49	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0197	EA		9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.53	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0198	EA		9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.66	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0199	EA		9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.87	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-0.92	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.02	
		<i>For >100 To 250, Deduct</i>	-0.62	
		<i>For >250 To 500, Deduct</i>	-0.77	
		<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.17	
		<i>For >100 To 250, Deduct</i>	-0.62	
		<i>For >250 To 500, Deduct</i>	-0.77	
		<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.38	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.56	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.68	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.86	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0206		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.87	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.95	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.06	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.29	
		<i>For >100 To 250, Deduct</i>	-0.64	
		<i>For >250 To 500, Deduct</i>	-0.81	
		<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.46	
		<i>For >100 To 250, Deduct</i>	-0.64	
		<i>For >250 To 500, Deduct</i>	-0.81	
		<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.66	
		<i>For >100 To 250, Deduct</i>	-0.64	
		<i>For >250 To 500, Deduct</i>	-0.81	
		<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0213	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.00	
		<i>For >100 To 250, Deduct</i>	-0.66	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0214	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.32	
		<i>For >100 To 250, Deduct</i>	-0.66	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0215	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.57	
		<i>For >100 To 250, Deduct</i>	-0.66	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0216	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.73	
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0217	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.77	
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0218	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.19	
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0219	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.50	
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-0.86	
		<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0220	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.84	
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-0.86	
		<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0221	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.23	
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-0.86	
		<i>For >500, Deduct</i>	-1.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0222	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.73	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0223	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.11	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0224	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.51	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0225	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.81	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0226			3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0227	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.15	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0228	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.33	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0229	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.49	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0230	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.76	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0231	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.01	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0232	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.23	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0233	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.54	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0234	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.84	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0235	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.08	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0236	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.64	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0237	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.84	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0238	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.22	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0239	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.31	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0240	EA		3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.19	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0241	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.60	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0242	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.21	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0243	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.62	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0244	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.17
		<i>For >100 To 250, Deduct</i>	-0.70
		<i>For >250 To 500, Deduct</i>	-0.87
		<i>For >500, Deduct</i>	-1.05
05 05 23 00-0245	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.70
		<i>For >100 To 250, Deduct</i>	-0.70
		<i>For >250 To 500, Deduct</i>	-0.87
		<i>For >500, Deduct</i>	-1.05
05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05			
		<small>23 00-0098)</small>	
05 05 23 00-0247	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.42
		<i>For >100 To 250, Deduct</i>	-0.70
		<i>For >250 To 500, Deduct</i>	-0.87
		<i>For >500, Deduct</i>	-1.05
05 05 23 00-0248	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.56
		<i>For >100 To 250, Deduct</i>	-0.70
		<i>For >250 To 500, Deduct</i>	-0.87
		<i>For >500, Deduct</i>	-1.05
05 05 23 00-0249	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.63
		<i>For >100 To 250, Deduct</i>	-0.70
		<i>For >250 To 500, Deduct</i>	-0.87
		<i>For >500, Deduct</i>	-1.05
05 05 23 00-0250	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.91
		<i>For >100 To 250, Deduct</i>	-0.71
		<i>For >250 To 500, Deduct</i>	-0.89
		<i>For >500, Deduct</i>	-1.07
05 05 23 00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.31
		<i>For >100 To 250, Deduct</i>	-0.71
		<i>For >250 To 500, Deduct</i>	-0.89
		<i>For >500, Deduct</i>	-1.07
05 05 23 00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.78
		<i>For >100 To 250, Deduct</i>	-0.71
		<i>For >250 To 500, Deduct</i>	-0.89
		<i>For >500, Deduct</i>	-1.07
05 05 23 00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.24
		<i>For >100 To 250, Deduct</i>	-0.73
		<i>For >250 To 500, Deduct</i>	-0.91
		<i>For >500, Deduct</i>	-1.09
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.93
		<i>For >100 To 250, Deduct</i>	-0.73
		<i>For >250 To 500, Deduct</i>	-0.91
		<i>For >500, Deduct</i>	-1.09
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.30
		<i>For >100 To 250, Deduct</i>	-0.73
		<i>For >250 To 500, Deduct</i>	-0.91
		<i>For >500, Deduct</i>	-1.09
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.67
		<i>For >100 To 250, Deduct</i>	-0.74
		<i>For >250 To 500, Deduct</i>	-0.93
		<i>For >500, Deduct</i>	-1.11
05 05 23 00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.89
		<i>For >100 To 250, Deduct</i>	-0.74
		<i>For >250 To 500, Deduct</i>	-0.93
		<i>For >500, Deduct</i>	-1.11
05 05 23 00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.43
		<i>For >100 To 250, Deduct</i>	-0.74
		<i>For >250 To 500, Deduct</i>	-0.93
		<i>For >500, Deduct</i>	-1.11
05 05 23 00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.04
		<i>For >100 To 250, Deduct</i>	-0.76
		<i>For >250 To 500, Deduct</i>	-0.95
		<i>For >500, Deduct</i>	-1.13
05 05 23 00-0260	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.59
		<i>For >100 To 250, Deduct</i>	-0.76
		<i>For >250 To 500, Deduct</i>	-0.95
		<i>For >500, Deduct</i>	-1.13
05 05 23 00-0261	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.12
		<i>For >100 To 250, Deduct</i>	-0.76
		<i>For >250 To 500, Deduct</i>	-0.95
		<i>For >500, Deduct</i>	-1.13
05 05 23 00-0262	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.70
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16
05 05 23 00-0263	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.27
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16
05 05 23 00-0264	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.79
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16
05 05 23 00-0265	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.35
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0266 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0267 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.07	
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-0.87	
For >500, Deduct	-1.05	
05 05 23 00-0268 EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.06	
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-0.87	
For >500, Deduct	-1.05	
05 05 23 00-0269 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.76	
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-0.89	
For >500, Deduct	-1.07	
05 05 23 00-0270 EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.54	
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-0.89	
For >500, Deduct	-1.07	
05 05 23 00-0271 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.24	
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-0.89	
For >500, Deduct	-1.07	
05 05 23 00-0272 EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.04	
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.09	
05 05 23 00-0273 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.73	
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.09	
05 05 23 00-0274 EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.43	
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.09	
05 05 23 00-0275 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.86	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.93	
For >500, Deduct	-1.11	
05 05 23 00-0276 EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.19	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.93	
For >500, Deduct	-1.11	
05 05 23 00-0277 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.79	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-0.93	
For >500, Deduct	-1.11	
05 05 23 00-0278 EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.45	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-0279 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.04	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-0280 EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.65	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.13	
05 05 23 00-0281 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.21	
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.16	
05 05 23 00-0282 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.90	
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.16	
05 05 23 00-0283 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.51	
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.16	
05 05 23 00-0284 EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.12	
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.16	
05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0287 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.55	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.61	
For >500, Deduct	-0.74	
05 05 23 00-0288 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.58	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.61	
For >500, Deduct	-0.74	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0289	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	2.61	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0290	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	2.66	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0291	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	2.78	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0292	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	2.88	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0293	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	2.98	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0294	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.13	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0295	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.25	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0296	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.34	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0297	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.48	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0298	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.56	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0299	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.65	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0300	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.83	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0301	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.94	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0302	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.05	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0303		5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0304	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	2.61	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0305	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	2.63	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0306	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	2.67	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0307	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	2.74	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0308	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	2.87	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0309	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	2.95	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0310	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.11	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0311	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0312	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.38	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0313	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.50	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0314	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.78	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0315	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.82	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0316	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.97	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0317	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.25	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0318	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.46	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0319	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.66	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0320			3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0321	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.65	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0322	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.66	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0323	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.73	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0324	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.81	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0325	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.96	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0326	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.05	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0327	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.18	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0328	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.40	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0329	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.72	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0330	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.87	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0331	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.12	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0332	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.25	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0333	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.50	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0334	EA		3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.75	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0335	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.07	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0336	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.33	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0337			7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0338	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.14	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0339	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.21	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0340	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.37	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0341	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.57	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0342	EA		7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.69	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0343	EA		7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.80	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0344	EA		7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.02	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0345	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.65	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0346	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.93	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0347	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.09	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0348	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.22	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0349	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.35	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0350	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.61	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0351	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.79	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0352	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.98	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0353			1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0354	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	3.23	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0355	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.32	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0356	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.41	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0357	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.63	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0358	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.78	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0359	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.93	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0360	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.14	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0361	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.63	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0362	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.67	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0363	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.07	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0364	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.27	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0365	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.76	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0366	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.28	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0367	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.56	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0368	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.67	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0369	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.25	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0370	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.74	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0371	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.43	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0372	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.70	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0373			9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0374	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.50	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0375	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.66	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0376	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.80	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0377	EA	9/16"	Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.03	
			<i>For >100 To 250, Deduct</i>		-0.57
			<i>For >250 To 500, Deduct</i>		-0.72
			<i>For >500, Deduct</i>		-0.86
05 05 23 00-0378	EA	9/16"	Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.23	
			<i>For >100 To 250, Deduct</i>		-0.57
			<i>For >250 To 500, Deduct</i>		-0.72
			<i>For >500, Deduct</i>		-0.86
05 05 23 00-0379	EA	9/16"	Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.46	
			<i>For >100 To 250, Deduct</i>		-0.57
			<i>For >250 To 500, Deduct</i>		-0.72
			<i>For >500, Deduct</i>		-0.86
05 05 23 00-0380	EA	9/16"	Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.79	
			<i>For >100 To 250, Deduct</i>		-0.59
			<i>For >250 To 500, Deduct</i>		-0.74
			<i>For >500, Deduct</i>		-0.88
05 05 23 00-0381	EA	9/16"	Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.65	
			<i>For >100 To 250, Deduct</i>		-0.59
			<i>For >250 To 500, Deduct</i>		-0.74
			<i>For >500, Deduct</i>		-0.88
05 05 23 00-0382	EA	9/16"	Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.88	
			<i>For >100 To 250, Deduct</i>		-0.59
			<i>For >250 To 500, Deduct</i>		-0.74
			<i>For >500, Deduct</i>		-0.88
05 05 23 00-0383	EA	9/16"	Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.20	
			<i>For >100 To 250, Deduct</i>		-0.60
			<i>For >250 To 500, Deduct</i>		-0.75
			<i>For >500, Deduct</i>		-0.90
05 05 23 00-0384	EA	9/16"	Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.44	
			<i>For >100 To 250, Deduct</i>		-0.60
			<i>For >250 To 500, Deduct</i>		-0.75
			<i>For >500, Deduct</i>		-0.90
05 05 23 00-0385	EA	9/16"	Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.24	
			<i>For >100 To 250, Deduct</i>		-0.60
			<i>For >250 To 500, Deduct</i>		-0.75
			<i>For >500, Deduct</i>		-0.90
05 05 23 00-0386	EA	9/16"	Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.30	
			<i>For >100 To 250, Deduct</i>		-0.62
			<i>For >250 To 500, Deduct</i>		-0.77
			<i>For >500, Deduct</i>		-0.92
05 05 23 00-0387	EA	9/16"	Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.63	
			<i>For >100 To 250, Deduct</i>		-0.62
			<i>For >250 To 500, Deduct</i>		-0.77
			<i>For >500, Deduct</i>		-0.92
05 05 23 00-0388	EA	9/16"	Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.18	
			<i>For >100 To 250, Deduct</i>		-0.62
			<i>For >250 To 500, Deduct</i>		-0.77
			<i>For >500, Deduct</i>		-0.92
05 05 23 00-0389	EA	9/16"	Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.77	
			<i>For >100 To 250, Deduct</i>		-0.63
			<i>For >250 To 500, Deduct</i>		-0.79
			<i>For >500, Deduct</i>		-0.95
05 05 23 00-0390	EA	9/16"	Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.97	
			<i>For >100 To 250, Deduct</i>		-0.63
			<i>For >250 To 500, Deduct</i>		-0.79
			<i>For >500, Deduct</i>		-0.95
05 05 23 00-0391	EA	9/16"	Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.17	
			<i>For >100 To 250, Deduct</i>		-0.63
			<i>For >250 To 500, Deduct</i>		-0.79
			<i>For >500, Deduct</i>		-0.95
05 05 23 00-0392	EA	9/16"	Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.67	
			<i>For >100 To 250, Deduct</i>		-0.63
			<i>For >250 To 500, Deduct</i>		-0.79
			<i>For >500, Deduct</i>		-0.95
05 05 23 00-0393			5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0394	EA	5/8"	Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.02	
			<i>For >100 To 250, Deduct</i>		-0.63
			<i>For >250 To 500, Deduct</i>		-0.79
			<i>For >500, Deduct</i>		-0.95
05 05 23 00-0395	EA	5/8"	Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.07	
			<i>For >100 To 250, Deduct</i>		-0.63
			<i>For >250 To 500, Deduct</i>		-0.79
			<i>For >500, Deduct</i>		-0.95
05 05 23 00-0396	EA	5/8"	Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.12	
			<i>For >100 To 250, Deduct</i>		-0.63
			<i>For >250 To 500, Deduct</i>		-0.79
			<i>For >500, Deduct</i>		-0.95
05 05 23 00-0397	EA	5/8"	Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.34	
			<i>For >100 To 250, Deduct</i>		-0.64
			<i>For >250 To 500, Deduct</i>		-0.81
			<i>For >500, Deduct</i>		-0.97
05 05 23 00-0398	EA	5/8"	Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	4.61	
			<i>For >100 To 250, Deduct</i>		-0.64
			<i>For >250 To 500, Deduct</i>		-0.81
			<i>For >500, Deduct</i>		-0.97



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0399	EA		5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.85	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0400	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.17	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0401	EA		5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.63	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0402	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.88	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0403	EA		5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.07	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0404	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.47	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0405	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.11	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0406	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.75	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0407	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.28	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0408	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.36	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0409	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.37	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0410	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.08	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0411	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.11	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0412	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.47	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0413			3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0414	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.61	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0415	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.71	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0416	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.77	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0417	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.07	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0418	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.33	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0419	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.73	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0420	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.07	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-0.99	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.33	
		<i>For >100 To 250, Deduct</i>	-0.66	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.88	
		<i>For >100 To 250, Deduct</i>	-0.66	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.19	
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.64	
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.18	
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.03	
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-0.86	
		<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.60	
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-0.86	
		<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.92	
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-0.86	
		<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.84	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.13	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.07	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.30	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0433		7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.70	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.83	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.00	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.26	
		<i>For >100 To 250, Deduct</i>	-0.71	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.79	
		<i>For >100 To 250, Deduct</i>	-0.71	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.14	
		<i>For >100 To 250, Deduct</i>	-0.71	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.48	
		<i>For >100 To 250, Deduct</i>	-0.73	
		<i>For >250 To 500, Deduct</i>	-0.91	
		<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.10	
		<i>For >100 To 250, Deduct</i>	-0.73	
		<i>For >250 To 500, Deduct</i>	-0.91	
		<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.58	
		<i>For >100 To 250, Deduct</i>	-0.73	
		<i>For >250 To 500, Deduct</i>	-0.91	
		<i>For >500, Deduct</i>	-1.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0443	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.87	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0444	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.26	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0445	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.95	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0446	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.62	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0447	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.36	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0448	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.41	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0449	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.54	
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0450	EA		7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.27	
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0451	EA		7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.88	
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0452	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.50	
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0453			1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0454	EA		1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.88	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0455	EA		1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.92	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0456	EA		1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.39	
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0457	EA		1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.90	
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0458	EA		1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.28	
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0459	EA		1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.83	
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0460	EA		1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.43	
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0461	EA		1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.31	
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0462	EA		1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.00	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0463	EA		1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.19	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0464	EA		1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.41	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.11	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.27
		<i>For >100 To 250, Deduct</i>	-0.76
		<i>For >250 To 500, Deduct</i>	-0.95
		<i>For >500, Deduct</i>	-1.13
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.57
		<i>For >100 To 250, Deduct</i>	-0.76
		<i>For >250 To 500, Deduct</i>	-0.95
		<i>For >500, Deduct</i>	-1.13
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.93
		<i>For >100 To 250, Deduct</i>	-0.76
		<i>For >250 To 500, Deduct</i>	-0.95
		<i>For >500, Deduct</i>	-1.13
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.17
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.50
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.39
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.00
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16
05 05 23 00-0472		Zinc Plated Steel, Grade 8, Hex Head Bolts <i>(05 05 23 00-0097)</i>	
05 05 23 00-0473		1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <i>(05 05 23 00-0472)</i>	
05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	2.57
		<i>For >100 To 250, Deduct</i>	-0.49
		<i>For >250 To 500, Deduct</i>	-0.61
		<i>For >500, Deduct</i>	-0.74
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	2.63
		<i>For >100 To 250, Deduct</i>	-0.49
		<i>For >250 To 500, Deduct</i>	-0.61
		<i>For >500, Deduct</i>	-0.74
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	2.66
		<i>For >100 To 250, Deduct</i>	-0.49
		<i>For >250 To 500, Deduct</i>	-0.61
		<i>For >500, Deduct</i>	-0.74
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	2.73
		<i>For >100 To 250, Deduct</i>	-0.49
		<i>For >250 To 500, Deduct</i>	-0.61
		<i>For >500, Deduct</i>	-0.74
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	2.84
		<i>For >100 To 250, Deduct</i>	-0.50
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.76
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	2.91
		<i>For >100 To 250, Deduct</i>	-0.50
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.76
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	2.98
		<i>For >100 To 250, Deduct</i>	-0.50
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.76
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.06
		<i>For >100 To 250, Deduct</i>	-0.52
		<i>For >250 To 500, Deduct</i>	-0.65
		<i>For >500, Deduct</i>	-0.78
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.26
		<i>For >100 To 250, Deduct</i>	-0.52
		<i>For >250 To 500, Deduct</i>	-0.65
		<i>For >500, Deduct</i>	-0.78
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.45
		<i>For >100 To 250, Deduct</i>	-0.52
		<i>For >250 To 500, Deduct</i>	-0.65
		<i>For >500, Deduct</i>	-0.78
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.61
		<i>For >100 To 250, Deduct</i>	-0.53
		<i>For >250 To 500, Deduct</i>	-0.66
		<i>For >500, Deduct</i>	-0.80
05 05 23 00-0485	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.71
		<i>For >100 To 250, Deduct</i>	-0.53
		<i>For >250 To 500, Deduct</i>	-0.66
		<i>For >500, Deduct</i>	-0.80
05 05 23 00-0486	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	3.84
		<i>For >100 To 250, Deduct</i>	-0.53
		<i>For >250 To 500, Deduct</i>	-0.66
		<i>For >500, Deduct</i>	-0.80
05 05 23 00-0487	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.01
		<i>For >100 To 250, Deduct</i>	-0.55
		<i>For >250 To 500, Deduct</i>	-0.68
		<i>For >500, Deduct</i>	-0.82



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0488	EA	1/4"	Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.25 -0.55 -0.68 -0.82	
05 05 23 00-0489	EA	1/4"	Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.37 -0.55 -0.68 -0.82	
05 05 23 00-0490			5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0491	EA	5/16"	Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.62 -0.49 -0.61 -0.74	
05 05 23 00-0492	EA	5/16"	Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.66 -0.49 -0.61 -0.74	
05 05 23 00-0493	EA	5/16"	Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.78 -0.49 -0.61 -0.74	
05 05 23 00-0494	EA	5/16"	Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.80 -0.49 -0.61 -0.74	
05 05 23 00-0495	EA	5/16"	Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.94 -0.50 -0.63 -0.76	
05 05 23 00-0496	EA	5/16"	Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.12 -0.50 -0.63 -0.76	
05 05 23 00-0497	EA	5/16"	Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.17 -0.50 -0.63 -0.76	
05 05 23 00-0498	EA	5/16"	Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.34 -0.52 -0.65 -0.78	
05 05 23 00-0499	EA	5/16"	Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.46 -0.52 -0.65 -0.78	
05 05 23 00-0500	EA	5/16"	Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.71 -0.52 -0.65 -0.78	
05 05 23 00-0501	EA	5/16"	Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.93 -0.53 -0.66 -0.80	
05 05 23 00-0502	EA	5/16"	Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.02 -0.53 -0.66 -0.80	
05 05 23 00-0503	EA	5/16"	Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.17 -0.53 -0.66 -0.80	
05 05 23 00-0504	EA	5/16"	Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.36 -0.55 -0.68 -0.82	
05 05 23 00-0505	EA	5/16"	Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.47 -0.55 -0.68 -0.82	
05 05 23 00-0506	EA	5/16"	Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.69 -0.55 -0.68 -0.82	
05 05 23 00-0507			3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0508	EA	3/8"	Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.75 -0.49 -0.61 -0.74	
05 05 23 00-0509	EA	3/8"	Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.76 -0.49 -0.61 -0.74	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	2.77	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	2.91	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.06	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.21	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.33	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.80	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.96	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.99	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.12	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.30	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.08	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.35	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.70	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.53	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0524		7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.23	
		<i>For >100 To 250, Deduct</i>	-0.56	
		<i>For >250 To 500, Deduct</i>	-0.70	
		<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.26	
		<i>For >100 To 250, Deduct</i>	-0.56	
		<i>For >250 To 500, Deduct</i>	-0.70	
		<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.48	
		<i>For >100 To 250, Deduct</i>	-0.56	
		<i>For >250 To 500, Deduct</i>	-0.70	
		<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.57	
		<i>For >100 To 250, Deduct</i>	-0.57	
		<i>For >250 To 500, Deduct</i>	-0.72	
		<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.82	
		<i>For >100 To 250, Deduct</i>	-0.57	
		<i>For >250 To 500, Deduct</i>	-0.72	
		<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0530	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.95	
		<i>For >100 To 250, Deduct</i>	-0.57	
		<i>For >250 To 500, Deduct</i>	-0.72	
		<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0531	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.05	
		<i>For >100 To 250, Deduct</i>	-0.59	
		<i>For >250 To 500, Deduct</i>	-0.74	
		<i>For >500, Deduct</i>	-0.88	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0532	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....4.60 <i>For >100 To 250, Deduct</i> -0.59 <i>For >250 To 500, Deduct</i> -0.74 <i>For >500, Deduct</i> -0.88		
05 05 23 00-0533	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....5.03 <i>For >100 To 250, Deduct</i> -0.59 <i>For >250 To 500, Deduct</i> -0.74 <i>For >500, Deduct</i> -0.88		
05 05 23 00-0534	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....5.39 <i>For >100 To 250, Deduct</i> -0.60 <i>For >250 To 500, Deduct</i> -0.75 <i>For >500, Deduct</i> -0.90		
05 05 23 00-0535	EA		7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....5.55 <i>For >100 To 250, Deduct</i> -0.60 <i>For >250 To 500, Deduct</i> -0.75 <i>For >500, Deduct</i> -0.90		
05 05 23 00-0536	EA		7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....5.77 <i>For >100 To 250, Deduct</i> -0.60 <i>For >250 To 500, Deduct</i> -0.75 <i>For >500, Deduct</i> -0.90		
05 05 23 00-0537	EA		7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....6.18 <i>For >100 To 250, Deduct</i> -0.62 <i>For >250 To 500, Deduct</i> -0.77 <i>For >500, Deduct</i> -0.92		
05 05 23 00-0538	EA		7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....6.91 <i>For >100 To 250, Deduct</i> -0.62 <i>For >250 To 500, Deduct</i> -0.77 <i>For >500, Deduct</i> -0.92		
05 05 23 00-0539	EA		7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....6.96 <i>For >100 To 250, Deduct</i> -0.62 <i>For >250 To 500, Deduct</i> -0.77 <i>For >500, Deduct</i> -0.92		
05 05 23 00-0540			1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0541	EA		1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....3.38 <i>For >100 To 250, Deduct</i> -0.56 <i>For >250 To 500, Deduct</i> -0.70 <i>For >500, Deduct</i> -0.84		
05 05 23 00-0542	EA		1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....3.54 <i>For >100 To 250, Deduct</i> -0.56 <i>For >250 To 500, Deduct</i> -0.70 <i>For >500, Deduct</i> -0.84		
05 05 23 00-0543	EA		1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....3.64 <i>For >100 To 250, Deduct</i> -0.56 <i>For >250 To 500, Deduct</i> -0.70 <i>For >500, Deduct</i> -0.84		
05 05 23 00-0544	EA		1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....3.82 <i>For >100 To 250, Deduct</i> -0.57 <i>For >250 To 500, Deduct</i> -0.72 <i>For >500, Deduct</i> -0.86		
05 05 23 00-0545	EA		1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....3.99 <i>For >100 To 250, Deduct</i> -0.57 <i>For >250 To 500, Deduct</i> -0.72 <i>For >500, Deduct</i> -0.86		
05 05 23 00-0546	EA		1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....4.39 <i>For >100 To 250, Deduct</i> -0.57 <i>For >250 To 500, Deduct</i> -0.72 <i>For >500, Deduct</i> -0.86		
05 05 23 00-0547	EA		1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....4.75 <i>For >100 To 250, Deduct</i> -0.59 <i>For >250 To 500, Deduct</i> -0.74 <i>For >500, Deduct</i> -0.88		
05 05 23 00-0548	EA		1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....4.98 <i>For >100 To 250, Deduct</i> -0.59 <i>For >250 To 500, Deduct</i> -0.74 <i>For >500, Deduct</i> -0.88		
05 05 23 00-0549	EA		1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....5.15 <i>For >100 To 250, Deduct</i> -0.59 <i>For >250 To 500, Deduct</i> -0.74 <i>For >500, Deduct</i> -0.88		
05 05 23 00-0550	EA		1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....5.51 <i>For >100 To 250, Deduct</i> -0.60 <i>For >250 To 500, Deduct</i> -0.75 <i>For >500, Deduct</i> -0.90		
05 05 23 00-0551	EA		1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....6.01 <i>For >100 To 250, Deduct</i> -0.60 <i>For >250 To 500, Deduct</i> -0.75 <i>For >500, Deduct</i> -0.90		
05 05 23 00-0552	EA		1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....6.48 <i>For >100 To 250, Deduct</i> -0.60 <i>For >250 To 500, Deduct</i> -0.75 <i>For >500, Deduct</i> -0.90		
05 05 23 00-0553	EA		1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....6.95 <i>For >100 To 250, Deduct</i> -0.62 <i>For >250 To 500, Deduct</i> -0.77 <i>For >500, Deduct</i> -0.92		

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0554	EA	1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.16
		<i>For >100 To 250, Deduct</i>	-0.62
		<i>For >250 To 500, Deduct</i>	-0.77
		<i>For >500, Deduct</i>	-0.92
05 05 23 00-0555	EA	1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.73
		<i>For >100 To 250, Deduct</i>	-0.62
		<i>For >250 To 500, Deduct</i>	-0.77
		<i>For >500, Deduct</i>	-0.92
05 05 23 00-0556	EA	1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.77
		<i>For >100 To 250, Deduct</i>	-0.63
		<i>For >250 To 500, Deduct</i>	-0.79
		<i>For >500, Deduct</i>	-0.95
05 05 23 00-0557	EA	1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.18
		<i>For >100 To 250, Deduct</i>	-0.63
		<i>For >250 To 500, Deduct</i>	-0.79
		<i>For >500, Deduct</i>	-0.95
05 05 23 00-0558	EA	1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.40
		<i>For >100 To 250, Deduct</i>	-0.63
		<i>For >250 To 500, Deduct</i>	-0.79
		<i>For >500, Deduct</i>	-0.95
05 05 23 00-0559	EA	1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.44
		<i>For >100 To 250, Deduct</i>	-0.63
		<i>For >250 To 500, Deduct</i>	-0.79
		<i>For >500, Deduct</i>	-0.95
05 05 23 00-0560		9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>	
05 05 23 00-0561	EA	9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.53
		<i>For >100 To 250, Deduct</i>	-0.56
		<i>For >250 To 500, Deduct</i>	-0.70
		<i>For >500, Deduct</i>	-0.84
05 05 23 00-0562	EA	9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.63
		<i>For >100 To 250, Deduct</i>	-0.56
		<i>For >250 To 500, Deduct</i>	-0.70
		<i>For >500, Deduct</i>	-0.84
05 05 23 00-0563	EA	9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.85
		<i>For >100 To 250, Deduct</i>	-0.56
		<i>For >250 To 500, Deduct</i>	-0.70
		<i>For >500, Deduct</i>	-0.84
05 05 23 00-0564	EA	9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.25
		<i>For >100 To 250, Deduct</i>	-0.57
		<i>For >250 To 500, Deduct</i>	-0.72
		<i>For >500, Deduct</i>	-0.86
05 05 23 00-0565	EA	9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.33
		<i>For >100 To 250, Deduct</i>	-0.57
		<i>For >250 To 500, Deduct</i>	-0.72
		<i>For >500, Deduct</i>	-0.86
05 05 23 00-0566	EA	9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.66
		<i>For >100 To 250, Deduct</i>	-0.57
		<i>For >250 To 500, Deduct</i>	-0.72
		<i>For >500, Deduct</i>	-0.86
05 05 23 00-0567	EA	9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.95
		<i>For >100 To 250, Deduct</i>	-0.59
		<i>For >250 To 500, Deduct</i>	-0.74
		<i>For >500, Deduct</i>	-0.88
05 05 23 00-0568	EA	9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.02
		<i>For >100 To 250, Deduct</i>	-0.59
		<i>For >250 To 500, Deduct</i>	-0.74
		<i>For >500, Deduct</i>	-0.88
05 05 23 00-0569	EA	9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.23
		<i>For >100 To 250, Deduct</i>	-0.59
		<i>For >250 To 500, Deduct</i>	-0.74
		<i>For >500, Deduct</i>	-0.88
05 05 23 00-0570	EA	9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.47
		<i>For >100 To 250, Deduct</i>	-0.60
		<i>For >250 To 500, Deduct</i>	-0.75
		<i>For >500, Deduct</i>	-0.90
05 05 23 00-0571	EA	9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.93
		<i>For >100 To 250, Deduct</i>	-0.60
		<i>For >250 To 500, Deduct</i>	-0.75
		<i>For >500, Deduct</i>	-0.90
05 05 23 00-0572	EA	9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.69
		<i>For >100 To 250, Deduct</i>	-0.60
		<i>For >250 To 500, Deduct</i>	-0.75
		<i>For >500, Deduct</i>	-0.90
05 05 23 00-0573	EA	9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.82
		<i>For >100 To 250, Deduct</i>	-0.62
		<i>For >250 To 500, Deduct</i>	-0.77
		<i>For >500, Deduct</i>	-0.92
05 05 23 00-0574	EA	9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.37
		<i>For >100 To 250, Deduct</i>	-0.62
		<i>For >250 To 500, Deduct</i>	-0.77
		<i>For >500, Deduct</i>	-0.92
05 05 23 00-0575	EA	9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.14
		<i>For >100 To 250, Deduct</i>	-0.62
		<i>For >250 To 500, Deduct</i>	-0.77
		<i>For >500, Deduct</i>	-0.92



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0576			5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0577	EA		5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.23	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-0.79	
			For >500, Deduct	-0.95	
05 05 23 00-0578	EA		5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.32	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-0.79	
			For >500, Deduct	-0.95	
05 05 23 00-0579	EA		5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.57	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-0.79	
			For >500, Deduct	-0.95	
05 05 23 00-0580	EA		5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.00	
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-0.81	
			For >500, Deduct	-0.97	
05 05 23 00-0581	EA		5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.30	
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-0.81	
			For >500, Deduct	-0.97	
05 05 23 00-0582	EA		5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.46	
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-0.81	
			For >500, Deduct	-0.97	
05 05 23 00-0583	EA		5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.64	
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-0.82	
			For >500, Deduct	-0.99	
05 05 23 00-0584	EA		5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.17	
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-0.82	
			For >500, Deduct	-0.99	
05 05 23 00-0585	EA		5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.40	
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-0.82	
			For >500, Deduct	-0.99	
05 05 23 00-0586	EA		5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.71	
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-0.84	
			For >500, Deduct	-1.01	
05 05 23 00-0587	EA		5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.96	
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-0.84	
			For >500, Deduct	-1.01	
05 05 23 00-0588	EA		5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.48	
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-0.84	
			For >500, Deduct	-1.01	
05 05 23 00-0589	EA		5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.79	
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-0.86	
			For >500, Deduct	-1.03	
05 05 23 00-0590	EA		5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.38	
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-0.86	
			For >500, Deduct	-1.03	
05 05 23 00-0591	EA		5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.63	
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-0.86	
			For >500, Deduct	-1.03	
05 05 23 00-0592	EA		5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.75	
			For >100 To 250, Deduct	-0.70	
			For >250 To 500, Deduct	-0.87	
			For >500, Deduct	-1.05	
05 05 23 00-0593	EA		5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.92	
			For >100 To 250, Deduct	-0.70	
			For >250 To 500, Deduct	-0.87	
			For >500, Deduct	-1.05	
05 05 23 00-0594	EA		5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.00	
			For >100 To 250, Deduct	-0.70	
			For >250 To 500, Deduct	-0.87	
			For >500, Deduct	-1.05	
05 05 23 00-0595	EA		5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.09	
			For >100 To 250, Deduct	-0.70	
			For >250 To 500, Deduct	-0.87	
			For >500, Deduct	-1.05	
05 05 23 00-0596			3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0597	EA		3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.78	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-0.79	
			For >500, Deduct	-0.95	
05 05 23 00-0598	EA		3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	4.88	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-0.79	
			For >500, Deduct	-0.95	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.96	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.18	
		<i>For >100 To 250, Deduct</i>	-0.64	
		<i>For >250 To 500, Deduct</i>	-0.81	
		<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.39	
		<i>For >100 To 250, Deduct</i>	-0.64	
		<i>For >250 To 500, Deduct</i>	-0.81	
		<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.03	
		<i>For >100 To 250, Deduct</i>	-0.64	
		<i>For >250 To 500, Deduct</i>	-0.81	
		<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.36	
		<i>For >100 To 250, Deduct</i>	-0.66	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.42	
		<i>For >100 To 250, Deduct</i>	-0.66	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.28	
		<i>For >100 To 250, Deduct</i>	-0.66	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.65	
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.10	
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.94	
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.04	
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-0.86	
		<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.49	
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-0.86	
		<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.72	
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-0.86	
		<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.90	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.72	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.30	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.52	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0616		7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.64	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.92	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0619	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.41	
		<i>For >100 To 250, Deduct</i>	-0.71	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0620	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.25	
		<i>For >100 To 250, Deduct</i>	-0.71	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0621	EA		7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....8.34		
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0622	EA		7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....8.59		
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0623	EA		7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....10.61		
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0624	EA		7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....11.12		
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0625	EA		7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....12.39		
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0626	EA		7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....13.14		
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0627	EA		7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....15.09		
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0628	EA		7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....15.81		
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0629	EA		7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....17.82		
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0630	EA		7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....18.63		
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0631	EA		7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....19.35		
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0632	EA		7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....19.58		
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0633	EA		7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....19.78		
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0634	EA		7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....20.26		
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0635			1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0636	EA		1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....7.44		
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0637	EA		1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....8.14		
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0638	EA		1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....8.52		
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0639	EA		1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....9.04		
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0640	EA		1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....10.02		
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0641	EA		1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....10.35		
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0642	EA		1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....11.19		
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500, Deduct</i>	-1.09	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0643	EA	1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.32
		<i>For >100 To 250, Deduct</i>	-0.73
		<i>For >250 To 500, Deduct</i>	-0.91
		<i>For >500, Deduct</i>	-1.09
05 05 23 00-0644	EA	1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.91
		<i>For >100 To 250, Deduct</i>	-0.74
		<i>For >250 To 500, Deduct</i>	-0.93
		<i>For >500, Deduct</i>	-1.11
05 05 23 00-0645	EA	1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.39
		<i>For >100 To 250, Deduct</i>	-0.74
		<i>For >250 To 500, Deduct</i>	-0.93
		<i>For >500, Deduct</i>	-1.11
05 05 23 00-0646	EA	1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.74
		<i>For >100 To 250, Deduct</i>	-0.74
		<i>For >250 To 500, Deduct</i>	-0.93
		<i>For >500, Deduct</i>	-1.11
05 05 23 00-0647	EA	1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.17
		<i>For >100 To 250, Deduct</i>	-0.76
		<i>For >250 To 500, Deduct</i>	-0.95
		<i>For >500, Deduct</i>	-1.13
05 05 23 00-0648	EA	1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.83
		<i>For >100 To 250, Deduct</i>	-0.76
		<i>For >250 To 500, Deduct</i>	-0.95
		<i>For >500, Deduct</i>	-1.13
05 05 23 00-0649	EA	1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.28
		<i>For >100 To 250, Deduct</i>	-0.76
		<i>For >250 To 500, Deduct</i>	-0.95
		<i>For >500, Deduct</i>	-1.13
05 05 23 00-0650	EA	1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.77
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16
05 05 23 00-0651	EA	1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.54
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16
05 05 23 00-0652	EA	1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.56
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16
05 05 23 00-0653	EA	1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.80
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0656	EA	1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.65
		<i>For >100 To 250, Deduct</i>	-0.49
		<i>For >250 To 500, Deduct</i>	-0.61
		<i>For >500, Deduct</i>	-0.74
05 05 23 00-0657	EA	1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.66
		<i>For >100 To 250, Deduct</i>	-0.49
		<i>For >250 To 500, Deduct</i>	-0.61
		<i>For >500, Deduct</i>	-0.74
05 05 23 00-0658	EA	1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.67
		<i>For >100 To 250, Deduct</i>	-0.49
		<i>For >250 To 500, Deduct</i>	-0.61
		<i>For >500, Deduct</i>	-0.74
05 05 23 00-0659	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.82
		<i>For >100 To 250, Deduct</i>	-0.49
		<i>For >250 To 500, Deduct</i>	-0.61
		<i>For >500, Deduct</i>	-0.74
05 05 23 00-0660	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.96
		<i>For >100 To 250, Deduct</i>	-0.50
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.76
05 05 23 00-0661	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.04
		<i>For >100 To 250, Deduct</i>	-0.50
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.76
05 05 23 00-0662	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.08
		<i>For >100 To 250, Deduct</i>	-0.50
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.76
05 05 23 00-0663	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.16
		<i>For >100 To 250, Deduct</i>	-0.52
		<i>For >250 To 500, Deduct</i>	-0.65
		<i>For >500, Deduct</i>	-0.78
05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.26
		<i>For >100 To 250, Deduct</i>	-0.52
		<i>For >250 To 500, Deduct</i>	-0.65
		<i>For >500, Deduct</i>	-0.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0665 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.28	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.78	
05 05 23 00-0666 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.41	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-0.80	
05 05 23 00-0667 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.50	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-0.80	
05 05 23 00-0668 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.53	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-0.80	
05 05 23 00-0669 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.69	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-0.82	
05 05 23 00-0670 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.93	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-0.82	
05 05 23 00-0671 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.24	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-0.82	
05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0673 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.59	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.61	
For >500, Deduct	-0.74	
05 05 23 00-0674 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.86	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.61	
For >500, Deduct	-0.74	
05 05 23 00-0675 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.89	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.61	
For >500, Deduct	-0.74	
05 05 23 00-0676 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.90	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.61	
For >500, Deduct	-0.74	
05 05 23 00-0677 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.09	
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.76	
05 05 23 00-0678 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.35	
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.76	
05 05 23 00-0679 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.40	
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.76	
05 05 23 00-0680 EA 5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.55	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.78	
05 05 23 00-0681 EA 5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.57	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.78	
05 05 23 00-0682 EA 5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.78	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.78	
05 05 23 00-0683 EA 5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.89	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-0.80	
05 05 23 00-0684 EA 5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.97	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-0.80	
05 05 23 00-0685 EA 5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.17	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-0.80	
05 05 23 00-0686 EA 5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.66	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-0.82	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.98	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.27	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>				
05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	2.67	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	2.74	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	2.80	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	2.97	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.61	
		<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.11	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.26	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.35	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.56	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.63	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.80	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.93	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.17	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.21	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.30	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0704	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.33	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0705	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.60	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>				
05 05 23 00-0707	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.44	
		<i>For >100 To 250, Deduct</i>	-0.56	
		<i>For >250 To 500, Deduct</i>	-0.70	
		<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0708	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	3.74	
		<i>For >100 To 250, Deduct</i>	-0.56	
		<i>For >250 To 500, Deduct</i>	-0.70	
		<i>For >500, Deduct</i>	-0.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0709	EA		7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.97	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0710	EA		7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.43	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0711	EA		7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.45	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0712	EA		7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.47	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0713	EA		7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.74	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0714	EA		7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.95	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0715	EA		7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.15	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0716	EA		7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.43	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0717	EA		7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.66	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0718			1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex		
			Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0719	EA		1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.30	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0720	EA		1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.40	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0721	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.60	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.84	
05 05 23 00-0722	EA		1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.90	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0723	EA		1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.05	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0724	EA		1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.33	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-0.86	
05 05 23 00-0725	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.45	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0726	EA		1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.55	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0727	EA		1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.78	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-0.88	
05 05 23 00-0728	EA		1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.95	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0729	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.20	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	
05 05 23 00-0730	EA		1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.22	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-0.90	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.34	
		<i>For >100 To 250, Deduct</i>	-0.62	
		<i>For >250 To 500, Deduct</i>	-0.77	
		<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.41	
		<i>For >100 To 250, Deduct</i>	-0.62	
		<i>For >250 To 500, Deduct</i>	-0.77	
		<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.60	
		<i>For >100 To 250, Deduct</i>	-0.62	
		<i>For >250 To 500, Deduct</i>	-0.77	
		<i>For >500, Deduct</i>	-0.92	
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.57	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.72	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.75	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.84	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0738		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.01	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0740	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.16	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0741	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.27	
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0742	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.50	
		<i>For >100 To 250, Deduct</i>	-0.64	
		<i>For >250 To 500, Deduct</i>	-0.81	
		<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0743	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	4.73	
		<i>For >100 To 250, Deduct</i>	-0.64	
		<i>For >250 To 500, Deduct</i>	-0.81	
		<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0744	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.23	
		<i>For >100 To 250, Deduct</i>	-0.64	
		<i>For >250 To 500, Deduct</i>	-0.81	
		<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0745	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.38	
		<i>For >100 To 250, Deduct</i>	-0.66	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0746	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.46	
		<i>For >100 To 250, Deduct</i>	-0.66	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0747	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.62	
		<i>For >100 To 250, Deduct</i>	-0.66	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0748	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.88	
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0749	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.05	
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0750	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.57	
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0751	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.67	
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-0.86	
		<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0752	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.57	
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-0.86	
		<i>For >500, Deduct</i>	-1.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0753	EA		5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.83	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0754	EA		5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.28	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0755	EA		5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.71	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0756	EA		5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.68	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0757	EA		5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.75	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0758			3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0759	EA		3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.74	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0760	EA		3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.77	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0761	EA		3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.96	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-0.95	
05 05 23 00-0762	EA		3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.44	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0763	EA		3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.14	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0764	EA		3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.59	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-0.97	
05 05 23 00-0765	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.90	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0766	EA		3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.94	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0767	EA		3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.04	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-0.99	
05 05 23 00-0768	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.16	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0769	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.76	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0770	EA		3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.00	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.01	
05 05 23 00-0771	EA		3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.56	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0772	EA		3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.64	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0773	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.88	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.03	
05 05 23 00-0774	EA		3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.31	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.05	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.56	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.71	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.78	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0778		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts		
		<small>(05 05 23 00-0654)</small>		
05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.53	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.82	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.06	
		<i>For >100 To 250, Deduct</i>	-0.71	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.56	
		<i>For >100 To 250, Deduct</i>	-0.71	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.79	
		<i>For >100 To 250, Deduct</i>	-0.71	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.15	
		<i>For >100 To 250, Deduct</i>	-0.73	
		<i>For >250 To 500, Deduct</i>	-0.91	
		<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.46	
		<i>For >100 To 250, Deduct</i>	-0.73	
		<i>For >250 To 500, Deduct</i>	-0.91	
		<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.86	
		<i>For >100 To 250, Deduct</i>	-0.73	
		<i>For >250 To 500, Deduct</i>	-0.91	
		<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.21	
		<i>For >100 To 250, Deduct</i>	-0.74	
		<i>For >250 To 500, Deduct</i>	-0.93	
		<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.52	
		<i>For >100 To 250, Deduct</i>	-0.74	
		<i>For >250 To 500, Deduct</i>	-0.93	
		<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.00	
		<i>For >100 To 250, Deduct</i>	-0.74	
		<i>For >250 To 500, Deduct</i>	-0.93	
		<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.42	
		<i>For >100 To 250, Deduct</i>	-0.76	
		<i>For >250 To 500, Deduct</i>	-0.95	
		<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.00	
		<i>For >100 To 250, Deduct</i>	-0.76	
		<i>For >250 To 500, Deduct</i>	-0.95	
		<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.13	
		<i>For >100 To 250, Deduct</i>	-0.76	
		<i>For >250 To 500, Deduct</i>	-0.95	
		<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.36	
		<i>For >100 To 250, Deduct</i>	-0.77	
		<i>For >250 To 500, Deduct</i>	-0.96	
		<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.68	
		<i>For >100 To 250, Deduct</i>	-0.77	
		<i>For >250 To 500, Deduct</i>	-0.96	
		<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.09	
		<i>For >100 To 250, Deduct</i>	-0.77	
		<i>For >250 To 500, Deduct</i>	-0.96	
		<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0796	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.46	
		<i>For >100 To 250, Deduct</i>	-0.77	
		<i>For >250 To 500, Deduct</i>	-0.96	
		<i>For >500, Deduct</i>	-1.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0797		1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>	
05 05 23 00-0798	EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.55	
	<i>For >100 To 250, Deduct</i>	-0.70	
	<i>For >250 To 500, Deduct</i>	-0.87	
	<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0799	EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.71	
	<i>For >100 To 250, Deduct</i>	-0.71	
	<i>For >250 To 500, Deduct</i>	-0.89	
	<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0800	EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.25	
	<i>For >100 To 250, Deduct</i>	-0.71	
	<i>For >250 To 500, Deduct</i>	-0.89	
	<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0801	EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.68	
	<i>For >100 To 250, Deduct</i>	-0.71	
	<i>For >250 To 500, Deduct</i>	-0.89	
	<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0802	EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.72	
	<i>For >100 To 250, Deduct</i>	-0.73	
	<i>For >250 To 500, Deduct</i>	-0.91	
	<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0803	EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.93	
	<i>For >100 To 250, Deduct</i>	-0.73	
	<i>For >250 To 500, Deduct</i>	-0.91	
	<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0804	EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.56	
	<i>For >100 To 250, Deduct</i>	-0.73	
	<i>For >250 To 500, Deduct</i>	-0.91	
	<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0805	EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.69	
	<i>For >100 To 250, Deduct</i>	-0.74	
	<i>For >250 To 500, Deduct</i>	-0.93	
	<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0806	EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.93	
	<i>For >100 To 250, Deduct</i>	-0.74	
	<i>For >250 To 500, Deduct</i>	-0.93	
	<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0807	EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.05	
	<i>For >100 To 250, Deduct</i>	-0.74	
	<i>For >250 To 500, Deduct</i>	-0.93	
	<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0808	EA 1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.53	
	<i>For >100 To 250, Deduct</i>	-0.76	
	<i>For >250 To 500, Deduct</i>	-0.95	
	<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0809	EA 1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.42	
	<i>For >100 To 250, Deduct</i>	-0.76	
	<i>For >250 To 500, Deduct</i>	-0.95	
	<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0810	EA 1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.30	
	<i>For >100 To 250, Deduct</i>	-0.76	
	<i>For >250 To 500, Deduct</i>	-0.95	
	<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0811	EA 1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.63	
	<i>For >100 To 250, Deduct</i>	-0.77	
	<i>For >250 To 500, Deduct</i>	-0.96	
	<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0812	EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.35	
	<i>For >100 To 250, Deduct</i>	-0.77	
	<i>For >250 To 500, Deduct</i>	-0.96	
	<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0813	EA 1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.89	
	<i>For >100 To 250, Deduct</i>	-0.77	
	<i>For >250 To 500, Deduct</i>	-0.96	
	<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0814	EA 1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.70	
	<i>For >100 To 250, Deduct</i>	-0.77	
	<i>For >250 To 500, Deduct</i>	-0.96	
	<i>For >500, Deduct</i>	-1.16	

05 05 23 00-0815		304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0097)</small>	
05 05 23 00-0816		1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>	
05 05 23 00-0817	EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	2.61	
	<i>For >100 To 250, Deduct</i>	-0.49	
	<i>For >250 To 500, Deduct</i>	-0.61	
	<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0818	EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	2.68	
	<i>For >100 To 250, Deduct</i>	-0.49	
	<i>For >250 To 500, Deduct</i>	-0.61	
	<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0819	EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	2.76	
	<i>For >100 To 250, Deduct</i>	-0.49	
	<i>For >250 To 500, Deduct</i>	-0.61	
	<i>For >500, Deduct</i>	-0.74	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	2.84
		<i>For >100 To 250, Deduct</i>	-0.49
		<i>For >250 To 500, Deduct</i>	-0.61
		<i>For >500, Deduct</i>	-0.74
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.00
		<i>For >100 To 250, Deduct</i>	-0.50
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.76
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.13
		<i>For >100 To 250, Deduct</i>	-0.50
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.76
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.28
		<i>For >100 To 250, Deduct</i>	-0.50
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.76
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.46
		<i>For >100 To 250, Deduct</i>	-0.52
		<i>For >250 To 500, Deduct</i>	-0.65
		<i>For >500, Deduct</i>	-0.78
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.65
		<i>For >100 To 250, Deduct</i>	-0.52
		<i>For >250 To 500, Deduct</i>	-0.65
		<i>For >500, Deduct</i>	-0.78
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.82
		<i>For >100 To 250, Deduct</i>	-0.52
		<i>For >250 To 500, Deduct</i>	-0.65
		<i>For >500, Deduct</i>	-0.78
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.02
		<i>For >100 To 250, Deduct</i>	-0.53
		<i>For >250 To 500, Deduct</i>	-0.66
		<i>For >500, Deduct</i>	-0.80
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.30
		<i>For >100 To 250, Deduct</i>	-0.53
		<i>For >250 To 500, Deduct</i>	-0.66
		<i>For >500, Deduct</i>	-0.80
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.68
		<i>For >100 To 250, Deduct</i>	-0.53
		<i>For >250 To 500, Deduct</i>	-0.66
		<i>For >500, Deduct</i>	-0.80
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.41
		<i>For >100 To 250, Deduct</i>	-0.55
		<i>For >250 To 500, Deduct</i>	-0.68
		<i>For >500, Deduct</i>	-0.82
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.57
		<i>For >100 To 250, Deduct</i>	-0.55
		<i>For >250 To 500, Deduct</i>	-0.68
		<i>For >500, Deduct</i>	-0.82
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.95
		<i>For >100 To 250, Deduct</i>	-0.55
		<i>For >250 To 500, Deduct</i>	-0.68
		<i>For >500, Deduct</i>	-0.82
05 05 23 00-0833		5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)	
05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	2.73
		<i>For >100 To 250, Deduct</i>	-0.49
		<i>For >250 To 500, Deduct</i>	-0.61
		<i>For >500, Deduct</i>	-0.74
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	2.79
		<i>For >100 To 250, Deduct</i>	-0.49
		<i>For >250 To 500, Deduct</i>	-0.61
		<i>For >500, Deduct</i>	-0.74
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	2.91
		<i>For >100 To 250, Deduct</i>	-0.49
		<i>For >250 To 500, Deduct</i>	-0.61
		<i>For >500, Deduct</i>	-0.74
05 05 23 00-0837	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.01
		<i>For >100 To 250, Deduct</i>	-0.49
		<i>For >250 To 500, Deduct</i>	-0.61
		<i>For >500, Deduct</i>	-0.74
05 05 23 00-0838	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.25
		<i>For >100 To 250, Deduct</i>	-0.50
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.76
05 05 23 00-0839	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.32
		<i>For >100 To 250, Deduct</i>	-0.50
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.76
05 05 23 00-0840	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.63
		<i>For >100 To 250, Deduct</i>	-0.50
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.76
05 05 23 00-0841	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.92
		<i>For >100 To 250, Deduct</i>	-0.52
		<i>For >250 To 500, Deduct</i>	-0.65
		<i>For >500, Deduct</i>	-0.78



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0842	EA		5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.28	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0843	EA		5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.45	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0844	EA		5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.05	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0845	EA		5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.93	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0846	EA		5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.95	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0847	EA		5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.28	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0848			3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0849	EA		3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	2.88	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0850	EA		3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	2.95	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0851	EA		3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	3.15	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0852	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	3.39	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.74	
05 05 23 00-0853	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	3.58	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0854	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	3.77	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0855	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.03	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.76	
05 05 23 00-0856	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.33	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0857	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.63	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0858	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.29	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.78	
05 05 23 00-0859	EA		3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.43	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0860	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.98	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0861	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.14	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.80	
05 05 23 00-0862	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.50	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-0.82	
05 05 23 00-0863	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.66	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-0.82	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0864 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.83	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-0.82	
05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0866 EA 7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.85	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-0.84	
05 05 23 00-0867 EA 7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.93	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-0.84	
05 05 23 00-0868 EA 7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.24	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-0.84	
05 05 23 00-0869 EA 7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.49	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.72	
For >500, Deduct	-0.86	
05 05 23 00-0870 EA 7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.87	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.72	
For >500, Deduct	-0.86	
05 05 23 00-0871 EA 7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.48	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.72	
For >500, Deduct	-0.86	
05 05 23 00-0872 EA 7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.84	
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-0.88	
05 05 23 00-0873 EA 7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.56	
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-0.88	
05 05 23 00-0874 EA 7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.88	
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-0.88	
05 05 23 00-0875 EA 7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.94	
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-0.75	
For >500, Deduct	-0.90	
05 05 23 00-0876 EA 7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.04	
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-0.75	
For >500, Deduct	-0.90	
05 05 23 00-0877 EA 7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.19	
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-0.75	
For >500, Deduct	-0.90	
05 05 23 00-0878 EA 7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.39	
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-0.92	
05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0880 EA 1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.84	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-0.84	
05 05 23 00-0881 EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	3.93	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-0.84	
05 05 23 00-0882 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.42	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-0.84	
05 05 23 00-0883 EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	4.68	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.72	
For >500, Deduct	-0.86	
05 05 23 00-0884 EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.12	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.72	
For >500, Deduct	-0.86	
05 05 23 00-0885 EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.36	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.72	
For >500, Deduct	-0.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0886	EA	1/2"	Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	5.72 -0.59 -0.74 -0.88	
05 05 23 00-0887	EA	1/2"	Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	5.93 -0.59 -0.74 -0.88	
05 05 23 00-0888	EA	1/2"	Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.09 -0.59 -0.74 -0.88	
05 05 23 00-0889	EA	1/2"	Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.48 -0.60 -0.75 -0.90	
05 05 23 00-0890	EA	1/2"	Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.00 -0.60 -0.75 -0.90	
05 05 23 00-0891	EA	1/2"	Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.59 -0.60 -0.75 -0.90	
05 05 23 00-0892	EA	1/2"	Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.53 -0.62 -0.77 -0.92	
05 05 23 00-0893	EA	1/2"	Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.89 -0.62 -0.77 -0.92	
05 05 23 00-0894	EA	1/2"	Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	10.44 -0.62 -0.77 -0.92	
05 05 23 00-0895	EA	1/2"	Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	13.23 -0.63 -0.79 -0.95	
05 05 23 00-0896	EA	1/2"	Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	13.45 -0.63 -0.79 -0.95	
05 05 23 00-0897	EA	1/2"	Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	14.99 -0.63 -0.79 -0.95	
05 05 23 00-0898	EA	1/2"	Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	16.51 -0.63 -0.79 -0.95	
05 05 23 00-0899			9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>	6.38	
05 05 23 00-0900	EA	9/16"	Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-0.56 -0.70 -0.84	
05 05 23 00-0901	EA	9/16"	Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.39 -0.56 -0.70 -0.84	
05 05 23 00-0902	EA	9/16"	Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.16 -0.56 -0.70 -0.84	
05 05 23 00-0903	EA	9/16"	Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.58 -0.57 -0.72 -0.86	
05 05 23 00-0904	EA	9/16"	Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	10.21 -0.57 -0.72 -0.86	
05 05 23 00-0905	EA	9/16"	Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	11.30 -0.57 -0.72 -0.86	
05 05 23 00-0906	EA	9/16"	Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	12.98 -0.59 -0.74 -0.88	
05 05 23 00-0907	EA	9/16"	Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	13.22 -0.59 -0.74 -0.88	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0908	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.54
		<i>For >100 To 250, Deduct</i>	-0.59
		<i>For >250 To 500, Deduct</i>	-0.74
		<i>For >500, Deduct</i>	-0.88
05 05 23 00-0909	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.69
		<i>For >100 To 250, Deduct</i>	-0.60
		<i>For >250 To 500, Deduct</i>	-0.75
		<i>For >500, Deduct</i>	-0.90
05 05 23 00-0910	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.93
		<i>For >100 To 250, Deduct</i>	-0.60
		<i>For >250 To 500, Deduct</i>	-0.75
		<i>For >500, Deduct</i>	-0.90
05 05 23 00-0911		5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0915)</small>	
05 05 23 00-0912	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.05
		<i>For >100 To 250, Deduct</i>	-0.63
		<i>For >250 To 500, Deduct</i>	-0.79
		<i>For >500, Deduct</i>	-0.95
05 05 23 00-0913	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.28
		<i>For >100 To 250, Deduct</i>	-0.63
		<i>For >250 To 500, Deduct</i>	-0.79
		<i>For >500, Deduct</i>	-0.95
05 05 23 00-0914	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.24
		<i>For >100 To 250, Deduct</i>	-0.63
		<i>For >250 To 500, Deduct</i>	-0.79
		<i>For >500, Deduct</i>	-0.95
05 05 23 00-0915	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.47
		<i>For >100 To 250, Deduct</i>	-0.64
		<i>For >250 To 500, Deduct</i>	-0.81
		<i>For >500, Deduct</i>	-0.97
05 05 23 00-0916	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.93
		<i>For >100 To 250, Deduct</i>	-0.64
		<i>For >250 To 500, Deduct</i>	-0.81
		<i>For >500, Deduct</i>	-0.97
05 05 23 00-0917	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.58
		<i>For >100 To 250, Deduct</i>	-0.64
		<i>For >250 To 500, Deduct</i>	-0.81
		<i>For >500, Deduct</i>	-0.97
05 05 23 00-0918	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.47
		<i>For >100 To 250, Deduct</i>	-0.66
		<i>For >250 To 500, Deduct</i>	-0.82
		<i>For >500, Deduct</i>	-0.99
05 05 23 00-0919	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.48
		<i>For >100 To 250, Deduct</i>	-0.66
		<i>For >250 To 500, Deduct</i>	-0.82
		<i>For >500, Deduct</i>	-0.99
05 05 23 00-0920	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.21
		<i>For >100 To 250, Deduct</i>	-0.66
		<i>For >250 To 500, Deduct</i>	-0.82
		<i>For >500, Deduct</i>	-0.99
05 05 23 00-0921	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.69
		<i>For >100 To 250, Deduct</i>	-0.67
		<i>For >250 To 500, Deduct</i>	-0.84
		<i>For >500, Deduct</i>	-1.01
05 05 23 00-0922	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.35
		<i>For >100 To 250, Deduct</i>	-0.67
		<i>For >250 To 500, Deduct</i>	-0.84
		<i>For >500, Deduct</i>	-1.01
05 05 23 00-0923	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.77
		<i>For >100 To 250, Deduct</i>	-0.67
		<i>For >250 To 500, Deduct</i>	-0.84
		<i>For >500, Deduct</i>	-1.01
05 05 23 00-0924	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.16
		<i>For >100 To 250, Deduct</i>	-0.68
		<i>For >250 To 500, Deduct</i>	-0.86
		<i>For >500, Deduct</i>	-1.03
05 05 23 00-0925	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.26
		<i>For >100 To 250, Deduct</i>	-0.68
		<i>For >250 To 500, Deduct</i>	-0.86
		<i>For >500, Deduct</i>	-1.03
05 05 23 00-0926	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.75
		<i>For >100 To 250, Deduct</i>	-0.68
		<i>For >250 To 500, Deduct</i>	-0.86
		<i>For >500, Deduct</i>	-1.03
05 05 23 00-0927	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.84
		<i>For >100 To 250, Deduct</i>	-0.70
		<i>For >250 To 500, Deduct</i>	-0.87
		<i>For >500, Deduct</i>	-1.05
05 05 23 00-0928	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.49
		<i>For >100 To 250, Deduct</i>	-0.70
		<i>For >250 To 500, Deduct</i>	-0.87
		<i>For >500, Deduct</i>	-1.05
05 05 23 00-0929	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.37
		<i>For >100 To 250, Deduct</i>	-0.70
		<i>For >250 To 500, Deduct</i>	-0.87
		<i>For >500, Deduct</i>	-1.05



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0930	EA		5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	22.55 -0.70 -0.87 -1.05	
05 05 23 00-0931			3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0932	EA		3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	6.10 -0.63 -0.79 -0.95	
05 05 23 00-0933	EA		3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	6.55 -0.63 -0.79 -0.95	
05 05 23 00-0934	EA		3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.14 -0.63 -0.79 -0.95	
05 05 23 00-0935	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.85 -0.64 -0.81 -0.97	
05 05 23 00-0936	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.51 -0.64 -0.81 -0.97	
05 05 23 00-0937	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.61 -0.64 -0.81 -0.97	
05 05 23 00-0938	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	10.33 -0.66 -0.82 -0.99	
05 05 23 00-0939	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	11.36 -0.66 -0.82 -0.99	
05 05 23 00-0940	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	12.18 -0.66 -0.82 -0.99	
05 05 23 00-0941	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	13.09 -0.67 -0.84 -1.01	
05 05 23 00-0942	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	14.04 -0.67 -0.84 -1.01	
05 05 23 00-0943	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	15.83 -0.67 -0.84 -1.01	
05 05 23 00-0944	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	20.66 -0.68 -0.86 -1.03	
05 05 23 00-0945	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	22.18 -0.68 -0.86 -1.03	
05 05 23 00-0946	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	25.43 -0.68 -0.86 -1.03	
05 05 23 00-0947	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	25.65 -0.70 -0.87 -1.05	
05 05 23 00-0948	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	26.16 -0.70 -0.87 -1.05	
05 05 23 00-0949	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	27.54 -0.70 -0.87 -1.05	
05 05 23 00-0950	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	28.61 -0.70 -0.87 -1.05	
05 05 23 00-0951			7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0952	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.26	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.38	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.32	
		<i>For >100 To 250, Deduct</i>	-0.71	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.46	
		<i>For >100 To 250, Deduct</i>	-0.71	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.83	
		<i>For >100 To 250, Deduct</i>	-0.71	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.07	
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.84	
		<i>For >100 To 250, Deduct</i>	-0.73	
		<i>For >250 To 500, Deduct</i>	-0.91	
		<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.20	
		<i>For >100 To 250, Deduct</i>	-0.73	
		<i>For >250 To 500, Deduct</i>	-0.91	
		<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.68	
		<i>For >100 To 250, Deduct</i>	-0.73	
		<i>For >250 To 500, Deduct</i>	-0.91	
		<i>For >500, Deduct</i>	-1.09	
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.12	
		<i>For >100 To 250, Deduct</i>	-0.74	
		<i>For >250 To 500, Deduct</i>	-0.93	
		<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.07	
		<i>For >100 To 250, Deduct</i>	-0.74	
		<i>For >250 To 500, Deduct</i>	-0.93	
		<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.32	
		<i>For >100 To 250, Deduct</i>	-0.74	
		<i>For >250 To 500, Deduct</i>	-0.93	
		<i>For >500, Deduct</i>	-1.11	
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.41	
		<i>For >100 To 250, Deduct</i>	-0.76	
		<i>For >250 To 500, Deduct</i>	-0.95	
		<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.76	
		<i>For >100 To 250, Deduct</i>	-0.76	
		<i>For >250 To 500, Deduct</i>	-0.95	
		<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.66	
		<i>For >100 To 250, Deduct</i>	-0.76	
		<i>For >250 To 500, Deduct</i>	-0.95	
		<i>For >500, Deduct</i>	-1.13	
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.50	
		<i>For >100 To 250, Deduct</i>	-0.77	
		<i>For >250 To 500, Deduct</i>	-0.96	
		<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.11	
		<i>For >100 To 250, Deduct</i>	-0.77	
		<i>For >250 To 500, Deduct</i>	-0.96	
		<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.25	
		<i>For >100 To 250, Deduct</i>	-0.77	
		<i>For >250 To 500, Deduct</i>	-0.96	
		<i>For >500, Deduct</i>	-1.16	
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.38	
		<i>For >100 To 250, Deduct</i>	-0.77	
		<i>For >250 To 500, Deduct</i>	-0.96	
		<i>For >500, Deduct</i>	-1.16	

05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)

05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.98	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.80	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500, Deduct</i>	-1.05	
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.10	
		<i>For >100 To 250, Deduct</i>	-0.71	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0974	EA	1"	Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	15.13 -0.71 -0.89 -1.07	
05 05 23 00-0975	EA	1"	Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	16.83 -0.71 -0.89 -1.07	
05 05 23 00-0976	EA	1"	Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	18.81 -0.73 -0.91 -1.09	
05 05 23 00-0977	EA	1"	Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	19.99 -0.73 -0.91 -1.09	
05 05 23 00-0978	EA	1"	Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	21.74 -0.73 -0.91 -1.09	
05 05 23 00-0979	EA	1"	Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	23.45 -0.74 -0.93 -1.11	
05 05 23 00-0980	EA	1"	Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	23.55 -0.74 -0.93 -1.11	
05 05 23 00-0981	EA	1"	Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	28.23 -0.74 -0.93 -1.11	
05 05 23 00-0982	EA	1"	Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	34.23 -0.76 -0.95 -1.13	
05 05 23 00-0983	EA	1"	Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	35.12 -0.76 -0.95 -1.13	
05 05 23 00-0984	EA	1"	Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	36.00 -0.76 -0.95 -1.13	
05 05 23 00-0985	EA	1"	Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	37.84 -0.77 -0.96 -1.16	
05 05 23 00-0986	EA	1"	Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	40.55 -0.77 -0.96 -1.16	
05 05 23 00-0987	EA	1"	Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	52.84 -0.77 -0.96 -1.16	
05 05 23 00-0988	EA	1"	Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	67.17 -0.77 -0.96 -1.16	
05 05 23 00-0989			316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0997)</small>		
05 05 23 00-0990			1/4" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-0991	EA	1/4"	Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.74 -0.49 -0.61 -0.74	
05 05 23 00-0992	EA	1/4"	Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.87 -0.49 -0.61 -0.74	
05 05 23 00-0993	EA	1/4"	Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2.96 -0.49 -0.61 -0.74	
05 05 23 00-0994	EA	1/4"	Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.02 -0.49 -0.61 -0.74	
05 05 23 00-0995	EA	1/4"	Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.28 -0.50 -0.63 -0.76	
05 05 23 00-0996	EA	1/4"	Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.45 -0.50 -0.63 -0.76	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0997	EA 1/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	3.61	
	For >100 To 250, Deduct	-0.50	
	For >250 To 500, Deduct	-0.63	
	For >500, Deduct	-0.76	
05 05 23 00-0998	EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	3.82	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.65	
	For >500, Deduct	-0.78	
05 05 23 00-0999	EA 1/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	3.96	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.65	
	For >500, Deduct	-0.78	
05 05 23 00-1000	EA 1/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	4.02	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.65	
	For >500, Deduct	-0.78	
05 05 23 00-1001	EA 1/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	4.51	
	For >100 To 250, Deduct	-0.53	
	For >250 To 500, Deduct	-0.66	
	For >500, Deduct	-0.80	
05 05 23 00-1002	EA 1/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	4.63	
	For >100 To 250, Deduct	-0.53	
	For >250 To 500, Deduct	-0.66	
	For >500, Deduct	-0.80	
05 05 23 00-1003	EA 1/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.94	
	For >100 To 250, Deduct	-0.53	
	For >250 To 500, Deduct	-0.66	
	For >500, Deduct	-0.80	
05 05 23 00-1004	EA 1/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	14.23	
	For >100 To 250, Deduct	-0.55	
	For >250 To 500, Deduct	-0.68	
	For >500, Deduct	-0.82	
05 05 23 00-1005	EA 1/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.73	
	For >100 To 250, Deduct	-0.55	
	For >250 To 500, Deduct	-0.68	
	For >500, Deduct	-0.82	
05 05 23 00-1006	EA 1/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	28.35	
	For >100 To 250, Deduct	-0.55	
	For >250 To 500, Deduct	-0.68	
	For >500, Deduct	-0.82	
05 05 23 00-1007	5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0988)		
05 05 23 00-1008	EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	2.91	
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.61	
	For >500, Deduct	-0.74	
05 05 23 00-1009	EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	3.06	
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.61	
	For >500, Deduct	-0.74	
05 05 23 00-1010	EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	3.30	
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.61	
	For >500, Deduct	-0.74	
05 05 23 00-1011	EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	3.49	
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.61	
	For >500, Deduct	-0.74	
05 05 23 00-1012	EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	3.64	
	For >100 To 250, Deduct	-0.50	
	For >250 To 500, Deduct	-0.63	
	For >500, Deduct	-0.76	
05 05 23 00-1013	EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	4.02	
	For >100 To 250, Deduct	-0.50	
	For >250 To 500, Deduct	-0.63	
	For >500, Deduct	-0.76	
05 05 23 00-1014	EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	4.29	
	For >100 To 250, Deduct	-0.50	
	For >250 To 500, Deduct	-0.63	
	For >500, Deduct	-0.76	
05 05 23 00-1015	EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	4.47	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.65	
	For >500, Deduct	-0.78	
05 05 23 00-1016	EA 5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.04	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.65	
	For >500, Deduct	-0.78	
05 05 23 00-1017	EA 5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	5.15	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.65	
	For >500, Deduct	-0.78	
05 05 23 00-1018	EA 5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.61	
	For >100 To 250, Deduct	-0.53	
	For >250 To 500, Deduct	-0.66	
	For >500, Deduct	-0.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1019	EA		5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	6.05 -0.53 -0.66 -0.80	
05 05 23 00-1020	EA		5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.71 -0.53 -0.66 -0.80	
05 05 23 00-1021	EA		5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	15.00 -0.55 -0.68 -0.82	
05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)					
05 05 23 00-1023	EA		3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.30 -0.49 -0.61 -0.74	
05 05 23 00-1024	EA		3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.36 -0.49 -0.61 -0.74	
05 05 23 00-1025	EA		3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.59 -0.49 -0.61 -0.74	
05 05 23 00-1026	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.14 -0.49 -0.61 -0.74	
05 05 23 00-1027	EA		3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.40 -0.50 -0.63 -0.76	
05 05 23 00-1028	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.50 -0.50 -0.63 -0.76	
05 05 23 00-1029	EA		3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.97 -0.50 -0.63 -0.76	
05 05 23 00-1030	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	5.11 -0.52 -0.65 -0.78	
05 05 23 00-1031	EA		3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	5.41 -0.52 -0.65 -0.78	
05 05 23 00-1032	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	5.62 -0.52 -0.65 -0.78	
05 05 23 00-1033	EA		3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	6.34 -0.53 -0.66 -0.80	
05 05 23 00-1034	EA		3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.14 -0.53 -0.66 -0.80	
05 05 23 00-1035	EA		3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.18 -0.53 -0.66 -0.80	
05 05 23 00-1036	EA		3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	9.30 -0.55 -0.68 -0.82	
05 05 23 00-1037	EA		3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	12.62 -0.55 -0.68 -0.82	
05 05 23 00-1038	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	16.20 -0.55 -0.68 -0.82	
05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)					
05 05 23 00-1040	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.57 -0.56 -0.70 -0.84	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1041	EA	7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	4.91	
		<i>For >100 To 250, Deduct</i>	-0.56	
		<i>For >250 To 500, Deduct</i>	-0.70	
		<i>For >500, Deduct</i>	-0.84	
05 05 23 00-1042	EA	7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	5.55	
		<i>For >100 To 250, Deduct</i>	-0.56	
		<i>For >250 To 500, Deduct</i>	-0.70	
		<i>For >500, Deduct</i>	-0.84	
05 05 23 00-1043	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.18	
		<i>For >100 To 250, Deduct</i>	-0.57	
		<i>For >250 To 500, Deduct</i>	-0.72	
		<i>For >500, Deduct</i>	-0.86	
05 05 23 00-1044	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.80	
		<i>For >100 To 250, Deduct</i>	-0.57	
		<i>For >250 To 500, Deduct</i>	-0.72	
		<i>For >500, Deduct</i>	-0.86	
05 05 23 00-1045	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.81	
		<i>For >100 To 250, Deduct</i>	-0.57	
		<i>For >250 To 500, Deduct</i>	-0.72	
		<i>For >500, Deduct</i>	-0.86	
05 05 23 00-1046	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	8.85	
		<i>For >100 To 250, Deduct</i>	-0.59	
		<i>For >250 To 500, Deduct</i>	-0.74	
		<i>For >500, Deduct</i>	-0.88	
05 05 23 00-1047	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.03	
		<i>For >100 To 250, Deduct</i>	-0.59	
		<i>For >250 To 500, Deduct</i>	-0.74	
		<i>For >500, Deduct</i>	-0.88	
05 05 23 00-1048	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	9.40	
		<i>For >100 To 250, Deduct</i>	-0.59	
		<i>For >250 To 500, Deduct</i>	-0.74	
		<i>For >500, Deduct</i>	-0.88	
05 05 23 00-1049	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.72	
		<i>For >100 To 250, Deduct</i>	-0.60	
		<i>For >250 To 500, Deduct</i>	-0.75	
		<i>For >500, Deduct</i>	-0.90	
05 05 23 00-1050	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	9.98	
		<i>For >100 To 250, Deduct</i>	-0.60	
		<i>For >250 To 500, Deduct</i>	-0.75	
		<i>For >500, Deduct</i>	-0.90	
05 05 23 00-1051	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.25	
		<i>For >100 To 250, Deduct</i>	-0.60	
		<i>For >250 To 500, Deduct</i>	-0.75	
		<i>For >500, Deduct</i>	-0.90	
05 05 23 00-1052	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	10.53	
		<i>For >100 To 250, Deduct</i>	-0.62	
		<i>For >250 To 500, Deduct</i>	-0.77	
		<i>For >500, Deduct</i>	-0.92	
05 05 23 00-1053		1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0999)		
05 05 23 00-1054	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	4.55	
		<i>For >100 To 250, Deduct</i>	-0.56	
		<i>For >250 To 500, Deduct</i>	-0.70	
		<i>For >500, Deduct</i>	-0.84	
05 05 23 00-1055	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	4.92	
		<i>For >100 To 250, Deduct</i>	-0.56	
		<i>For >250 To 500, Deduct</i>	-0.70	
		<i>For >500, Deduct</i>	-0.84	
05 05 23 00-1056	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	5.44	
		<i>For >100 To 250, Deduct</i>	-0.56	
		<i>For >250 To 500, Deduct</i>	-0.70	
		<i>For >500, Deduct</i>	-0.84	
05 05 23 00-1057	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.13	
		<i>For >100 To 250, Deduct</i>	-0.57	
		<i>For >250 To 500, Deduct</i>	-0.72	
		<i>For >500, Deduct</i>	-0.86	
05 05 23 00-1058	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.70	
		<i>For >100 To 250, Deduct</i>	-0.57	
		<i>For >250 To 500, Deduct</i>	-0.72	
		<i>For >500, Deduct</i>	-0.86	
05 05 23 00-1059	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.84	
		<i>For >100 To 250, Deduct</i>	-0.57	
		<i>For >250 To 500, Deduct</i>	-0.72	
		<i>For >500, Deduct</i>	-0.86	
05 05 23 00-1060	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	7.15	
		<i>For >100 To 250, Deduct</i>	-0.59	
		<i>For >250 To 500, Deduct</i>	-0.74	
		<i>For >500, Deduct</i>	-0.88	
05 05 23 00-1061	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.25	
		<i>For >100 To 250, Deduct</i>	-0.59	
		<i>For >250 To 500, Deduct</i>	-0.74	
		<i>For >500, Deduct</i>	-0.88	
05 05 23 00-1062	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	10.50	
		<i>For >100 To 250, Deduct</i>	-0.59	
		<i>For >250 To 500, Deduct</i>	-0.74	
		<i>For >500, Deduct</i>	-0.88	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1063	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt 10.73 <i>For >100 To 250, Deduct -0.60</i> <i>For >250 To 500, Deduct -0.75</i> <i>For >500, Deduct -0.90</i>		
05 05 23 00-1064	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt 11.09 <i>For >100 To 250, Deduct -0.60</i> <i>For >250 To 500, Deduct -0.75</i> <i>For >500, Deduct -0.90</i>		
05 05 23 00-1065	EA		1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt 13.86 <i>For >100 To 250, Deduct -0.60</i> <i>For >250 To 500, Deduct -0.75</i> <i>For >500, Deduct -0.90</i>		
05 05 23 00-1066	EA		1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt 15.78 <i>For >100 To 250, Deduct -0.62</i> <i>For >250 To 500, Deduct -0.77</i> <i>For >500, Deduct -0.92</i>		
05 05 23 00-1067	EA		1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt 16.98 <i>For >100 To 250, Deduct -0.62</i> <i>For >250 To 500, Deduct -0.77</i> <i>For >500, Deduct -0.92</i>		
05 05 23 00-1068	EA		1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt 18.97 <i>For >100 To 250, Deduct -0.62</i> <i>For >250 To 500, Deduct -0.77</i> <i>For >500, Deduct -0.92</i>		
05 05 23 00-1069	EA		1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt 24.29 <i>For >100 To 250, Deduct -0.63</i> <i>For >250 To 500, Deduct -0.79</i> <i>For >500, Deduct -0.95</i>		
05 05 23 00-1070	EA		1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt 27.68 <i>For >100 To 250, Deduct -0.63</i> <i>For >250 To 500, Deduct -0.79</i> <i>For >500, Deduct -0.95</i>		
05 05 23 00-1071	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt 28.24 <i>For >100 To 250, Deduct -0.63</i> <i>For >250 To 500, Deduct -0.79</i> <i>For >500, Deduct -0.95</i>		
05 05 23 00-1072	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt 29.10 <i>For >100 To 250, Deduct -0.63</i> <i>For >250 To 500, Deduct -0.79</i> <i>For >500, Deduct -0.95</i>		
05 05 23 00-1073			9/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small> 13.83		
05 05 23 00-1074	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt 13.83 <i>For >100 To 250, Deduct -0.56</i> <i>For >250 To 500, Deduct -0.70</i> <i>For >500, Deduct -0.84</i>		
05 05 23 00-1075	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt 15.05 <i>For >100 To 250, Deduct -0.56</i> <i>For >250 To 500, Deduct -0.70</i> <i>For >500, Deduct -0.84</i>		
05 05 23 00-1076	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt 19.13 <i>For >100 To 250, Deduct -0.56</i> <i>For >250 To 500, Deduct -0.70</i> <i>For >500, Deduct -0.84</i>		
05 05 23 00-1077	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt 21.49 <i>For >100 To 250, Deduct -0.57</i> <i>For >250 To 500, Deduct -0.72</i> <i>For >500, Deduct -0.86</i>		
05 05 23 00-1078	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt 23.90 <i>For >100 To 250, Deduct -0.57</i> <i>For >250 To 500, Deduct -0.72</i> <i>For >500, Deduct -0.86</i>		
05 05 23 00-1079	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt 26.31 <i>For >100 To 250, Deduct -0.57</i> <i>For >250 To 500, Deduct -0.72</i> <i>For >500, Deduct -0.86</i>		
05 05 23 00-1080	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt 27.88 <i>For >100 To 250, Deduct -0.59</i> <i>For >250 To 500, Deduct -0.74</i> <i>For >500, Deduct -0.88</i>		
05 05 23 00-1081	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt 29.86 <i>For >100 To 250, Deduct -0.59</i> <i>For >250 To 500, Deduct -0.74</i> <i>For >500, Deduct -0.88</i>		
05 05 23 00-1082	EA		9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt 31.63 <i>For >100 To 250, Deduct -0.59</i> <i>For >250 To 500, Deduct -0.74</i> <i>For >500, Deduct -0.88</i>		
05 05 23 00-1083	EA		9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt 32.23 <i>For >100 To 250, Deduct -0.60</i> <i>For >250 To 500, Deduct -0.75</i> <i>For >500, Deduct -0.90</i>		
05 05 23 00-1084	EA		9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt 33.78 <i>For >100 To 250, Deduct -0.60</i> <i>For >250 To 500, Deduct -0.75</i> <i>For >500, Deduct -0.90</i>		

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1085			5/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1086	EA		5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	6.79	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-0.79	
			For >500, Deduct	-0.95	
05 05 23 00-1087	EA		5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.89	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-0.79	
			For >500, Deduct	-0.95	
05 05 23 00-1088	EA		5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.93	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-0.79	
			For >500, Deduct	-0.95	
05 05 23 00-1089	EA		5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.70	
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-0.81	
			For >500, Deduct	-0.97	
05 05 23 00-1090	EA		5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	8.41	
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-0.81	
			For >500, Deduct	-0.97	
05 05 23 00-1091	EA		5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.68	
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-0.81	
			For >500, Deduct	-0.97	
05 05 23 00-1092	EA		5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	11.23	
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-0.82	
			For >500, Deduct	-0.99	
05 05 23 00-1093	EA		5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.21	
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-0.82	
			For >500, Deduct	-0.99	
05 05 23 00-1094	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	13.90	
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-0.82	
			For >500, Deduct	-0.99	
05 05 23 00-1095	EA		5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.27	
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-0.84	
			For >500, Deduct	-1.01	
05 05 23 00-1096	EA		5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	15.83	
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-0.84	
			For >500, Deduct	-1.01	
05 05 23 00-1097	EA		5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.31	
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-0.84	
			For >500, Deduct	-1.01	
05 05 23 00-1098	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	20.63	
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-0.86	
			For >500, Deduct	-1.03	
05 05 23 00-1099	EA		5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.08	
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-0.86	
			For >500, Deduct	-1.03	
05 05 23 00-1100	EA		5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	22.70	
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-0.86	
			For >500, Deduct	-1.03	
05 05 23 00-1101	EA		5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.23	
			For >100 To 250, Deduct	-0.70	
			For >250 To 500, Deduct	-0.87	
			For >500, Deduct	-1.05	
05 05 23 00-1102	EA		5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	25.61	
			For >100 To 250, Deduct	-0.70	
			For >250 To 500, Deduct	-0.87	
			For >500, Deduct	-1.05	
05 05 23 00-1103	EA		5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.18	
			For >100 To 250, Deduct	-0.70	
			For >250 To 500, Deduct	-0.87	
			For >500, Deduct	-1.05	
05 05 23 00-1104	EA		5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	39.20	
			For >100 To 250, Deduct	-0.70	
			For >250 To 500, Deduct	-0.87	
			For >500, Deduct	-1.05	
05 05 23 00-1105			3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1106	EA		3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	9.55	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-0.79	
			For >500, Deduct	-0.95	
05 05 23 00-1107	EA		3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.80	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-0.79	
			For >500, Deduct	-0.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1108	EA		3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt 10.74 <i>For >100 To 250, Deduct -0.63</i> <i>For >250 To 500, Deduct -0.79</i> <i>For >500, Deduct -0.95</i>		
05 05 23 00-1109	EA		3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt 11.64 <i>For >100 To 250, Deduct -0.64</i> <i>For >250 To 500, Deduct -0.81</i> <i>For >500, Deduct -0.97</i>		
05 05 23 00-1110	EA		3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt 13.41 <i>For >100 To 250, Deduct -0.64</i> <i>For >250 To 500, Deduct -0.81</i> <i>For >500, Deduct -0.97</i>		
05 05 23 00-1111	EA		3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt 14.43 <i>For >100 To 250, Deduct -0.64</i> <i>For >250 To 500, Deduct -0.81</i> <i>For >500, Deduct -0.97</i>		
05 05 23 00-1112	EA		3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt 16.68 <i>For >100 To 250, Deduct -0.66</i> <i>For >250 To 500, Deduct -0.82</i> <i>For >500, Deduct -0.99</i>		
05 05 23 00-1113	EA		3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt 17.58 <i>For >100 To 250, Deduct -0.66</i> <i>For >250 To 500, Deduct -0.82</i> <i>For >500, Deduct -0.99</i>		
05 05 23 00-1114	EA		3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt 18.08 <i>For >100 To 250, Deduct -0.66</i> <i>For >250 To 500, Deduct -0.82</i> <i>For >500, Deduct -0.99</i>		
05 05 23 00-1115	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt 18.80 <i>For >100 To 250, Deduct -0.67</i> <i>For >250 To 500, Deduct -0.84</i> <i>For >500, Deduct -1.01</i>		
05 05 23 00-1116	EA		3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt 19.93 <i>For >100 To 250, Deduct -0.67</i> <i>For >250 To 500, Deduct -0.84</i> <i>For >500, Deduct -1.01</i>		
05 05 23 00-1117	EA		3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt 23.41 <i>For >100 To 250, Deduct -0.67</i> <i>For >250 To 500, Deduct -0.84</i> <i>For >500, Deduct -1.01</i>		
05 05 23 00-1118	EA		3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt 28.51 <i>For >100 To 250, Deduct -0.68</i> <i>For >250 To 500, Deduct -0.86</i> <i>For >500, Deduct -1.03</i>		
05 05 23 00-1119	EA		3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt 32.43 <i>For >100 To 250, Deduct -0.68</i> <i>For >250 To 500, Deduct -0.86</i> <i>For >500, Deduct -1.03</i>		
05 05 23 00-1120	EA		3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt 33.02 <i>For >100 To 250, Deduct -0.68</i> <i>For >250 To 500, Deduct -0.86</i> <i>For >500, Deduct -1.03</i>		
05 05 23 00-1121	EA		3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt 35.45 <i>For >100 To 250, Deduct -0.70</i> <i>For >250 To 500, Deduct -0.87</i> <i>For >500, Deduct -1.05</i>		
05 05 23 00-1122	EA		3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt 41.39 <i>For >100 To 250, Deduct -0.70</i> <i>For >250 To 500, Deduct -0.87</i> <i>For >500, Deduct -1.05</i>		
05 05 23 00-1123	EA		3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt 41.89 <i>For >100 To 250, Deduct -0.70</i> <i>For >250 To 500, Deduct -0.87</i> <i>For >500, Deduct -1.05</i>		
05 05 23 00-1124	EA		3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt 43.14 <i>For >100 To 250, Deduct -0.70</i> <i>For >250 To 500, Deduct -0.87</i> <i>For >500, Deduct -1.05</i>		
05 05 23 00-1125			7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1126	EA		7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt 10.79 <i>For >100 To 250, Deduct -0.70</i> <i>For >250 To 500, Deduct -0.87</i> <i>For >500, Deduct -1.05</i>		
05 05 23 00-1127	EA		7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt 12.42 <i>For >100 To 250, Deduct -0.70</i> <i>For >250 To 500, Deduct -0.87</i> <i>For >500, Deduct -1.05</i>		
05 05 23 00-1128	EA		7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt 13.39 <i>For >100 To 250, Deduct -0.71</i> <i>For >250 To 500, Deduct -0.89</i> <i>For >500, Deduct -1.07</i>		
05 05 23 00-1129	EA		7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt 15.68 <i>For >100 To 250, Deduct -0.71</i> <i>For >250 To 500, Deduct -0.89</i> <i>For >500, Deduct -1.07</i>		

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.71
		<i>For >100 To 250, Deduct</i>	-0.71
		<i>For >250 To 500, Deduct</i>	-0.89
		<i>For >500, Deduct</i>	-1.07
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	17.68
		<i>For >100 To 250, Deduct</i>	-0.73
		<i>For >250 To 500, Deduct</i>	-0.91
		<i>For >500, Deduct</i>	-1.09
05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.06
		<i>For >100 To 250, Deduct</i>	-0.73
		<i>For >250 To 500, Deduct</i>	-0.91
		<i>For >500, Deduct</i>	-1.09
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	22.18
		<i>For >100 To 250, Deduct</i>	-0.73
		<i>For >250 To 500, Deduct</i>	-0.91
		<i>For >500, Deduct</i>	-1.09
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.33
		<i>For >100 To 250, Deduct</i>	-0.74
		<i>For >250 To 500, Deduct</i>	-0.93
		<i>For >500, Deduct</i>	-1.11
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	23.36
		<i>For >100 To 250, Deduct</i>	-0.74
		<i>For >250 To 500, Deduct</i>	-0.93
		<i>For >500, Deduct</i>	-1.11
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.08
		<i>For >100 To 250, Deduct</i>	-0.74
		<i>For >250 To 500, Deduct</i>	-0.93
		<i>For >500, Deduct</i>	-1.11
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	36.00
		<i>For >100 To 250, Deduct</i>	-0.76
		<i>For >250 To 500, Deduct</i>	-0.95
		<i>For >500, Deduct</i>	-1.13
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	40.14
		<i>For >100 To 250, Deduct</i>	-0.76
		<i>For >250 To 500, Deduct</i>	-0.95
		<i>For >500, Deduct</i>	-1.13
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	42.18
		<i>For >100 To 250, Deduct</i>	-0.76
		<i>For >250 To 500, Deduct</i>	-0.95
		<i>For >500, Deduct</i>	-1.13
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.90
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	46.67
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.43
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	50.41
		<i>For >100 To 250, Deduct</i>	-0.77
		<i>For >250 To 500, Deduct</i>	-0.96
		<i>For >500, Deduct</i>	-1.16

05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.38
		<i>For >100 To 250, Deduct</i>	-0.70
		<i>For >250 To 500, Deduct</i>	-0.87
		<i>For >500, Deduct</i>	-1.05
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.98
		<i>For >100 To 250, Deduct</i>	-0.71
		<i>For >250 To 500, Deduct</i>	-0.89
		<i>For >500, Deduct</i>	-1.07
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	18.67
		<i>For >100 To 250, Deduct</i>	-0.71
		<i>For >250 To 500, Deduct</i>	-0.89
		<i>For >500, Deduct</i>	-1.07
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.36
		<i>For >100 To 250, Deduct</i>	-0.71
		<i>For >250 To 500, Deduct</i>	-0.89
		<i>For >500, Deduct</i>	-1.07
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	22.39
		<i>For >100 To 250, Deduct</i>	-0.73
		<i>For >250 To 500, Deduct</i>	-0.91
		<i>For >500, Deduct</i>	-1.09
05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.22
		<i>For >100 To 250, Deduct</i>	-0.73
		<i>For >250 To 500, Deduct</i>	-0.91
		<i>For >500, Deduct</i>	-1.09
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	26.06
		<i>For >100 To 250, Deduct</i>	-0.73
		<i>For >250 To 500, Deduct</i>	-0.91
		<i>For >500, Deduct</i>	-1.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1152 EA 1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	27.99 -0.74 -0.93 -1.11	
05 05 23 00-1153 EA 1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	32.75 -0.74 -0.93 -1.11	
05 05 23 00-1154 EA 1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	37.45 -0.74 -0.93 -1.11	
05 05 23 00-1155 EA 1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	43.95 -0.76 -0.95 -1.13	
05 05 23 00-1156 EA 1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	49.35 -0.76 -0.95 -1.13	
05 05 23 00-1157 EA 1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	50.12 -0.76 -0.95 -1.13	
05 05 23 00-1158 EA 1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	51.96 -0.77 -0.96 -1.16	
05 05 23 00-1159 EA 1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	52.70 -0.77 -0.96 -1.16	
05 05 23 00-1160 EA 1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	61.67 -0.77 -0.96 -1.16	
05 05 23 00-1161 EA 1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	70.33 -0.77 -0.96 -1.16	
05 05 23 00-1162 Screws <small>(05 05 23)</small>		
05 05 23 00-1163 Teks® 5 Self Drilling Screws <small>(05 05 23 00-1162)</small> Note: Screws include Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1164 EA 12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1.46 -0.06 -0.12 -0.25	
05 05 23 00-1165 EA 12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1.56 -0.06 -0.13 -0.25	
05 05 23 00-1166 EA 12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1.79 -0.06 -0.14 -0.28	
05 05 23 00-1167 EA 1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	2.57 -0.08 -0.18 -0.36	
05 05 23 00-1168 EA 1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	2.77 -0.08 -0.19 -0.38	
05 05 23 00-1169 EA 1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	3.67 -0.09 -0.22 -0.44	
05 05 23 00-1170 EA 1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	4.20 -0.09 -0.24 -0.48	
05 05 23 00-1171 Security Screws <small>(05 05 23 00-1162)</small>		
05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws <small>(05 05 23 00-1171)</small> Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1173 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1.08 -0.05 -0.10 -0.20	
05 05 23 00-1174 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1.34 -0.05 -0.11 -0.22	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1175	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	1.55	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100, Deduct</i>	-0.23	
05 05 23 00-1176	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	1.63	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.12	
		<i>For >100, Deduct</i>	-0.23	
05 05 23 00-1177	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	1.77	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.12	
		<i>For >100, Deduct</i>	-0.24	
05 05 23 00-1178	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	1.39	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100, Deduct</i>	-0.22	
05 05 23 00-1179	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	1.50	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100, Deduct</i>	-0.22	
05 05 23 00-1180	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	1.71	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.12	
		<i>For >100, Deduct</i>	-0.23	
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	1.78	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.12	
		<i>For >100, Deduct</i>	-0.24	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	1.46	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100, Deduct</i>	-0.22	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	1.49	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100, Deduct</i>	-0.22	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	1.58	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100, Deduct</i>	-0.23	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	1.88	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.12	
		<i>For >100, Deduct</i>	-0.24	
05 05 23 00-1186	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	1.63	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.12	
		<i>For >100, Deduct</i>	-0.23	
05 05 23 00-1187	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	1.70	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.12	
		<i>For >100, Deduct</i>	-0.23	
05 05 23 00-1188	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	1.98	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.12	
		<i>For >100, Deduct</i>	-0.25	
05 05 23 00-1189	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	2.42	
		<i>For >10 To 50, Deduct</i>	-0.05	
		<i>For >50 To 100, Deduct</i>	-0.13	
		<i>For >100, Deduct</i>	-0.27	

05 05 23 00-1190 Threaded Rod (05 05 23)

Note: Fully threaded. See CSI section 05 05 23 00-1283 for nuts and washers.

05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod (05 05 23 00-1190)

05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.27	0.24
		<i>For Left Hand Threaded Rod, Add</i>	0.08	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.72	0.27
		<i>For Left Hand Threaded Rod, Add</i>	0.12	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.00	0.31
		<i>For Left Hand Threaded Rod, Add</i>	0.14	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.78	0.31
		<i>For Left Hand Threaded Rod, Add</i>	0.21	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.85	0.33
		<i>For Left Hand Threaded Rod, Add</i>	0.22	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.59	0.33
		<i>For Left Hand Threaded Rod, Add</i>	0.29	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.07	0.34
		<i>For Left Hand Threaded Rod, Add</i>	0.34	
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.86	0.35
		<i>For Left Hand Threaded Rod, Add</i>	0.62	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.50	0.36
		<i>For Left Hand Threaded Rod, Add</i>	0.68	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.32	0.40
		<i>For Left Hand Threaded Rod, Add</i>	0.95	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.89	0.46
		<i>For Left Hand Threaded Rod, Add</i>	1.20	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.19	0.50
		<i>For Left Hand Threaded Rod, Add</i>	1.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1204 LF 1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	21.48 2.04	0.54
05 05 23 00-1205 LF 1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	25.76 2.46	0.56
05 05 23 00-1206 LF 1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	31.68 3.05	0.59
05 05 23 00-1207 LF 2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	40.59 3.94	0.62
05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1209 LF 1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	1.28 0.08	0.24
05 05 23 00-1210 LF 5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	1.97 0.14	0.27
05 05 23 00-1211 LF 3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	2.19 0.16	0.31
05 05 23 00-1212 LF 7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	3.26 0.26	0.31
05 05 23 00-1213 LF 1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	3.53 0.29	0.33
05 05 23 00-1214 LF 9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.69 0.40	0.33
05 05 23 00-1215 LF 5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	5.00 0.43	0.34
05 05 23 00-1216 LF 3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	7.65 0.70	0.35
05 05 23 00-1217 LF 7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	10.00 0.93	0.36
05 05 23 00-1218 LF 1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	13.47 1.27	0.40
05 05 23 00-1219 LF 1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	17.45 1.65	0.46
05 05 23 00-1220 LF 1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	20.86 1.98	0.50
05 05 23 00-1221 LF 1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	23.75 2.27	0.54
05 05 23 00-1222 LF 1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	30.01 2.89	0.56
05 05 23 00-1223 LF 1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	37.28 3.61	0.59
05 05 23 00-1224 LF 2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	54.61 5.34	0.62
05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1226 LF 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	3.78 0.32	0.31
05 05 23 00-1227 LF 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	5.38 0.47	0.33
05 05 23 00-1228 LF 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	7.34 0.67	0.34
05 05 23 00-1229 LF 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	10.18 0.95	0.35
05 05 23 00-1230 LF 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	14.21 1.35	0.36
05 05 23 00-1231 LF 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	18.37 1.76	0.40
05 05 23 00-1232 LF 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	24.24 2.33	0.46
05 05 23 00-1233 LF 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	31.96 3.09	0.50
05 05 23 00-1234 LF 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	35.75 3.47	0.54
05 05 23 00-1235 LF 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	42.62 4.15	0.56
05 05 23 00-1236 LF 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	51.86 5.07	0.59
05 05 23 00-1237 LF 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	90.89 8.97	0.62
05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1239 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	1.83 0.13	0.24
05 05 23 00-1240 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	2.83 0.23	0.27
05 05 23 00-1241 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	3.66 0.30	0.31
05 05 23 00-1242 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	5.16 0.45	0.31
05 05 23 00-1243 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	6.23 0.56	0.33
05 05 23 00-1244 LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	9.06 0.84	0.33
05 05 23 00-1245 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	9.46 0.88	0.34

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1246 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	13.34	0.35
For Left Hand Threaded Rod, Add	1.26	
05 05 23 00-1247 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	18.44	0.36
For Left Hand Threaded Rod, Add	1.77	
05 05 23 00-1248 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	23.69	0.40
For Left Hand Threaded Rod, Add	2.29	
05 05 23 00-1249 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	50.40	0.50
For Left Hand Threaded Rod, Add	4.94	
05 05 23 00-1250 LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	76.90	0.56
For Left Hand Threaded Rod, Add	7.58	
05 05 23 00-1251 LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	79.10	0.59
For Left Hand Threaded Rod, Add	7.79	
05 05 23 00-1252 LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	109.59	0.62
For Left Hand Threaded Rod, Add	10.84	
05 05 23 00-1253 316 Stainless Steel Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1254 LF 1/4" Diameter, 316 Stainless Steel Threaded Rod.....	2.73	0.24
For Left Hand Threaded Rod, Add	0.22	
05 05 23 00-1255 LF 5/16" Diameter, 316 Stainless Steel Threaded Rod.....	4.49	0.27
For Left Hand Threaded Rod, Add	0.39	
05 05 23 00-1256 LF 3/8" Diameter, 316 Stainless Steel Threaded Rod.....	5.99	0.31
For Left Hand Threaded Rod, Add	0.54	
05 05 23 00-1257 LF 7/16" Diameter, 316 Stainless Steel Threaded Rod.....	9.47	0.31
For Left Hand Threaded Rod, Add	0.88	
05 05 23 00-1258 LF 1/2" Diameter, 316 Stainless Steel Threaded Rod.....	10.05	0.33
For Left Hand Threaded Rod, Add	0.94	
05 05 23 00-1259 LF 9/16" Diameter, 316 Stainless Steel Threaded Rod.....	13.25	0.33
For Left Hand Threaded Rod, Add	1.26	
05 05 23 00-1260 LF 5/8" Diameter, 316 Stainless Steel Threaded Rod.....	14.27	0.34
For Left Hand Threaded Rod, Add	1.36	
05 05 23 00-1261 LF 3/4" Diameter, 316 Stainless Steel Threaded Rod.....	20.91	0.35
For Left Hand Threaded Rod, Add	2.02	
05 05 23 00-1262 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod.....	28.72	0.36
For Left Hand Threaded Rod, Add	2.80	
05 05 23 00-1263 LF 1" Diameter, 316 Stainless Steel Threaded Rod.....	36.37	0.40
For Left Hand Threaded Rod, Add	3.56	
05 05 23 00-1264 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod.....	77.04	0.50
For Left Hand Threaded Rod, Add	7.60	
05 05 23 00-1265 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod.....	101.06	0.56
For Left Hand Threaded Rod, Add	9.99	
05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1267 LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	2.36	0.24
For Zinc Plating, Add	0.93	
05 05 23 00-1268 LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	3.74	0.27
For Zinc Plating, Add	1.60	
05 05 23 00-1269 LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	3.89	0.31
For Zinc Plating, Add	1.64	
05 05 23 00-1270 LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	4.26	0.31
For Zinc Plating, Add	1.81	
05 05 23 00-1271 LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	4.72	0.33
For Zinc Plating, Add	2.03	
05 05 23 00-1272 LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	5.96	0.33
For Zinc Plating, Add	2.65	
05 05 23 00-1273 LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	6.15	0.34
For Zinc Plating, Add	2.74	
05 05 23 00-1274 LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	8.27	0.35
For Zinc Plating, Add	3.79	
05 05 23 00-1275 LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	9.97	0.36
For Zinc Plating, Add	4.62	
05 05 23 00-1276 LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	12.98	0.40
For Zinc Plating, Add	6.08	
05 05 23 00-1277 LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	16.97	0.46
For Zinc Plating, Add	8.03	
05 05 23 00-1278 LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	18.89	0.50
For Zinc Plating, Add	8.93	
05 05 23 00-1279 LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	21.85	0.54
For Zinc Plating, Add	10.39	
05 05 23 00-1280 LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	26.66	0.56
For Zinc Plating, Add	12.77	
05 05 23 00-1281 LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	27.55	0.59
For Zinc Plating, Add	13.19	
05 05 23 00-1282 LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	37.14	0.62
For Zinc Plating, Add	17.96	
05 05 23 00-1283 Nuts And Washers (05 05 23)		
05 05 23 00-1284 Hex Nuts (05 05 23 00-1283)		
05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1286 EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.23	0.10
05 05 23 00-1287 EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.27	0.10
05 05 23 00-1288 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.29	0.10
05 05 23 00-1289 EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.36	0.10
05 05 23 00-1290 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.39	0.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1291	EA		9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.58	0.10
05 05 23 00-1292	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.60	0.10
05 05 23 00-1293	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.74	0.19
05 05 23 00-1294	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.16	0.19
05 05 23 00-1295	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.52	0.19
05 05 23 00-1296	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.62	0.19
05 05 23 00-1297	EA		1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.24	0.19
05 05 23 00-1298	EA		1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	4.92	0.19
05 05 23 00-1299	EA		1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.73	0.29
05 05 23 00-1300	EA		1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	8.56	0.29
05 05 23 00-1301	EA		2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	12.51	0.29
05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)					
05 05 23 00-1303	EA		1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.24	0.10
05 05 23 00-1304	EA		5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.27	0.10
05 05 23 00-1305	EA		3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.31	0.10
05 05 23 00-1306	EA		7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.38	0.10
05 05 23 00-1307	EA		1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.46	0.10
05 05 23 00-1308	EA		9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.60	0.10
05 05 23 00-1309	EA		5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.61	0.10
05 05 23 00-1310	EA		3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.87	0.19
05 05 23 00-1311	EA		7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.29	0.19
05 05 23 00-1312	EA		1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.89	0.19
05 05 23 00-1313	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	3.00	0.19
05 05 23 00-1314	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	4.33	0.19
05 05 23 00-1315	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	6.50	0.19
05 05 23 00-1316	EA		1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	7.21	0.29
05 05 23 00-1317	EA		1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	13.27	0.29
05 05 23 00-1318	EA		2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	19.16	0.29
05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)					
05 05 23 00-1320	EA		1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.25	0.10
05 05 23 00-1321	EA		5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.30	0.10
05 05 23 00-1322	EA		3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.34	0.10
05 05 23 00-1323	EA		7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.46	0.10
05 05 23 00-1324	EA		1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.58	0.10
05 05 23 00-1325	EA		9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.73	0.10
05 05 23 00-1326	EA		5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.85	0.10
05 05 23 00-1327	EA		3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.10	0.19
05 05 23 00-1328	EA		7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.73	0.19
05 05 23 00-1329	EA		1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	2.36	0.19
05 05 23 00-1330	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	3.82	0.19
05 05 23 00-1331	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	4.81	0.19
05 05 23 00-1332	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	8.12	0.19
05 05 23 00-1333	EA		1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	8.62	0.29
05 05 23 00-1334	EA		1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	13.31	0.29
05 05 23 00-1335	EA		2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	18.95	0.29
05 05 23 00-1336 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)					
05 05 23 00-1337	EA		1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.25	0.10
05 05 23 00-1338	EA		5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.29	0.10
05 05 23 00-1339	EA		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.32	0.10
05 05 23 00-1340	EA		7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.44	0.10
05 05 23 00-1341	EA		1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.53	0.10
05 05 23 00-1342	EA		9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.61	0.10
05 05 23 00-1343	EA		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.69	0.10
05 05 23 00-1344	EA		3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.98	0.19
05 05 23 00-1345	EA		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.50	0.19
05 05 23 00-1346	EA		1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.13	0.19
05 05 23 00-1347	EA		1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	3.68	0.19
05 05 23 00-1348	EA		1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	4.78	0.19
05 05 23 00-1349	EA		1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	7.24	0.19
05 05 23 00-1350	EA		1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	8.48	0.29
05 05 23 00-1351	EA		1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	15.04	0.29
05 05 23 00-1352	EA		2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	26.26	0.29
05 05 23 00-1353 304 Stainless Steel Hex Nuts (05 05 23 00-1284)					
05 05 23 00-1354	EA		1/4" Diameter, 304 Stainless Steel Hex Nut.....	0.30	0.10
05 05 23 00-1355	EA		5/16" Diameter, 304 Stainless Steel Hex Nut.....	0.37	0.10
05 05 23 00-1356	EA		3/8" Diameter, 304 Stainless Steel Hex Nut.....	0.43	0.10
05 05 23 00-1357	EA		7/16" Diameter, 304 Stainless Steel Hex Nut.....	0.72	0.10
05 05 23 00-1358	EA		1/2" Diameter, 304 Stainless Steel Hex Nut.....	0.78	0.10
05 05 23 00-1359	EA		9/16" Diameter, 304 Stainless Steel Hex Nut.....	1.28	0.10
05 05 23 00-1360	EA		5/8" Diameter, 304 Stainless Steel Hex Nut.....	1.44	0.10
05 05 23 00-1361	EA		3/4" Diameter, 304 Stainless Steel Hex Nut.....	1.68	0.19
05 05 23 00-1362	EA		7/8" Diameter, 304 Stainless Steel Hex Nut.....	2.88	0.19
05 05 23 00-1363	EA		1" Diameter, 304 Stainless Steel Hex Nut.....	4.50	0.19
05 05 23 00-1364	EA		1-1/4" Diameter, 304 Stainless Steel Hex Nut.....	11.11	0.19
05 05 23 00-1365	EA		1-1/2" Diameter, 304 Stainless Steel Hex Nut.....	21.61	0.29
05 05 23 00-1366	EA		1-3/4" Diameter, 304 Stainless Steel Hex Nut.....	38.24	0.29


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut.....	54.64	0.29
05 05 23 00-1368		316 Stainless Steel Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut.....	0.37	0.10
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut.....	0.44	0.10
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut.....	0.55	0.10
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut.....	1.00	0.10
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut.....	1.07	0.10
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut.....	1.53	0.10
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut.....	1.74	0.10
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut.....	2.50	0.19
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut.....	3.55	0.19
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut.....	5.56	0.19
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut.....	17.40	0.19
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut.....	28.32	0.29
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut.....	48.01	0.29
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut.....	89.55	0.29
05 05 23 00-1383		Flat Washers (05 05 23 00-1283)		
05 05 23 00-1384		Zinc Plated Steel, Low Carbon Flat Washers (05 05 23 00-1383)		
05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.03	
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.05	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.08	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.13	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.18	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.20	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.35	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.50	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.60	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.73	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.83	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.99	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.55	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.59	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.35	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.92	
05 05 23 00-1401		Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1383)		
05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.11	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.15	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.17	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.23	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.31	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.50	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.72	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.01	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.69	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.87	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.72	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.97	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.92	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	4.48	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	6.02	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.22	
05 05 23 00-1418		Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)		
05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.07	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.10	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.11	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.21	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.27	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.44	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.49	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.75	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.05	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.16	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.77	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.97	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.81	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.04	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	4.41	
05 05 23 00-1434		304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)		
05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.08	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.11	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.16	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.29	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.53	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various fastener types like Flat Washers, Lock Washers, and Steel Lock Washers with their respective quantities and costs.



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	7.06
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	8.47
05 05 23 00-1517 316 Stainless Steel Lock Washers (05 05 23 00-1467)			
05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.08
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.18
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.21
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.37
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.41
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.73
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.80
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.38
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	2.28
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer.....	3.10
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	4.33
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	6.66
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	11.92
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	13.23
05 05 23 00-1532 Load Indicating Washers (05 05 23 00-1283)			
05 05 23 00-1533 A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1532)			
05 05 23 00-1534 Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)			
05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.45
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.65
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.77
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.01
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.43
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.04
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.22
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	6.67
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	7.33
05 05 23 00-1544 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)			
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.84
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.05
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.99
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.43
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.88
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.34
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.46
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	7.78
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	8.55
05 05 23 00-1554 Beveled Washers (05 05 23 00-1283)			
05 05 23 00-1555 Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)			
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.40
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.45
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.50
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.04
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.20
05 05 23 00-1561 Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)			
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.45
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.60
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.60
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.81
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436).....	4.05
05 05 23 00-1567 Drilling In Steel Plates (05 05 23)			
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	8.10
		For Aluminum, Deduct	-0.81
		For Stainless Steel, Add	1.01
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	9.52
		For Aluminum, Deduct	-0.95
		For Stainless Steel, Add	1.19
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	11.43
		For Aluminum, Deduct	-1.14
		For Stainless Steel, Add	1.43
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	13.34
		For Aluminum, Deduct	-1.33
		For Stainless Steel, Add	1.67



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 'EA >4" To 10" Diameter Drill Through Up To 1/4" Steel Plate' and 'Welded Stud Anchors'.



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1635	1" Diameter Welded Shear Stud Connector (05 05 23 00-1611)		
05 05 23 00-1636	EA 1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	5.33	
05 05 23 00-1637	EA 1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	5.93	
05 05 23 00-1638	EA 1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	6.80	
05 05 23 00-1639	EA 1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	8.94	
05 05 23 00-1640	EA 1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	9.86	
05 05 23 00-1641	EA 1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	10.77	

05 10 Structural Metal Framing (05)

05 12 Structural Steel Framing (05 10)

05 12 23 Structural Steel For Buildings (05 12)

Note: Prices are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection. Excludes moment connection welding. See CSI section 05 12 23 00-0101 for field fabrication of additional structural metal connections, 05 12 23 00-0116 for moment connection welding.

05 12 23 00-0001	Rolled Steel Members (05 12 23)		
05 12 23 00-0002	Beams, Girders And Columns (05 12 23 00-0001)		
Note: For one and two story I beams and W shapes and HP shapes.			
05 12 23 00-0003	TON Up To 30 LB/LF Beams, Girders And Columns	5,610.29	602.58
	For ASTM A242 Type 2 High Strength Steel, Add	349.10	
	For Hot Dip Galvanizing, Add	1,221.84	
05 12 23 00-0004	TON >30-65 LB/LF Beams, Girders And Columns.....	3,996.85	389.52
	For ASTM A242 Type 2 High Strength Steel, Add	286.51	
	For Hot Dip Galvanizing, Add	1,002.77	
05 12 23 00-0005	TON >65-100 LB/LF Beams, Girders And Columns.....	3,413.18	219.13
	For ASTM A242 Type 2 High Strength Steel, Add	254.36	
	For Hot Dip Galvanizing, Add	890.24	
05 12 23 00-0006	TON >100-300 LB/LF Beams, Girders And Columns.....	2,298.18	116.64
	For ASTM A242 Type 2 High Strength Steel, Add	173.88	
	For Hot Dip Galvanizing, Add	608.59	
05 12 23 00-0007	Trusses, Built-Up (05 12 23 00-0001)		
05 12 23 00-0008	TON Built-Up Trusses, Rolled Structural Steel Members.....	4,241.74	409.80
	For ASTM A242 Type 2 High Strength Steel, Add	304.39	
	For Hot Dip Galvanizing, Add	1,065.36	
05 12 23 00-0009	Shapes (05 12 23 00-0001)		
05 12 23 00-0010	Rolled Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0011	TON Up To 10 LB/LF Rolled Shape Steel Angles.....	8,168.76	1,120.18
	For ASTM A242 Type 2 High Strength Steel, Add	504.14	
	For Hot Dip Galvanizing, Add	1,764.50	
05 12 23 00-0012	TON >10-20 LB/LF Rolled Shape Steel Angles.....	7,274.91	657.39
	For ASTM A242 Type 2 High Strength Steel, Add	482.27	
	For Hot Dip Galvanizing, Add	1,687.93	
05 12 23 00-0013	TON >20-58 LB/LF Rolled Shape Steel Angles.....	5,718.48	389.52
	For ASTM A242 Type 2 High Strength Steel, Add	424.24	
	For Hot Dip Galvanizing, Add	1,484.85	
05 12 23 00-0014	Rolled C, MC Steel Channels (05 12 23 00-0009)		
05 12 23 00-0015	TON Up To 10 LB/LF Rolled C, MC Steel Channels.....	8,775.20	1,533.89
	For ASTM A242 Type 2 High Strength Steel, Add	496.53	
	For Hot Dip Galvanizing, Add	1,737.87	
05 12 23 00-0016	TON >10-20 LB/LF Rolled C, MC Steel Channels.....	7,191.67	1,168.68
	For ASTM A242 Type 2 High Strength Steel, Add	475.61	
	For Hot Dip Galvanizing, Add	1,664.62	
05 12 23 00-0017	TON >20-58 LB/LF Rolled C, MC Steel Channels.....	5,623.35	389.52
	For ASTM A242 Type 2 High Strength Steel, Add	416.63	
	For Hot Dip Galvanizing, Add	1,458.21	
05 12 23 00-0018	Double L Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0019	TON Up To 20 LB/LF Double L Shape Steel Angles.....	7,619.80	888.78
	For ASTM A242 Type 2 High Strength Steel, Add	485.12	
	For Hot Dip Galvanizing, Add	1,697.92	
05 12 23 00-0020	TON >20-50 LB/LF Double L Shape Steel Angles.....	6,122.74	389.52
	For ASTM A242 Type 2 High Strength Steel, Add	456.58	
	For Hot Dip Galvanizing, Add	1,598.04	
05 12 23 00-0021	TON >50-80 LB/LF Double L Shape Steel Angles.....	4,633.10	219.13
	For ASTM A242 Type 2 High Strength Steel, Add	351.95	
	For Hot Dip Galvanizing, Add	1,231.82	
05 12 23 00-0022	TON >80-115 LB/LF Double L Shape Steel Angles.....	2,978.10	116.81
	For ASTM A242 Type 2 High Strength Steel, Add	228.29	
	For Hot Dip Galvanizing, Add	799.02	
05 12 23 00-0023	Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0024	TON	Up To 30 LB/LF	Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,953.87 456.58 1,598.04	657.39
05 12 23 00-0025	TON	>30-65 LB/LF	Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,779.22 349.10 1,221.83	389.52
05 12 23 00-0026	TON	>65-100 LB/LF	Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,800.79 285.36 998.77	219.13
05 12 23 00-0027	TON	>100-365 LB/LF	Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,811.84 214.97 752.41	116.64
05 12 23 00-0028			Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029			Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030	TON	Up To 30 LB/LF	Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,585.27 427.09 1,494.83	657.39
05 12 23 00-0031	TON	>30-65 LB/LF	Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,814.90 351.95 1,231.82	389.52
05 12 23 00-0032	TON	>65-100 LB/LF	Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,503.54 261.58 915.54	219.13
05 12 23 00-0033	TON	>100-300 LB/LF	Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,049.44 234.00 818.99	116.64
05 12 23 00-0034	TON	>300-500 LB/LF	Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,642.50 206.41 722.45	58.55
05 12 23 00-0035			Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036	TON	>30-65 LB/LF	Combination Section - S Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,624.65 336.73 1,178.55	389.52
05 12 23 00-0037	TON	>65-100 LB/LF	Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,515.43 262.54 918.87	219.13
05 12 23 00-0038			Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039	TON	Up To 30 LB/LF	Combination Section - Channels And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,953.87 456.58 1,598.04	657.39
05 12 23 00-0040	TON	>30-65 LB/LF	Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,052.70 370.97 1,298.41	389.52
05 12 23 00-0041	TON	>65-100 LB/LF	Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,598.66 269.19 942.18	219.13
05 12 23 00-0042			Standard Weight Pipe (05 12 23 00-0001)		
05 12 23 00-0043	TON	1/2" To 5" Diameter	Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,083.71 296.78 1,038.72	350.61
05 12 23 00-0044	TON	>5" To 12" Diameter	Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,343.68 310.10 1,085.34	438.26
05 12 23 00-0045			Structural Steel Shapes (05 12 23)		
05 12 23 00-0046			Steel Rods (05 12 23 00-0045)		
05 12 23 00-0047	TON	1/2" To 5" Diameter	Extra Strong Steel, Solid..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,429.95 331.02 1,158.58	273.94
05 12 23 00-0048	TON	>5" To 12" Diameter	Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,052.70 370.97 1,298.41	389.52
05 12 23 00-0049			Column Base Plates (05 12 23 00-0045)		
05 12 23 00-0050	LB	Column Base Plates, Up To 150 LB / Each,	A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.14 0.14 0.50	0.34
05 12 23 00-0051	LB	Column Base Plates, >150 LB / Each,	A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.02 0.14 0.47	0.29
05 12 23 00-0052	TON	Column Base Plates, Up To 150 LB Each,	A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,006.94 294.25 1,029.86	308.30

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0053 TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,857.63 212.82 744.89	184.99
05 12 23 00-0054 Double Extra Strong Pipes (05 12 23 00-0045)		
05 12 23 00-0055 TON 2" To 5" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,266.54 378.58 1,325.04	500.83
05 12 23 00-0056 TON >5" To 8" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,782.15 359.56 1,258.45	269.67
05 12 23 00-0057 Structural Pipes (05 12 23 00-0045)		
05 12 23 00-0058 TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,685.28 266.34 932.19	231.40
05 12 23 00-0059 TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,918.01 266.34 932.19	266.86
05 12 23 00-0060 Structural Tubing (05 12 23 00-0045)		
05 12 23 00-0061 Rectangle Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0062 TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,194.39 475.61 1,664.62	233.74
05 12 23 00-0063 TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,232.75 475.61 1,664.62	269.67
05 12 23 00-0064 TON 5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,424.41 409.02 1,431.58	292.17
05 12 23 00-0065 TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,130.05 380.49 1,331.70	350.61
05 12 23 00-0066 TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,814.89 351.95 1,231.82	389.52
05 12 23 00-0067 TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,974.36 351.95 1,231.82	539.05
05 12 23 00-0068 TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,254.59 359.56 1,258.45	712.60
05 12 23 00-0069 TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,372.36 363.36 1,271.77	778.40
05 12 23 00-0070 TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,476.98 363.36 1,271.77	876.51
05 12 23 00-0071 TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,458.65 359.56 1,258.45	1,841.43
05 12 23 00-0072 TON 18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,622.17 350.05 1,225.16	1,168.68
05 12 23 00-0073 TON 20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,481.31 369.07 1,291.75	2,688.72
05 12 23 00-0074 Square Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0075 TON 2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,178.82 475.61 1,664.62	219.13
05 12 23 00-0076 TON 2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,194.39 475.61 1,664.62	233.74
05 12 23 00-0077 TON 3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,543.31 418.53 1,464.87	292.17
05 12 23 00-0078 TON 3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,486.75 409.02 1,431.58	350.61
05 12 23 00-0079 TON 4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,367.46 312.00 1,091.99	438.26
05 12 23 00-0080 TON 5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,434.23 312.00 1,091.99	500.83
05 12 23 00-0081 TON 6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,647.93 312.00 1,091.99	701.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0082 TON 7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,906.26 317.71 1,111.97	876.51
05 12 23 00-0083 TON 8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,859.98 369.07 1,291.75	1,168.88
05 12 23 00-0084 TON 10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,483.28 369.07 1,291.75	1,753.02
05 12 23 00-0085 TON 12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,166.02 317.71 1,111.97	2,057.52
05 12 23 00-0086 TON 14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,386.18 361.46 1,265.11	2,688.72
05 12 23 00-0087 TON 16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	8,353.16 369.07 1,291.75	3,506.04
05 12 23 00-0088 Structural Shapes (05 12 23 00-0045)		
05 12 23 00-0089 TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF) <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >20 To 50 LB/LF, Deduct For >50 To 75 LB/LF, Deduct For >75 To 100 LB/LF, Deduct</i>	5,957.42 320.00 1,119.98 -693.62 -1,089.36 -1,485.11	1,233.21
05 12 23 00-0090 TON Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 LB per SF <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >21.5 To 50 LB/LF, Deduct</i>	4,460.90 304.40 1,065.38 -478.89	493.28
05 12 23 00-0091 LB Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	2.61	0.11
05 12 23 00-0092 LB Structural Shapes, Galvanized Pipe Supports	3.21	0.11
05 12 23 00-0093 Built-Up Trusses (05 12 23 00-0045)		
05 12 23 00-0094 TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	5,026.29	175.30
05 12 23 00-0095 TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	4,990.74	97.35
05 12 23 00-0096 TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	4,454.35	51.54
05 12 23 00-0097 TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up	4,332.40	48.74
05 12 23 00-0098 Accessories For Steel (05 12 23)		
05 12 23 00-0099 Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0098)		
05 12 23 00-0100 SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	0.55	
05 12 23 00-0101 Connection And Stiffener Plates (05 12 23 00-0098)		
Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0102 TON 1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates	10,984.47	
05 12 23 00-0103 TON 3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates	9,371.91	
05 12 23 00-0104 TON 1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates	7,247.49	
05 12 23 00-0105 TON 5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates	7,247.49	
05 12 23 00-0106 TON 3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates	7,247.49	
05 12 23 00-0107 TON 1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates	7,247.49	
05 12 23 00-0108 TON 9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates	7,247.49	
05 12 23 00-0109 TON 5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates	7,247.49	
05 12 23 00-0110 TON 3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates	6,794.52	
05 12 23 00-0111 TON 7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates	6,794.52	
05 12 23 00-0112 TON 1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates	6,794.52	
05 12 23 00-0113 Spot Welding (05 12 23 00-0098)		
See CSI section 05 12 23 00-0116 for a series of welds.		
05 12 23 00-0114 EA Up To 15 Spot Weldings, Welds Up To 1" Length Each <i>For Aluminum Welding, Add For Stainless Steel Welding, Add</i>	5.52 0.85 1.40	
05 12 23 00-0115 EA >15 Spot Weldings, Welds Up To 1" Length Each <i>For Aluminum Welding, Add For Stainless Steel Welding, Add</i>	4.59 0.89 1.40	
05 12 23 00-0116 Field Welding (Seam And Stitch Welding) (05 12 23 00-0098)		
05 12 23 00-0117 Vertical Fillet Welds (05 12 23 00-0116)		
Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0118 LF 3/16" Vertical Fillet Weld <i>For Aluminum Welding, Add For Stainless Steel Welding, Add For Up To 25, Add For >25 To 50, Add</i>	5.90 1.05 1.68 2.00 1.42	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0119	LF	1/4"	Vertical Fillet Weld.....	8.86
			<i>For Aluminum Welding, Add</i>	1.58
			<i>For Stainless Steel Welding, Add</i>	2.52
			<i>For Up To 25, Add</i>	3.00
			<i>For >25 To 50, Add</i>	2.13
05 12 23 00-0120	LF	5/16"	Vertical Fillet Weld.....	11.81
			<i>For Aluminum Welding, Add</i>	2.10
			<i>For Stainless Steel Welding, Add</i>	3.37
			<i>For Up To 25, Add</i>	4.00
			<i>For >25 To 50, Add</i>	2.84
05 12 23 00-0121	LF	3/8"	Vertical Fillet Weld.....	14.76
			<i>For Aluminum Welding, Add</i>	2.62
			<i>For Stainless Steel Welding, Add</i>	4.20
			<i>For Up To 25, Add</i>	5.00
			<i>For >25 To 50, Add</i>	3.55
05 12 23 00-0122	LF	7/16"	Vertical Fillet Weld.....	17.44
			<i>For Aluminum Welding, Add</i>	2.94
			<i>For Stainless Steel Welding, Add</i>	4.77
			<i>For Up To 25, Add</i>	5.97
			<i>For >25 To 50, Add</i>	4.25
05 12 23 00-0123	LF	1/2"	Vertical Fillet Weld.....	20.45
			<i>For Aluminum Welding, Add</i>	3.64
			<i>For Stainless Steel Welding, Add</i>	5.83
			<i>For Up To 25, Add</i>	6.92
			<i>For >25 To 50, Add</i>	4.92
05 12 23 00-0124	LF	9/16"	Vertical Fillet Weld.....	23.89
			<i>For Aluminum Welding, Add</i>	4.09
			<i>For Stainless Steel Welding, Add</i>	6.61
			<i>For Up To 25, Add</i>	8.15
			<i>For >25 To 50, Add</i>	5.80
05 12 23 00-0125	LF	5/8"	Vertical Fillet Weld.....	26.36
			<i>For Aluminum Welding, Add</i>	4.56
			<i>For Stainless Steel Welding, Add</i>	7.35
			<i>For Up To 25, Add</i>	8.97
			<i>For >25 To 50, Add</i>	6.39
05 12 23 00-0126	LF	3/4"	Vertical Fillet Weld.....	36.35
			<i>For Aluminum Welding, Add</i>	6.49
			<i>For Stainless Steel Welding, Add</i>	10.39
			<i>For Up To 25, Add</i>	12.29
			<i>For >25 To 50, Add</i>	8.74
05 12 23 00-0127	LF	7/8"	Vertical Fillet Weld.....	47.85
			<i>For Aluminum Welding, Add</i>	8.34
			<i>For Stainless Steel Welding, Add</i>	13.41
			<i>For Up To 25, Add</i>	16.27
			<i>For >25 To 50, Add</i>	11.58
05 12 23 00-0128	LF	1"	Vertical Fillet Weld.....	66.60
			<i>For Aluminum Welding, Add</i>	11.93
			<i>For Stainless Steel Welding, Add</i>	19.08
			<i>For Up To 25, Add</i>	22.50
			<i>For >25 To 50, Add</i>	16.00

05 12 23 00-0129 Horizontal Or Flat Fillet Welds (05 12 23 00-0116)

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 12 23 00-0130	LF	1/8"	Horizontal Or Flat Fillet Weld.....	3.39
			<i>For Aluminum Welding, Add</i>	0.64
			<i>For Stainless Steel Welding, Add</i>	1.01
			<i>For Up To 25, Add</i>	1.13
			<i>For >25 To 50, Add</i>	0.80
05 12 23 00-0131	LF	3/16"	Horizontal Or Flat Fillet Weld.....	4.50
			<i>For Aluminum Welding, Add</i>	0.84
			<i>For Stainless Steel Welding, Add</i>	1.34
			<i>For Up To 25, Add</i>	1.51
			<i>For >25 To 50, Add</i>	1.07
05 12 23 00-0132	LF	1/4"	Horizontal Or Flat Fillet Weld.....	6.77
			<i>For Aluminum Welding, Add</i>	1.27
			<i>For Stainless Steel Welding, Add</i>	2.02
			<i>For Up To 25, Add</i>	2.26
			<i>For >25 To 50, Add</i>	1.61
05 12 23 00-0133	LF	5/16"	Horizontal Or Flat Fillet Weld.....	9.03
			<i>For Aluminum Welding, Add</i>	1.70
			<i>For Stainless Steel Welding, Add</i>	2.69
			<i>For Up To 25, Add</i>	3.02
			<i>For >25 To 50, Add</i>	2.14
05 12 23 00-0134	LF	3/8"	Horizontal Or Flat Fillet Weld.....	11.27
			<i>For Aluminum Welding, Add</i>	2.12
			<i>For Stainless Steel Welding, Add</i>	3.35
			<i>For Up To 25, Add</i>	3.77
			<i>For >25 To 50, Add</i>	2.68
05 12 23 00-0135	LF	7/16"	Horizontal Or Flat Fillet Weld.....	12.92
			<i>For Aluminum Welding, Add</i>	2.28
			<i>For Stainless Steel Welding, Add</i>	3.66
			<i>For Up To 25, Add</i>	4.38
			<i>For >25 To 50, Add</i>	3.12
05 12 23 00-0136	LF	1/2"	Horizontal Or Flat Fillet Weld.....	15.90
			<i>For Aluminum Welding, Add</i>	2.98
			<i>For Stainless Steel Welding, Add</i>	4.72
			<i>For Up To 25, Add</i>	5.32
			<i>For >25 To 50, Add</i>	3.78



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0137	LF		9/16" Horizontal Or Flat Fillet Weld.....	17.81	
			For Aluminum Welding, Add	3.22	
			For Stainless Steel Welding, Add	5.14	
			For Up To 25, Add	6.01	
			For >25 To 50, Add	4.27	
05 12 23 00-0138	LF		5/8" Horizontal Or Flat Fillet Weld.....	21.43	
			For Aluminum Welding, Add	3.92	
			For Stainless Steel Welding, Add	6.24	
			For Up To 25, Add	7.21	
			For >25 To 50, Add	5.12	
05 12 23 00-0139	LF		3/4" Horizontal Or Flat Fillet Weld.....	27.17	
			For Aluminum Welding, Add	5.17	
			For Stainless Steel Welding, Add	8.16	
			For Up To 25, Add	9.05	
			For >25 To 50, Add	6.43	
05 12 23 00-0140	LF		7/8" Horizontal Or Flat Fillet Weld.....	40.67	
			For Aluminum Welding, Add	7.18	
			For Stainless Steel Welding, Add	11.52	
			For Up To 25, Add	13.78	
			For >25 To 50, Add	9.81	
05 12 23 00-0141	LF		1" Horizontal Or Flat Fillet Weld.....	54.08	
			For Aluminum Welding, Add	10.15	
			For Stainless Steel Welding, Add	16.06	
			For Up To 25, Add	18.08	
			For >25 To 50, Add	12.84	
05 12 23 00-0142			Cold Galvanizing (05 12 23 00-0098)		
05 12 23 00-0143	SF		Brush Applied Cold Galvanizing	1.07	
05 12 23 00-0144			Metal Grinding (05 12 23 00-0098)		
			Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0145	SI		Metal Grinding Up To 1/32" Thickness To Be Removed.....	0.39	
			Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0146			Structural Steel For Buildings And Structures (05 12 23)		
05 12 23 00-0147			First Tier A992/A36 Structural Steel Columns, W Shapes (05 12 23 00-0146)		
			Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0148	LF		W14 x 730 A992/A36 Structural Column	1,017.38	34.21
			For High Strength Low Alloy A572-50 Steel, Add	91.56	
			For High Strength Low Alloy A588 Grade B Steel, Add	203.48	
05 12 23 00-0149	LF		W14 x 665 A992/A36 Structural Column	927.55	31.88
			For High Strength Low Alloy A572-50 Steel, Add	83.48	
			For High Strength Low Alloy A588 Grade B Steel, Add	185.51	
05 12 23 00-0150	LF		W14 x 605 A992/A36 Structural Column	844.59	29.67
			For High Strength Low Alloy A572-50 Steel, Add	76.01	
			For High Strength Low Alloy A588 Grade B Steel, Add	168.92	
05 12 23 00-0151	LF		W14 x 550 A992/A36 Structural Column	768.48	27.60
			For High Strength Low Alloy A572-50 Steel, Add	69.16	
			For High Strength Low Alloy A588 Grade B Steel, Add	153.70	
05 12 23 00-0152	LF		W14 x 500 A992/A36 Structural Column	704.29	30.39
			For High Strength Low Alloy A572-50 Steel, Add	63.39	
			For High Strength Low Alloy A588 Grade B Steel, Add	140.86	
05 12 23 00-0153	LF		W14 x 426 A992/A36 Structural Column	600.69	26.53
			For High Strength Low Alloy A572-50 Steel, Add	54.06	
			For High Strength Low Alloy A588 Grade B Steel, Add	120.14	
05 12 23 00-0154	LF		W14 x 342 A992/A36 Structural Column	485.16	22.96
			For High Strength Low Alloy A572-50 Steel, Add	43.66	
			For High Strength Low Alloy A588 Grade B Steel, Add	97.03	
05 12 23 00-0155	LF		W14 x 311 A992/A36 Structural Column	436.68	21.44
			For High Strength Low Alloy A572-50 Steel, Add	39.30	
			For High Strength Low Alloy A588 Grade B Steel, Add	87.34	
05 12 23 00-0156	LF		W14 x 283 A992/A36 Structural Column	396.07	20.22
			For High Strength Low Alloy A572-50 Steel, Add	35.65	
			For High Strength Low Alloy A588 Grade B Steel, Add	79.21	
05 12 23 00-0157	LF		W14 x 257 A992/A36 Structural Column	347.60	19.16
			For High Strength Low Alloy A572-50 Steel, Add	31.28	
			For High Strength Low Alloy A588 Grade B Steel, Add	69.52	
05 12 23 00-0158	LF		W14 x 233 A992/A36 Structural Column	319.82	17.82
			For High Strength Low Alloy A572-50 Steel, Add	28.78	
			For High Strength Low Alloy A588 Grade B Steel, Add	63.96	
05 12 23 00-0159	LF		W14 x 211 A992/A36 Structural Column	284.18	16.59
			For High Strength Low Alloy A572-50 Steel, Add	25.58	
			For High Strength Low Alloy A588 Grade B Steel, Add	56.84	
05 12 23 00-0160	LF		W14 x 193 A992/A36 Structural Column	256.74	15.78
			For High Strength Low Alloy A572-50 Steel, Add	23.11	
			For High Strength Low Alloy A588 Grade B Steel, Add	51.35	
05 12 23 00-0161	LF		W14 x 176 A992/A36 Structural Column	231.08	15.07
			For High Strength Low Alloy A572-50 Steel, Add	20.80	
			For High Strength Low Alloy A588 Grade B Steel, Add	46.22	
05 12 23 00-0162	LF		W14 x 159 A992/A36 Structural Column	208.60	14.55
			For High Strength Low Alloy A572-50 Steel, Add	18.77	
			For High Strength Low Alloy A588 Grade B Steel, Add	41.72	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0163	LF		W14 x 145 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	201.57 18.14 40.31	14.08
05 12 23 00-0164	LF		W14 x 132 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	171.84 15.47 34.37	13.44
05 12 23 00-0165	LF		W14 x 120 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	160.93 14.48 32.19	13.09
05 12 23 00-0166	LF		W14 x 109 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	143.79 12.94 28.76	12.56
05 12 23 00-0167	LF		W14 x 99 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	130.92 11.78 26.18	12.21
05 12 23 00-0168	LF		W14 x 90 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	121.42 10.93 24.28	11.93
05 12 23 00-0169	LF		W14 x 82 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	111.61 10.04 22.32	11.57
05 12 23 00-0170	LF		W14 x 74 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	100.47 9.04 20.09	11.28
05 12 23 00-0171	LF		W14 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	93.63 8.43 18.73	11.10
05 12 23 00-0172	LF		W14 x 61 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.11 7.66 17.02	10.81
05 12 23 00-0173	LF		W14 x 53 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.26 6.95 15.45	10.52
05 12 23 00-0174	LF		W14 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	72.19 6.50 14.44	10.34
05 12 23 00-0175	LF		W14 x 43 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	64.84 5.84 12.97	10.17
05 12 23 00-0176	LF		W12 x 336 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	464.10 41.77 92.82	15.23
05 12 23 00-0177	LF		W12 x 305 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	422.46 38.02 84.49	14.93
05 12 23 00-0178	LF		W12 x 279 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	387.60 34.88 77.52	14.75
05 12 23 00-0179	LF		W12 x 252 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	351.22 31.61 70.24	14.38
05 12 23 00-0180	LF		W12 x 230 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	321.68 28.95 64.34	14.17
05 12 23 00-0181	LF		W12 x 210 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	294.81 26.53 58.96	13.98
05 12 23 00-0182	LF		W12 x 190 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	270.49 24.34 54.10	16.13
05 12 23 00-0183	LF		W12 x 170 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	244.05 21.96 48.81	15.66
05 12 23 00-0184	LF		W12 x 152 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	219.83 19.78 43.97	14.55
05 12 23 00-0185	LF		W12 x 136 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	208.84 18.80 41.77	14.14
05 12 23 00-0186	LF		W12 x 120 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	157.21 14.15 31.44	12.97
05 12 23 00-0187	LF		W12 x 106 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	144.68 13.02 28.94	12.56
05 12 23 00-0188	LF		W12 x 96 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	129.10 11.62 25.82	12.16
05 12 23 00-0189	LF		W12 x 87 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	118.84 10.70 23.77	11.75
05 12 23 00-0190	LF		W12 x 79 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	103.88 9.35 20.78	11.40
05 12 23 00-0191	LF		W12 x 72 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	94.80 8.53 18.96	11.10
05 12 23 00-0192	LF		W12 x 65 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.39 7.78 17.28	10.87



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0193	LF		W12 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	83.49 7.51 16.70	10.75
05 12 23 00-0194	LF		W12 x 53 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.26 6.95 15.45	10.52
05 12 23 00-0195	LF		W12 x 50 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.75 6.73 14.95	10.46
05 12 23 00-0196	LF		W12 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.63 6.09 13.53	10.23
05 12 23 00-0197	LF		W12 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	60.27 5.42 12.05	9.99
05 12 23 00-0198	LF		W10 x 112 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	151.47 13.63 30.29	12.79
05 12 23 00-0199	LF		W10 x 110 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	136.71 12.30 27.34	12.27
05 12 23 00-0200	LF		W10 x 88 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	122.57 11.03 24.51	11.86
05 12 23 00-0201	LF		W10 x 77 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	108.66 9.78 21.73	11.40
05 12 23 00-0202	LF		W10 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	97.52 8.78 19.50	11.10
05 12 23 00-0203	LF		W10 x 60 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.11 7.66 17.02	10.81
05 12 23 00-0204	LF		W10 x 54 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.55 7.61 16.91	10.64
05 12 23 00-0205	LF		W10 x 49 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	73.80 6.64 14.76	10.46
05 12 23 00-0206	LF		W10 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	71.13 6.40 14.23	10.29
05 12 23 00-0207	LF		W10 x 39 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	61.44 5.53 12.29	10.11
05 12 23 00-0208	LF		W10 x 33 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	53.15 4.78 10.63	9.81
05 12 23 00-0209	LF		W8 x 67 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	93.74 8.44 18.75	11.10
05 12 23 00-0210	LF		W8 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	83.82 7.54 16.76	10.75
05 12 23 00-0211	LF		W8 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.69 6.72 14.94	10.46
05 12 23 00-0212	LF		W8 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	63.62 5.73 12.72	10.17
05 12 23 00-0213	LF		W8 x 35 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	57.15 5.14 11.43	9.93
05 12 23 00-0214	LF		W8 x 31 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.93 4.67 10.39	9.81
05 12 23 00-0215	LF		W8 x 28 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	48.69 4.38 9.74	9.70
05 12 23 00-0216	LF		W8 x 24 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	44.80 4.03 8.96	9.58
05 12 23 00-0217	LF		W8 x 21 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.24 3.80 8.45	9.53
05 12 23 00-0218	LF		W8 x 18 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.34 3.36 7.47	9.35
05 12 23 00-0219	LF		W6 x 25 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	47.25 4.25 9.45	9.58
05 12 23 00-0220	LF		W6 x 20 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.41 3.55 7.88	9.41
05 12 23 00-0221	LF		W6 x 15 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.33 3.00 6.67	9.12
05 12 23 00-0222	LF		W6 x 12 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.99 2.79 6.20	9.12

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0223	LF		W6 x 9 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.04 2.52 5.61	9.05
05 12 23 00-0224	LF		W5 x 19 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.74 3.49 7.75	9.41
05 12 23 00-0225	LF		W5 x 16 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	35.39 3.19 7.08	9.35
05 12 23 00-0226	LF		W4 x 13 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.93 2.96 6.59	9.23
05 12 23 00-0227 A992/A36 Structural Steel Beams And Girders, W Shapes (05 12 23 00-0146)					
Note: Includes material delivery and erection.					
05 12 23 00-0228	LF		W36 x 300 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	325.48 29.29 65.10 2.86 -107.92 39.06 79.95	37.46
05 12 23 00-0229	LF		W36 x 280 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	313.23 28.19 62.65 2.66 -102.62 37.59 74.61	43.83
05 12 23 00-0230	LF		W36 x 260 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	296.08 26.65 59.22 2.50 -96.70 35.53 69.98	43.30
05 12 23 00-0231	LF		W36 x 240 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	275.85 24.83 55.17 2.37 -90.77 33.10 66.46	36.11
05 12 23 00-0232	LF		W36 x 230 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	266.50 23.99 53.30 2.27 -87.42 31.98 63.69	36.61
05 12 23 00-0233	LF		W36 x 210 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	252.37 22.71 50.47 2.08 -81.62 30.28 58.15	41.89
05 12 23 00-0234	LF		W36 x 194 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	237.93 21.41 47.59 2.01 -77.67 28.55 56.16	35.02
05 12 23 00-0235	LF		W36 x 182 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	225.25 20.27 45.05 1.88 -73.28 27.03 52.69	34.76
05 12 23 00-0236	LF		W36 x 170 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	212.41 19.12 42.48 1.76 -68.85 25.49 49.21	34.36
05 12 23 00-0237	LF		W36 x 160 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	208.67 18.78 41.73 1.65 -66.55 25.04 46.32	40.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0238	LF		W36 x 150 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	199.70 17.97 39.94 1.57 -63.45 23.96 43.89	40.27
05 12 23 00-0239	LF		W36 x 135 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	187.18 16.85 37.44 1.45 -59.13 22.46 40.50	39.91
05 12 23 00-0240	LF		W33 x 241 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	279.12 25.12 55.82 2.39 -91.73 33.49 67.03	37.24
05 12 23 00-0241	LF		W33 x 221 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	258.28 23.25 51.66 2.20 -84.59 30.99 61.47	36.33
05 12 23 00-0242	LF		W33 x 201 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	244.08 21.97 48.82 2.00 -78.77 29.29 55.91	41.61
05 12 23 00-0243	LF		W33 x 170 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	218.29 19.65 43.66 1.75 -69.87 26.19 48.93	40.85
05 12 23 00-0244	LF		W33 x 152 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	198.09 17.83 39.62 1.62 -63.85 23.77 45.23	34.26
05 12 23 00-0245	LF		W33 x 141 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	192.58 17.33 38.52 1.50 -61.00 23.11 41.96	40.02
05 12 23 00-0246	LF		W33 x 130 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	182.45 16.42 36.49 1.40 -57.50 21.89 39.22	39.74
05 12 23 00-0247	LF		W33 x 118 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	170.64 15.36 34.13 1.29 -53.42 20.48 36.02	39.39
05 12 23 00-0248	LF		W30 x 211 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	247.22 22.25 49.44 2.09 -80.73 29.67 58.39	36.26
05 12 23 00-0249	LF		W30 x 191 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	232.89 20.96 46.58 1.89 -74.89 27.95 52.86	41.31
05 12 23 00-0250	LF		W30 x 173 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	213.13 19.18 42.63 1.76 -69.06 25.58 49.34	34.60

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0251	LF	W30 x 154 A992/A36 Structural Beam Or Girder.....	199.87	40.32
		For High Strength Low Alloy A572-50 Steel, Add	17.99	
		For High Strength Low Alloy A588 Steel, Add	39.97	
		For Each Additional Top Copes >2, Add	1.57	
		For Structural Tees, WT, MT Or ST, Deduct	-63.50	
		For Skewed Or Sloped Connections, Add	23.98	
		For Hot Dip Galvanizing, Add	43.92	
05 12 23 00-0252	LF	W30 x 132 A992/A36 Structural Beam Or Girder.....	177.80	33.39
		For High Strength Low Alloy A572-50 Steel, Add	16.00	
		For High Strength Low Alloy A588 Steel, Add	35.56	
		For Each Additional Top Copes >2, Add	1.42	
		For Structural Tees, WT, MT Or ST, Deduct	-56.89	
		For Skewed Or Sloped Connections, Add	21.34	
		For Hot Dip Galvanizing, Add	39.81	
05 12 23 00-0253	LF	W30 x 124 A992/A36 Structural Beam Or Girder.....	169.17	33.37
		For High Strength Low Alloy A572-50 Steel, Add	15.23	
		For High Strength Low Alloy A588 Steel, Add	33.83	
		For Each Additional Top Copes >2, Add	1.34	
		For Structural Tees, WT, MT Or ST, Deduct	-53.87	
		For Skewed Or Sloped Connections, Add	20.30	
		For Hot Dip Galvanizing, Add	37.40	
05 12 23 00-0254	LF	W30 x 116 A992/A36 Structural Beam Or Girder.....	166.92	39.33
		For High Strength Low Alloy A572-50 Steel, Add	15.02	
		For High Strength Low Alloy A588 Steel, Add	33.38	
		For Each Additional Top Copes >2, Add	1.25	
		For Structural Tees, WT, MT Or ST, Deduct	-52.13	
		For Skewed Or Sloped Connections, Add	20.03	
		For Hot Dip Galvanizing, Add	34.99	
05 12 23 00-0255	LF	W30 x 108 A992/A36 Structural Beam Or Girder.....	154.70	35.41
		For High Strength Low Alloy A572-50 Steel, Add	13.92	
		For High Strength Low Alloy A588 Steel, Add	30.94	
		For Each Additional Top Copes >2, Add	1.17	
		For Structural Tees, WT, MT Or ST, Deduct	-48.48	
		For Skewed Or Sloped Connections, Add	18.56	
		For Hot Dip Galvanizing, Add	32.75	
05 12 23 00-0256	LF	W30 x 99 A992/A36 Structural Beam Or Girder.....	147.47	35.24
		For High Strength Low Alloy A572-50 Steel, Add	13.27	
		For High Strength Low Alloy A588 Steel, Add	29.49	
		For Each Additional Top Copes >2, Add	1.10	
		For Structural Tees, WT, MT Or ST, Deduct	-45.99	
		For Skewed Or Sloped Connections, Add	17.70	
		For Hot Dip Galvanizing, Add	30.79	
05 12 23 00-0257	LF	W27 x 178 A992/A36 Structural Beam Or Girder.....	236.26	40.52
		For High Strength Low Alloy A572-50 Steel, Add	21.26	
		For High Strength Low Alloy A588 Steel, Add	47.25	
		For Each Additional Top Copes >2, Add	1.93	
		For Structural Tees, WT, MT Or ST, Deduct	-76.21	
		For Skewed Or Sloped Connections, Add	28.35	
		For Hot Dip Galvanizing, Add	54.05	
05 12 23 00-0258	LF	W27 x 161 A992/A36 Structural Beam Or Girder.....	216.18	38.98
		For High Strength Low Alloy A572-50 Steel, Add	19.46	
		For High Strength Low Alloy A588 Steel, Add	43.24	
		For Each Additional Top Copes >2, Add	1.75	
		For Structural Tees, WT, MT Or ST, Deduct	-69.43	
		For Skewed Or Sloped Connections, Add	25.94	
		For Hot Dip Galvanizing, Add	48.89	
05 12 23 00-0259	LF	W27 x 146 A992/A36 Structural Beam Or Girder.....	198.44	37.60
		For High Strength Low Alloy A572-50 Steel, Add	17.86	
		For High Strength Low Alloy A588 Steel, Add	39.69	
		For Each Additional Top Copes >2, Add	1.58	
		For Structural Tees, WT, MT Or ST, Deduct	-63.44	
		For Skewed Or Sloped Connections, Add	23.81	
		For Hot Dip Galvanizing, Add	44.33	
05 12 23 00-0260	LF	W27 x 114 A992/A36 Structural Beam Or Girder.....	156.96	31.24
		For High Strength Low Alloy A572-50 Steel, Add	14.13	
		For High Strength Low Alloy A588 Steel, Add	31.39	
		For Each Additional Top Copes >2, Add	1.24	
		For Structural Tees, WT, MT Or ST, Deduct	-49.94	
		For Skewed Or Sloped Connections, Add	18.84	
		For Hot Dip Galvanizing, Add	34.62	
05 12 23 00-0261	LF	W27 x 102 A992/A36 Structural Beam Or Girder.....	148.19	35.24
		For High Strength Low Alloy A572-50 Steel, Add	13.34	
		For High Strength Low Alloy A588 Steel, Add	29.64	
		For Each Additional Top Copes >2, Add	1.11	
		For Structural Tees, WT, MT Or ST, Deduct	-46.23	
		For Skewed Or Sloped Connections, Add	17.78	
		For Hot Dip Galvanizing, Add	30.97	
05 12 23 00-0262	LF	W27 x 94 A992/A36 Structural Beam Or Girder.....	141.40	35.01
		For High Strength Low Alloy A572-50 Steel, Add	12.73	
		For High Strength Low Alloy A588 Steel, Add	28.28	
		For Each Additional Top Copes >2, Add	1.04	
		For Structural Tees, WT, MT Or ST, Deduct	-43.89	
		For Skewed Or Sloped Connections, Add	16.97	
		For Hot Dip Galvanizing, Add	29.14	
05 12 23 00-0263	LF	W27 x 84 A992/A36 Structural Beam Or Girder.....	133.09	34.77
		For High Strength Low Alloy A572-50 Steel, Add	11.98	
		For High Strength Low Alloy A588 Steel, Add	26.62	
		For Each Additional Top Copes >2, Add	0.96	
		For Structural Tees, WT, MT Or ST, Deduct	-41.03	
		For Skewed Or Sloped Connections, Add	15.97	
		For Hot Dip Galvanizing, Add	26.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0264	LF		W24 x 162 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	208.28 18.75 41.66 1.68 -66.92 24.99 47.15	37.37
05 12 23 00-0265	LF		W24 x 146 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	190.00 17.10 38.00 1.52 -60.77 22.80 42.50	35.83
05 12 23 00-0266	LF		W24 x 131 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	172.67 15.54 34.53 1.36 -54.96 20.72 38.13	34.21
05 12 23 00-0267	LF		W24 x 117 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	156.29 14.07 31.26 1.22 -49.50 18.75 34.06	32.50
05 12 23 00-0268	LF		W24 x 104 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	140.90 12.68 28.18 1.08 -44.40 16.91 30.27	30.73
05 12 23 00-0269	LF		W24 x 94 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	135.06 12.16 27.01 0.98 -41.67 16.21 27.36	35.01
05 12 23 00-0270	LF		W24 x 84 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	123.41 11.11 24.68 0.90 -38.22 14.81 25.28	31.02
05 12 23 00-0271	LF		W24 x 76 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	117.05 10.53 23.41 0.84 -36.03 14.05 23.56	30.79
05 12 23 00-0272	LF		W24 x 68 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	109.04 9.81 21.81 0.76 -33.27 13.08 21.39	30.62
05 12 23 00-0273	LF		W24 x 62 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	104.86 9.44 20.97 0.72 -31.83 12.58 20.26	30.44
05 12 23 00-0274	LF		W24 x 55 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	99.12 8.92 19.82 0.67 -29.85 11.89 18.71	30.33
05 12 23 00-0275	LF		W21 x 147 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	182.86 16.46 36.57 1.50 -59.08 21.94 42.02	30.74
05 12 23 00-0276	LF		W21 x 132 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	166.08 14.95 33.22 1.35 -53.43 19.93 37.73	29.36

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0277	LF		W21 x 122 A992/A36 Structural Beam Or Girder.....	155.35	28.88
			For High Strength Low Alloy A572-50 Steel, Add	13.98	
			For High Strength Low Alloy A588 Steel, Add	31.07	
			For Each Additional Top Copes >2, Add	1.25	
			For Structural Tees, WT, MT Or ST, Deduct	-49.75	
			For Skewed Or Sloped Connections, Add	18.64	
			For Hot Dip Galvanizing, Add	34.87	
05 12 23 00-0278	LF		W21 x 111 A992/A36 Structural Beam Or Girder.....	143.13	27.95
			For High Strength Low Alloy A572-50 Steel, Add	12.88	
			For High Strength Low Alloy A588 Steel, Add	28.63	
			For Each Additional Top Copes >2, Add	1.13	
			For Structural Tees, WT, MT Or ST, Deduct	-45.62	
			For Skewed Or Sloped Connections, Add	17.18	
			For Hot Dip Galvanizing, Add	31.73	
05 12 23 00-0279	LF		W21 x 101 A992/A36 Structural Beam Or Girder.....	131.97	27.06
			For High Strength Low Alloy A572-50 Steel, Add	11.88	
			For High Strength Low Alloy A588 Steel, Add	26.39	
			For Each Additional Top Copes >2, Add	1.03	
			For Structural Tees, WT, MT Or ST, Deduct	-41.86	
			For Skewed Or Sloped Connections, Add	15.84	
			For Hot Dip Galvanizing, Add	28.87	
05 12 23 00-0280	LF		W21 x 93 A992/A36 Structural Beam Or Girder	128.42	31.38
			For High Strength Low Alloy A572-50 Steel, Add	11.56	
			For High Strength Low Alloy A588 Steel, Add	25.68	
			For Each Additional Top Copes >2, Add	0.95	
			For Structural Tees, WT, MT Or ST, Deduct	-39.93	
			For Skewed Or Sloped Connections, Add	15.41	
			For Hot Dip Galvanizing, Add	26.58	
05 12 23 00-0281	LF		W21 x 83 A992/A36 Structural Beam Or Girder	120.97	31.02
			For High Strength Low Alloy A572-50 Steel, Add	10.89	
			For High Strength Low Alloy A588 Steel, Add	24.19	
			For Each Additional Top Copes >2, Add	0.88	
			For Structural Tees, WT, MT Or ST, Deduct	-37.37	
			For Skewed Or Sloped Connections, Add	14.52	
			For Hot Dip Galvanizing, Add	24.59	
05 12 23 00-0282	LF		W21 x 73 A992/A36 Structural Beam Or Girder	111.77	30.79
			For High Strength Low Alloy A572-50 Steel, Add	10.06	
			For High Strength Low Alloy A588 Steel, Add	22.35	
			For Each Additional Top Copes >2, Add	0.79	
			For Structural Tees, WT, MT Or ST, Deduct	-34.19	
			For Skewed Or Sloped Connections, Add	13.41	
			For Hot Dip Galvanizing, Add	22.10	
05 12 23 00-0283	LF		W21 x 68 A992/A36 Structural Beam Or Girder	107.15	30.62
			For High Strength Low Alloy A572-50 Steel, Add	9.64	
			For High Strength Low Alloy A588 Steel, Add	21.43	
			For Each Additional Top Copes >2, Add	0.74	
			For Structural Tees, WT, MT Or ST, Deduct	-32.60	
			For Skewed Or Sloped Connections, Add	12.86	
			For Hot Dip Galvanizing, Add	20.86	
05 12 23 00-0284	LF		W21 x 62 A992/A36 Structural Beam Or Girder	102.97	30.44
			For High Strength Low Alloy A572-50 Steel, Add	9.27	
			For High Strength Low Alloy A588 Steel, Add	20.59	
			For Each Additional Top Copes >2, Add	0.70	
			For Structural Tees, WT, MT Or ST, Deduct	-31.17	
			For Skewed Or Sloped Connections, Add	12.36	
			For Hot Dip Galvanizing, Add	19.73	
05 12 23 00-0285	LF		W21 x 57 A992/A36 Structural Beam Or Girder	99.19	30.39
			For High Strength Low Alloy A572-50 Steel, Add	8.93	
			For High Strength Low Alloy A588 Steel, Add	19.84	
			For Each Additional Top Copes >2, Add	0.67	
			For Structural Tees, WT, MT Or ST, Deduct	-29.86	
			For Skewed Or Sloped Connections, Add	11.90	
			For Hot Dip Galvanizing, Add	18.71	
05 12 23 00-0286	LF		W21 x 50 A992/A36 Structural Beam Or Girder	88.08	26.35
			For High Strength Low Alloy A572-50 Steel, Add	7.93	
			For High Strength Low Alloy A588 Steel, Add	17.62	
			For Each Additional Top Copes >2, Add	0.60	
			For Structural Tees, WT, MT Or ST, Deduct	-26.60	
			For Skewed Or Sloped Connections, Add	10.57	
			For Hot Dip Galvanizing, Add	16.78	
05 12 23 00-0287	LF		W21 x 44 A992/A36 Structural Beam Or Girder	83.69	26.24
			For High Strength Low Alloy A572-50 Steel, Add	7.53	
			For High Strength Low Alloy A588 Steel, Add	16.74	
			For Each Additional Top Copes >2, Add	0.56	
			For Structural Tees, WT, MT Or ST, Deduct	-25.09	
			For Skewed Or Sloped Connections, Add	10.04	
			For Hot Dip Galvanizing, Add	15.60	
05 12 23 00-0288	LF		W18 x 119 A992/A36 Structural Beam Or Girder.....	150.86	28.77
			For High Strength Low Alloy A572-50 Steel, Add	13.58	
			For High Strength Low Alloy A588 Steel, Add	30.17	
			For Each Additional Top Copes >2, Add	1.20	
			For Structural Tees, WT, MT Or ST, Deduct	-48.20	
			For Skewed Or Sloped Connections, Add	18.10	
			For Hot Dip Galvanizing, Add	33.64	
05 12 23 00-0289	LF		W18 x 106 A992/A36 Structural Beam Or Girder.....	136.12	27.27
			For High Strength Low Alloy A572-50 Steel, Add	12.25	
			For High Strength Low Alloy A588 Steel, Add	27.22	
			For Each Additional Top Copes >2, Add	1.07	
			For Structural Tees, WT, MT Or ST, Deduct	-43.28	
			For Skewed Or Sloped Connections, Add	16.33	
			For Hot Dip Galvanizing, Add	29.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0290	LF		W18 x 97 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add For Hot Dip Galvanizing, Add	131.48 11.83 26.30 0.98 -40.99 15.78 27.42	31.38
05 12 23 00-0291	LF		W18 x 86 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add For Hot Dip Galvanizing, Add	122.91 11.06 24.58 0.90 -38.04 14.75 25.12	31.09
05 12 23 00-0292	LF		W18 x 76 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add For Hot Dip Galvanizing, Add	115.16 10.36 23.03 0.82 -35.37 13.82 23.04	30.79
05 12 23 00-0293	LF		W18 x 71 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add For Hot Dip Galvanizing, Add	109.49 9.85 21.90 0.77 -33.40 13.14 21.48	30.74
05 12 23 00-0294	LF		W18 x 65 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add For Hot Dip Galvanizing, Add	103.98 9.36 20.80 0.71 -31.50 12.48 19.98	30.62
05 12 23 00-0295	LF		W18 x 60 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add For Hot Dip Galvanizing, Add	99.02 8.91 19.80 0.67 -29.79 11.88 18.65	30.39
05 12 23 00-0296	LF		W18 x 55 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add For Hot Dip Galvanizing, Add	94.01 8.46 18.80 0.62 -28.06 11.28 17.28	30.33
05 12 23 00-0297	LF		W18 x 50 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add For Hot Dip Galvanizing, Add	84.97 7.65 16.99 0.57 -25.52 10.20 15.91	26.35
05 12 23 00-0298	LF		W18 x 46 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add For Hot Dip Galvanizing, Add	81.07 7.30 16.21 0.53 -24.17 9.73 14.85	26.29
05 12 23 00-0299	LF		W18 x 40 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add For Hot Dip Galvanizing, Add	71.10 6.40 14.22 0.47 -21.29 8.53 13.20	22.44
05 12 23 00-0300	LF		W18 x 35 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add For Hot Dip Galvanizing, Add	66.20 5.96 13.24 0.42 -19.59 7.94 11.86	22.38
05 12 23 00-0301	LF		W16 x 100 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add For Hot Dip Galvanizing, Add	127.02 11.43 25.40 1.05 -41.20 15.24 29.48	20.40
05 12 23 00-0302	LF		W16 x 89 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add For Hot Dip Galvanizing, Add	116.00 10.44 23.20 0.95 -37.39 13.92 26.49	20.04

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0303	LF		W16 x 77 A992/A36 Structural Beam Or Girder	104.14	19.81
			For High Strength Low Alloy A572-50 Steel, Add	9.37	
			For High Strength Low Alloy A588 Steel, Add	20.83	
			For Each Additional Top Copes >2, Add	0.83	
			For Structural Tees, WT, MT Or ST, Deduct	-33.29	
			For Skewed Or Sloped Connections, Add	12.50	
			For Hot Dip Galvanizing, Add	23.25	
05 12 23 00-0304	LF		W16 x 67 A992/A36 Structural Beam Or Girder	94.06	19.52
			For High Strength Low Alloy A572-50 Steel, Add	8.47	
			For High Strength Low Alloy A588 Steel, Add	18.81	
			For Each Additional Top Copes >2, Add	0.73	
			For Structural Tees, WT, MT Or ST, Deduct	-29.80	
			For Skewed Or Sloped Connections, Add	11.29	
			For Hot Dip Galvanizing, Add	20.51	
05 12 23 00-0305	LF		W16 x 57 A992/A36 Structural Beam Or Girder	84.10	19.22
			For High Strength Low Alloy A572-50 Steel, Add	7.57	
			For High Strength Low Alloy A588 Steel, Add	16.82	
			For Each Additional Top Copes >2, Add	0.64	
			For Structural Tees, WT, MT Or ST, Deduct	-26.36	
			For Skewed Or Sloped Connections, Add	10.09	
			For Hot Dip Galvanizing, Add	17.81	
05 12 23 00-0306	LF		W16 x 50 A992/A36 Structural Beam Or Girder	77.14	19.05
			For High Strength Low Alloy A572-50 Steel, Add	6.94	
			For High Strength Low Alloy A588 Steel, Add	15.43	
			For Each Additional Top Copes >2, Add	0.57	
			For Structural Tees, WT, MT Or ST, Deduct	-23.95	
			For Skewed Or Sloped Connections, Add	9.26	
			For Hot Dip Galvanizing, Add	15.91	
05 12 23 00-0307	LF		W16 x 45 A992/A36 Structural Beam Or Girder	72.25	18.93
			For High Strength Low Alloy A572-50 Steel, Add	6.50	
			For High Strength Low Alloy A588 Steel, Add	14.45	
			For Each Additional Top Copes >2, Add	0.52	
			For Structural Tees, WT, MT Or ST, Deduct	-22.25	
			For Skewed Or Sloped Connections, Add	8.67	
			For Hot Dip Galvanizing, Add	14.57	
05 12 23 00-0308	LF		W16 x 40 A992/A36 Structural Beam Or Girder	67.18	18.76
			For High Strength Low Alloy A572-50 Steel, Add	6.05	
			For High Strength Low Alloy A588 Steel, Add	13.44	
			For Each Additional Top Copes >2, Add	0.47	
			For Structural Tees, WT, MT Or ST, Deduct	-20.51	
			For Skewed Or Sloped Connections, Add	8.06	
			For Hot Dip Galvanizing, Add	13.20	
05 12 23 00-0309	LF		W16 x 36 A992/A36 Structural Beam Or Girder	63.23	18.64
			For High Strength Low Alloy A572-50 Steel, Add	5.69	
			For High Strength Low Alloy A588 Steel, Add	12.65	
			For Each Additional Top Copes >2, Add	0.43	
			For Structural Tees, WT, MT Or ST, Deduct	-19.15	
			For Skewed Or Sloped Connections, Add	7.59	
			For Hot Dip Galvanizing, Add	12.14	
05 12 23 00-0310	LF		W16 x 31 A992/A36 Structural Beam Or Girder	54.30	14.84
			For High Strength Low Alloy A572-50 Steel, Add	4.89	
			For High Strength Low Alloy A588 Steel, Add	10.86	
			For Each Additional Top Copes >2, Add	0.38	
			For Structural Tees, WT, MT Or ST, Deduct	-16.63	
			For Skewed Or Sloped Connections, Add	6.52	
			For Hot Dip Galvanizing, Add	10.77	
05 12 23 00-0311	LF		W16 x 26 A992/A36 Structural Beam Or Girder	47.91	14.67
			For High Strength Low Alloy A572-50 Steel, Add	4.31	
			For High Strength Low Alloy A588 Steel, Add	9.58	
			For Each Additional Top Copes >2, Add	0.32	
			For Structural Tees, WT, MT Or ST, Deduct	-14.42	
			For Skewed Or Sloped Connections, Add	5.75	
			For Hot Dip Galvanizing, Add	9.03	
05 12 23 00-0312	LF		W14 x 99 A992/A36 Structural Beam Or Girder	122.10	16.71
			For High Strength Low Alloy A572-50 Steel, Add	10.99	
			For High Strength Low Alloy A588 Steel, Add	24.42	
			For Each Additional Top Copes >2, Add	1.04	
			For Structural Tees, WT, MT Or ST, Deduct	-40.06	
			For Skewed Or Sloped Connections, Add	14.65	
			For Hot Dip Galvanizing, Add	29.20	
05 12 23 00-0313	LF		W14 x 90 A992/A36 Structural Beam Or Girder	113.13	16.42
			For High Strength Low Alloy A572-50 Steel, Add	10.18	
			For High Strength Low Alloy A588 Steel, Add	22.63	
			For Each Additional Top Copes >2, Add	0.96	
			For Structural Tees, WT, MT Or ST, Deduct	-36.97	
			For Skewed Or Sloped Connections, Add	13.58	
			For Hot Dip Galvanizing, Add	26.77	
05 12 23 00-0314	LF		W14 x 82 A992/A36 Structural Beam Or Girder	105.12	16.25
			For High Strength Low Alloy A572-50 Steel, Add	9.46	
			For High Strength Low Alloy A588 Steel, Add	21.02	
			For Each Additional Top Copes >2, Add	0.88	
			For Structural Tees, WT, MT Or ST, Deduct	-34.20	
			For Skewed Or Sloped Connections, Add	12.61	
			For Hot Dip Galvanizing, Add	24.59	
05 12 23 00-0315	LF		W14 x 74 A992/A36 Structural Beam Or Girder	97.11	16.01
			For High Strength Low Alloy A572-50 Steel, Add	8.74	
			For High Strength Low Alloy A588 Steel, Add	19.42	
			For Each Additional Top Copes >2, Add	0.80	
			For Structural Tees, WT, MT Or ST, Deduct	-31.43	
			For Skewed Or Sloped Connections, Add	11.65	
			For Hot Dip Galvanizing, Add	22.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0316	LF		W14 x 68 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	91.15 8.20 18.23 0.74 -29.37 10.94 20.79	15.83
05 12 23 00-0317	LF		W14 x 61 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	84.19 7.58 16.84 0.67 -26.96 10.10 18.89	15.66
05 12 23 00-0318	LF		W14 x 53 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	76.29 6.87 15.26 0.60 -24.23 9.15 16.75	15.42
05 12 23 00-0319	LF		W14 x 48 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	71.22 6.41 14.24 0.55 -22.48 8.55 15.38	15.25
05 12 23 00-0320	LF		W14 x 43 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	66.21 5.96 13.24 0.50 -20.75 7.95 14.01	15.19
05 12 23 00-0321	LF		W14 x 38 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	61.26 5.51 12.25 0.45 -19.04 7.35 12.67	15.07
05 12 23 00-0322	LF		W14 x 34 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	57.26 5.15 11.45 0.41 -17.66 6.87 11.58	14.90
05 12 23 00-0323	LF		W14 x 30 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	53.25 4.79 10.65 0.37 -16.27 6.39 10.49	14.84
05 12 23 00-0324	LF		W14 x 26 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	49.23 4.43 9.85 0.34 -14.88 5.91 9.40	14.67
05 12 23 00-0325	LF		W14 x 22 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	45.33 4.08 9.07 0.30 -13.53 5.44 8.34	14.61
05 12 23 00-0326	LF		W12 x 87 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	110.19 9.92 22.04 0.93 -35.95 13.22 25.96	16.36
05 12 23 00-0327	LF		W12 x 79 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	102.18 9.20 20.44 0.85 -33.18 12.26 23.78	16.13
05 12 23 00-0328	LF		W12 x 72 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	95.16 8.56 19.03 0.78 -30.75 11.42 21.88	15.95

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0329	LF		W12 x 65 A992/A36 Structural Beam Or Girder	88.20	15.78
			For High Strength Low Alloy A572-50 Steel, Add	7.94	
			For High Strength Low Alloy A588 Steel, Add	17.64	
			For Each Additional Top Copes >2, Add	0.71	
			For Structural Tees, WT, MT Or ST, Deduct	-28.35	
			For Skewed Or Sloped Connections, Add	10.58	
			For Hot Dip Galvanizing, Add	19.98	
05 12 23 00-0330	LF		W12 x 58 A992/A36 Structural Beam Or Girder	81.18	15.55
			For High Strength Low Alloy A572-50 Steel, Add	7.31	
			For High Strength Low Alloy A588 Steel, Add	16.24	
			For Each Additional Top Copes >2, Add	0.65	
			For Structural Tees, WT, MT Or ST, Deduct	-25.92	
			For Skewed Or Sloped Connections, Add	9.74	
			For Hot Dip Galvanizing, Add	18.09	
05 12 23 00-0331	LF		W12 x 53 A992/A36 Structural Beam Or Girder	76.29	15.42
			For High Strength Low Alloy A572-50 Steel, Add	6.87	
			For High Strength Low Alloy A588 Steel, Add	15.26	
			For Each Additional Top Copes >2, Add	0.60	
			For Structural Tees, WT, MT Or ST, Deduct	-24.23	
			For Skewed Or Sloped Connections, Add	9.15	
			For Hot Dip Galvanizing, Add	16.75	
05 12 23 00-0332	LF		W12 x 50 A992/A36 Structural Beam Or Girder	73.17	15.37
			For High Strength Low Alloy A572-50 Steel, Add	6.59	
			For High Strength Low Alloy A588 Steel, Add	14.63	
			For Each Additional Top Copes >2, Add	0.57	
			For Structural Tees, WT, MT Or ST, Deduct	-23.16	
			For Skewed Or Sloped Connections, Add	8.78	
			For Hot Dip Galvanizing, Add	15.91	
05 12 23 00-0333	LF		W12 x 45 A992/A36 Structural Beam Or Girder	68.28	15.25
			For High Strength Low Alloy A572-50 Steel, Add	6.15	
			For High Strength Low Alloy A588 Steel, Add	13.66	
			For Each Additional Top Copes >2, Add	0.52	
			For Structural Tees, WT, MT Or ST, Deduct	-21.46	
			For Skewed Or Sloped Connections, Add	8.19	
			For Hot Dip Galvanizing, Add	14.57	
05 12 23 00-0334	LF		W12 x 40 A992/A36 Structural Beam Or Girder	59.23	11.33
			For High Strength Low Alloy A572-50 Steel, Add	5.33	
			For High Strength Low Alloy A588 Steel, Add	11.85	
			For Each Additional Top Copes >2, Add	0.47	
			For Structural Tees, WT, MT Or ST, Deduct	-18.92	
			For Skewed Or Sloped Connections, Add	7.11	
			For Hot Dip Galvanizing, Add	13.20	
05 12 23 00-0335	LF		W12 x 35 A992/A36 Structural Beam Or Girder	54.34	11.28
			For High Strength Low Alloy A572-50 Steel, Add	4.89	
			For High Strength Low Alloy A588 Steel, Add	10.87	
			For Each Additional Top Copes >2, Add	0.42	
			For Structural Tees, WT, MT Or ST, Deduct	-17.22	
			For Skewed Or Sloped Connections, Add	6.52	
			For Hot Dip Galvanizing, Add	11.86	
05 12 23 00-0336	LF		W12 x 30 A992/A36 Structural Beam Or Girder	49.27	11.10
			For High Strength Low Alloy A572-50 Steel, Add	4.43	
			For High Strength Low Alloy A588 Steel, Add	9.85	
			For Each Additional Top Copes >2, Add	0.37	
			For Structural Tees, WT, MT Or ST, Deduct	-15.47	
			For Skewed Or Sloped Connections, Add	5.91	
			For Hot Dip Galvanizing, Add	10.49	
05 12 23 00-0337	LF		W12 x 26 A992/A36 Structural Beam Or Girder	45.25	10.99
			For High Strength Low Alloy A572-50 Steel, Add	4.07	
			For High Strength Low Alloy A588 Steel, Add	9.05	
			For Each Additional Top Copes >2, Add	0.34	
			For Structural Tees, WT, MT Or ST, Deduct	-14.09	
			For Skewed Or Sloped Connections, Add	5.43	
			For Hot Dip Galvanizing, Add	9.40	
05 12 23 00-0338	LF		W12 x 22 A992/A36 Structural Beam Or Girder	41.36	10.87
			For High Strength Low Alloy A572-50 Steel, Add	3.72	
			For High Strength Low Alloy A588 Steel, Add	8.27	
			For Each Additional Top Copes >2, Add	0.30	
			For Structural Tees, WT, MT Or ST, Deduct	-12.74	
			For Skewed Or Sloped Connections, Add	4.96	
			For Hot Dip Galvanizing, Add	8.34	
05 12 23 00-0339	LF		W12 x 19 A992/A36 Structural Beam Or Girder	38.30	10.81
			For High Strength Low Alloy A572-50 Steel, Add	3.45	
			For High Strength Low Alloy A588 Steel, Add	7.66	
			For Each Additional Top Copes >2, Add	0.27	
			For Structural Tees, WT, MT Or ST, Deduct	-11.68	
			For Skewed Or Sloped Connections, Add	4.60	
			For Hot Dip Galvanizing, Add	7.50	
05 12 23 00-0340	LF		W12 x 16 A992/A36 Structural Beam Or Girder	35.30	10.64
			For High Strength Low Alloy A572-50 Steel, Add	3.18	
			For High Strength Low Alloy A588 Steel, Add	7.06	
			For Each Additional Top Copes >2, Add	0.24	
			For Structural Tees, WT, MT Or ST, Deduct	-10.65	
			For Skewed Or Sloped Connections, Add	4.24	
			For Hot Dip Galvanizing, Add	6.69	
05 12 23 00-0341	LF		W12 x 14 A992/A36 Structural Beam Or Girder	33.34	10.64
			For High Strength Low Alloy A572-50 Steel, Add	3.00	
			For High Strength Low Alloy A588 Steel, Add	6.67	
			For Each Additional Top Copes >2, Add	0.22	
			For Structural Tees, WT, MT Or ST, Deduct	-9.97	
			For Skewed Or Sloped Connections, Add	4.00	
			For Hot Dip Galvanizing, Add	6.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0342	LF		W10 x 68 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	87.46 7.87 17.49 0.74 -28.67 10.50 20.86	12.21
05 12 23 00-0343	LF		W10 x 60 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	79.55 7.16 15.91 0.67 -25.93 9.55 18.71	11.98
05 12 23 00-0344	LF		W10 x 54 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	73.48 6.61 14.70 0.61 -23.83 8.82 17.06	11.75
05 12 23 00-0345	LF		W10 x 49 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	68.53 6.17 13.71 0.56 -22.13 8.22 15.72	11.63
05 12 23 00-0346	LF		W10 x 45 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	64.52 5.81 12.90 0.52 -20.74 7.74 14.63	11.57
05 12 23 00-0347	LF		W10 x 39 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	58.56 5.27 11.71 0.46 -18.68 7.03 13.01	11.33
05 12 23 00-0348	LF		W10 x 33 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	52.62 4.74 10.52 0.41 -16.63 6.31 11.39	11.16
05 12 23 00-0349	LF		W10 x 30 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	49.55 4.46 9.91 0.38 -15.56 5.95 10.55	11.10
05 12 23 00-0350	LF		W10 x 26 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	45.66 4.11 9.13 0.34 -14.22 5.48 9.49	11.05
05 12 23 00-0351	LF		W10 x 22 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	41.59 3.74 8.32 0.30 -12.82 4.99 8.41	10.87
05 12 23 00-0352	LF		W10 x 19 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	38.64 3.48 7.73 0.27 -11.80 4.64 7.60	10.81
05 12 23 00-0353	LF		W10 x 17 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	36.57 3.29 7.31 0.25 -11.08 4.39 7.03	10.75
05 12 23 00-0354	LF		W10 x 15 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i> <i>For Hot Dip Galvanizing, Add</i>	34.64 3.12 6.93 0.23 -10.41 4.16 6.51	10.64

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0355	LF		W10 x 12 A992/A36 Structural Beam Or Girder	31.67	10.64
			For High Strength Low Alloy A572-50 Steel, Add	2.85	
			For High Strength Low Alloy A588 Steel, Add	6.33	
			For Each Additional Top Copes >2, Add	0.20	
			For Structural Tees, WT, MT Or ST, Deduct	-9.39	
			For Skewed Or Sloped Connections, Add	3.80	
			For Hot Dip Galvanizing, Add	5.70	
05 12 23 00-0356	LF		W8 x 35 A992/A36 Structural Beam Or Girder	54.56	11.28
			For High Strength Low Alloy A572-50 Steel, Add	4.91	
			For High Strength Low Alloy A588 Steel, Add	10.91	
			For Each Additional Top Copes >2, Add	0.43	
			For Structural Tees, WT, MT Or ST, Deduct	-17.30	
			For Skewed Or Sloped Connections, Add	6.55	
			For Hot Dip Galvanizing, Add	11.92	
05 12 23 00-0357	LF		W8 x 31 A992/A36 Structural Beam Or Girder	50.55	11.10
			For High Strength Low Alloy A572-50 Steel, Add	4.55	
			For High Strength Low Alloy A588 Steel, Add	10.11	
			For Each Additional Top Copes >2, Add	0.39	
			For Structural Tees, WT, MT Or ST, Deduct	-15.91	
			For Skewed Or Sloped Connections, Add	6.07	
			For Hot Dip Galvanizing, Add	10.83	
05 12 23 00-0358	LF		W8 x 28 A992/A36 Structural Beam Or Girder	46.96	10.46
			For High Strength Low Alloy A572-50 Steel, Add	4.23	
			For High Strength Low Alloy A588 Steel, Add	9.39	
			For Each Additional Top Copes >2, Add	0.36	
			For Structural Tees, WT, MT Or ST, Deduct	-14.76	
			For Skewed Or Sloped Connections, Add	5.64	
			For Hot Dip Galvanizing, Add	10.02	
05 12 23 00-0359	LF		W8 x 24 A992/A36 Structural Beam Or Girder	42.71	9.81
			For High Strength Low Alloy A572-50 Steel, Add	3.84	
			For High Strength Low Alloy A588 Steel, Add	8.54	
			For Each Additional Top Copes >2, Add	0.32	
			For Structural Tees, WT, MT Or ST, Deduct	-13.38	
			For Skewed Or Sloped Connections, Add	5.13	
			For Hot Dip Galvanizing, Add	9.03	
05 12 23 00-0360	LF		W8 x 21 A992/A36 Structural Beam Or Girder	39.74	9.12
			For High Strength Low Alloy A572-50 Steel, Add	3.58	
			For High Strength Low Alloy A588 Steel, Add	7.95	
			For Each Additional Top Copes >2, Add	0.30	
			For Structural Tees, WT, MT Or ST, Deduct	-12.45	
			For Skewed Or Sloped Connections, Add	4.77	
			For Hot Dip Galvanizing, Add	8.39	
05 12 23 00-0361	LF		W8 x 18 A992/A36 Structural Beam Or Girder	34.57	8.47
			For High Strength Low Alloy A572-50 Steel, Add	3.11	
			For High Strength Low Alloy A588 Steel, Add	6.91	
			For Each Additional Top Copes >2, Add	0.26	
			For Structural Tees, WT, MT Or ST, Deduct	-10.74	
			For Skewed Or Sloped Connections, Add	4.15	
			For Hot Dip Galvanizing, Add	7.15	
05 12 23 00-0362	LF		W8 x 10 A992/A36 Structural Beam Or Girder	20.06	6.07
			For High Strength Low Alloy A572-50 Steel, Add	1.81	
			For High Strength Low Alloy A588 Steel, Add	4.01	
			For Each Additional Top Copes >2, Add	0.14	
			For Structural Tees, WT, MT Or ST, Deduct	-6.06	
			For Skewed Or Sloped Connections, Add	2.41	
			For Hot Dip Galvanizing, Add	3.82	
05 12 23 00-0363	LF		W6 x 9 A992/A36 Structural Beam Or Girder	18.71	4.96
			For High Strength Low Alloy A572-50 Steel, Add	1.68	
			For High Strength Low Alloy A588 Steel, Add	3.74	
			For Each Additional Top Copes >2, Add	0.13	
			For Structural Tees, WT, MT Or ST, Deduct	-5.76	
			For Skewed Or Sloped Connections, Add	2.25	
			For Hot Dip Galvanizing, Add	3.77	
05 12 23 00-0364			A992/A36 Structural Steel, M Shapes (05 12 23 00-0146)		
			Note: Includes material delivery and erection.		
05 12 23 00-0365	LF		M14 x 18 A992/A36 Structural Steel	39.03	7.59
			For High Strength Low Alloy A572-50 Steel, Add	3.51	
			For High Strength Low Alloy A588 Grade B Steel, Add	7.81	
05 12 23 00-0366	LF		M12 x 11.8 A992/A36 Structural Steel	27.44	6.71
			For High Strength Low Alloy A572-50 Steel, Add	2.47	
			For High Strength Low Alloy A588 Grade B Steel, Add	5.49	
05 12 23 00-0367	LF		M10 x 9 A992/A36 Structural Steel	21.21	5.38
			For High Strength Low Alloy A572-50 Steel, Add	1.91	
			For High Strength Low Alloy A588 Grade B Steel, Add	4.24	
05 12 23 00-0368	LF		M8 x 6.5 A992/A36 Structural Steel	15.33	3.88
			For High Strength Low Alloy A572-50 Steel, Add	1.38	
			For High Strength Low Alloy A588 Grade B Steel, Add	3.07	
05 12 23 00-0369	LF		M6 x 20 A992/A36 Structural Steel	44.32	9.41
			For High Strength Low Alloy A572-50 Steel, Add	3.99	
			For High Strength Low Alloy A588 Grade B Steel, Add	8.86	
05 12 23 00-0370	LF		M6 x 4.4 A992/A36 Structural Steel	10.36	2.63
			For High Strength Low Alloy A572-50 Steel, Add	0.93	
			For High Strength Low Alloy A588 Grade B Steel, Add	2.07	
05 12 23 00-0371	LF		M5 x 18.9 A992/A36 Structural Steel	42.50	9.41
			For High Strength Low Alloy A572-50 Steel, Add	3.83	
			For High Strength Low Alloy A588 Grade B Steel, Add	8.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0372	LF		M4 x 13 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	34.27 3.08 6.85	9.23
05 12 23 00-0373 A992/A36 Structural Steel, S Shapes <small>(05 12 23 00-0146)</small>					
Note: Includes material delivery and erection.					
05 12 23 00-0374	LF		S24 x 121 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	238.02 21.42 47.60	38.39
05 12 23 00-0375	LF		S24 x 106 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	210.41 18.94 42.08	35.41
05 12 23 00-0376	LF		S24 x 100 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	200.37 18.03 40.07	35.16
05 12 23 00-0377	LF		S24 x 90 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	182.11 16.39 36.42	33.32
05 12 23 00-0378	LF		S24 x 80 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	163.52 14.72 32.70	31.17
05 12 23 00-0379	LF		S20 x 96 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	192.35 17.31 38.47	33.75
05 12 23 00-0380	LF		S20 x 86 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	174.02 15.66 34.80	31.83
05 12 23 00-0381	LF		S20 x 75 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	153.31 13.80 30.66	29.22
05 12 23 00-0382	LF		S20 x 66 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	136.36 12.27 27.27	27.07
05 12 23 00-0383	LF		S18 x 70 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	144.63 13.02 28.93	28.71
05 12 23 00-0384	LF		S18 x 54.7 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	114.26 10.28 22.85	23.62
05 12 23 00-0385	LF		S15 x 50 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	105.66 9.51 21.13	22.72
05 12 23 00-0386	LF		S15 x 42.9 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	91.75 8.26 18.35	20.52
05 12 23 00-0387	LF		S12 x 50 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	104.45 9.40 20.89	21.58
05 12 23 00-0388	LF		S12 x 40.8 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.21 7.76 17.24	18.54
05 12 23 00-0389	LF		S12 x 35 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.86 6.74 14.97	16.74
05 12 23 00-0390	LF		S12 x 31.8 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	68.87 6.20 13.77	16.01
05 12 23 00-0391	LF		S10 x 35 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	75.80 6.82 15.16	17.63
05 12 23 00-0392	LF		S10 x 25.4 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	55.72 5.01 11.14	13.46
05 12 23 00-0393	LF		S8 x 23 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	50.46 4.54 10.09	12.19
05 12 23 00-0394	LF		S8 x 18.4 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	40.91 3.68 8.18	10.27
05 12 23 00-0395	LF		S7 x 20 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	44.47 4.00 8.89	11.16
05 12 23 00-0396	LF		S7 x 15.3 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	34.50 3.11 6.90	8.99
05 12 23 00-0397	LF		S6 x 17.25 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.62 3.48 7.72	9.86
05 12 23 00-0398	LF		S6 x 12.5 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.80 2.95 6.56	9.12
05 12 23 00-0399	LF		S5 x 14.75 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	35.15 3.16 7.03	9.30
05 12 23 00-0400	LF		S5 x 10 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	29.31 2.64 5.86	9.05

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0401	LF	S4 x 9.5	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.40 2.56 5.68	9.05
05 12 23 00-0402	LF	S4 x 7.7	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	26.32 2.37 5.26	9.05
05 12 23 00-0403	LF	S3 x 7.5	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	26.11 2.35 5.22	9.05
05 12 23 00-0404	LF	S3 x 5.7	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	23.63 2.13 4.73	9.00
05 12 23 00-0405 A992/A36 Structural Steel, HP Shapes (05 12 23 00-0146)					
Note: Includes material delivery and erection.					
05 12 23 00-0406	LF	HP14 x 117	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	152.11 13.69 30.42	11.38
05 12 23 00-0407	LF	HP14 x 102	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	132.81 11.95 26.56	10.59
05 12 23 00-0408	LF	HP14 x 89	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	118.11 10.63 23.62	9.93
05 12 23 00-0409	LF	HP14 x 73	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	97.27 8.75 19.45	9.36
05 12 23 00-0410	LF	HP13 x 100	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	130.21 11.72 26.04	10.38
05 12 23 00-0411	LF	HP13 x 87	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	115.45 10.39 23.09	9.71
05 12 23 00-0412	LF	HP13 x 73	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	97.27 8.75 19.45	9.36
05 12 23 00-0413	LF	HP13 x 60	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	81.95 7.38 16.39	8.97
05 12 23 00-0414	LF	HP12 x 84	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	108.43 9.76 21.69	10.24
05 12 23 00-0415	LF	HP12 x 74	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.53 8.60 19.11	9.65
05 12 23 00-0416	LF	HP12 x 63	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	81.99 7.38 16.40	8.88
05 12 23 00-0417	LF	HP12 x 53	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	75.04 6.75 15.01	8.44
05 12 23 00-0418	LF	HP10 x 57	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.15 7.12 15.83	8.66
05 12 23 00-0419	LF	HP10 x 42	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	64.80 5.83 12.96	8.12
05 12 23 00-0420	LF	HP8 x 36	A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.07 5.05 11.21	7.66
05 12 23 00-0421 Lightweight Framing Steel Shapes (05 12 23)					
05 12 23 00-0422 Angle Iron - L (05 12 23 00-0421)					
05 12 23 00-0423 1/8" Thick (05 12 23 00-0422)					
05 12 23 00-0424	LF	1/2" x 1/2" x 1/8"	Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	1.32 -0.08 -0.11 -0.17 -0.23 0.18 0.83 0.26	0.78
05 12 23 00-0425	LF	3/4" x 1/2" x 1/8"	Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	1.54 -0.09 -0.13 -0.19 -0.26 0.23 1.05 0.31	0.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0426 LF 3/4" x 3/4" x 1/8" Angle Iron.....	1.74	0.97
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.22	
For >1,000, Deduct	-0.29	
For Galvanized Steel, Add	0.28	
For 304 Stainless Steel, Add	1.28	
For High Strength Steel (HSS), Add	0.35	
05 12 23 00-0427 LF 1" x 3/4" x 1/8" Angle Iron.....	1.96	1.08
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.16	
For >500 To 1,000, Deduct	-0.24	
For >1,000, Deduct	-0.33	
For Galvanized Steel, Add	0.32	
For 304 Stainless Steel, Add	1.48	
For High Strength Steel (HSS), Add	0.39	
05 12 23 00-0428 LF 1" x 1" x 1/8" Angle Iron.....	2.17	1.16
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.17	
For >500 To 1,000, Deduct	-0.26	
For >1,000, Deduct	-0.36	
For Galvanized Steel, Add	0.38	
For 304 Stainless Steel, Add	1.74	
For High Strength Steel (HSS), Add	0.43	
05 12 23 00-0429 LF 1-1/4" x 1-1/4" x 1/8" Angle Iron.....	2.60	1.38
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.20	
For >500 To 1,000, Deduct	-0.31	
For >1,000, Deduct	-0.42	
For Galvanized Steel, Add	0.48	
For 304 Stainless Steel, Add	2.19	
For High Strength Steel (HSS), Add	0.52	
05 12 23 00-0430 LF 1-1/2" x 1" x 1/8" Angle Iron.....	2.60	1.38
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.20	
For >500 To 1,000, Deduct	-0.31	
For >1,000, Deduct	-0.42	
For Galvanized Steel, Add	0.48	
For 304 Stainless Steel, Add	2.19	
For High Strength Steel (HSS), Add	0.52	
05 12 23 00-0431 LF 1-1/2" x 1-1/2" x 1/8" Angle Iron.....	3.11	1.64
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.24	
For >500 To 1,000, Deduct	-0.37	
For >1,000, Deduct	-0.51	
For Galvanized Steel, Add	0.58	
For 304 Stainless Steel, Add	2.65	
For High Strength Steel (HSS), Add	0.62	
05 12 23 00-0432 LF 2" x 2" x 1/8" Angle Iron.....	4.23	2.24
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.51	
For >1,000, Deduct	-0.69	
For Galvanized Steel, Add	0.78	
For 304 Stainless Steel, Add	3.59	
For High Strength Steel (HSS), Add	0.85	
05 12 23 00-0433 3/16" Thick <small>(05 12 23 00-0422)</small>		
05 12 23 00-0434 LF 1-1/4" x 1-1/4" x 3/16" Angle Iron.....	3.06	1.45
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.47	
For Galvanized Steel, Add	0.70	
For 304 Stainless Steel, Add	3.22	
For High Strength Steel (HSS), Add	0.61	
05 12 23 00-0435 LF 1-1/2" x 1" x 3/16" Angle Iron.....	3.06	1.45
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.47	
For Galvanized Steel, Add	0.70	
For 304 Stainless Steel, Add	3.22	
For High Strength Steel (HSS), Add	0.61	
05 12 23 00-0436 LF 1-1/2" x 1-1/2" x 3/16" Angle Iron.....	3.44	1.56
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.24	
For >500 To 1,000, Deduct	-0.38	
For >1,000, Deduct	-0.52	
For Galvanized Steel, Add	0.85	
For 304 Stainless Steel, Add	3.90	
For High Strength Steel (HSS), Add	0.69	
05 12 23 00-0437 LF 2" x 2" x 3/16" Angle Iron.....	4.08	1.67
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.27	
For >500 To 1,000, Deduct	-0.43	
For >1,000, Deduct	-0.58	
For Galvanized Steel, Add	1.15	
For 304 Stainless Steel, Add	5.30	
For High Strength Steel (HSS), Add	0.82	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0438	LF	2-1/2" x 2" x 3/16" Angle Iron	4.48	1.78
		<i>For >100 To 250, Deduct</i>	-0.18	
		<i>For >250 To 500, Deduct</i>	-0.29	
		<i>For >500 To 1,000, Deduct</i>	-0.46	
		<i>For >1,000, Deduct</i>	-0.63	
		<i>For Galvanized Steel, Add</i>	1.30	
		<i>For 304 Stainless Steel, Add</i>	5.99	
		<i>For High Strength Steel (HSS), Add</i>	0.90	
05 12 23 00-0439	LF	2-1/2" x 2-1/2" x 3/16" Angle Iron	4.90	1.91
		<i>For >100 To 250, Deduct</i>	-0.19	
		<i>For >250 To 500, Deduct</i>	-0.31	
		<i>For >500 To 1,000, Deduct</i>	-0.50	
		<i>For >1,000, Deduct</i>	-0.69	
		<i>For Galvanized Steel, Add</i>	1.46	
		<i>For 304 Stainless Steel, Add</i>	6.70	
		<i>For High Strength Steel (HSS), Add</i>	0.98	
05 12 23 00-0440	LF	3" x 2" x 3/16" Angle Iron	4.89	1.91
		<i>For >100 To 250, Deduct</i>	-0.19	
		<i>For >250 To 500, Deduct</i>	-0.31	
		<i>For >500 To 1,000, Deduct</i>	-0.50	
		<i>For >1,000, Deduct</i>	-0.69	
		<i>For Galvanized Steel, Add</i>	1.45	
		<i>For 304 Stainless Steel, Add</i>	6.67	
		<i>For High Strength Steel (HSS), Add</i>	0.98	
05 12 23 00-0441	LF	3" x 2-1/2" x 3/16" Angle Iron	5.40	2.11
		<i>For >100 To 250, Deduct</i>	-0.21	
		<i>For >250 To 500, Deduct</i>	-0.35	
		<i>For >500 To 1,000, Deduct</i>	-0.55	
		<i>For >1,000, Deduct</i>	-0.76	
		<i>For Galvanized Steel, Add</i>	1.61	
		<i>For 304 Stainless Steel, Add</i>	7.38	
		<i>For High Strength Steel (HSS), Add</i>	1.08	
05 12 23 00-0442	LF	3" x 3" x 3/16" Angle Iron	5.91	2.31
		<i>For >100 To 250, Deduct</i>	-0.23	
		<i>For >250 To 500, Deduct</i>	-0.38	
		<i>For >500 To 1,000, Deduct</i>	-0.60	
		<i>For >1,000, Deduct</i>	-0.83	
		<i>For Galvanized Steel, Add</i>	1.75	
		<i>For 304 Stainless Steel, Add</i>	8.07	
		<i>For High Strength Steel (HSS), Add</i>	1.18	
05 12 23 00-0443		1/4" Thick (05 12 23 00-0422)		
05 12 23 00-0444	LF	1-1/2" x 1" x 1/4" Angle Iron	3.49	1.54
		<i>For >100 To 250, Deduct</i>	-0.15	
		<i>For >250 To 500, Deduct</i>	-0.24	
		<i>For >500 To 1,000, Deduct</i>	-0.38	
		<i>For >1,000, Deduct</i>	-0.52	
		<i>For Galvanized Steel, Add</i>	0.90	
		<i>For 304 Stainless Steel, Add</i>	4.13	
		<i>For High Strength Steel (HSS), Add</i>	0.70	
05 12 23 00-0445	LF	1-1/2" x 1-1/2" x 1/4" Angle Iron	3.95	1.64
		<i>For >100 To 250, Deduct</i>	-0.16	
		<i>For >250 To 500, Deduct</i>	-0.26	
		<i>For >500 To 1,000, Deduct</i>	-0.42	
		<i>For >1,000, Deduct</i>	-0.57	
		<i>For Galvanized Steel, Add</i>	1.10	
		<i>For 304 Stainless Steel, Add</i>	5.04	
		<i>For High Strength Steel (HSS), Add</i>	0.79	
05 12 23 00-0446	LF	2" x 2" x 1/4" Angle Iron	4.76	1.75
		<i>For >100 To 250, Deduct</i>	-0.17	
		<i>For >250 To 500, Deduct</i>	-0.29	
		<i>For >500 To 1,000, Deduct</i>	-0.47	
		<i>For >1,000, Deduct</i>	-0.65	
		<i>For Galvanized Steel, Add</i>	1.51	
		<i>For 304 Stainless Steel, Add</i>	6.93	
		<i>For High Strength Steel (HSS), Add</i>	0.95	
05 12 23 00-0447	LF	2-1/2" x 2" x 1/4" Angle Iron	5.34	1.94
		<i>For >100 To 250, Deduct</i>	-0.19	
		<i>For >250 To 500, Deduct</i>	-0.33	
		<i>For >500 To 1,000, Deduct</i>	-0.53	
		<i>For >1,000, Deduct</i>	-0.72	
		<i>For Galvanized Steel, Add</i>	1.71	
		<i>For 304 Stainless Steel, Add</i>	7.87	
		<i>For High Strength Steel (HSS), Add</i>	1.07	
05 12 23 00-0448	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron	5.95	2.12
		<i>For >100 To 250, Deduct</i>	-0.21	
		<i>For >250 To 500, Deduct</i>	-0.36	
		<i>For >500 To 1,000, Deduct</i>	-0.58	
		<i>For >1,000, Deduct</i>	-0.80	
		<i>For Galvanized Steel, Add</i>	1.93	
		<i>For 304 Stainless Steel, Add</i>	8.89	
		<i>For High Strength Steel (HSS), Add</i>	1.19	
05 12 23 00-0449	LF	3" x 2" x 1/4" Angle Iron	5.95	2.12
		<i>For >100 To 250, Deduct</i>	-0.21	
		<i>For >250 To 500, Deduct</i>	-0.36	
		<i>For >500 To 1,000, Deduct</i>	-0.58	
		<i>For >1,000, Deduct</i>	-0.80	
		<i>For Galvanized Steel, Add</i>	1.93	
		<i>For 304 Stainless Steel, Add</i>	8.89	
		<i>For High Strength Steel (HSS), Add</i>	1.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0450	LF		3" x 2-1/2" x 1/4" Angle Iron.....	6.59	2.36
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.40	
			For >500 To 1,000, Deduct	-0.64	
			For >1,000, Deduct	-0.89	
			For Galvanized Steel, Add	2.13	
			For 304 Stainless Steel, Add	9.80	
			For High Strength Steel (HSS), Add	1.32	
05 12 23 00-0451	LF		3" x 3" x 1/4" Angle Iron.....	7.18	2.59
			For >100 To 250, Deduct	-0.26	
			For >250 To 500, Deduct	-0.44	
			For >500 To 1,000, Deduct	-0.70	
			For >1,000, Deduct	-0.97	
			For Galvanized Steel, Add	2.31	
			For 304 Stainless Steel, Add	10.63	
			For High Strength Steel (HSS), Add	1.44	
05 12 23 00-0452	LF		3-1/2" x 3" x 1/4" Angle Iron.....	7.82	2.78
			For >100 To 250, Deduct	-0.28	
			For >250 To 500, Deduct	-0.47	
			For >500 To 1,000, Deduct	-0.76	
			For >1,000, Deduct	-1.05	
			For Galvanized Steel, Add	2.55	
			For 304 Stainless Steel, Add	11.71	
			For High Strength Steel (HSS), Add	1.56	
05 12 23 00-0453	LF		3-1/2" x 3-1/2" x 1/4" Angle Iron.....	8.30	0.29
			For >100 To 250, Deduct	-0.29	
			For >250 To 500, Deduct	-0.50	
			For >500 To 1,000, Deduct	-0.80	
			For >1,000, Deduct	-1.11	
			For Galvanized Steel, Add	2.75	
			For 304 Stainless Steel, Add	12.63	
			For High Strength Steel (HSS), Add	1.66	
05 12 23 00-0454	LF		4" x 3" x 1/4" Angle Iron.....	8.30	2.91
			For >100 To 250, Deduct	-0.29	
			For >250 To 500, Deduct	-0.50	
			For >500 To 1,000, Deduct	-0.80	
			For >1,000, Deduct	-1.11	
			For Galvanized Steel, Add	2.75	
			For 304 Stainless Steel, Add	12.63	
			For High Strength Steel (HSS), Add	1.66	
05 12 23 00-0455	LF		4" x 3-1/2" x 1/4" Angle Iron.....	8.76	3.03
			For >100 To 250, Deduct	-0.30	
			For >250 To 500, Deduct	-0.52	
			For >500 To 1,000, Deduct	-0.84	
			For >1,000, Deduct	-1.16	
			For Galvanized Steel, Add	2.93	
			For 304 Stainless Steel, Add	13.45	
			For High Strength Steel (HSS), Add	1.75	
05 12 23 00-0456	LF		4" x 4" x 1/4" Angle Iron.....	9.26	3.16
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.55	
			For >500 To 1,000, Deduct	-0.89	
			For >1,000, Deduct	-1.22	
			For Galvanized Steel, Add	3.12	
			For 304 Stainless Steel, Add	14.36	
			For High Strength Steel (HSS), Add	1.85	
05 12 23 00-0457	LF		5" x 3" x 1/4" Angle Iron.....	9.26	3.16
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.55	
			For >500 To 1,000, Deduct	-0.89	
			For >1,000, Deduct	-1.22	
			For Galvanized Steel, Add	3.12	
			For 304 Stainless Steel, Add	14.36	
			For High Strength Steel (HSS), Add	1.85	
05 12 23 00-0458	LF		5" x 3-1/2" x 1/4" Angle Iron.....	9.77	3.33
			For >100 To 250, Deduct	-0.33	
			For >250 To 500, Deduct	-0.58	
			For >500 To 1,000, Deduct	-0.93	
			For >1,000, Deduct	-1.29	
			For Galvanized Steel, Add	3.30	
			For 304 Stainless Steel, Add	15.19	
			For High Strength Steel (HSS), Add	1.95	
05 12 23 00-0459			5/16" Thick (05 12 23 00-0422)		
05 12 23 00-0460	LF		2-1/2" x 2" x 5/16" Angle Iron.....	6.44	2.25
			For >100 To 250, Deduct	-0.23	
			For >250 To 500, Deduct	-0.39	
			For >500 To 1,000, Deduct	-0.62	
			For >1,000, Deduct	-0.86	
			For Galvanized Steel, Add	2.13	
			For 304 Stainless Steel, Add	9.80	
			For High Strength Steel (HSS), Add	1.29	
05 12 23 00-0461	LF		2-1/2" x 2-1/2" x 5/16" Angle Iron.....	7.01	2.39
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.41	
			For >500 To 1,000, Deduct	-0.67	
			For >1,000, Deduct	-0.92	
			For Galvanized Steel, Add	2.37	
			For 304 Stainless Steel, Add	10.89	
			For High Strength Steel (HSS), Add	1.40	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0462	LF 3" x 2" x 5/16" Angle Iron	7.01	2.39
	For >100 To 250, Deduct	-0.24	
	For >250 To 500, Deduct	-0.41	
	For >500 To 1,000, Deduct	-0.67	
	For >1,000, Deduct	-0.92	
	For Galvanized Steel, Add	2.37	
	For 304 Stainless Steel, Add	10.89	
	For High Strength Steel (HSS), Add	1.40	
05 12 23 00-0463	LF 3" x 2-1/2" x 5/16" Angle Iron	7.77	2.62
	For >100 To 250, Deduct	-0.26	
	For >250 To 500, Deduct	-0.46	
	For >500 To 1,000, Deduct	-0.74	
	For >1,000, Deduct	-1.02	
	For Galvanized Steel, Add	2.65	
	For 304 Stainless Steel, Add	12.20	
	For High Strength Steel (HSS), Add	1.55	
05 12 23 00-0464	LF 3" x 3" x 5/16" Angle Iron	8.45	2.84
	For >100 To 250, Deduct	-0.28	
	For >250 To 500, Deduct	-0.50	
	For >500 To 1,000, Deduct	-0.80	
	For >1,000, Deduct	-1.11	
	For Galvanized Steel, Add	2.89	
	For 304 Stainless Steel, Add	13.28	
	For High Strength Steel (HSS), Add	1.69	
05 12 23 00-0465	LF 3-1/2" x 3" x 5/16" Angle Iron	9.02	2.98
	For >100 To 250, Deduct	-0.30	
	For >250 To 500, Deduct	-0.52	
	For >500 To 1,000, Deduct	-0.85	
	For >1,000, Deduct	-1.17	
	For Galvanized Steel, Add	3.12	
	For 304 Stainless Steel, Add	14.36	
	For High Strength Steel (HSS), Add	1.80	
05 12 23 00-0466	LF 3-1/2" x 3-1/2" x 5/16" Angle Iron	9.66	3.14
	For >100 To 250, Deduct	-0.31	
	For >250 To 500, Deduct	-0.56	
	For >500 To 1,000, Deduct	-0.90	
	For >1,000, Deduct	-1.25	
	For Galvanized Steel, Add	3.40	
	For 304 Stainless Steel, Add	15.62	
	For High Strength Steel (HSS), Add	1.93	
05 12 23 00-0467	LF 4" x 3" x 5/16" Angle Iron	9.66	3.14
	For >100 To 250, Deduct	-0.31	
	For >250 To 500, Deduct	-0.56	
	For >500 To 1,000, Deduct	-0.90	
	For >1,000, Deduct	-1.25	
	For Galvanized Steel, Add	3.40	
	For 304 Stainless Steel, Add	15.62	
	For High Strength Steel (HSS), Add	1.93	
05 12 23 00-0468	LF 4" x 3-1/2" x 5/16" Angle Iron	10.28	3.32
	For >100 To 250, Deduct	-0.33	
	For >250 To 500, Deduct	-0.59	
	For >500 To 1,000, Deduct	-0.96	
	For >1,000, Deduct	-1.32	
	For Galvanized Steel, Add	3.63	
	For 304 Stainless Steel, Add	16.70	
	For High Strength Steel (HSS), Add	2.06	
05 12 23 00-0469	LF 4" x 4" x 5/16" Angle Iron	10.88	3.46
	For >100 To 250, Deduct	-0.35	
	For >250 To 500, Deduct	-0.62	
	For >500 To 1,000, Deduct	-1.01	
	For >1,000, Deduct	-1.39	
	For Galvanized Steel, Add	3.88	
	For 304 Stainless Steel, Add	17.84	
	For High Strength Steel (HSS), Add	2.18	
05 12 23 00-0470	LF 5" x 3" x 5/16" Angle Iron	10.88	3.46
	For >100 To 250, Deduct	-0.35	
	For >250 To 500, Deduct	-0.62	
	For >500 To 1,000, Deduct	-1.01	
	For >1,000, Deduct	-1.39	
	For Galvanized Steel, Add	3.88	
	For 304 Stainless Steel, Add	17.84	
	For High Strength Steel (HSS), Add	2.18	
05 12 23 00-0471	LF 5" x 3-1/2" x 5/16" Angle Iron	11.44	3.61
	For >100 To 250, Deduct	-0.36	
	For >250 To 500, Deduct	-0.65	
	For >500 To 1,000, Deduct	-1.05	
	For >1,000, Deduct	-1.46	
	For Galvanized Steel, Add	4.11	
	For 304 Stainless Steel, Add	18.90	
	For High Strength Steel (HSS), Add	2.29	
05 12 23 00-0472	LF 5" x 5" x 5/16" Angle Iron	12.88	3.76
	For >100 To 250, Deduct	-0.38	
	For >250 To 500, Deduct	-0.70	
	For >500 To 1,000, Deduct	-1.15	
	For >1,000, Deduct	-1.59	
	For Galvanized Steel, Add	4.87	
	For 304 Stainless Steel, Add	22.40	
	For High Strength Steel (HSS), Add	2.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0473	LF		6" x 3-1/2" x 5/16" Angle Iron.....	12.68	3.91
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.71	
			For >500 To 1,000, Deduct	-1.16	
			For >1,000, Deduct	-1.60	
			For Galvanized Steel, Add	4.63	
			For 304 Stainless Steel, Add	21.26	
			For High Strength Steel (HSS), Add	2.54	
05 12 23 00-0474			3/8" Thick (05 12 23 00-0422)		
05 12 23 00-0475	LF		3" x 2" x 3/8" Angle Iron.....	7.82	2.50
			For >100 To 250, Deduct	-0.25	
			For >250 To 500, Deduct	-0.45	
			For >500 To 1,000, Deduct	-0.72	
			For >1,000, Deduct	-1.00	
			For Galvanized Steel, Add	2.78	
			For 304 Stainless Steel, Add	12.80	
			For High Strength Steel (HSS), Add	1.56	
05 12 23 00-0476	LF		3" x 2-1/2" x 3/8" Angle Iron.....	8.65	2.70
			For >100 To 250, Deduct	-0.27	
			For >250 To 500, Deduct	-0.49	
			For >500 To 1,000, Deduct	-0.79	
			For >1,000, Deduct	-1.10	
			For Galvanized Steel, Add	3.12	
			For 304 Stainless Steel, Add	14.36	
			For High Strength Steel (HSS), Add	1.73	
05 12 23 00-0477	LF		3" x 3" x 3/8" Angle Iron.....	9.36	2.91
			For >100 To 250, Deduct	-0.29	
			For >250 To 500, Deduct	-0.53	
			For >500 To 1,000, Deduct	-0.86	
			For >1,000, Deduct	-1.19	
			For Galvanized Steel, Add	3.40	
			For 304 Stainless Steel, Add	15.62	
			For High Strength Steel (HSS), Add	1.87	
05 12 23 00-0478	LF		3-1/2" x 3" x 3/8" Angle Iron.....	10.02	2.99
			For >100 To 250, Deduct	-0.30	
			For >250 To 500, Deduct	-0.55	
			For >500 To 1,000, Deduct	-0.90	
			For >1,000, Deduct	-1.25	
			For Galvanized Steel, Add	3.74	
			For 304 Stainless Steel, Add	17.19	
			For High Strength Steel (HSS), Add	2.00	
05 12 23 00-0479	LF		3-1/2" x 3-1/2" x 3/8" Angle Iron.....	10.68	3.16
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.58	
			For >500 To 1,000, Deduct	-0.96	
			For >1,000, Deduct	-1.33	
			For Galvanized Steel, Add	4.01	
			For 304 Stainless Steel, Add	18.44	
			For High Strength Steel (HSS), Add	2.14	
05 12 23 00-0480	LF		4" x 3" x 3/8" Angle Iron.....	10.68	3.16
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.58	
			For >500 To 1,000, Deduct	-0.96	
			For >1,000, Deduct	-1.33	
			For Galvanized Steel, Add	4.01	
			For 304 Stainless Steel, Add	18.44	
			For High Strength Steel (HSS), Add	2.14	
05 12 23 00-0481	LF		4" x 3-1/2" x 3/8" Angle Iron.....	11.52	3.44
			For >100 To 250, Deduct	-0.34	
			For >250 To 500, Deduct	-0.63	
			For >500 To 1,000, Deduct	-1.04	
			For >1,000, Deduct	-1.44	
			For Galvanized Steel, Add	4.30	
			For 304 Stainless Steel, Add	19.75	
			For High Strength Steel (HSS), Add	2.30	
05 12 23 00-0482	LF		4" x 4" x 3/8" Angle Iron.....	12.18	3.54
			For >100 To 250, Deduct	-0.35	
			For >250 To 500, Deduct	-0.66	
			For >500 To 1,000, Deduct	-1.08	
			For >1,000, Deduct	-1.50	
			For Galvanized Steel, Add	4.63	
			For 304 Stainless Steel, Add	21.26	
			For High Strength Steel (HSS), Add	2.44	
05 12 23 00-0483	LF		5" x 3" x 3/8" Angle Iron.....	12.37	3.68
			For >100 To 250, Deduct	-0.37	
			For >250 To 500, Deduct	-0.68	
			For >500 To 1,000, Deduct	-1.11	
			For >1,000, Deduct	-1.54	
			For Galvanized Steel, Add	4.63	
			For 304 Stainless Steel, Add	21.26	
			For High Strength Steel (HSS), Add	2.47	
05 12 23 00-0484	LF		5" x 3-1/2" x 3/8" Angle Iron.....	13.21	3.96
			For >100 To 250, Deduct	-0.40	
			For >250 To 500, Deduct	-0.73	
			For >500 To 1,000, Deduct	-1.19	
			For >1,000, Deduct	-1.65	
			For Galvanized Steel, Add	4.91	
			For 304 Stainless Steel, Add	22.57	
			For High Strength Steel (HSS), Add	2.64	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0485	LF 5" x 5" x 3/8" Angle Iron	15.55	4.62
	For >100 To 250, Deduct	-0.46	
	For >250 To 500, Deduct	-0.85	
	For >500 To 1,000, Deduct	-1.39	
	For >1,000, Deduct	-1.94	
	For Galvanized Steel, Add	5.82	
	For 304 Stainless Steel, Add	26.76	
	For High Strength Steel (HSS), Add	3.11	
05 12 23 00-0486	LF 6" x 3-1/2" x 3/8" Angle Iron	14.64	4.30
	For >100 To 250, Deduct	-0.43	
	For >250 To 500, Deduct	-0.80	
	For >500 To 1,000, Deduct	-1.31	
	For >1,000, Deduct	-1.81	
	For Galvanized Steel, Add	5.52	
	For 304 Stainless Steel, Add	25.39	
	For High Strength Steel (HSS), Add	2.93	
05 12 23 00-0487	LF 6" x 4" x 3/8" Angle Iron	15.55	4.62
	For >100 To 250, Deduct	-0.46	
	For >250 To 500, Deduct	-0.85	
	For >500 To 1,000, Deduct	-1.39	
	For >1,000, Deduct	-1.94	
	For Galvanized Steel, Add	5.82	
	For 304 Stainless Steel, Add	26.76	
	For High Strength Steel (HSS), Add	3.11	
05 12 23 00-0488	LF 6" x 6" x 3/8" Angle Iron	18.77	5.55
	For >100 To 250, Deduct	-0.55	
	For >250 To 500, Deduct	-1.02	
	For >500 To 1,000, Deduct	-1.68	
	For >1,000, Deduct	-2.33	
	For Galvanized Steel, Add	7.06	
	For 304 Stainless Steel, Add	32.43	
	For High Strength Steel (HSS), Add	3.75	
05 12 23 00-0489	LF 7" x 4" x 3/8" Angle Iron	17.17	5.09
	For >100 To 250, Deduct	-0.51	
	For >250 To 500, Deduct	-0.94	
	For >500 To 1,000, Deduct	-1.54	
	For >1,000, Deduct	-2.14	
	For Galvanized Steel, Add	6.44	
	For 304 Stainless Steel, Add	29.58	
	For High Strength Steel (HSS), Add	3.43	
05 12 23 00-0490	1/2" Thick (05 12 23 00-0422)		
05 12 23 00-0491	LF 3" x 3" x 1/2" Angle Iron	11.14	2.97
	For >100 To 250, Deduct	-0.30	
	For >250 To 500, Deduct	-0.58	
	For >500 To 1,000, Deduct	-0.95	
	For >1,000, Deduct	-1.33	
	For Galvanized Steel, Add	4.45	
	For 304 Stainless Steel, Add	20.46	
	For High Strength Steel (HSS), Add	2.23	
05 12 23 00-0492	LF 4" x 3" x 1/2" Angle Iron	13.15	3.52
	For >100 To 250, Deduct	-0.35	
	For >250 To 500, Deduct	-0.68	
	For >500 To 1,000, Deduct	-1.13	
	For >1,000, Deduct	-1.57	
	For Galvanized Steel, Add	5.25	
	For 304 Stainless Steel, Add	24.14	
	For High Strength Steel (HSS), Add	2.63	
05 12 23 00-0493	LF 4" x 3-1/2" x 1/2" Angle Iron	14.12	3.77
	For >100 To 250, Deduct	-0.38	
	For >250 To 500, Deduct	-0.73	
	For >500 To 1,000, Deduct	-1.21	
	For >1,000, Deduct	-1.69	
	For Galvanized Steel, Add	5.64	
	For 304 Stainless Steel, Add	25.91	
	For High Strength Steel (HSS), Add	2.82	
05 12 23 00-0494	LF 4" x 4" x 1/2" Angle Iron	15.17	4.06
	For >100 To 250, Deduct	-0.41	
	For >250 To 500, Deduct	-0.78	
	For >500 To 1,000, Deduct	-1.30	
	For >1,000, Deduct	-1.81	
	For Galvanized Steel, Add	6.06	
	For 304 Stainless Steel, Add	27.84	
	For High Strength Steel (HSS), Add	3.03	
05 12 23 00-0495	LF 5" x 3" x 1/2" Angle Iron	15.17	4.06
	For >100 To 250, Deduct	-0.41	
	For >250 To 500, Deduct	-0.78	
	For >500 To 1,000, Deduct	-1.30	
	For >1,000, Deduct	-1.81	
	For Galvanized Steel, Add	6.06	
	For 304 Stainless Steel, Add	27.84	
	For High Strength Steel (HSS), Add	3.03	
05 12 23 00-0496	LF 5" x 3-1/2" x 1/2" Angle Iron	16.12	4.31
	For >100 To 250, Deduct	-0.43	
	For >250 To 500, Deduct	-0.83	
	For >500 To 1,000, Deduct	-1.38	
	For >1,000, Deduct	-1.93	
	For Galvanized Steel, Add	6.44	
	For 304 Stainless Steel, Add	29.58	
	For High Strength Steel (HSS), Add	3.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0497	LF		5" x 5" x 1/2" Angle Iron	19.21	5.13
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500 To 1,000, Deduct</i>	-1.64	
			<i>For >1,000, Deduct</i>	-2.30	
			<i>For Galvanized Steel, Add</i>	7.67	
			<i>For 304 Stainless Steel, Add</i>	35.25	
			<i>For High Strength Steel (HSS), Add</i>	3.84	
05 12 23 00-0498	LF		6" x 4" x 1/2" Angle Iron	19.21	5.13
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500 To 1,000, Deduct</i>	-1.64	
			<i>For >1,000, Deduct</i>	-2.30	
			<i>For Galvanized Steel, Add</i>	7.67	
			<i>For 304 Stainless Steel, Add</i>	35.25	
			<i>For High Strength Steel (HSS), Add</i>	3.84	
05 12 23 00-0499	LF		6" x 6" x 1/2" Angle Iron	23.23	6.21
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-1.20	
			<i>For >500 To 1,000, Deduct</i>	-1.99	
			<i>For >1,000, Deduct</i>	-2.78	
			<i>For Galvanized Steel, Add</i>	9.28	
			<i>For 304 Stainless Steel, Add</i>	42.64	
			<i>For High Strength Steel (HSS), Add</i>	4.65	
05 12 23 00-0500	LF		7" x 4" x 1/2" Angle Iron	21.22	5.66
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.10	
			<i>For >500 To 1,000, Deduct</i>	-1.82	
			<i>For >1,000, Deduct</i>	-2.54	
			<i>For Galvanized Steel, Add</i>	8.47	
			<i>For 304 Stainless Steel, Add</i>	38.93	
			<i>For High Strength Steel (HSS), Add</i>	4.24	
05 12 23 00-0501	LF		8" x 4" x 1/2" Angle Iron	23.23	6.21
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-1.20	
			<i>For >500 To 1,000, Deduct</i>	-1.99	
			<i>For >1,000, Deduct</i>	-2.78	
			<i>For Galvanized Steel, Add</i>	9.28	
			<i>For 304 Stainless Steel, Add</i>	42.64	
			<i>For High Strength Steel (HSS), Add</i>	4.65	
05 12 23 00-0502	LF		8" x 6" x 1/2" Angle Iron	27.27	7.28
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500 To 1,000, Deduct</i>	-2.33	
			<i>For >1,000, Deduct</i>	-3.26	
			<i>For Galvanized Steel, Add</i>	10.89	
			<i>For 304 Stainless Steel, Add</i>	50.05	
			<i>For High Strength Steel (HSS), Add</i>	5.45	
05 12 23 00-0503	LF		8" x 8" x 1/2" Angle Iron	31.30	8.36
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500 To 1,000, Deduct</i>	-2.68	
			<i>For >1,000, Deduct</i>	-3.74	
			<i>For Galvanized Steel, Add</i>	12.49	
			<i>For 304 Stainless Steel, Add</i>	57.43	
			<i>For High Strength Steel (HSS), Add</i>	6.26	
05 12 23 00-0504			5/8" Thick <small>(05 12 23 00-0422)</small>		
05 12 23 00-0505	LF		4" x 4" x 5/8" Angle Iron	18.19	4.64
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500 To 1,000, Deduct</i>	-1.53	
			<i>For >1,000, Deduct</i>	-2.14	
			<i>For Galvanized Steel, Add</i>	7.43	
			<i>For High Strength Steel (HSS), Add</i>	3.64	
05 12 23 00-0506	LF		5" x 3-1/2" x 5/8" Angle Iron	19.46	4.98
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.98	
			<i>For >500 To 1,000, Deduct</i>	-1.64	
			<i>For >1,000, Deduct</i>	-2.29	
			<i>For Galvanized Steel, Add</i>	7.95	
			<i>For High Strength Steel (HSS), Add</i>	3.89	
05 12 23 00-0507	LF		5" x 5" x 5/8" Angle Iron	23.16	5.92
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500 To 1,000, Deduct</i>	-1.95	
			<i>For >1,000, Deduct</i>	-2.72	
			<i>For Galvanized Steel, Add</i>	9.47	
			<i>For High Strength Steel (HSS), Add</i>	4.63	
05 12 23 00-0508	LF		6" x 4" x 5/8" Angle Iron	23.16	5.92
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500 To 1,000, Deduct</i>	-1.95	
			<i>For >1,000, Deduct</i>	-2.72	
			<i>For Galvanized Steel, Add</i>	9.47	
			<i>For High Strength Steel (HSS), Add</i>	4.63	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0509	LF		6" x 6" x 5/8" Angle Iron	28.03	7.16
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500 To 1,000, Deduct</i>	-2.36	
			<i>For >1,000, Deduct</i>	-3.30	
			<i>For Galvanized Steel, Add</i>	11.46	
			<i>For High Strength Steel (HSS), Add</i>	5.61	
05 12 23 00-0510	LF		7" x 4" x 5/8" Angle Iron	25.59	6.54
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500 To 1,000, Deduct</i>	-2.15	
			<i>For >1,000, Deduct</i>	-3.01	
			<i>For Galvanized Steel, Add</i>	10.46	
			<i>For High Strength Steel (HSS), Add</i>	5.12	
05 12 23 00-0511	LF		8" x 6" x 5/8" Angle Iron	33.01	8.44
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500 To 1,000, Deduct</i>	-2.78	
			<i>For >1,000, Deduct</i>	-3.88	
			<i>For Galvanized Steel, Add</i>	13.49	
			<i>For High Strength Steel (HSS), Add</i>	6.60	
05 12 23 00-0512	LF		8" x 8" x 5/8" Angle Iron	37.88	9.68
			<i>For >100 To 250, Deduct</i>	-0.97	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500 To 1,000, Deduct</i>	-3.19	
			<i>For >1,000, Deduct</i>	-4.45	
			<i>For Galvanized Steel, Add</i>	15.48	
			<i>For High Strength Steel (HSS), Add</i>	7.58	
05 12 23 00-0513			3/4" Thick (05 12 23 00-0422)		
05 12 23 00-0514	LF		4" x 4" x 3/4" Angle Iron	20.98	5.14
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-1.04	
			<i>For >500 To 1,000, Deduct</i>	-1.73	
			<i>For >1,000, Deduct</i>	-2.43	
			<i>For Galvanized Steel, Add</i>	8.76	
			<i>For High Strength Steel (HSS), Add</i>	4.20	
05 12 23 00-0515	LF		5" x 3-1/2" x 3/4" Angle Iron	22.43	5.49
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500 To 1,000, Deduct</i>	-1.85	
			<i>For >1,000, Deduct</i>	-2.60	
			<i>For Galvanized Steel, Add</i>	9.37	
			<i>For High Strength Steel (HSS), Add</i>	4.49	
05 12 23 00-0516	LF		5" x 5" x 3/4" Angle Iron	26.75	6.55
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500 To 1,000, Deduct</i>	-2.21	
			<i>For >1,000, Deduct</i>	-3.10	
			<i>For Galvanized Steel, Add</i>	11.17	
			<i>For High Strength Steel (HSS), Add</i>	5.35	
05 12 23 00-0517	LF		6" x 4" x 3/4" Angle Iron	26.75	6.55
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500 To 1,000, Deduct</i>	-2.21	
			<i>For >1,000, Deduct</i>	-3.10	
			<i>For Galvanized Steel, Add</i>	11.17	
			<i>For High Strength Steel (HSS), Add</i>	5.35	
05 12 23 00-0518	LF		6" x 6" x 3/4" Angle Iron	32.53	7.96
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500 To 1,000, Deduct</i>	-2.69	
			<i>For >1,000, Deduct</i>	-3.77	
			<i>For Galvanized Steel, Add</i>	13.58	
			<i>For High Strength Steel (HSS), Add</i>	6.51	
05 12 23 00-0519	LF		7" x 4" x 3/4" Angle Iron	29.69	7.27
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500 To 1,000, Deduct</i>	-2.45	
			<i>For >1,000, Deduct</i>	-3.44	
			<i>For Galvanized Steel, Add</i>	12.40	
			<i>For High Strength Steel (HSS), Add</i>	5.94	
05 12 23 00-0520	LF		8" x 4" x 3/4" Angle Iron	32.53	7.96
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500 To 1,000, Deduct</i>	-2.69	
			<i>For >1,000, Deduct</i>	-3.77	
			<i>For Galvanized Steel, Add</i>	13.58	
			<i>For High Strength Steel (HSS), Add</i>	6.51	
05 12 23 00-0521	LF		8" x 6" x 3/4" Angle Iron	38.31	9.38
			<i>For >100 To 250, Deduct</i>	-0.94	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500 To 1,000, Deduct</i>	-3.17	
			<i>For >1,000, Deduct</i>	-4.44	
			<i>For Galvanized Steel, Add</i>	16.00	
			<i>For High Strength Steel (HSS), Add</i>	7.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0522	LF		8" x 8" x 3/4" Angle Iron	44.09	10.79
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500 To 1,000, Deduct</i>	-3.64	
			<i>For >1,000, Deduct</i>	-5.11	
			<i>For Galvanized Steel, Add</i>	18.41	
			<i>For High Strength Steel (HSS), Add</i>	8.82	
05 12 23 00-0523			7/8" Thick (05 12 23 00-0422)		
05 12 23 00-0524	LF		5" x 5" x 7/8" Angle Iron	30.16	7.04
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500 To 1,000, Deduct</i>	-2.45	
			<i>For >1,000, Deduct</i>	-3.44	
			<i>For Galvanized Steel, Add</i>	12.87	
			<i>For High Strength Steel (HSS), Add</i>	6.03	
05 12 23 00-0525	LF		6" x 4" x 7/8" Angle Iron	30.16	7.04
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500 To 1,000, Deduct</i>	-2.45	
			<i>For >1,000, Deduct</i>	-3.44	
			<i>For Galvanized Steel, Add</i>	12.87	
			<i>For High Strength Steel (HSS), Add</i>	6.03	
05 12 23 00-0526	LF		6" x 6" x 7/8" Angle Iron	36.70	8.58
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500 To 1,000, Deduct</i>	-2.98	
			<i>For >1,000, Deduct</i>	-4.18	
			<i>For Galvanized Steel, Add</i>	15.67	
			<i>For High Strength Steel (HSS), Add</i>	7.34	
05 12 23 00-0527	LF		8" x 6" x 7/8" Angle Iron	43.35	10.12
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-2.10	
			<i>For >500 To 1,000, Deduct</i>	-3.52	
			<i>For >1,000, Deduct</i>	-4.94	
			<i>For Galvanized Steel, Add</i>	18.51	
			<i>For High Strength Steel (HSS), Add</i>	8.67	
05 12 23 00-0528	LF		8" x 8" x 7/8" Angle Iron	49.89	11.65
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500 To 1,000, Deduct</i>	-4.05	
			<i>For >1,000, Deduct</i>	-5.68	
			<i>For Galvanized Steel, Add</i>	21.30	
			<i>For High Strength Steel (HSS), Add</i>	9.98	
05 12 23 00-0529			Bar Channel (05 12 23 00-0421)		
05 12 23 00-0530	LF		1" x 1/2" x 1/8" Thick Bar Channel	2.39	
			<i>For 316 Stainless Steel, Add</i>	2.66	
			<i>For Aluminum, Add</i>	0.15	
			<i>For Galvanized Steel, Add</i>	0.51	
			<i>For 304 Stainless Steel, Add</i>	2.37	
			<i>For High Strength Steel (HSS), Add</i>	0.48	
05 12 23 00-0531	LF		1-1/4" x 1/2" x 1/8" Thick Bar Channel	2.69	
			<i>For 316 Stainless Steel, Add</i>	3.20	
			<i>For Aluminum, Add</i>	0.18	
			<i>For Galvanized Steel, Add</i>	0.62	
			<i>For 304 Stainless Steel, Add</i>	2.85	
			<i>For High Strength Steel (HSS), Add</i>	0.54	
05 12 23 00-0532	LF		1-1/2" x 1/2" x 1/8" Thick Bar Channel	2.93	
			<i>For 316 Stainless Steel, Add</i>	3.52	
			<i>For Aluminum, Add</i>	0.20	
			<i>For Galvanized Steel, Add</i>	0.68	
			<i>For 304 Stainless Steel, Add</i>	3.14	
			<i>For High Strength Steel (HSS), Add</i>	0.59	
05 12 23 00-0533	LF		1-1/2" x 3/4" x 1/8" Thick Bar Channel	3.33	
			<i>For 316 Stainless Steel, Add</i>	3.68	
			<i>For Aluminum, Add</i>	0.21	
			<i>For Galvanized Steel, Add</i>	0.71	
			<i>For 304 Stainless Steel, Add</i>	3.28	
			<i>For High Strength Steel (HSS), Add</i>	0.67	
05 12 23 00-0534	LF		2" x 1/2" x 1/8" Thick Bar Channel	3.59	
			<i>For 316 Stainless Steel, Add</i>	4.51	
			<i>For Aluminum, Add</i>	0.25	
			<i>For Galvanized Steel, Add</i>	0.87	
			<i>For 304 Stainless Steel, Add</i>	4.02	
05 12 23 00-0535	LF		2" x 1" x 1/8" Thick Bar Channel	4.70	
			<i>For 316 Stainless Steel, Add</i>	5.02	
			<i>For Aluminum, Add</i>	0.28	
			<i>For Galvanized Steel, Add</i>	0.97	
			<i>For 304 Stainless Steel, Add</i>	4.47	
05 12 23 00-0536			Channels - C (05 12 23 00-0421)		

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0537	LF	C2 x 1.78 - 2" Wide Channel.....	3.90	1.93
		For >100 To 250, Deduct	-0.19	
		For >250 To 500, Deduct	-0.29	
		For >500 To 1,000, Deduct	-0.45	
		For >1,000, Deduct	-0.61	
		For 316 Stainless Steel, Add	4.26	
		For Aluminum, Add	0.24	
		For Galvanized Steel, Add	0.82	
		For 304 Stainless Steel, Add	3.79	
05 12 23 00-0538	LF	C3 x 4.1 - 3" Wide Channel.....	6.83	2.77
		For >100 To 250, Deduct	-0.28	
		For >250 To 500, Deduct	-0.45	
		For >500 To 1,000, Deduct	-0.71	
		For >1,000, Deduct	-0.97	
		For 316 Stainless Steel, Add	10.02	
		For Aluminum, Add	0.56	
		For Galvanized Steel, Add	1.94	
		For 304 Stainless Steel, Add	8.92	
05 12 23 00-0539	LF	C3 x 5 - 3" Wide Channel.....	8.33	3.39
		For >100 To 250, Deduct	-0.34	
		For >250 To 500, Deduct	-0.55	
		For >500 To 1,000, Deduct	-0.87	
		For >1,000, Deduct	-1.19	
		For 316 Stainless Steel, Add	12.22	
		For Aluminum, Add	0.69	
		For Galvanized Steel, Add	2.37	
		For 304 Stainless Steel, Add	10.89	
05 12 23 00-0540	LF	C3 x 6 - 3" Wide Channel.....	10.00	4.06
		For >100 To 250, Deduct	-0.41	
		For >250 To 500, Deduct	-0.66	
		For >500 To 1,000, Deduct	-1.04	
		For >1,000, Deduct	-1.43	
		For 316 Stainless Steel, Add	14.66	
		For Aluminum, Add	0.82	
		For Galvanized Steel, Add	2.84	
		For 304 Stainless Steel, Add	13.05	
05 12 23 00-0541	LF	C4 x 5.4 - 4" Wide Channel.....	8.56	3.33
		For >100 To 250, Deduct	-0.33	
		For >250 To 500, Deduct	-0.55	
		For >500 To 1,000, Deduct	-0.87	
		For >1,000, Deduct	-1.20	
		For 316 Stainless Steel, Add	13.18	
		For Aluminum, Add	0.74	
		For Galvanized Steel, Add	2.55	
		For 304 Stainless Steel, Add	11.74	
05 12 23 00-0542	LF	C4 x 7.25 - 4" Wide Channel.....	11.49	4.47
		For >100 To 250, Deduct	-0.45	
		For >250 To 500, Deduct	-0.73	
		For >500 To 1,000, Deduct	-1.17	
		For >1,000, Deduct	-1.61	
		For 316 Stainless Steel, Add	17.70	
		For Aluminum, Add	1.00	
		For Galvanized Steel, Add	3.43	
		For 304 Stainless Steel, Add	15.76	
05 12 23 00-0543	LF	C5 x 6.7 - 5" Wide Channel.....	10.29	3.88
		For >100 To 250, Deduct	-0.39	
		For >250 To 500, Deduct	-0.65	
		For >500 To 1,000, Deduct	-1.03	
		For >1,000, Deduct	-1.42	
		For 316 Stainless Steel, Add	16.35	
		For Aluminum, Add	0.92	
		For Galvanized Steel, Add	3.17	
		For 304 Stainless Steel, Add	14.56	
05 12 23 00-0544	LF	C5 x 9 - 5" Wide Channel.....	13.83	5.22
		For >100 To 250, Deduct	-0.52	
		For >250 To 500, Deduct	-0.87	
		For >500 To 1,000, Deduct	-1.39	
		For >1,000, Deduct	-1.91	
		For 316 Stainless Steel, Add	21.98	
		For Aluminum, Add	1.24	
		For Galvanized Steel, Add	4.26	
		For 304 Stainless Steel, Add	19.58	
05 12 23 00-0545	LF	C6 x 8.2 - 6" Wide Channel.....	12.48	4.66
		For >100 To 250, Deduct	-0.47	
		For >250 To 500, Deduct	-0.78	
		For >500 To 1,000, Deduct	-1.25	
		For >1,000, Deduct	-1.71	
		For 316 Stainless Steel, Add	20.03	
		For Aluminum, Add	1.13	
		For Galvanized Steel, Add	3.88	
		For 304 Stainless Steel, Add	17.84	
05 12 23 00-0546	LF	C6 x 10.5 - 6" Wide Channel.....	15.97	5.97
		For >100 To 250, Deduct	-0.60	
		For >250 To 500, Deduct	-1.00	
		For >500 To 1,000, Deduct	-1.59	
		For >1,000, Deduct	-2.19	
		For 316 Stainless Steel, Add	25.63	
		For Aluminum, Add	1.44	
		For Galvanized Steel, Add	4.97	
		For 304 Stainless Steel, Add	22.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0547 LF C6 x 13 - 6" Wide Channel	19.77	7.39
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-1.97	
For >1,000, Deduct	-2.71	
For 316 Stainless Steel, Add	31.74	
For Aluminum, Add	1.79	
For Galvanized Steel, Add	6.15	
For 304 Stainless Steel, Add	28.27	
05 12 23 00-0548 LF C7 x 9.8 - 7" Wide Channel	14.88	5.55
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.93	
For >500 To 1,000, Deduct	-1.48	
For >1,000, Deduct	-2.04	
For 316 Stainless Steel, Add	23.94	
For Aluminum, Add	1.35	
For Galvanized Steel, Add	4.64	
For 304 Stainless Steel, Add	21.32	
05 12 23 00-0549 LF C7 x 12.25 - 7" Wide Channel	18.59	6.94
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-1.85	
For >1,000, Deduct	-2.55	
For 316 Stainless Steel, Add	29.92	
For Aluminum, Add	1.68	
For Galvanized Steel, Add	5.80	
For 304 Stainless Steel, Add	26.65	
05 12 23 00-0550 LF C7 x 14.75 - 7" Wide Channel	22.40	8.35
For >100 To 250, Deduct	-0.84	
For >250 To 500, Deduct	-1.40	
For >500 To 1,000, Deduct	-2.23	
For >1,000, Deduct	-3.07	
For 316 Stainless Steel, Add	36.03	
For Aluminum, Add	2.03	
For Galvanized Steel, Add	6.98	
For 304 Stainless Steel, Add	32.09	
05 12 23 00-0551 LF C8 x 11.5 - 8" Wide Channel	16.92	6.11
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.03	
For >500 To 1,000, Deduct	-1.66	
For >1,000, Deduct	-2.29	
For 316 Stainless Steel, Add	28.10	
For Aluminum, Add	1.58	
For Galvanized Steel, Add	5.44	
For 304 Stainless Steel, Add	25.02	
05 12 23 00-0552 LF C8 x 13.75 - 8" Wide Channel	20.23	7.30
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.24	
For >500 To 1,000, Deduct	-1.98	
For >1,000, Deduct	-2.73	
For 316 Stainless Steel, Add	33.60	
For Aluminum, Add	1.89	
For Galvanized Steel, Add	6.51	
For 304 Stainless Steel, Add	29.93	
05 12 23 00-0553 LF C8 x 18.75 - 8" Wide Channel	27.58	9.95
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.68	
For >500 To 1,000, Deduct	-2.71	
For >1,000, Deduct	-3.73	
For 316 Stainless Steel, Add	45.79	
For Aluminum, Add	2.58	
For Galvanized Steel, Add	8.87	
For 304 Stainless Steel, Add	40.78	
05 12 23 00-0554 LF C9 x 13.4 - 9" Wide Channel	19.72	7.11
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-1.20	
For >500 To 1,000, Deduct	-1.94	
For >1,000, Deduct	-2.67	
For 316 Stainless Steel, Add	32.74	
For Aluminum, Add	1.84	
For Galvanized Steel, Add	6.34	
For 304 Stainless Steel, Add	29.16	
05 12 23 00-0555 LF C9 x 15 - 9" Wide Channel	22.07	7.96
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.35	
For >500 To 1,000, Deduct	-2.17	
For >1,000, Deduct	-2.98	
For 316 Stainless Steel, Add	36.64	
For Aluminum, Add	2.06	
For Galvanized Steel, Add	7.10	
For 304 Stainless Steel, Add	32.63	
05 12 23 00-0556 LF C9 x 20 - 9" Wide Channel	29.43	10.62
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.80	
For >500 To 1,000, Deduct	-2.89	
For >1,000, Deduct	-3.98	
For 316 Stainless Steel, Add	48.86	
For Aluminum, Add	2.75	
For Galvanized Steel, Add	9.47	
For 304 Stainless Steel, Add	43.52	

05 Metals

05 10 Structural Metal Framing

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0557	LF	C10 x 15.3 - 10" Wide Channel.....	22.51	8.12
		<i>For >100 To 250, Deduct</i>	-0.81	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500 To 1,000, Deduct</i>	-2.21	
		<i>For >1,000, Deduct</i>	-3.04	
		<i>For 316 Stainless Steel, Add</i>	37.38	
		<i>For Aluminum, Add</i>	2.10	
		<i>For Galvanized Steel, Add</i>	7.24	
		<i>For 304 Stainless Steel, Add</i>	33.29	
05 12 23 00-0558	LF	C10 x 20 - 10" Wide Channel.....	29.43	10.62
		<i>For >100 To 250, Deduct</i>	-1.06	
		<i>For >250 To 500, Deduct</i>	-1.80	
		<i>For >500 To 1,000, Deduct</i>	-2.89	
		<i>For >1,000, Deduct</i>	-3.98	
		<i>For 316 Stainless Steel, Add</i>	48.86	
		<i>For Aluminum, Add</i>	2.75	
		<i>For Galvanized Steel, Add</i>	9.47	
		<i>For 304 Stainless Steel, Add</i>	43.52	
05 12 23 00-0559	LF	C10 x 25 - 10" Wide Channel.....	36.77	13.27
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-2.25	
		<i>For >500 To 1,000, Deduct</i>	-3.61	
		<i>For >1,000, Deduct</i>	-4.97	
		<i>For 316 Stainless Steel, Add</i>	61.06	
		<i>For Aluminum, Add</i>	3.43	
		<i>For Galvanized Steel, Add</i>	11.83	
		<i>For 304 Stainless Steel, Add</i>	54.38	
05 12 23 00-0560	LF	C10 x 30 - 10" Wide Channel.....	44.13	15.92
		<i>For >100 To 250, Deduct</i>	-1.59	
		<i>For >250 To 500, Deduct</i>	-2.70	
		<i>For >500 To 1,000, Deduct</i>	-4.33	
		<i>For >1,000, Deduct</i>	-5.96	
		<i>For 316 Stainless Steel, Add</i>	73.28	
		<i>For Aluminum, Add</i>	4.12	
		<i>For Galvanized Steel, Add</i>	14.20	
		<i>For 304 Stainless Steel, Add</i>	65.27	
05 12 23 00-0561	LF	C12 x 20.7 - 12" Wide Channel.....	30.46	10.99
		<i>For >100 To 250, Deduct</i>	-1.10	
		<i>For >250 To 500, Deduct</i>	-1.86	
		<i>For >500 To 1,000, Deduct</i>	-2.99	
		<i>For >1,000, Deduct</i>	-4.12	
		<i>For 316 Stainless Steel, Add</i>	50.56	
		<i>For Aluminum, Add</i>	2.84	
		<i>For Galvanized Steel, Add</i>	9.80	
		<i>For 304 Stainless Steel, Add</i>	45.03	
05 12 23 00-0562	LF	C12 x 25 - 12" Wide Channel.....	36.77	13.27
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-2.25	
		<i>For >500 To 1,000, Deduct</i>	-3.61	
		<i>For >1,000, Deduct</i>	-4.97	
		<i>For 316 Stainless Steel, Add</i>	61.06	
		<i>For Aluminum, Add</i>	3.43	
		<i>For Galvanized Steel, Add</i>	11.83	
		<i>For 304 Stainless Steel, Add</i>	54.38	
05 12 23 00-0563	LF	C12 x 30 - 12" Wide Channel.....	44.13	15.92
		<i>For >100 To 250, Deduct</i>	-1.59	
		<i>For >250 To 500, Deduct</i>	-2.70	
		<i>For >500 To 1,000, Deduct</i>	-4.33	
		<i>For >1,000, Deduct</i>	-5.96	
		<i>For 316 Stainless Steel, Add</i>	73.28	
		<i>For Aluminum, Add</i>	4.12	
		<i>For Galvanized Steel, Add</i>	14.20	
		<i>For 304 Stainless Steel, Add</i>	65.27	
05 12 23 00-0564	LF	C15 x 33.9 - 15" Wide Channel.....	49.87	17.99
		<i>For >100 To 250, Deduct</i>	-1.80	
		<i>For >250 To 500, Deduct</i>	-3.05	
		<i>For >500 To 1,000, Deduct</i>	-4.89	
		<i>For >1,000, Deduct</i>	-6.74	
		<i>For 316 Stainless Steel, Add</i>	82.82	
		<i>For Aluminum, Add</i>	4.66	
		<i>For Galvanized Steel, Add</i>	16.05	
		<i>For 304 Stainless Steel, Add</i>	73.76	
05 12 23 00-0565	LF	C15 x 40 - 15" Wide Channel.....	58.84	21.23
		<i>For >100 To 250, Deduct</i>	-2.12	
		<i>For >250 To 500, Deduct</i>	-3.59	
		<i>For >500 To 1,000, Deduct</i>	-5.77	
		<i>For >1,000, Deduct</i>	-7.95	
		<i>For 316 Stainless Steel, Add</i>	97.70	
		<i>For Aluminum, Add</i>	5.50	
		<i>For Galvanized Steel, Add</i>	18.93	
		<i>For 304 Stainless Steel, Add</i>	87.01	
05 12 23 00-0566	LF	C15 x 50 - 15" Wide Channel.....	73.56	26.54
		<i>For >100 To 250, Deduct</i>	-2.65	
		<i>For >250 To 500, Deduct</i>	-4.49	
		<i>For >500 To 1,000, Deduct</i>	-7.22	
		<i>For >1,000, Deduct</i>	-9.94	
		<i>For 316 Stainless Steel, Add</i>	122.14	
		<i>For Aluminum, Add</i>	6.87	
		<i>For Galvanized Steel, Add</i>	23.67	
		<i>For 304 Stainless Steel, Add</i>	108.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0567			Miscellaneous Channels - MC <small>(05 12 23 00-0421)</small>		
05 12 23 00-0568	LF		MC6 x 12 - 6" Wide Channel	18.25	6.83
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-1.14	
			For >500 To 1,000, Deduct	-1.82	
			For >1,000, Deduct	-2.51	
			For 316 Stainless Steel, Add	29.31	
			For Aluminum, Add	1.65	
			For Galvanized Steel, Add	5.68	
			For 304 Stainless Steel, Add	26.11	
05 12 23 00-0569	LF		MC6 x 15.1 - 6" Wide Channel	22.98	8.59
			For >100 To 250, Deduct	-0.86	
			For >250 To 500, Deduct	-1.43	
			For >500 To 1,000, Deduct	-2.29	
			For >1,000, Deduct	-3.15	
			For 316 Stainless Steel, Add	36.90	
			For Aluminum, Add	2.08	
			For Galvanized Steel, Add	7.15	
			For 304 Stainless Steel, Add	32.86	
05 12 23 00-0570	LF		MC6 x 15.3 - 6" Wide Channel	23.28	8.70
			For >100 To 250, Deduct	-0.87	
			For >250 To 500, Deduct	-1.45	
			For >500 To 1,000, Deduct	-2.32	
			For >1,000, Deduct	-3.20	
			For 316 Stainless Steel, Add	37.38	
			For Aluminum, Add	2.10	
			For Galvanized Steel, Add	7.24	
			For 304 Stainless Steel, Add	33.29	
05 12 23 00-0571	LF		MC6 x 16.3 - 6" Wide Channel	24.80	9.26
			For >100 To 250, Deduct	-0.93	
			For >250 To 500, Deduct	-1.55	
			For >500 To 1,000, Deduct	-2.48	
			For >1,000, Deduct	-3.41	
			For 316 Stainless Steel, Add	39.81	
			For Aluminum, Add	2.24	
			For Galvanized Steel, Add	7.71	
			For 304 Stainless Steel, Add	35.45	
05 12 23 00-0572	LF		MC6 x 18 - 6" Wide Channel	27.38	10.24
			For >100 To 250, Deduct	-1.02	
			For >250 To 500, Deduct	-1.71	
			For >500 To 1,000, Deduct	-2.73	
			For >1,000, Deduct	-3.76	
			For 316 Stainless Steel, Add	43.97	
			For Aluminum, Add	2.47	
			For Galvanized Steel, Add	8.52	
			For 304 Stainless Steel, Add	39.16	
05 12 23 00-0573	LF		MC7 x 17.6 - 7" Wide Channel	26.72	9.97
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.66	
			For >500 To 1,000, Deduct	-2.67	
			For >1,000, Deduct	-3.67	
			For 316 Stainless Steel, Add	42.98	
			For Aluminum, Add	2.42	
			For Galvanized Steel, Add	8.33	
			For 304 Stainless Steel, Add	38.28	
05 12 23 00-0574	LF		MC7 x 19.1 - 7" Wide Channel	29.00	10.82
			For >100 To 250, Deduct	-1.08	
			For >250 To 500, Deduct	-1.81	
			For >500 To 1,000, Deduct	-2.89	
			For >1,000, Deduct	-3.98	
			For 316 Stainless Steel, Add	46.66	
			For Aluminum, Add	2.62	
			For Galvanized Steel, Add	9.04	
			For 304 Stainless Steel, Add	41.55	
05 12 23 00-0575	LF		MC7 x 22.7 - 7" Wide Channel	34.47	12.85
			For >100 To 250, Deduct	-1.29	
			For >250 To 500, Deduct	-2.15	
			For >500 To 1,000, Deduct	-3.44	
			For >1,000, Deduct	-4.73	
			For 316 Stainless Steel, Add	55.46	
			For Aluminum, Add	3.12	
			For Galvanized Steel, Add	10.74	
			For 304 Stainless Steel, Add	49.39	
05 12 23 00-0576	LF		MC8 x 8.5 - 8" Wide Channel	12.51	4.51
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.76	
			For >500 To 1,000, Deduct	-1.23	
			For >1,000, Deduct	-1.69	
			For 316 Stainless Steel, Add	20.77	
			For Aluminum, Add	1.17	
			For Galvanized Steel, Add	4.02	
			For 304 Stainless Steel, Add	18.50	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0577	LF	MC8 x 18.7 - 8" Wide Channel.....	27.51	9.92
		For >100 To 250, Deduct	-0.99	
		For >250 To 500, Deduct	-1.68	
		For >500 To 1,000, Deduct	-2.70	
		For >1,000, Deduct	-3.72	
		For 316 Stainless Steel, Add	45.66	
		For Aluminum, Add	2.57	
		For Galvanized Steel, Add	8.85	
		For 304 Stainless Steel, Add	40.67	
05 12 23 00-0578	LF	MC8 x 20 - 8" Wide Channel.....	29.43	10.62
		For >100 To 250, Deduct	-1.06	
		For >250 To 500, Deduct	-1.80	
		For >500 To 1,000, Deduct	-2.89	
		For >1,000, Deduct	-3.98	
		For 316 Stainless Steel, Add	48.86	
		For Aluminum, Add	2.75	
		For Galvanized Steel, Add	9.47	
		For 304 Stainless Steel, Add	43.52	
05 12 23 00-0579	LF	MC8 x 21.4 - 8" Wide Channel.....	31.48	11.36
		For >100 To 250, Deduct	-1.14	
		For >250 To 500, Deduct	-1.92	
		For >500 To 1,000, Deduct	-3.09	
		For >1,000, Deduct	-4.25	
		For 316 Stainless Steel, Add	52.26	
		For Aluminum, Add	2.94	
		For Galvanized Steel, Add	10.12	
		For 304 Stainless Steel, Add	46.54	
05 12 23 00-0580	LF	MC8 x 22.8 - 8" Wide Channel.....	33.53	12.11
		For >100 To 250, Deduct	-1.21	
		For >250 To 500, Deduct	-2.05	
		For >500 To 1,000, Deduct	-3.29	
		For >1,000, Deduct	-4.53	
		For 316 Stainless Steel, Add	55.68	
		For Aluminum, Add	3.13	
		For Galvanized Steel, Add	10.79	
		For 304 Stainless Steel, Add	49.59	
05 12 23 00-0581	LF	MC9 x 23.9 - 9" Wide Channel.....	35.15	12.68
		For >100 To 250, Deduct	-1.27	
		For >250 To 500, Deduct	-2.15	
		For >500 To 1,000, Deduct	-3.45	
		For >1,000, Deduct	-4.75	
		For 316 Stainless Steel, Add	58.37	
		For Aluminum, Add	3.28	
		For Galvanized Steel, Add	11.31	
		For 304 Stainless Steel, Add	51.98	
05 12 23 00-0582	LF	MC9 x 25.4 - 9" Wide Channel.....	37.36	13.48
		For >100 To 250, Deduct	-1.35	
		For >250 To 500, Deduct	-2.28	
		For >500 To 1,000, Deduct	-3.67	
		For >1,000, Deduct	-5.05	
		For 316 Stainless Steel, Add	62.05	
		For Aluminum, Add	3.49	
		For Galvanized Steel, Add	12.02	
		For 304 Stainless Steel, Add	55.26	
05 12 23 00-0583	LF	MC10 x 6.5 - 10" Wide Channel.....	9.56	3.45
		For >100 To 250, Deduct	-0.35	
		For >250 To 500, Deduct	-0.58	
		For >500 To 1,000, Deduct	-0.94	
		For >1,000, Deduct	-1.29	
		For 316 Stainless Steel, Add	15.87	
		For Aluminum, Add	0.89	
		For Galvanized Steel, Add	3.08	
		For 304 Stainless Steel, Add	14.14	
05 12 23 00-0584	LF	MC10 x 8.4 - 10" Wide Channel.....	12.36	4.46
		For >100 To 250, Deduct	-0.45	
		For >250 To 500, Deduct	-0.76	
		For >500 To 1,000, Deduct	-1.21	
		For >1,000, Deduct	-1.67	
		For 316 Stainless Steel, Add	20.51	
		For Aluminum, Add	1.15	
		For Galvanized Steel, Add	3.97	
		For 304 Stainless Steel, Add	18.27	
05 12 23 00-0585	LF	MC10 x 21.9 - 10" Wide Channel.....	32.21	11.63
		For >100 To 250, Deduct	-1.16	
		For >250 To 500, Deduct	-1.97	
		For >500 To 1,000, Deduct	-3.16	
		For >1,000, Deduct	-4.35	
		For 316 Stainless Steel, Add	53.50	
		For Aluminum, Add	3.01	
		For Galvanized Steel, Add	10.37	
		For 304 Stainless Steel, Add	47.65	
05 12 23 00-0586	LF	MC10 x 24.9 - 10" Wide Channel.....	36.64	13.22
		For >100 To 250, Deduct	-1.32	
		For >250 To 500, Deduct	-2.24	
		For >500 To 1,000, Deduct	-3.60	
		For >1,000, Deduct	-4.95	
		For 316 Stainless Steel, Add	60.83	
		For Aluminum, Add	3.42	
		For Galvanized Steel, Add	11.79	
		For 304 Stainless Steel, Add	54.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0587	LF		MC10 x 25.3 - 10" Wide Channel.....	37.21	13.43
			For >100 To 250, Deduct	-1.34	
			For >250 To 500, Deduct	-2.27	
			For >500 To 1,000, Deduct	-3.65	
			For >1,000, Deduct	-5.03	
			For 316 Stainless Steel, Add	61.79	
			For Aluminum, Add	3.48	
			For Galvanized Steel, Add	11.97	
			For 304 Stainless Steel, Add	55.03	
05 12 23 00-0588	LF		MC10 x 28.3 - 10" Wide Channel.....	41.64	15.02
			For >100 To 250, Deduct	-1.50	
			For >250 To 500, Deduct	-2.54	
			For >500 To 1,000, Deduct	-4.09	
			For >1,000, Deduct	-5.63	
			For 316 Stainless Steel, Add	69.12	
			For Aluminum, Add	3.89	
			For Galvanized Steel, Add	13.39	
			For 304 Stainless Steel, Add	61.56	
05 12 23 00-0589	LF		MC10 x 28.5 - 10" Wide Channel.....	41.92	15.13
			For >100 To 250, Deduct	-1.51	
			For >250 To 500, Deduct	-2.56	
			For >500 To 1,000, Deduct	-4.11	
			For >1,000, Deduct	-5.67	
			For 316 Stainless Steel, Add	69.60	
			For Aluminum, Add	3.92	
			For Galvanized Steel, Add	13.49	
			For 304 Stainless Steel, Add	61.99	
05 12 23 00-0590	LF		MC10 x 33.6 - 10" Wide Channel.....	49.43	17.84
			For >100 To 250, Deduct	-1.78	
			For >250 To 500, Deduct	-3.02	
			For >500 To 1,000, Deduct	-4.85	
			For >1,000, Deduct	-6.68	
			For 316 Stainless Steel, Add	82.08	
			For Aluminum, Add	4.62	
			For Galvanized Steel, Add	15.90	
			For 304 Stainless Steel, Add	73.10	
05 12 23 00-0591	LF		MC10 x 41.1 - 10" Wide Channel.....	60.46	21.82
			For >100 To 250, Deduct	-2.18	
			For >250 To 500, Deduct	-3.69	
			For >500 To 1,000, Deduct	-5.93	
			For >1,000, Deduct	-8.17	
			For 316 Stainless Steel, Add	100.38	
			For Aluminum, Add	5.65	
			For Galvanized Steel, Add	19.45	
			For 304 Stainless Steel, Add	89.40	
05 12 23 00-0592	LF		MC12 x 30.9 - 12" Wide Channel.....	45.47	16.40
			For >100 To 250, Deduct	-1.64	
			For >250 To 500, Deduct	-2.78	
			For >500 To 1,000, Deduct	-4.46	
			For >1,000, Deduct	-6.15	
			For 316 Stainless Steel, Add	75.49	
			For Aluminum, Add	4.25	
			For Galvanized Steel, Add	14.63	
			For 304 Stainless Steel, Add	67.23	
05 12 23 00-0593	LF		MC12 x 32.9 - 12" Wide Channel.....	48.40	17.47
			For >100 To 250, Deduct	-1.75	
			For >250 To 500, Deduct	-2.96	
			For >500 To 1,000, Deduct	-4.75	
			For >1,000, Deduct	-6.54	
			For 316 Stainless Steel, Add	80.35	
			For Aluminum, Add	4.52	
			For Galvanized Steel, Add	15.57	
			For 304 Stainless Steel, Add	71.56	
05 12 23 00-0594	LF		MC12 x 35 - 12" Wide Channel	51.49	18.58
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-3.15	
			For >500 To 1,000, Deduct	-5.05	
			For >1,000, Deduct	-6.96	
			For 316 Stainless Steel, Add	85.50	
			For Aluminum, Add	4.81	
			For Galvanized Steel, Add	16.57	
			For 304 Stainless Steel, Add	76.15	
05 12 23 00-0595	LF		MC12 x 37 - 12" Wide Channel	54.43	19.64
			For >100 To 250, Deduct	-1.96	
			For >250 To 500, Deduct	-3.33	
			For >500 To 1,000, Deduct	-5.34	
			For >1,000, Deduct	-7.36	
			For 316 Stainless Steel, Add	90.37	
			For Aluminum, Add	5.08	
			For Galvanized Steel, Add	17.51	
			For 304 Stainless Steel, Add	80.48	
05 12 23 00-0596	LF		MC12 x 40 - 12" Wide Channel	58.84	21.23
			For >100 To 250, Deduct	-2.12	
			For >250 To 500, Deduct	-3.59	
			For >500 To 1,000, Deduct	-5.77	
			For >1,000, Deduct	-7.95	
			For 316 Stainless Steel, Add	97.70	
			For Aluminum, Add	5.50	
			For Galvanized Steel, Add	18.93	
			For 304 Stainless Steel, Add	87.01	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0597	LF	MC12 x 45 - 12" Wide Channel.....	66.20	23.89
		<i>For >100 To 250, Deduct</i>	-2.39	
		<i>For >250 To 500, Deduct</i>	-4.04	
		<i>For >500 To 1,000, Deduct</i>	-6.50	
		<i>For >1,000, Deduct</i>	-8.95	
		<i>For 316 Stainless Steel, Add</i>	109.92	
		<i>For Aluminum, Add</i>	6.18	
		<i>For Galvanized Steel, Add</i>	21.30	
		<i>For 304 Stainless Steel, Add</i>	97.90	
05 12 23 00-0598	LF	MC12 x 50 - 12" Wide Channel.....	73.56	26.54
		<i>For >100 To 250, Deduct</i>	-2.65	
		<i>For >250 To 500, Deduct</i>	-4.49	
		<i>For >500 To 1,000, Deduct</i>	-7.22	
		<i>For >1,000, Deduct</i>	-9.94	
		<i>For 316 Stainless Steel, Add</i>	122.14	
		<i>For Aluminum, Add</i>	6.87	
		<i>For Galvanized Steel, Add</i>	23.67	
		<i>For 304 Stainless Steel, Add</i>	108.78	
05 12 23 00-0599	LF	MC13 x 31.8 - 13" Wide Channel.....	46.77	16.88
		<i>For >100 To 250, Deduct</i>	-1.69	
		<i>For >250 To 500, Deduct</i>	-2.86	
		<i>For >500 To 1,000, Deduct</i>	-4.59	
		<i>For >1,000, Deduct</i>	-6.32	
		<i>For 316 Stainless Steel, Add</i>	77.66	
		<i>For Aluminum, Add</i>	4.37	
		<i>For Galvanized Steel, Add</i>	15.05	
		<i>For 304 Stainless Steel, Add</i>	69.17	
05 12 23 00-0600	LF	MC13 x 35 - 13" Wide Channel.....	51.49	18.58
		<i>For >100 To 250, Deduct</i>	-1.86	
		<i>For >250 To 500, Deduct</i>	-3.15	
		<i>For >500 To 1,000, Deduct</i>	-5.05	
		<i>For >1,000, Deduct</i>	-6.96	
		<i>For 316 Stainless Steel, Add</i>	85.50	
		<i>For Aluminum, Add</i>	4.81	
		<i>For Galvanized Steel, Add</i>	16.57	
		<i>For 304 Stainless Steel, Add</i>	76.15	
05 12 23 00-0601	LF	MC13 x 40 - 13" Wide Channel.....	58.84	21.23
		<i>For >100 To 250, Deduct</i>	-2.12	
		<i>For >250 To 500, Deduct</i>	-3.59	
		<i>For >500 To 1,000, Deduct</i>	-5.77	
		<i>For >1,000, Deduct</i>	-7.95	
		<i>For 316 Stainless Steel, Add</i>	97.70	
		<i>For Aluminum, Add</i>	5.50	
		<i>For Galvanized Steel, Add</i>	18.93	
		<i>For 304 Stainless Steel, Add</i>	87.01	
05 12 23 00-0602	LF	MC13 x 50 - 13" Wide Channel.....	73.56	26.54
		<i>For >100 To 250, Deduct</i>	-2.65	
		<i>For >250 To 500, Deduct</i>	-4.49	
		<i>For >500 To 1,000, Deduct</i>	-7.22	
		<i>For >1,000, Deduct</i>	-9.94	
		<i>For 316 Stainless Steel, Add</i>	122.14	
		<i>For Aluminum, Add</i>	6.87	
		<i>For Galvanized Steel, Add</i>	23.67	
		<i>For 304 Stainless Steel, Add</i>	108.78	
05 12 23 00-0603	LF	MC18 x 42.7 - 18" Wide Channel.....	62.81	22.67
		<i>For >100 To 250, Deduct</i>	-2.27	
		<i>For >250 To 500, Deduct</i>	-3.84	
		<i>For >500 To 1,000, Deduct</i>	-6.16	
		<i>For >1,000, Deduct</i>	-8.49	
		<i>For 316 Stainless Steel, Add</i>	104.29	
		<i>For Aluminum, Add</i>	5.87	
		<i>For Galvanized Steel, Add</i>	20.21	
		<i>For 304 Stainless Steel, Add</i>	92.88	
05 12 23 00-0604	LF	MC18 x 45.8 - 18" Wide Channel.....	67.38	24.31
		<i>For >100 To 250, Deduct</i>	-2.43	
		<i>For >250 To 500, Deduct</i>	-4.12	
		<i>For >500 To 1,000, Deduct</i>	-6.61	
		<i>For >1,000, Deduct</i>	-9.11	
		<i>For 316 Stainless Steel, Add</i>	111.87	
		<i>For Aluminum, Add</i>	6.29	
		<i>For Galvanized Steel, Add</i>	21.68	
		<i>For 304 Stainless Steel, Add</i>	99.64	
05 12 23 00-0605	LF	MC18 x 51.9 - 18" Wide Channel.....	76.35	27.55
		<i>For >100 To 250, Deduct</i>	-2.75	
		<i>For >250 To 500, Deduct</i>	-4.66	
		<i>For >500 To 1,000, Deduct</i>	-7.49	
		<i>For >1,000, Deduct</i>	-10.32	
		<i>For 316 Stainless Steel, Add</i>	126.78	
		<i>For Aluminum, Add</i>	7.13	
		<i>For Galvanized Steel, Add</i>	24.56	
		<i>For 304 Stainless Steel, Add</i>	112.92	
05 12 23 00-0606	LF	MC18 x 58 - 18" Wide Channel.....	85.32	30.79
		<i>For >100 To 250, Deduct</i>	-3.08	
		<i>For >250 To 500, Deduct</i>	-5.21	
		<i>For >500 To 1,000, Deduct</i>	-8.37	
		<i>For >1,000, Deduct</i>	-11.53	
		<i>For 316 Stainless Steel, Add</i>	141.66	
		<i>For Aluminum, Add</i>	7.97	
		<i>For Galvanized Steel, Add</i>	27.45	
		<i>For 304 Stainless Steel, Add</i>	126.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0607 Structural Bar Tees <small>(05 12 23 00-0421)</small>		
05 12 23 00-0608 LF 3/4" x 3/4" x 1/8" Structural Bar Tee	2.50	1.42
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.20	
For >500 To 1,000, Deduct	-0.31	
For >1,000, Deduct	-0.42	
For 316 Stainless Steel, Add	1.98	
For Aluminum, Add	0.11	
For Galvanized Steel, Add	0.38	
For 304 Stainless Steel, Add	1.77	
05 12 23 00-0609 LF 1" x 1" x 1/8" Structural Bar Tee	3.06	1.67
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.24	
For >500 To 1,000, Deduct	-0.37	
For >1,000, Deduct	-0.51	
For 316 Stainless Steel, Add	2.72	
For Aluminum, Add	0.15	
For Galvanized Steel, Add	0.53	
For 304 Stainless Steel, Add	2.42	
05 12 23 00-0610 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	4.99	1.92
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.51	
For >1,000, Deduct	-0.70	
For 316 Stainless Steel, Add	7.74	
For Aluminum, Add	0.44	
For Galvanized Steel, Add	1.50	
For 304 Stainless Steel, Add	6.90	
05 12 23 00-0611 LF 2" x 2" x 1/4" Structural Bar Tee	6.96	2.52
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.43	
For >500 To 1,000, Deduct	-0.68	
For >1,000, Deduct	-0.94	
For 316 Stainless Steel, Add	11.52	
For Aluminum, Add	0.65	
For Galvanized Steel, Add	2.23	
For 304 Stainless Steel, Add	10.26	
05 12 23 00-0612 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	10.52	3.03
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.57	
For >500 To 1,000, Deduct	-0.93	
For >1,000, Deduct	-1.30	
For 316 Stainless Steel, Add	20.70	
For Aluminum, Add	1.16	
For Galvanized Steel, Add	4.01	
For 304 Stainless Steel, Add	18.44	
05 12 23 00-0613 LF 3" x 3" x 3/8" Structural Bar Tee	12.95	3.88
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.71	
For >500 To 1,000, Deduct	-1.17	
For >1,000, Deduct	-1.62	
For 316 Stainless Steel, Add	24.86	
For Aluminum, Add	1.40	
For Galvanized Steel, Add	4.82	
For 304 Stainless Steel, Add	22.14	
05 12 23 00-0614 Structural Zees <small>(05 12 23 00-0421)</small>		
05 12 23 00-0615 LF 1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	6.18	1.92
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.57	
For >1,000, Deduct	-0.78	
For 316 Stainless Steel, Add	11.55	
For Aluminum, Add	0.65	
For Galvanized Steel, Add	2.24	
For 304 Stainless Steel, Add	10.29	
05 12 23 00-0616 LF 2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	11.68	2.30
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-0.89	
For >1,000, Deduct	-1.26	
For 316 Stainless Steel, Add	27.62	
For Aluminum, Add	1.55	
For Galvanized Steel, Add	5.35	
For 304 Stainless Steel, Add	24.60	
05 12 23 00-0617 LF 3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	14.02	2.59
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.61	
For >500 To 1,000, Deduct	-1.05	
For >1,000, Deduct	-1.48	
For 316 Stainless Steel, Add	33.82	
For Aluminum, Add	1.90	
For Galvanized Steel, Add	6.55	
For 304 Stainless Steel, Add	30.12	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0618	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	18.89	2.96
		<i>For >100 To 250, Deduct</i>	-0.30	
		<i>For >250 To 500, Deduct</i>	-0.77	
		<i>For >500 To 1,000, Deduct</i>	-1.34	
		<i>For >1,000, Deduct</i>	-1.91	
		<i>For 316 Stainless Steel, Add</i>	47.84	
		<i>For Aluminum, Add</i>	2.69	
		<i>For Galvanized Steel, Add</i>	9.27	
		<i>For 304 Stainless Steel, Add</i>	42.61	
05 12 23 00-0619	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	24.52	3.22
		<i>For >100 To 250, Deduct</i>	-0.32	
		<i>For >250 To 500, Deduct</i>	-0.93	
		<i>For >500 To 1,000, Deduct</i>	-1.66	
		<i>For >1,000, Deduct</i>	-2.38	
		<i>For 316 Stainless Steel, Add</i>	64.74	
		<i>For Aluminum, Add</i>	3.64	
		<i>For Galvanized Steel, Add</i>	12.54	
		<i>For 304 Stainless Steel, Add</i>	57.66	
05 12 23 00-0620		Junior I-Beams (05 12 23 00-0421)		
05 12 23 00-0621	LF	3" Junior I-Beam, 2.9 LB/LF	8.46	2.77
		<i>For >100 To 250, Deduct</i>	-0.28	
		<i>For >250 To 500, Deduct</i>	-0.49	
		<i>For >500 To 1,000, Deduct</i>	-0.79	
		<i>For >1,000, Deduct</i>	-1.10	
		<i>For 316 Stainless Steel, Add</i>	15.23	
		<i>For Aluminum, Add</i>	0.86	
		<i>For Galvanized Steel, Add</i>	2.95	
		<i>For 304 Stainless Steel, Add</i>	13.57	
05 12 23 00-0622	LF	4" Junior I-Beam, 3.2 LB/LF	9.30	3.03
		<i>For >100 To 250, Deduct</i>	-0.30	
		<i>For >250 To 500, Deduct</i>	-0.54	
		<i>For >500 To 1,000, Deduct</i>	-0.87	
		<i>For >1,000, Deduct</i>	-1.20	
		<i>For 316 Stainless Steel, Add</i>	16.80	
		<i>For Aluminum, Add</i>	0.95	
		<i>For Galvanized Steel, Add</i>	3.26	
		<i>For 304 Stainless Steel, Add</i>	14.96	
05 12 23 00-0623	LF	5" Junior I-Beam, 3.8 LB/LF	10.67	3.33
		<i>For >100 To 250, Deduct</i>	-0.33	
		<i>For >250 To 500, Deduct</i>	-0.60	
		<i>For >500 To 1,000, Deduct</i>	-0.98	
		<i>For >1,000, Deduct</i>	-1.36	
		<i>For 316 Stainless Steel, Add</i>	19.94	
		<i>For Aluminum, Add</i>	1.12	
		<i>For Galvanized Steel, Add</i>	3.86	
		<i>For 304 Stainless Steel, Add</i>	17.76	
05 12 23 00-0624	LF	6" Junior I-Beam, 4.4 LB/LF	12.05	3.62
		<i>For >100 To 250, Deduct</i>	-0.36	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500 To 1,000, Deduct</i>	-1.09	
		<i>For >1,000, Deduct</i>	-1.51	
		<i>For 316 Stainless Steel, Add</i>	23.10	
		<i>For Aluminum, Add</i>	1.30	
		<i>For Galvanized Steel, Add</i>	4.48	
		<i>For 304 Stainless Steel, Add</i>	20.58	
05 12 23 00-0625	LF	7" Junior I-Beam, 5.5 LB/LF	14.20	3.88
		<i>For >100 To 250, Deduct</i>	-0.39	
		<i>For >250 To 500, Deduct</i>	-0.74	
		<i>For >500 To 1,000, Deduct</i>	-1.23	
		<i>For >1,000, Deduct</i>	-1.71	
		<i>For 316 Stainless Steel, Add</i>	28.86	
		<i>For Aluminum, Add</i>	1.62	
		<i>For Galvanized Steel, Add</i>	5.59	
		<i>For 304 Stainless Steel, Add</i>	25.71	
05 12 23 00-0626	LF	8" Junior I-Beam, 6.5 LB/LF	16.18	4.15
		<i>For >100 To 250, Deduct</i>	-0.41	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500 To 1,000, Deduct</i>	-1.36	
		<i>For >1,000, Deduct</i>	-1.90	
		<i>For 316 Stainless Steel, Add</i>	34.11	
		<i>For Aluminum, Add</i>	1.92	
		<i>For Galvanized Steel, Add</i>	6.61	
		<i>For 304 Stainless Steel, Add</i>	30.38	
05 12 23 00-0627	LF	10" Junior I-Beam, 9 LB/LF	21.07	4.73
		<i>For >100 To 250, Deduct</i>	-0.47	
		<i>For >250 To 500, Deduct</i>	-1.00	
		<i>For >500 To 1,000, Deduct</i>	-1.68	
		<i>For >1,000, Deduct</i>	-2.37	
		<i>For 316 Stainless Steel, Add</i>	47.23	
		<i>For Aluminum, Add</i>	2.66	
		<i>For Galvanized Steel, Add</i>	9.15	
		<i>For 304 Stainless Steel, Add</i>	42.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0628	LF		12" Junior I-Beam, 11.8 LB/LF.....	26.84	5.62
			For >100 To 250, Deduct	-0.56	
			For >250 To 500, Deduct	-1.23	
			For >500 To 1,000, Deduct	-2.09	
			For >1,000, Deduct	-2.95	
			For 316 Stainless Steel, Add	61.92	
			For Aluminum, Add	3.48	
			For Galvanized Steel, Add	12.00	
			For 304 Stainless Steel, Add	55.15	
05 12 23 00-0629			Round Stock (05 12 23 00-0421)		
05 12 23 00-0630	LF		1/4" Carbon Steel Rounds, ASTM A108.....	1.22	
			For 316 Stainless Steel, Add	2.30	
			For Aluminum, Add	0.13	
			For Galvanized Steel, Add	0.45	
			For 304 Stainless Steel, Add	2.05	
05 12 23 00-0631	LF		3/8" Carbon Steel Rounds, ASTM A108.....	1.97	
			For 316 Stainless Steel, Add	4.51	
			For Aluminum, Add	0.25	
			For Galvanized Steel, Add	0.87	
			For 304 Stainless Steel, Add	4.02	
05 12 23 00-0632	LF		1/2" Carbon Steel Rounds, ASTM A108.....	2.77	
			For 316 Stainless Steel, Add	6.88	
			For Aluminum, Add	0.39	
			For Galvanized Steel, Add	1.33	
			For 304 Stainless Steel, Add	6.13	
05 12 23 00-0633	LF		5/8" Carbon Steel Rounds, ASTM A108.....	4.28	
			For 316 Stainless Steel, Add	11.49	
			For Aluminum, Add	0.65	
			For Galvanized Steel, Add	2.23	
			For 304 Stainless Steel, Add	10.23	
05 12 23 00-0634	LF		3/4" Carbon Steel Rounds, ASTM A108.....	5.09	
			For 316 Stainless Steel, Add	13.66	
			For Aluminum, Add	0.77	
			For Galvanized Steel, Add	2.65	
			For 304 Stainless Steel, Add	12.17	
05 12 23 00-0635	LF		7/8" Carbon Steel Rounds, ASTM A108.....	5.93	
			For 316 Stainless Steel, Add	15.94	
			For Aluminum, Add	0.90	
			For Galvanized Steel, Add	3.09	
			For 304 Stainless Steel, Add	14.19	
05 12 23 00-0636	LF		1" Carbon Steel Rounds, ASTM A108.....	8.72	
			For 316 Stainless Steel, Add	24.32	
			For Aluminum, Add	1.37	
			For Galvanized Steel, Add	4.71	
			For 304 Stainless Steel, Add	21.66	
05 12 23 00-0637	LF		1-1/8" Carbon Steel Rounds, ASTM A108.....	10.60	
			For 316 Stainless Steel, Add	29.54	
			For Aluminum, Add	1.66	
			For Galvanized Steel, Add	5.72	
			For 304 Stainless Steel, Add	26.31	
05 12 23 00-0638	LF		1-1/4" Carbon Steel Rounds, ASTM A108.....	12.62	
			For 316 Stainless Steel, Add	34.75	
			For Aluminum, Add	1.95	
			For Galvanized Steel, Add	6.73	
			For 304 Stainless Steel, Add	30.95	
05 12 23 00-0639	LF		1-3/8" Carbon Steel Rounds, ASTM A108.....	15.31	
			For 316 Stainless Steel, Add	42.43	
			For Aluminum, Add	2.39	
			For Galvanized Steel, Add	8.22	
			For 304 Stainless Steel, Add	37.79	
05 12 23 00-0640	LF		1-1/2" Carbon Steel Rounds, ASTM A108.....	17.01	
			For 316 Stainless Steel, Add	46.53	
			For Aluminum, Add	2.62	
			For Galvanized Steel, Add	9.01	
			For 304 Stainless Steel, Add	41.44	
05 12 23 00-0641	LF		1-5/8" Carbon Steel Rounds, ASTM A108.....	19.56	
			For 316 Stainless Steel, Add	52.74	
			For Aluminum, Add	2.97	
			For Galvanized Steel, Add	10.22	
			For 304 Stainless Steel, Add	46.97	
05 12 23 00-0642	LF		1-3/4" Carbon Steel Rounds, ASTM A108.....	23.29	
			For 316 Stainless Steel, Add	61.38	
			For Aluminum, Add	3.45	
			For Galvanized Steel, Add	11.89	
			For 304 Stainless Steel, Add	54.66	
05 12 23 00-0643	LF		1-7/8" Carbon Steel Rounds, ASTM A108.....	27.88	
			For 316 Stainless Steel, Add	71.87	
			For Aluminum, Add	4.04	
			For Galvanized Steel, Add	13.93	
			For 304 Stainless Steel, Add	64.01	
05 12 23 00-0644	LF		2" Carbon Steel Rounds, ASTM A108.....	31.71	
			For 316 Stainless Steel, Add	79.97	
			For Aluminum, Add	4.50	
			For Galvanized Steel, Add	15.49	
			For 304 Stainless Steel, Add	71.22	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0645	LF	2-1/8"	Carbon Steel Rounds, ASTM A108	36.88	
			<i>For 316 Stainless Steel, Add</i>	91.33	
			<i>For Aluminum, Add</i>	5.14	
			<i>For Galvanized Steel, Add</i>	17.69	
			<i>For 304 Stainless Steel, Add</i>	81.34	
05 12 23 00-0646	LF	2-1/4"	Carbon Steel Rounds, ASTM A108	41.67	
			<i>For 316 Stainless Steel, Add</i>	102.66	
			<i>For Aluminum, Add</i>	5.77	
			<i>For Galvanized Steel, Add</i>	19.89	
			<i>For 304 Stainless Steel, Add</i>	91.43	
05 12 23 00-0647	LF	2-3/8"	Carbon Steel Rounds, ASTM A108	47.73	
			<i>For 316 Stainless Steel, Add</i>	117.44	
			<i>For Aluminum, Add</i>	6.61	
			<i>For Galvanized Steel, Add</i>	22.75	
			<i>For 304 Stainless Steel, Add</i>	104.60	
05 12 23 00-0648	LF	2-1/2"	Carbon Steel Rounds, ASTM A108	52.51	
			<i>For 316 Stainless Steel, Add</i>	126.56	
			<i>For Aluminum, Add</i>	7.12	
			<i>For Galvanized Steel, Add</i>	24.52	
			<i>For 304 Stainless Steel, Add</i>	112.72	
05 12 23 00-0649	LF	2-3/8"	Carbon Steel Rounds, ASTM A108	64.64	
			<i>For 316 Stainless Steel, Add</i>	160.77	
			<i>For Aluminum, Add</i>	9.04	
			<i>For Galvanized Steel, Add</i>	31.15	
			<i>For 304 Stainless Steel, Add</i>	143.18	
05 12 23 00-0650	LF	2-3/4"	Carbon Steel Rounds, ASTM A108	73.60	
			<i>For 316 Stainless Steel, Add</i>	183.33	
			<i>For Aluminum, Add</i>	10.31	
			<i>For Galvanized Steel, Add</i>	35.52	
			<i>For 304 Stainless Steel, Add</i>	163.28	
05 12 23 00-0651	LF	2-7/8"	Carbon Steel Rounds, ASTM A108	82.08	
			<i>For 316 Stainless Steel, Add</i>	204.29	
			<i>For Aluminum, Add</i>	11.49	
			<i>For Galvanized Steel, Add</i>	39.58	
			<i>For 304 Stainless Steel, Add</i>	181.94	
05 12 23 00-0652	LF	3"	Carbon Steel Rounds, ASTM A108	85.91	
			<i>For 316 Stainless Steel, Add</i>	210.43	
			<i>For Aluminum, Add</i>	11.84	
			<i>For Galvanized Steel, Add</i>	40.77	
			<i>For 304 Stainless Steel, Add</i>	187.42	
05 12 23 00-0653	LF	3-1/8"	Carbon Steel Rounds, ASTM A108	89.30	
			<i>For 316 Stainless Steel, Add</i>	215.10	
			<i>For Aluminum, Add</i>	12.10	
			<i>For Galvanized Steel, Add</i>	41.68	
			<i>For 304 Stainless Steel, Add</i>	191.58	
05 12 23 00-0654	LF	3-1/4"	Carbon Steel Rounds, ASTM A108	93.95	
			<i>For 316 Stainless Steel, Add</i>	223.87	
			<i>For Aluminum, Add</i>	12.59	
			<i>For Galvanized Steel, Add</i>	43.38	
			<i>For 304 Stainless Steel, Add</i>	199.39	
05 12 23 00-0655	LF	3-1/2"	Carbon Steel Rounds, ASTM A108	115.16	
			<i>For 316 Stainless Steel, Add</i>	284.06	
			<i>For Aluminum, Add</i>	15.98	
			<i>For Galvanized Steel, Add</i>	55.04	
			<i>For 304 Stainless Steel, Add</i>	252.99	
05 12 23 00-0656	LF	3-5/8"	Carbon Steel Rounds, ASTM A108	128.09	
			<i>For 316 Stainless Steel, Add</i>	317.76	
			<i>For Aluminum, Add</i>	17.87	
			<i>For Galvanized Steel, Add</i>	61.57	
			<i>For 304 Stainless Steel, Add</i>	283.01	
05 12 23 00-0657	LF	3-3/4"	Carbon Steel Rounds, ASTM A108	137.41	
			<i>For 316 Stainless Steel, Add</i>	339.90	
			<i>For Aluminum, Add</i>	19.12	
			<i>For Galvanized Steel, Add</i>	65.86	
			<i>For 304 Stainless Steel, Add</i>	302.73	
05 12 23 00-0658	LF	4"	Carbon Steel Rounds, ASTM A108	154.53	
			<i>For 316 Stainless Steel, Add</i>	387.01	
			<i>For Aluminum, Add</i>	21.77	
			<i>For Galvanized Steel, Add</i>	74.98	
			<i>For 304 Stainless Steel, Add</i>	344.68	
05 12 23 00-0659	Square Stock (05 12 23 00-0421)				
05 12 23 00-0660	LF	3/8"	Square Bar Stock	0.92	
			<i>For 316 Stainless Steel, Add</i>	1.15	
			<i>For Aluminum, Add</i>	0.06	
			<i>For Galvanized Steel, Add</i>	0.22	
			<i>For 304 Stainless Steel, Add</i>	1.03	
05 12 23 00-0661	LF	1/2"	Square Bar Stock	1.26	
			<i>For 316 Stainless Steel, Add</i>	2.05	
			<i>For Aluminum, Add</i>	0.12	
			<i>For Galvanized Steel, Add</i>	0.40	
			<i>For 304 Stainless Steel, Add</i>	1.82	
05 12 23 00-0662	LF	5/8"	Square Bar Stock	1.70	
			<i>For 316 Stainless Steel, Add</i>	3.23	
			<i>For Aluminum, Add</i>	0.18	
			<i>For Galvanized Steel, Add</i>	0.63	
			<i>For 304 Stainless Steel, Add</i>	2.88	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0663	LF		3/4" Square Bar Stock .....2.27		
			For 316 Stainless Steel, Add	4.64	
			For Aluminum, Add	0.26	
			For Galvanized Steel, Add	0.90	
			For 304 Stainless Steel, Add	4.13	
05 12 23 00-0664	LF		7/8" Square Bar Stock .....2.98		
			For 316 Stainless Steel, Add	6.50	
			For Aluminum, Add	0.37	
			For Galvanized Steel, Add	1.26	
			For 304 Stainless Steel, Add	5.79	
05 12 23 00-0665	LF		1" Square Bar Stock .....3.71		
			For 316 Stainless Steel, Add	8.29	
			For Aluminum, Add	0.47	
			For Galvanized Steel, Add	1.61	
			For 304 Stainless Steel, Add	7.38	
05 12 23 00-0666	LF		1-1/4" Square Bar Stock .....5.80		
			For 316 Stainless Steel, Add	12.93	
			For Aluminum, Add	0.73	
			For Galvanized Steel, Add	2.50	
			For 304 Stainless Steel, Add	11.51	
05 12 23 00-0667	LF		1-1/2" Square Bar Stock .....8.29		
			For 316 Stainless Steel, Add	18.62	
			For Aluminum, Add	1.05	
			For Galvanized Steel, Add	3.61	
			For 304 Stainless Steel, Add	16.59	
05 12 23 00-0668	LF		1-3/4" Square Bar Stock .....12.21		
			For 316 Stainless Steel, Add	25.92	
			For Aluminum, Add	1.46	
			For Galvanized Steel, Add	5.02	
			For 304 Stainless Steel, Add	23.09	
05 12 23 00-0669	LF		2" Square Bar Stock .....17.27		
			For 316 Stainless Steel, Add	33.15	
			For Aluminum, Add	1.86	
			For Galvanized Steel, Add	6.42	
			For 304 Stainless Steel, Add	29.53	
05 12 23 00-0670			Steel Tubing (05 12 23 00-0421)		
			Note: General purpose low-carbon steel.		
05 12 23 00-0671			Square Steel Tubing (05 12 23 00-0670)		
05 12 23 00-0672			0.06" Wall Thickness (05 12 23 00-0671)		
05 12 23 00-0673	LF		1/2" x 1/2" x 0.06" Square Steel Tubing .....1.30		0.26
			For >100 To 250, Deduct	-0.03	
			For >250 To 500, Deduct	-0.06	
			For >500 To 1,000, Deduct	-0.10	
			For >1,000, Deduct	-0.14	
			For Galvanized Steel, Add	0.59	
05 12 23 00-0674	LF		3/4" x 3/4" x 0.06" Square Steel Tubing .....2.01		0.41
			For >100 To 250, Deduct	-0.04	
			For >250 To 500, Deduct	-0.09	
			For >500 To 1,000, Deduct	-0.16	
			For >1,000, Deduct	-0.22	
			For Galvanized Steel, Add	0.90	
05 12 23 00-0675	LF		1" x 1" x 0.06" Square Steel Tubing .....2.70		0.76
			For >100 To 250, Deduct	-0.06	
			For >250 To 500, Deduct	-0.12	
			For >500 To 1,000, Deduct	-0.21	
			For >1,000, Deduct	-0.30	
			For Galvanized Steel, Add	1.20	
05 12 23 00-0676	LF		1-1/4" x 1-1/4" x 0.06" Square Steel Tubing .....3.57		0.72
			For >100 To 250, Deduct	-0.07	
			For >250 To 500, Deduct	-0.16	
			For >500 To 1,000, Deduct	-0.27	
			For >1,000, Deduct	-0.39	
			For Galvanized Steel, Add	1.62	
05 12 23 00-0677	LF		1-1/2" x 1-1/2" x 0.06" Square Steel Tubing .....4.23		0.87
			For >100 To 250, Deduct	-0.09	
			For >250 To 500, Deduct	-0.19	
			For >500 To 1,000, Deduct	-0.33	
			For >1,000, Deduct	-0.46	
			For Galvanized Steel, Add	1.90	
05 12 23 00-0678			0.083" Wall Thickness (05 12 23 00-0671)		
05 12 23 00-0679	LF		3/4" x 3/4" x 0.083" Square Steel Tubing .....2.33		0.49
			For >100 To 250, Deduct	-0.05	
			For >250 To 500, Deduct	-0.11	
			For >500 To 1,000, Deduct	-0.18	
			For >1,000, Deduct	-0.26	
			For Galvanized Steel, Add	1.04	
05 12 23 00-0680	LF		1" x 1" x 0.083" Square Steel Tubing .....3.41		0.67
			For >100 To 250, Deduct	-0.07	
			For >250 To 500, Deduct	-0.15	
			For >500 To 1,000, Deduct	-0.26	
			For >1,000, Deduct	-0.37	
			For Galvanized Steel, Add	1.56	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0681 LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing.....	4.10	0.85
For >100 To 250, Deduct	-0.08	
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.32	
For >1,000, Deduct	-0.45	
For Galvanized Steel, Add	1.84	
05 12 23 00-0682 LF 1-1/2" x 1-1/2" x 0.083" Square Steel Tubing.....	4.97	1.03
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.39	
For >1,000, Deduct	-0.55	
For Galvanized Steel, Add	2.22	
05 12 23 00-0683 LF 2" x 2" x 0.083" Square Steel Tubing.....	6.35	1.39
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.30	
For >500 To 1,000, Deduct	-0.50	
For >1,000, Deduct	-0.71	
For Galvanized Steel, Add	2.80	
05 12 23 00-0684 0.12" Wall Thickness (05 12 23 00-0671)		
05 12 23 00-0685 LF 1" x 1" x 0.12" Square Steel Tubing.....	3.74	0.80
For >100 To 250, Deduct	-0.08	
For >250 To 500, Deduct	-0.17	
For >500 To 1,000, Deduct	-0.29	
For >1,000, Deduct	-0.41	
For Galvanized Steel, Add	1.66	
05 12 23 00-0686 LF 1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	4.83	1.02
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.38	
For >1,000, Deduct	-0.53	
For Galvanized Steel, Add	2.15	
05 12 23 00-0687 LF 1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	5.93	1.25
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.27	
For >500 To 1,000, Deduct	-0.46	
For >1,000, Deduct	-0.65	
For Galvanized Steel, Add	2.64	
05 12 23 00-0688 LF 2" x 2" x 0.12" Square Steel Tubing.....	8.02	1.70
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.37	
For >500 To 1,000, Deduct	-0.63	
For >1,000, Deduct	-0.89	
For Galvanized Steel, Add	3.56	
05 12 23 00-0689 1/8" Wall Thickness (05 12 23 00-0671)		
05 12 23 00-0690 LF 2" x 2" x 1/8" Square Steel Tubing.....	7.15	1.77
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.36	
For >500 To 1,000, Deduct	-0.59	
For >1,000, Deduct	-0.83	
For Galvanized Steel, Add	2.97	
05 12 23 00-0691 LF 2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	9.46	2.25
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.77	
For >1,000, Deduct	-1.08	
For Galvanized Steel, Add	4.01	
05 12 23 00-0692 LF 3" x 3" x 1/8" Square Steel Tubing.....	11.06	2.71
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-0.92	
For >1,000, Deduct	-1.28	
For Galvanized Steel, Add	4.61	
05 12 23 00-0693 LF 3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....	12.80	3.19
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.64	
For >500 To 1,000, Deduct	-1.07	
For >1,000, Deduct	-1.49	
For Galvanized Steel, Add	5.30	
05 12 23 00-0694 LF 4" x 4" x 1/8" Square Steel Tubing.....	14.06	3.66
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.72	
For >500 To 1,000, Deduct	-1.19	
For >1,000, Deduct	-1.66	
For Galvanized Steel, Add	5.69	
05 12 23 00-0695 3/16" Wall Thickness (05 12 23 00-0671)		
05 12 23 00-0696 LF 2" x 2" x 3/16" Square Steel Tubing.....	8.11	2.00
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.40	
For >500 To 1,000, Deduct	-0.67	
For >1,000, Deduct	-0.94	
For Galvanized Steel, Add	3.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0697	LF		2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	10.50	2.59
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.87	
			<i>For >1,000, Deduct</i>	-1.22	
			<i>For Galvanized Steel, Add</i>	4.37	
05 12 23 00-0698	LF		3" x 3" x 3/16" Square Steel Tubing.....	12.90	3.18
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500 To 1,000, Deduct</i>	-1.07	
			<i>For >1,000, Deduct</i>	-1.50	
			<i>For Galvanized Steel, Add</i>	5.37	
05 12 23 00-0699	LF		3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	15.31	3.77
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500 To 1,000, Deduct</i>	-1.27	
			<i>For >1,000, Deduct</i>	-1.78	
			<i>For Galvanized Steel, Add</i>	6.37	
05 12 23 00-0700	LF		4" x 4" x 3/16" Square Steel Tubing.....	17.69	4.36
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.88	
			<i>For >500 To 1,000, Deduct</i>	-1.47	
			<i>For >1,000, Deduct</i>	-2.05	
			<i>For Galvanized Steel, Add</i>	7.37	
05 12 23 00-0701	LF		4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	20.08	4.95
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500 To 1,000, Deduct</i>	-1.66	
			<i>For >1,000, Deduct</i>	-2.33	
			<i>For Galvanized Steel, Add</i>	8.36	
05 12 23 00-0702	LF		5" x 5" x 3/16" Square Steel Tubing.....	22.48	5.53
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-1.12	
			<i>For >500 To 1,000, Deduct</i>	-1.86	
			<i>For >1,000, Deduct</i>	-2.61	
			<i>For Galvanized Steel, Add</i>	9.36	
05 12 23 00-0703	LF		6" x 6" x 3/16" Square Steel Tubing.....	27.28	6.72
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500 To 1,000, Deduct</i>	-2.26	
			<i>For >1,000, Deduct</i>	-3.17	
			<i>For Galvanized Steel, Add</i>	11.36	
05 12 23 00-0704			1/4" Wall Thickness (05 12 23 00-0671)		
05 12 23 00-0705	LF		2" x 2" x 1/4" Square Steel Tubing.....	8.69	2.00
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500 To 1,000, Deduct</i>	-0.70	
			<i>For >1,000, Deduct</i>	-0.99	
			<i>For Galvanized Steel, Add</i>	3.73	
05 12 23 00-0706	LF		2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	11.42	2.63
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.92	
			<i>For >1,000, Deduct</i>	-1.30	
			<i>For Galvanized Steel, Add</i>	4.90	
05 12 23 00-0707	LF		3" x 3" x 1/4" Square Steel Tubing.....	14.16	3.26
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.14	
			<i>For >1,000, Deduct</i>	-1.61	
			<i>For Galvanized Steel, Add</i>	6.08	
05 12 23 00-0708	LF		3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	16.89	3.88
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500 To 1,000, Deduct</i>	-1.36	
			<i>For >1,000, Deduct</i>	-1.92	
			<i>For Galvanized Steel, Add</i>	7.25	
05 12 23 00-0709	LF		4" x 4" x 1/4" Square Steel Tubing.....	19.62	4.52
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500 To 1,000, Deduct</i>	-1.58	
			<i>For >1,000, Deduct</i>	-2.23	
			<i>For Galvanized Steel, Add</i>	8.43	
05 12 23 00-0710	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	22.34	5.15
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-1.07	
			<i>For >500 To 1,000, Deduct</i>	-1.80	
			<i>For >1,000, Deduct</i>	-2.53	
			<i>For Galvanized Steel, Add</i>	9.60	
05 12 23 00-0711	LF		5" x 5" x 1/4" Square Steel Tubing.....	25.10	5.78
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500 To 1,000, Deduct</i>	-2.03	
			<i>For >1,000, Deduct</i>	-2.85	
			<i>For Galvanized Steel, Add</i>	10.78	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0712	LF		6" x 6" x 1/4" Square Steel Tubing.....	30.56	7.04
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500 To 1,000, Deduct</i>	-2.47	
			<i>For >1,000, Deduct</i>	-3.47	
			<i>For Galvanized Steel, Add</i>	13.13	
05 12 23 00-0713			Rectangular Steel Tubing (05 12 23 00-0670)		
05 12 23 00-0714			3/16" Wall Thickness (05 12 23 00-0713)		
05 12 23 00-0715	LF		3" x 2" x 3/16" Square Steel Tubing.....	10.50	2.59
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.87	
			<i>For >1,000, Deduct</i>	-1.22	
			<i>For Galvanized Steel, Add</i>	4.37	
05 12 23 00-0716	LF		4" x 2" x 3/16" Square Steel Tubing.....	12.90	3.18
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500 To 1,000, Deduct</i>	-1.07	
			<i>For >1,000, Deduct</i>	-1.50	
			<i>For Galvanized Steel, Add</i>	5.37	
05 12 23 00-0717	LF		4" x 3" x 3/16" Square Steel Tubing.....	15.31	3.77
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500 To 1,000, Deduct</i>	-1.27	
			<i>For >1,000, Deduct</i>	-1.78	
			<i>For Galvanized Steel, Add</i>	6.37	
05 12 23 00-0718	LF		5" x 2" x 3/16" Square Steel Tubing.....	15.31	3.77
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500 To 1,000, Deduct</i>	-1.27	
			<i>For >1,000, Deduct</i>	-1.78	
			<i>For Galvanized Steel, Add</i>	6.37	
05 12 23 00-0719	LF		5" x 3" x 3/16" Square Steel Tubing.....	17.69	4.36
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.88	
			<i>For >500 To 1,000, Deduct</i>	-1.47	
			<i>For >1,000, Deduct</i>	-2.05	
			<i>For Galvanized Steel, Add</i>	7.37	
05 12 23 00-0720	LF		5" x 4" x 3/16" Square Steel Tubing.....	20.08	4.95
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500 To 1,000, Deduct</i>	-1.66	
			<i>For >1,000, Deduct</i>	-2.33	
			<i>For Galvanized Steel, Add</i>	8.36	
05 12 23 00-0721	LF		6" x 2" x 3/16" Square Steel Tubing.....	17.69	4.36
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.88	
			<i>For >500 To 1,000, Deduct</i>	-1.47	
			<i>For >1,000, Deduct</i>	-2.05	
			<i>For Galvanized Steel, Add</i>	7.37	
05 12 23 00-0722	LF		6" x 3" x 3/16" Square Steel Tubing.....	20.08	4.95
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500 To 1,000, Deduct</i>	-1.66	
			<i>For >1,000, Deduct</i>	-2.33	
			<i>For Galvanized Steel, Add</i>	8.36	
05 12 23 00-0723	LF		6" x 4" x 3/16" Square Steel Tubing.....	22.48	5.53
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-1.12	
			<i>For >500 To 1,000, Deduct</i>	-1.86	
			<i>For >1,000, Deduct</i>	-2.61	
			<i>For Galvanized Steel, Add</i>	9.36	
05 12 23 00-0724			1/4" Wall Thickness (05 12 23 00-0713)		
05 12 23 00-0725	LF		3" x 2" x 1/4" Square Steel Tubing.....	11.42	2.63
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.92	
			<i>For >1,000, Deduct</i>	-1.30	
			<i>For Galvanized Steel, Add</i>	4.90	
05 12 23 00-0726	LF		4" x 2" x 1/4" Square Steel Tubing.....	14.16	3.26
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.14	
			<i>For >1,000, Deduct</i>	-1.61	
			<i>For Galvanized Steel, Add</i>	6.08	
05 12 23 00-0727	LF		4" x 3" x 1/4" Square Steel Tubing.....	16.89	3.88
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500 To 1,000, Deduct</i>	-1.36	
			<i>For >1,000, Deduct</i>	-1.92	
			<i>For Galvanized Steel, Add</i>	7.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0728	LF		5" x 2" x 1/4" Square Steel Tubing.....	16.89	3.88
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500 To 1,000, Deduct</i>	-1.36	
			<i>For >1,000, Deduct</i>	-1.92	
			<i>For Galvanized Steel, Add</i>	7.25	
05 12 23 00-0729	LF		5" x 3" x 1/4" Square Steel Tubing.....	19.62	4.52
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500 To 1,000, Deduct</i>	-1.58	
			<i>For >1,000, Deduct</i>	-2.23	
			<i>For Galvanized Steel, Add</i>	8.43	
05 12 23 00-0730	LF		5" x 4" x 1/4" Square Steel Tubing.....	22.34	5.15
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-1.07	
			<i>For >500 To 1,000, Deduct</i>	-1.80	
			<i>For >1,000, Deduct</i>	-2.53	
			<i>For Galvanized Steel, Add</i>	9.60	
05 12 23 00-0731	LF		6" x 2" x 1/4" Square Steel Tubing.....	19.62	4.52
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500 To 1,000, Deduct</i>	-1.58	
			<i>For >1,000, Deduct</i>	-2.23	
			<i>For Galvanized Steel, Add</i>	8.43	
05 12 23 00-0732	LF		6" x 3" x 1/4" Square Steel Tubing.....	22.34	5.15
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-1.07	
			<i>For >500 To 1,000, Deduct</i>	-1.80	
			<i>For >1,000, Deduct</i>	-2.53	
			<i>For Galvanized Steel, Add</i>	9.60	
05 12 23 00-0733	LF		6" x 4" x 1/4" Square Steel Tubing.....	25.10	5.78
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500 To 1,000, Deduct</i>	-2.03	
			<i>For >1,000, Deduct</i>	-2.85	
			<i>For Galvanized Steel, Add</i>	10.78	
05 12 23 00-0734			Round Steel Tubing (05 12 23 00-0670)		
05 12 23 00-0735			0.065" Wall Thickness (05 12 23 00-0734)		
05 12 23 00-0736	LF		1" Diameter x 0.065" Round Steel Tubing.....	2.33	0.48
			<i>For >100 To 250, Deduct</i>	-0.05	
			<i>For >250 To 500, Deduct</i>	-0.11	
			<i>For >500 To 1,000, Deduct</i>	-0.18	
			<i>For >1,000, Deduct</i>	-0.25	
			<i>For Galvanized Steel, Add</i>	1.05	
05 12 23 00-0737	LF		1-1/4" Diameter x 0.065" Round Steel Tubing.....	2.96	0.61
			<i>For >100 To 250, Deduct</i>	-0.06	
			<i>For >250 To 500, Deduct</i>	-0.13	
			<i>For >500 To 1,000, Deduct</i>	-0.23	
			<i>For >1,000, Deduct</i>	-0.32	
			<i>For Galvanized Steel, Add</i>	1.33	
05 12 23 00-0738	LF		1-1/2" Diameter x 0.065" Round Steel Tubing.....	3.58	0.74
			<i>For >100 To 250, Deduct</i>	-0.07	
			<i>For >250 To 500, Deduct</i>	-0.16	
			<i>For >500 To 1,000, Deduct</i>	-0.28	
			<i>For >1,000, Deduct</i>	-0.39	
			<i>For Galvanized Steel, Add</i>	1.61	
05 12 23 00-0739	LF		2" Diameter x 0.065" Round Steel Tubing.....	4.82	0.99
			<i>For >100 To 250, Deduct</i>	-0.10	
			<i>For >250 To 500, Deduct</i>	-0.22	
			<i>For >500 To 1,000, Deduct</i>	-0.37	
			<i>For >1,000, Deduct</i>	-0.53	
			<i>For Galvanized Steel, Add</i>	2.17	
05 12 23 00-0740	LF		2-1/2" Diameter x 0.065" Round Steel Tubing.....	6.08	1.25
			<i>For >100 To 250, Deduct</i>	-0.13	
			<i>For >250 To 500, Deduct</i>	-0.28	
			<i>For >500 To 1,000, Deduct</i>	-0.47	
			<i>For >1,000, Deduct</i>	-0.66	
			<i>For Galvanized Steel, Add</i>	2.73	
05 12 23 00-0741	LF		3" Diameter x 0.065" Round Steel Tubing.....	7.32	1.51
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.33	
			<i>For >500 To 1,000, Deduct</i>	-0.57	
			<i>For >1,000, Deduct</i>	-0.80	
			<i>For Galvanized Steel, Add</i>	3.29	
05 12 23 00-0742	LF		3-1/2" Diameter x 0.065" Round Steel Tubing.....	8.58	1.76
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500 To 1,000, Deduct</i>	-0.67	
			<i>For >1,000, Deduct</i>	-0.94	
			<i>For Galvanized Steel, Add</i>	3.86	
05 12 23 00-0743	LF		4" Diameter x 0.065" Round Steel Tubing.....	9.81	2.02
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.45	
			<i>For >500 To 1,000, Deduct</i>	-0.76	
			<i>For >1,000, Deduct</i>	-1.07	
			<i>For Galvanized Steel, Add</i>	4.41	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0744			0.083" Wall Thickness (05 12 23 00-0734)		
05 12 23 00-0745	LF		1" Diameter x 0.083" Round Steel Tubing	2.53	0.53
			For >100 To 250, Deduct	-0.05	
			For >250 To 500, Deduct	-0.12	
			For >500 To 1,000, Deduct	-0.20	
			For >1,000, Deduct	-0.28	
			For Galvanized Steel, Add	1.13	
05 12 23 00-0746	LF		1-1/4" Diameter x 0.083" Round Steel Tubing	3.22	0.67
			For >100 To 250, Deduct	-0.07	
			For >250 To 500, Deduct	-0.15	
			For >500 To 1,000, Deduct	-0.25	
			For >1,000, Deduct	-0.35	
			For Galvanized Steel, Add	1.44	
05 12 23 00-0747	LF		1-1/2" Diameter x 0.083" Round Steel Tubing	3.91	0.81
			For >100 To 250, Deduct	-0.08	
			For >250 To 500, Deduct	-0.18	
			For >500 To 1,000, Deduct	-0.30	
			For >1,000, Deduct	-0.43	
			For Galvanized Steel, Add	1.75	
05 12 23 00-0748	LF		2" Diameter x 0.083" Round Steel Tubing	5.30	1.10
			For >100 To 250, Deduct	-0.11	
			For >250 To 500, Deduct	-0.24	
			For >500 To 1,000, Deduct	-0.41	
			For >1,000, Deduct	-0.58	
			For Galvanized Steel, Add	2.37	
05 12 23 00-0749	LF		2-1/2" Diameter x 0.083" Round Steel Tubing	6.68	1.39
			For >100 To 250, Deduct	-0.14	
			For >250 To 500, Deduct	-0.31	
			For >500 To 1,000, Deduct	-0.52	
			For >1,000, Deduct	-0.73	
			For Galvanized Steel, Add	2.99	
05 12 23 00-0750	LF		3" Diameter x 0.083" Round Steel Tubing	8.06	1.68
			For >100 To 250, Deduct	-0.17	
			For >250 To 500, Deduct	-0.37	
			For >500 To 1,000, Deduct	-0.63	
			For >1,000, Deduct	-0.88	
			For Galvanized Steel, Add	3.61	
05 12 23 00-0751	LF		3-1/2" Diameter x 0.083" Round Steel Tubing	9.44	1.96
			For >100 To 250, Deduct	-0.20	
			For >250 To 500, Deduct	-0.43	
			For >500 To 1,000, Deduct	-0.73	
			For >1,000, Deduct	-1.04	
			For Galvanized Steel, Add	4.23	
05 12 23 00-0752	LF		4" Diameter x 0.083" Round Steel Tubing	10.81	2.25
			For >100 To 250, Deduct	-0.22	
			For >250 To 500, Deduct	-0.49	
			For >500 To 1,000, Deduct	-0.84	
			For >1,000, Deduct	-1.18	
			For Galvanized Steel, Add	4.85	
05 12 23 00-0753			0.125" Wall Thickness (05 12 23 00-0734)		
05 12 23 00-0754	LF		2" Diameter x 0.125" Round Steel Tubing	5.61	1.39
			For >100 To 250, Deduct	-0.14	
			For >250 To 500, Deduct	-0.28	
			For >500 To 1,000, Deduct	-0.47	
			For >1,000, Deduct	-0.65	
			For Galvanized Steel, Add	2.33	
05 12 23 00-0755	LF		2-1/2" Diameter x 0.125" Round Steel Tubing	7.11	1.76
			For >100 To 250, Deduct	-0.18	
			For >250 To 500, Deduct	-0.35	
			For >500 To 1,000, Deduct	-0.59	
			For >1,000, Deduct	-0.83	
			For Galvanized Steel, Add	2.95	
05 12 23 00-0756	LF		3" Diameter x 0.125" Round Steel Tubing	8.60	2.13
			For >100 To 250, Deduct	-0.21	
			For >250 To 500, Deduct	-0.43	
			For >500 To 1,000, Deduct	-0.71	
			For >1,000, Deduct	-1.00	
			For Galvanized Steel, Add	3.57	
05 12 23 00-0757	LF		3-1/2" Diameter x 0.125" Round Steel Tubing	10.10	2.50
			For >100 To 250, Deduct	-0.25	
			For >250 To 500, Deduct	-0.50	
			For >500 To 1,000, Deduct	-0.84	
			For >1,000, Deduct	-1.18	
			For Galvanized Steel, Add	4.19	
05 12 23 00-0758	LF		4" Diameter x 0.125" Round Steel Tubing	11.58	2.87
			For >100 To 250, Deduct	-0.29	
			For >250 To 500, Deduct	-0.58	
			For >500 To 1,000, Deduct	-0.96	
			For >1,000, Deduct	-1.35	
			For Galvanized Steel, Add	4.81	
05 12 23 00-0759			Flat Steel Bar (05 12 23 00-0421)		
05 12 23 00-0760			1/8" Thick (05 12 23 00-0759)		
05 12 23 00-0761	LF		1/8" Thick x 1" Wide Flat Steel Bar	1.45	0.69
			For Galvanized Steel, Add	0.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0762 LF 1/8" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	2.26 0.43	1.03
05 12 23 00-0763 LF 1/8" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	3.46 0.79	1.46
05 12 23 00-0764 LF 1/8" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	4.69 1.07	1.98
05 12 23 00-0765 3/16" Thick <small>(05 12 23 00-0759)</small>		
05 12 23 00-0766 LF 3/16" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	1.92 0.40	0.86
05 12 23 00-0767 LF 3/16" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	3.03 0.68	1.28
05 12 23 00-0768 LF 3/16" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	4.07 1.15	1.48
05 12 23 00-0769 LF 3/16" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	5.64 1.59	2.05
05 12 23 00-0770 1/4" Thick <small>(05 12 23 00-0759)</small>		
05 12 23 00-0771 LF 1/4" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	2.00 0.39	0.91
05 12 23 00-0772 LF 1/4" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	3.32 0.79	1.37
05 12 23 00-0773 LF 1/4" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	4.81 1.53	1.56
05 12 23 00-0774 LF 1/4" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	6.96 2.18	2.30
05 12 23 00-0775 3/8" Thick <small>(05 12 23 00-0759)</small>		
05 12 23 00-0776 LF 3/8" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	2.53 0.61	1.02
05 12 23 00-0777 LF 3/8" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	4.13 1.13	1.53
05 12 23 00-0778 LF 3/8" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	6.28 2.27	1.75
05 12 23 00-0779 LF 3/8" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	9.03 3.19	2.59
05 12 23 00-0780 1/2" Thick <small>(05 12 23 00-0759)</small>		
05 12 23 00-0781 LF 1/2" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	2.96 0.79	1.12
05 12 23 00-0782 LF 1/2" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	4.86 1.44	1.69
05 12 23 00-0783 LF 1/2" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	6.86 2.47	1.92
05 12 23 00-0784 LF 1/2" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	12.20 4.92	2.84
05 12 23 00-0785 Flat Steel Plate <small>(05 12 23 00-0421)</small>		
05 12 23 00-0786 SF 1/8" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	7.45 9.57 0.54 1.85 8.52	2.97
05 12 23 00-0787 SF 3/16" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	8.36 11.97 0.67 2.32 10.66	3.07
05 12 23 00-0788 SF 1/4" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	9.96 15.30 0.86 2.96 13.62	3.45
05 12 23 00-0789 SF 3/8" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	13.33 24.00 1.35 4.65 21.38	3.88
05 12 23 00-0790 SF 1/2" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	15.75 29.89 1.68 5.79 26.62	4.27
05 12 23 00-0791 SF 3/4" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	25.52 56.03 3.15 10.86 49.90	5.29

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0792	SF	1" Thick Flat Steel Plate.....	33.99	6.60
		For 316 Stainless Steel, Add	76.74	
		For Aluminum, Add	4.32	
		For Galvanized Steel, Add	14.87	
		For 304 Stainless Steel, Add	68.34	

05 14 Structural Aluminum Framing (05 10)**05 14 16 Structural Aluminum Framing** (05 14)

05 14 16 00-0001		Rolled Or Plate Shapes (05 14 16) Note: 1" through 10" member.		
05 14 16 00-0002	LB	Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	5.62	2.51
05 14 16 00-0003	LB	Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	5.35	1.69
05 14 16 00-0004		Aluminum Extrusions (05 14 16)		
05 14 16 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	5.28	1.69
05 14 16 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	5.53	1.69
05 14 16 00-0007		Aluminum Tubing (05 14 16)		
05 14 16 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	5.83	1.68
05 14 16 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	6.73	2.71
05 14 16 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	7.74	2.96
05 14 16 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	8.96	3.45
05 14 16 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	10.14	3.70
05 14 16 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	22.00	4.68
05 14 16 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	18.45	4.20
05 14 16 00-0015		Columns (05 14 16) Note: Baked on paint finish, load bearing.		
05 14 16 00-0016		Round Columns (05 14 16 00-0015)		
05 14 16 00-0017	LF	6" Diameter Aluminum Column	17.51	3.22
05 14 16 00-0018	LF	8" Diameter Aluminum Column	23.27	4.61
05 14 16 00-0019	LF	10" Diameter Aluminum Column	28.09	5.19
05 14 16 00-0020	LF	12" Diameter Aluminum Column	40.58	5.42
05 14 16 00-0021	LF	15" Diameter Aluminum Column	51.34	6.28
05 14 16 00-0022	EA	6" Diameter Aluminum Base And Cap	33.48	6.00
05 14 16 00-0023	EA	8" Diameter Aluminum Base And Cap	38.07	6.48
05 14 16 00-0024	EA	10" Diameter Aluminum Base And Cap	47.40	7.19
05 14 16 00-0025	EA	12" Diameter Aluminum Base And Cap	78.77	7.68
05 14 16 00-0026	EA	15" Diameter Aluminum Base And Cap	118.39	8.39
05 14 16 00-0027		Octagonal Columns (05 14 16 00-0015)		
05 14 16 00-0028	LF	6" Diameter Aluminum Column	19.04	3.22
05 14 16 00-0029	LF	8" Diameter Aluminum Column	26.08	4.61
05 14 16 00-0030	LF	10" Diameter Aluminum Column	31.64	5.19
05 14 16 00-0031	LF	12" Diameter Aluminum Column	46.53	5.42
05 14 16 00-0032	LF	15" Diameter Aluminum Column	59.11	6.28
05 14 16 00-0033	EA	6" Diameter Aluminum Base And Cap	37.78	6.00
05 14 16 00-0034	EA	8" Diameter Aluminum Base And Cap	43.09	6.48
05 14 16 00-0035	EA	10" Diameter Aluminum Base And Cap	54.00	7.19
05 14 16 00-0036	EA	12" Diameter Aluminum Base And Cap	91.46	7.68
05 14 16 00-0037	EA	15" Diameter Aluminum Base And Cap	138.71	8.39
05 14 16 00-0038		Fluted Columns (05 14 16 00-0015)		
05 14 16 00-0039	LF	6" Diameter Aluminum Column	20.94	3.22
05 14 16 00-0040	LF	8" Diameter Aluminum Column	28.61	4.61
05 14 16 00-0041	LF	10" Diameter Aluminum Column	34.83	5.19
05 14 16 00-0042	LF	12" Diameter Aluminum Column	51.89	5.42
05 14 16 00-0043	LF	15" Diameter Aluminum Column	66.10	6.28
05 14 16 00-0044	EA	6" Diameter Aluminum Base And Cap	41.65	6.00
05 14 16 00-0045	EA	8" Diameter Aluminum Base And Cap	47.61	6.48
05 14 16 00-0046	EA	10" Diameter Aluminum Base And Cap	59.94	7.19
05 14 16 00-0047	EA	12" Diameter Aluminum Base And Cap	102.87	7.68
05 14 16 00-0048	EA	15" Diameter Aluminum Base And Cap	156.99	8.39
05 14 16 00-0049		Square Columns (05 14 16 00-0015)		
05 14 16 00-0050	LF	6" Aluminum Column	22.23	3.22
05 14 16 00-0051	LF	8" Aluminum Column	30.34	4.61
05 14 16 00-0052	LF	10" Aluminum Column	37.01	5.19
05 14 16 00-0053	LF	12" Aluminum Column	55.55	5.42
05 14 16 00-0054	LF	15" Aluminum Column	70.88	6.28
05 14 16 00-0055	EA	6" Aluminum Base And Cap	44.29	6.00
05 14 16 00-0056	EA	8" Aluminum Base And Cap	50.70	6.48
05 14 16 00-0057	EA	10" Aluminum Base And Cap	64.00	7.19
05 14 16 00-0058	EA	12" Aluminum Base And Cap	110.68	7.68
05 14 16 00-0059	EA	15" Aluminum Base And Cap	169.50	8.39



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 14 16 00-0060 Ornamental Or Decorative Cap And Bases (05 14 16 00-0015)					
05 14 16 00-0061	EA		8" Corinthian Capital And Base	233.11	7.19
05 14 16 00-0062	EA		10" Corinthian Capital And Base.....	341.59	8.39
05 14 16 00-0063	EA		12" Corinthian Capital And Base.....	537.93	9.59
05 14 16 00-0064	EA		8" Scamozzi Capital And Base	118.15	7.19
05 14 16 00-0065	EA		10" Scamozzi Capital And Base	157.46	8.39
05 14 16 00-0066	EA		12" Scamozzi Capital And Base	311.93	9.59

05 15 Wire Rope Assemblies (05 10)

05 15 16 Steel Wire Rope Assemblies (05 15)

05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)					
05 15 16 00-0002	LF		1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	0.96	0.05
			For >500, Deduct	-0.18	
05 15 16 00-0003	LF		5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.29	0.05
			For >500, Deduct	-0.23	
05 15 16 00-0004	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.50	0.10
			For >500, Deduct	-0.26	
05 15 16 00-0005	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.79	0.10
			For >500, Deduct	-0.31	
05 15 16 00-0006	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.06	0.15
			For >500, Deduct	-0.34	
05 15 16 00-0007	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.51	0.20
			For >500, Deduct	-0.42	
05 15 16 00-0008	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.99	0.20
			For >500, Deduct	-0.49	
05 15 16 00-0009	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.12	0.34
			For >500, Deduct	-0.67	
05 15 16 00-0010	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.54	0.39
			For >500, Deduct	-0.90	
05 15 16 00-0011	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.85	0.55
			For >500, Deduct	-1.09	
05 15 16 00-0012	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.47	0.69
			For >500, Deduct	-1.35	
05 15 16 00-0013	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	10.32	0.84
			For >500, Deduct	-1.64	
05 15 16 00-0014 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)					
05 15 16 00-0015	LF		1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.13	0.05
			For >500, Deduct	-0.21	
05 15 16 00-0016	LF		5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.46	0.05
			For >500, Deduct	-0.27	
05 15 16 00-0017	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.79	0.10
			For >500, Deduct	-0.32	
05 15 16 00-0018	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.01	0.10
			For >500, Deduct	-0.35	
05 15 16 00-0019	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.39	0.15
			For >500, Deduct	-0.41	
05 15 16 00-0020	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.73	0.20
			For >500, Deduct	-0.46	
05 15 16 00-0021	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.17	0.20
			For >500, Deduct	-0.53	
05 15 16 00-0022	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.65	0.34
			For >500, Deduct	-0.77	
05 15 16 00-0023	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.93	0.39
			For >500, Deduct	-0.97	
05 15 16 00-0024	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.26	0.55
			For >500, Deduct	-1.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 15 16 00-0025	LF		1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	9.28	0.69
			<i>For >500, Deduct</i>	-1.50	
05 15 16 00-0026	LF		1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	11.31	0.84
			<i>For >500, Deduct</i>	-1.84	
05 15 16 00-0027			6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0028	LF		1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	0.89	0.05
			<i>For >500, Deduct</i>	-0.16	
05 15 16 00-0029	LF		5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.20	0.05
			<i>For >500, Deduct</i>	-0.21	
05 15 16 00-0030	LF		3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.40	0.10
			<i>For >500, Deduct</i>	-0.24	
05 15 16 00-0031	LF		7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.62	0.10
			<i>For >500, Deduct</i>	-0.27	
05 15 16 00-0032	LF		1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.95	0.15
			<i>For >500, Deduct</i>	-0.32	
05 15 16 00-0033	LF		9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.46	0.20
			<i>For >500, Deduct</i>	-0.41	
05 15 16 00-0034	LF		5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.86	0.20
			<i>For >500, Deduct</i>	-0.46	
05 15 16 00-0035	LF		3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.01	0.34
			<i>For >500, Deduct</i>	-0.65	
05 15 16 00-0036	LF		7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.85	0.39
			<i>For >500, Deduct</i>	-0.76	
05 15 16 00-0037	LF		1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	6.12	0.55
			<i>For >500, Deduct</i>	-0.95	
05 15 16 00-0038			6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0039	LF		1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	0.87	0.05
			<i>For >500, Deduct</i>	-0.16	
05 15 16 00-0040	LF		5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.16	0.05
			<i>For >500, Deduct</i>	-0.21	
05 15 16 00-0041	LF		3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.40	0.10
			<i>For >500, Deduct</i>	-0.24	
05 15 16 00-0042	LF		7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.62	0.10
			<i>For >500, Deduct</i>	-0.27	
05 15 16 00-0043	LF		1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.05	0.15
			<i>For >500, Deduct</i>	-0.34	
05 15 16 00-0044	LF		9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.43	0.20
			<i>For >500, Deduct</i>	-0.40	
05 15 16 00-0045	LF		5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.04	0.20
			<i>For >500, Deduct</i>	-0.50	
05 15 16 00-0046	LF		3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.22	0.34
			<i>For >500, Deduct</i>	-0.69	
05 15 16 00-0047	LF		7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.49	0.39
			<i>For >500, Deduct</i>	-0.89	
05 15 16 00-0048	LF		1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.74	0.55
			<i>For >500, Deduct</i>	-1.07	
05 15 16 00-0049			6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0050	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	1.60	0.10
			<i>For >500, Deduct</i>	-0.28	
05 15 16 00-0051	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	1.86	0.10
			<i>For >500, Deduct</i>	-0.32	
05 15 16 00-0052	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.17	0.15
			<i>For >500, Deduct</i>	-0.37	
05 15 16 00-0053	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.92	0.20
			<i>For >500, Deduct</i>	-0.50	
05 15 16 00-0054	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.19	0.20
			<i>For >500, Deduct</i>	-0.53	
05 15 16 00-0055	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	4.32	0.34
			<i>For >500, Deduct</i>	-0.71	
05 15 16 00-0056	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.52	0.39
			<i>For >500, Deduct</i>	-0.89	
05 15 16 00-0057	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	7.26	0.55
			<i>For >500, Deduct</i>	-1.17	
05 15 16 00-0058	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	8.77	0.69
			<i>For >500, Deduct</i>	-1.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0059	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	10.58 -1.69	0.84
05 15 16 00-0060			6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0061	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	1.65 -0.29	0.10
05 15 16 00-0062	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	1.98 -0.35	0.10
05 15 16 00-0063	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	2.33 -0.40	0.15
05 15 16 00-0064	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	3.28 -0.57	0.20
05 15 16 00-0065	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	3.25 -0.54	0.20
05 15 16 00-0066	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	4.44 -0.73	0.34
05 15 16 00-0067	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	5.87 -0.96	0.39
05 15 16 00-0068	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <i>For >500, Deduct</i>	7.38 -1.20	0.55
05 15 16 00-0069			19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0070	LF		1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	1.77 -0.34	0.05
05 15 16 00-0071	LF		5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	1.89 -0.35	0.05
05 15 16 00-0072	LF		3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	2.21 -0.41	0.10
05 15 16 00-0073	LF		7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	2.95 -0.54	0.10
05 15 16 00-0074	LF		1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	3.39 -0.63	0.10
05 15 16 00-0075	LF		9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	3.85 -0.68	0.20
05 15 16 00-0076	LF		5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	4.57 -0.81	0.20
05 15 16 00-0077	LF		3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <i>For >500, Deduct</i>	6.27 -1.10	0.29
05 15 16 00-0078			7x7, Galvanized Finish, Aircraft Cable <small>(05 15 16)</small>		
05 15 16 00-0079	LF		1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.18 -0.03	0.03
05 15 16 00-0080	LF		3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.20 -0.03	0.04
05 15 16 00-0081	LF		1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.22 -0.03	0.04
05 15 16 00-0082	LF		5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.26 -0.04	0.05
05 15 16 00-0083	LF		3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.32 -0.05	0.05
05 15 16 00-0084			7x19, Galvanized Finish, Aircraft Cable <small>(05 15 16)</small>		
05 15 16 00-0085	LF		1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.33 -0.05	0.04
05 15 16 00-0086	LF		5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.36 -0.06	0.05
05 15 16 00-0087	LF		3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.40 -0.06	0.05
05 15 16 00-0088	LF		1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.49 -0.08	0.05
05 15 16 00-0089	LF		5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.74 -0.12	0.05
05 15 16 00-0090	LF		3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable <i>For >500, Deduct</i>	0.98 -0.16	0.05



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 15 16 00-0091	Heavy Duty, Galvanized Steel, Wire Rope Thimbles (05 15 16)				
05 15 16 00-0092	EA	1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	6.14	1.48	
05 15 16 00-0093	EA	5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	6.88	1.48	
05 15 16 00-0094	EA	3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	7.71	1.48	
05 15 16 00-0095	EA	7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	9.97	1.48	
05 15 16 00-0096	EA	1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	9.98	1.48	
05 15 16 00-0097	EA	9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	9.98	1.48	
05 15 16 00-0098	EA	5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	10.74	1.48	
05 15 16 00-0099	EA	3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	19.44	2.27	
05 15 16 00-0100	EA	7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	22.98	2.76	
05 15 16 00-0101	EA	1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	40.74	4.54	
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	58.33	6.17	
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	58.33	6.17	
05 15 16 00-0104	Galvanized Steel, Wire Rope Clips (05 15 16)				
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip	7.80	1.48	
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip	7.98	1.48	
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip	9.19	1.48	
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip	9.38	1.48	
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip	9.65	1.48	
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip	12.25	1.48	
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip	12.45	1.48	
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip	14.31	1.48	
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip	14.58	1.48	
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip	19.91	1.97	
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip	29.72	2.96	
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip	32.76	2.96	
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	38.38	3.94	
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	55.72	5.92	
05 15 16 00-0119	Steel, Open Swage Sockets (05 15 16)				
05 15 16 00-0120	EA	1/4" Diameter, Steel, Open Swage Socket	37.64	1.48	
05 15 16 00-0121	EA	5/16" Diameter, Steel, Open Swage Socket	59.81	1.48	
05 15 16 00-0122	EA	3/8" Diameter, Steel, Open Swage Socket	61.77	1.97	
05 15 16 00-0123	EA	7/16" Diameter, Steel, Open Swage Socket	73.57	2.47	
05 15 16 00-0124	EA	1/2" Diameter, Steel, Open Swage Socket	73.57	2.47	
05 15 16 00-0125	EA	9/16" Diameter, Steel, Open Swage Socket	108.28	5.42	
05 15 16 00-0126	EA	5/8" Diameter, Steel, Open Swage Socket	108.28	5.42	
05 15 16 00-0127	EA	3/4" Diameter, Steel, Open Swage Socket	139.49	10.36	
05 15 16 00-0128	EA	7/8" Diameter, Steel, Open Swage Socket	188.01	14.80	
05 15 16 00-0129	EA	1" Diameter, Steel, Open Swage Socket	265.39	22.70	
05 15 16 00-0130	EA	1-1/8" Diameter, Steel, Open Swage Socket	350.61	35.52	
05 15 16 00-0131	EA	1-1/4" Diameter, Steel, Open Swage Socket	408.24	40.94	
05 15 16 00-0132	Steel, Closed Swage Sockets (05 15 16)				
05 15 16 00-0133	EA	1/4" Diameter, Steel, Closed Swage Socket	30.36	1.48	
05 15 16 00-0134	EA	5/16" Diameter, Steel, Closed Swage Socket	40.94	1.48	
05 15 16 00-0135	EA	3/8" Diameter, Steel, Closed Swage Socket	40.94	1.48	
05 15 16 00-0136	EA	7/16" Diameter, Steel, Closed Swage Socket	51.12	1.97	
05 15 16 00-0137	EA	1/2" Diameter, Steel, Closed Swage Socket	51.66	1.97	
05 15 16 00-0138	EA	9/16" Diameter, Steel, Closed Swage Socket	71.20	3.45	
05 15 16 00-0139	EA	5/8" Diameter, Steel, Closed Swage Socket	73.56	3.94	
05 15 16 00-0140	EA	3/4" Diameter, Steel, Closed Swage Socket	91.36	6.41	
05 15 16 00-0141	EA	7/8" Diameter, Steel, Closed Swage Socket	118.51	9.38	
05 15 16 00-0142	EA	1" Diameter, Steel, Closed Swage Socket	169.48	12.82	
05 15 16 00-0143	EA	1-1/8" Diameter, Steel, Closed Swage Socket	210.59	17.76	
05 15 16 00-0144	EA	1-1/4" Diameter, Steel, Closed Swage Socket	286.75	27.62	
05 15 16 00-0145	Galvanized Steel, Open Spelter Sockets (05 15 16)				
05 15 16 00-0146	EA	1/4" Galvanized Steel, Open Spelter Socket	62.72	1.48	
05 15 16 00-0147	EA	5/16" Galvanized Steel, Open Spelter Socket	64.46	1.48	
05 15 16 00-0148	EA	3/8" Galvanized Steel, Open Spelter Socket	64.46	1.48	
05 15 16 00-0149	EA	7/16" Galvanized Steel, Open Spelter Socket	72.38	2.96	
05 15 16 00-0150	EA	1/2" Galvanized Steel, Open Spelter Socket	72.38	2.96	
05 15 16 00-0151	EA	9/16" Galvanized Steel, Open Spelter Socket	95.34	4.94	
05 15 16 00-0152	EA	5/8" Galvanized Steel, Open Spelter Socket	95.34	4.94	
05 15 16 00-0153	EA	3/4" Galvanized Steel, Open Spelter Socket	121.16	7.40	
05 15 16 00-0154	EA	7/8" Galvanized Steel, Open Spelter Socket	181.67	12.33	
05 15 16 00-0155	EA	1" Galvanized Steel, Open Spelter Socket	329.19	19.24	
05 15 16 00-0156	EA	1-1/8" Galvanized Steel, Open Spelter Socket	389.91	31.08	
05 15 16 00-0157	EA	1-1/4" Galvanized Steel, Open Spelter Socket	526.83	40.94	
05 15 16 00-0158	Galvanized Steel, Closed Spelter Sockets (05 15 16)				
05 15 16 00-0159	EA	1/4" Galvanized Steel, Closed Spelter Socket	52.66	1.48	
05 15 16 00-0160	EA	5/16" Galvanized Steel, Closed Spelter Socket	52.87	1.48	
05 15 16 00-0161	EA	3/8" Galvanized Steel, Closed Spelter Socket	52.87	1.48	
05 15 16 00-0162	EA	7/16" Galvanized Steel, Closed Spelter Socket	59.53	2.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0163	EA		1/2" Galvanized Steel, Closed Spelter Socket.....	59.53	2.47
05 15 16 00-0164	EA		9/16" Galvanized Steel, Closed Spelter Socket.....	83.70	4.44
05 15 16 00-0165	EA		5/8" Galvanized Steel, Closed Spelter Socket.....	83.70	4.44
05 15 16 00-0166	EA		3/4" Galvanized Steel, Closed Spelter Socket.....	103.09	6.41
05 15 16 00-0167	EA		7/8" Galvanized Steel, Closed Spelter Socket.....	150.66	9.86
05 15 16 00-0168	EA		1" Galvanized Steel, Closed Spelter Socket.....	227.69	15.29
05 15 16 00-0169	EA		1-1/8" Galvanized Steel, Closed Spelter Socket.....	298.20	20.71
05 15 16 00-0170	EA		1-1/4" Galvanized Steel, Closed Spelter Socket.....	376.21	27.62
05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)					
05 15 16 00-0172	EA		1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle.....	36.34	1.48
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-4.71	
05 15 16 00-0173	EA		5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle.....	38.96	1.48
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-5.10	
05 15 16 00-0174	EA		3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle.....	43.79	1.48
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-5.83	
05 15 16 00-0175	EA		1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle.....	48.71	1.97
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-6.06	
05 15 16 00-0176	EA		1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle.....	64.07	2.47
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-8.07	
05 15 16 00-0177	EA		1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle.....	72.79	2.96
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-9.14	
05 15 16 00-0178	EA		5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle.....	74.29	3.94
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-8.87	
05 15 16 00-0179	EA		5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle.....	91.78	3.94
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-11.30	
05 15 16 00-0180	EA		5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle.....	104.14	4.44
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-12.98	
05 15 16 00-0181	EA		3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle.....	100.20	5.42
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-11.88	
05 15 16 00-0182	EA		3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle.....	114.19	6.41
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-13.23	
05 15 16 00-0183	EA		3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle.....	140.81	6.91
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-16.89	
05 15 16 00-0184	EA		3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle.....	169.40	8.38
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-20.31	
05 15 16 00-0185	EA		7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle.....	193.27	11.84
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-21.94	
05 15 16 00-0186	EA		7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle.....	234.30	13.82
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-26.92	
05 15 16 00-0187	EA		1" x 6", Forged Steel, Jaw And Jaw Turnbuckle.....	200.67	11.84
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-23.05	
05 15 16 00-0188	EA		1" x 12", Forged Steel, Jaw And Jaw Turnbuckle.....	230.05	15.29
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-25.26	
05 15 16 00-0189	EA		1" x 18", Forged Steel, Jaw And Jaw Turnbuckle.....	314.96	19.24
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-35.86	
05 15 16 00-0190	EA		1" x 24", Forged Steel, Jaw And Jaw Turnbuckle.....	352.48	22.70
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-39.42	
05 15 16 00-0191	EA		1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle.....	393.29	27.62
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-42.55	
05 15 16 00-0192	EA		1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle.....	474.35	31.08
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-52.65	
05 15 16 00-0193	EA		1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle.....	613.40	35.52
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-70.87	
05 15 16 00-0194	EA		1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle.....	607.16	37.98
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-68.31	
05 15 16 00-0195	EA		1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle.....	669.78	49.33
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-70.87	
05 15 16 00-0196	EA		1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle.....	1,200.10	64.12
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-143.02	
05 15 16 00-0197	EA		2" x 24", Forged Steel, Jaw And Jaw Turnbuckle.....	1,973.28	123.32
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-222.00	
05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)					
05 15 16 00-0199	EA		1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	6.92	
05 15 16 00-0200	EA		5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	6.96	
05 15 16 00-0201	EA		3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	7.94	
05 15 16 00-0202	EA		7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	9.53	
05 15 16 00-0203	EA		1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	9.48	
05 15 16 00-0204	EA		5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	13.18	
05 15 16 00-0205	EA		3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	16.04	
05 15 16 00-0206	EA		7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	21.91	
05 15 16 00-0207	EA		1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	29.77	
05 15 16 00-0208	EA		1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	43.74	
05 15 16 00-0209	EA		1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	52.15	
05 15 16 00-0210	EA		1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	95.78	
05 15 16 00-0211	EA		1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	109.96	
05 15 16 00-0212	EA		2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	136.25	
05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)					
05 15 16 00-0214	EA		1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	9.33	
05 15 16 00-0215	EA		1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	8.32	
05 15 16 00-0216	EA		5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	11.61	



MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 15 16 00-0217	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	7.50	
05 15 16 00-0218	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	10.44	
05 15 16 00-0219	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	16.15	
05 15 16 00-0220	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	15.61	
05 15 16 00-0221	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	14.80	
05 15 16 00-0222	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	13.18	
05 15 16 00-0223	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	13.60	
05 15 16 00-0224	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	11.89	
05 15 16 00-0225	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	9.27	
05 15 16 00-0226	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	12.36	
05 15 16 00-0227	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	17.19	
05 15 16 00-0228	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	12.83	
05 15 16 00-0229	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	21.19	
05 15 16 00-0230	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	18.51	
05 15 16 00-0231	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	16.78	
05 15 16 00-0232	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	19.92	
05 15 16 00-0233	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	20.19	
05 15 16 00-0234	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	17.86	
05 15 16 00-0235	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	22.71	
05 15 16 00-0236	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	26.18	
05 15 16 00-0237	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	30.34	
05 15 16 00-0238	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	24.86	
05 15 16 00-0239	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	24.93	
05 15 16 00-0240	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	25.41	
05 15 16 00-0241	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	28.19	
05 15 16 00-0242	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	30.47	
05 15 16 00-0243	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	35.80	
05 15 16 00-0244	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	47.69	

05 15 19 Stainless Steel Wire Rope Assemblies (05 15 19)**05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable (05 15 19)**

05 15 19 00-0002	LF	1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.34	0.03
		<i>For >500, Deduct</i>	-0.06	
05 15 19 00-0003	LF	3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.46	0.04
		<i>For >500, Deduct</i>	-0.08	
05 15 19 00-0004	LF	1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.65	0.04
		<i>For >500, Deduct</i>	-0.12	
05 15 19 00-0005	LF	5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	0.92	0.05
		<i>For >500, Deduct</i>	-0.17	
05 15 19 00-0006	LF	3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable.....	1.18	0.05
		<i>For >500, Deduct</i>	-0.22	

05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable (05 15 19)

05 15 19 00-0008	LF	1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.78	0.04
		<i>For >500, Deduct</i>	-0.14	
05 15 19 00-0009	LF	5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	0.93	0.05
		<i>For >500, Deduct</i>	-0.17	
05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	1.10	0.05
		<i>For >500, Deduct</i>	-0.20	
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	1.53	0.05
		<i>For >500, Deduct</i>	-0.29	
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	2.33	0.05
		<i>For >500, Deduct</i>	-0.44	
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable.....	3.52	0.10
		<i>For >500, Deduct</i>	-0.67	

05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable (05 15 19)

05 15 19 00-0015	LF	1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.34	0.03
		<i>For >500, Deduct</i>	-0.06	
05 15 19 00-0016	LF	3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.46	0.04
		<i>For >500, Deduct</i>	-0.08	
05 15 19 00-0017	LF	1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.65	0.04
		<i>For >500, Deduct</i>	-0.12	
05 15 19 00-0018	LF	5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	0.92	0.05
		<i>For >500, Deduct</i>	-0.17	
05 15 19 00-0019	LF	3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable.....	1.18	0.05
		<i>For >500, Deduct</i>	-0.22	

05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable (05 15 19)

05 15 19 00-0021	LF	1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.78	0.04
		<i>For >500, Deduct</i>	-0.14	
05 15 19 00-0022	LF	5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	0.93	0.05
		<i>For >500, Deduct</i>	-0.17	
05 15 19 00-0023	LF	3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	1.10	0.05
		<i>For >500, Deduct</i>	-0.20	
05 15 19 00-0024	LF	1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	1.53	0.05
		<i>For >500, Deduct</i>	-0.29	
05 15 19 00-0025	LF	5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	2.33	0.05
		<i>For >500, Deduct</i>	-0.44	
05 15 19 00-0026	LF	3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable.....	3.52	0.05
		<i>For >500, Deduct</i>	-0.67	



	Metals	05
	Structural Metal Framing	05 10
	Wire Rope Assemblies	05 15

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 20 Metal Joists (05)

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing (05 20)

05 21 19 Open Web Steel Joist Framing (05 21)

05 21 19 00-0001	TON H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	2,022.08	85.78
	<i>For Welded Cross Bridging, Add</i>	107.22	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	199.76	
05 21 19 00-0002	TON H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	1,863.47	80.42
	<i>For Welded Cross Bridging, Add</i>	95.31	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	185.49	
05 21 19 00-0003	TON LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging.....	2,288.94	80.42
	<i>For Welded Cross Bridging, Add</i>	98.97	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	235.08	
05 21 19 00-0004	TON DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	2,637.21	80.42
	<i>For Welded Cross Bridging, Add</i>	98.97	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	276.88	
05 21 19 00-0005	TON CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,272.91	80.42
	<i>For Welded Cross Bridging, Add</i>	107.22	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	229.86	
05 21 19 00-0006	TON SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging.....	2,941.95	80.42
	<i>For Welded Cross Bridging, Add</i>	98.97	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	313.44	

05 30 Metal Decking (05)

Note: Includes all connecting bolts and welds.

05 31 Steel Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete where required, 07 22 16 00-0001 for roof insulation.

05 31 00 00-0001 Open Ribbed Galvanized Steel Form Deck (05 31)

05 31 00 00-0002	SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.46	
	<i>For Painted, Deduct</i>	-0.05	
	<i>For Perforated Or Slotted, Add</i>	0.05	
	<i>For Up To 100, Add</i>	0.52	
	<i>For >100 To 500, Add</i>	0.27	
	<i>For >500 To 1,500, Add</i>	0.11	
05 31 00 00-0003	SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.55	
	<i>For Painted, Deduct</i>	-0.06	
	<i>For Perforated Or Slotted, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.55	
	<i>For >100 To 500, Add</i>	0.29	
	<i>For >500 To 1,500, Add</i>	0.11	
05 31 00 00-0004	SF 9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.71	
	<i>For Painted, Deduct</i>	-0.06	
	<i>For Perforated Or Slotted, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.63	
	<i>For >100 To 500, Add</i>	0.32	
	<i>For >500 To 1,500, Add</i>	0.13	
05 31 00 00-0005	SF 9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.85	
	<i>For Painted, Deduct</i>	-0.06	
	<i>For Perforated Or Slotted, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.71	
	<i>For >100 To 500, Add</i>	0.36	
	<i>For >500 To 1,500, Add</i>	0.15	
05 31 00 00-0006	SF 15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.77	
	<i>For Painted, Deduct</i>	-0.07	
	<i>For Perforated Or Slotted, Add</i>	0.07	
	<i>For Up To 100, Add</i>	0.57	
	<i>For >100 To 500, Add</i>	0.31	
	<i>For >500 To 1,500, Add</i>	0.11	
05 31 00 00-0007	SF 15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.85	
	<i>For Painted, Deduct</i>	-0.07	
	<i>For Perforated Or Slotted, Add</i>	0.07	
	<i>For Up To 100, Add</i>	0.60	
	<i>For >100 To 500, Add</i>	0.32	
	<i>For >500 To 1,500, Add</i>	0.12	
05 31 00 00-0008	SF 15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.95	
	<i>For Painted, Deduct</i>	-0.07	
	<i>For Perforated Or Slotted, Add</i>	0.07	
	<i>For Up To 100, Add</i>	0.65	
	<i>For >100 To 500, Add</i>	0.35	
	<i>For >500 To 1,500, Add</i>	0.13	
05 31 00 00-0009	SF 15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.08	
	<i>For Painted, Deduct</i>	-0.08	
	<i>For Perforated Or Slotted, Add</i>	0.08	
	<i>For Up To 100, Add</i>	0.73	
	<i>For >100 To 500, Add</i>	0.38	
	<i>For >500 To 1,500, Add</i>	0.15	
05 31 00 00-0010	SF 1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.19	
	<i>For Painted, Deduct</i>	-0.08	
	<i>For Perforated Or Slotted, Add</i>	0.08	
	<i>For Up To 100, Add</i>	0.76	
	<i>For >100 To 500, Add</i>	0.40	
	<i>For >500 To 1,500, Add</i>	0.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 31 00 00-0011	SF		1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.39	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.80	
			<i>For >100 To 500, Add</i>	0.43	
			<i>For >500 To 1,500, Add</i>	0.16	
05 31 00 00-0012	SF		1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.75	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.88	
			<i>For >100 To 500, Add</i>	0.48	
			<i>For >500 To 1,500, Add</i>	0.17	
05 31 00 00-0013	SF		1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.06	
			<i>For Painted, Deduct</i>	-0.11	
			<i>For Perforated Or Slotted, Add</i>	0.11	
			<i>For Up To 100, Add</i>	1.00	
			<i>For >100 To 500, Add</i>	0.54	
			<i>For >500 To 1,500, Add</i>	0.19	
05 31 00 00-0014			Open Ribbed Galvanized Steel Deck <small>(05 31)</small>		
05 31 00 00-0015	SF		1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	1.93	
			<i>For Painted, Deduct</i>	-0.07	
			<i>For Perforated Or Slotted, Add</i>	0.07	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.52	
			<i>For Up To 100, Add</i>	0.70	
			<i>For >100 To 500, Add</i>	0.36	
			<i>For >500 To 1,500, Add</i>	0.14	
05 31 00 00-0016	SF		1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	2.21	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.60	
			<i>For Up To 100, Add</i>	0.81	
			<i>For >100 To 500, Add</i>	0.42	
			<i>For >500 To 1,500, Add</i>	0.16	
05 31 00 00-0017	SF		1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	2.76	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.75	
			<i>For Up To 100, Add</i>	0.99	
			<i>For >100 To 500, Add</i>	0.51	
			<i>For >500 To 1,500, Add</i>	0.20	
05 31 00 00-0018	SF		1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	2.12	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.58	
			<i>For Up To 100, Add</i>	0.77	
			<i>For >100 To 500, Add</i>	0.40	
			<i>For >500 To 1,500, Add</i>	0.16	
05 31 00 00-0019	SF		1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	2.44	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.66	
			<i>For Up To 100, Add</i>	0.88	
			<i>For >100 To 500, Add</i>	0.46	
			<i>For >500 To 1,500, Add</i>	0.18	
05 31 00 00-0020	SF		1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	3.06	
			<i>For Painted, Deduct</i>	-0.11	
			<i>For Perforated Or Slotted, Add</i>	0.11	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.83	
			<i>For Up To 100, Add</i>	1.10	
			<i>For >100 To 500, Add</i>	0.57	
			<i>For >500 To 1,500, Add</i>	0.22	
05 31 00 00-0021	SF		3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	2.65	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.71	
			<i>For Up To 100, Add</i>	0.89	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >500 To 1,500, Add</i>	0.17	
05 31 00 00-0022	SF		3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	3.09	
			<i>For Painted, Deduct</i>	-0.12	
			<i>For Perforated Or Slotted, Add</i>	0.12	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.83	
			<i>For Up To 100, Add</i>	1.02	
			<i>For >100 To 500, Add</i>	0.55	
			<i>For >500 To 1,500, Add</i>	0.20	
05 31 00 00-0023	SF		3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	3.85	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.03	
			<i>For Up To 100, Add</i>	1.27	
			<i>For >100 To 500, Add</i>	0.68	
			<i>For >500 To 1,500, Add</i>	0.25	



	Metals	05
	Metal Decking	05 30
	Steel Decking	05 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0024 SF 3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	4.82	
For Painted, Deduct	-0.18	
For Perforated Or Slotted, Add	0.18	
For Site Installed Insulation Between Ribs, Add	1.29	
For Up To 100, Add	1.54	
For >100 To 500, Add	0.84	
For >500 To 1,500, Add	0.30	
05 31 00 00-0025 SF 4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	6.85	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Site Installed Insulation Between Ribs, Add	1.79	
For Up To 100, Add	1.65	
For >100 To 500, Add	1.01	
For >500 To 1,500, Add	0.27	
05 31 00 00-0026 SF 4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	8.65	
For Painted, Deduct	-0.37	
For Perforated Or Slotted, Add	0.37	
For Site Installed Insulation Between Ribs, Add	2.26	
For Up To 100, Add	2.04	
For >100 To 500, Add	1.26	
For >500 To 1,500, Add	0.33	
05 31 00 00-0027 SF 6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	7.73	
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Site Installed Insulation Between Ribs, Add	2.00	
For Up To 100, Add	1.63	
For >100 To 500, Add	1.06	
For >500 To 1,500, Add	0.24	
05 31 00 00-0028 SF 6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	8.19	
For Painted, Deduct	-0.35	
For Perforated Or Slotted, Add	0.35	
For Site Installed Insulation Between Ribs, Add	2.14	
For Up To 100, Add	1.88	
For >100 To 500, Add	1.17	
For >500 To 1,500, Add	0.30	
05 31 00 00-0029 SF 6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	10.22	
For Painted, Deduct	-0.44	
For Perforated Or Slotted, Add	0.44	
For Site Installed Insulation Between Ribs, Add	2.66	
For Up To 100, Add	2.32	
For >100 To 500, Add	1.45	
For >500 To 1,500, Add	0.36	
05 31 00 00-0030 SF 7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	9.06	
For Painted, Deduct	-0.39	
For Perforated Or Slotted, Add	0.39	
For Site Installed Insulation Between Ribs, Add	2.36	
For Up To 100, Add	2.08	
For >100 To 500, Add	1.30	
For >500 To 1,500, Add	0.33	
05 31 00 00-0031 SF 7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	11.27	
For Painted, Deduct	-0.48	
For Perforated Or Slotted, Add	0.48	
For Site Installed Insulation Between Ribs, Add	2.93	
For Up To 100, Add	2.55	
For >100 To 500, Add	1.60	
For >500 To 1,500, Add	0.40	
05 31 00 00-0032 Cellular Galvanized Steel Deck (05 31)		
Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 00 00-0033 SF 1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	6.04	
For Painted, Deduct	-0.25	
For Perforated Or Slotted, Add	0.25	
For Insulated Cells, Add	1.13	
For Site Installed Insulation Between Ribs, Add	1.58	
For Up To 100, Add	1.50	
For >100 To 500, Add	0.90	
For >500 To 1,500, Add	0.25	
05 31 00 00-0034 SF 1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	6.67	
For Painted, Deduct	-0.27	
For Perforated Or Slotted, Add	0.27	
For Insulated Cells, Add	1.20	
For Site Installed Insulation Between Ribs, Add	1.76	
For Up To 100, Add	1.86	
For >100 To 500, Add	1.07	
For >500 To 1,500, Add	0.33	
05 31 00 00-0035 SF 1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	7.34	
For Painted, Deduct	-0.32	
For Perforated Or Slotted, Add	0.32	
For Insulated Cells, Add	1.42	
For Site Installed Insulation Between Ribs, Add	1.91	
For Up To 100, Add	1.67	
For >100 To 500, Add	1.05	
For >500 To 1,500, Add	0.26	

05 Metals
05 30 Metal Decking
05 31 Steel Decking



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 31 00 00-0036	SF 1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	8.05	
	<i>For Painted, Deduct</i>	-0.33	
	<i>For Perforated Or Slotted, Add</i>	0.33	
	<i>For Insulated Cells, Add</i>	1.50	
	<i>For Site Installed Insulation Between Ribs, Add</i>	2.11	
	<i>For Up To 100, Add</i>	2.06	
	<i>For >100 To 500, Add</i>	1.22	
	<i>For >500 To 1,500, Add</i>	0.35	
05 31 00 00-0037	SF 3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	8.46	
	<i>For Painted, Deduct</i>	-0.36	
	<i>For Perforated Or Slotted, Add</i>	0.36	
	<i>For Insulated Cells, Add</i>	1.62	
	<i>For Site Installed Insulation Between Ribs, Add</i>	2.21	
	<i>For Up To 100, Add</i>	2.00	
	<i>For >100 To 500, Add</i>	1.23	
	<i>For >500 To 1,500, Add</i>	0.32	
05 31 00 00-0038	SF 3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	10.06	
	<i>For Painted, Deduct</i>	-0.43	
	<i>For Perforated Or Slotted, Add</i>	0.43	
	<i>For Insulated Cells, Add</i>	1.94	
	<i>For Site Installed Insulation Between Ribs, Add</i>	2.62	
	<i>For Up To 100, Add</i>	2.32	
	<i>For >100 To 500, Add</i>	1.44	
	<i>For >500 To 1,500, Add</i>	0.37	
05 31 00 00-0039	SF 3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	11.26	
	<i>For Painted, Deduct</i>	-0.48	
	<i>For Perforated Or Slotted, Add</i>	0.48	
	<i>For Insulated Cells, Add</i>	2.18	
	<i>For Site Installed Insulation Between Ribs, Add</i>	2.93	
	<i>For Up To 100, Add</i>	2.55	
	<i>For >100 To 500, Add</i>	1.60	
	<i>For >500 To 1,500, Add</i>	0.40	
05 31 00 00-0040	SF 3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	12.26	
	<i>For Painted, Deduct</i>	-0.52	
	<i>For Perforated Or Slotted, Add</i>	0.52	
	<i>For Insulated Cells, Add</i>	2.36	
	<i>For Site Installed Insulation Between Ribs, Add</i>	3.20	
	<i>For Up To 100, Add</i>	2.84	
	<i>For >100 To 500, Add</i>	1.76	
	<i>For >500 To 1,500, Add</i>	0.45	
05 31 00 00-0041	SF 4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	12.79	
	<i>For Painted, Deduct</i>	-0.58	
	<i>For Perforated Or Slotted, Add</i>	0.58	
	<i>For Insulated Cells, Add</i>	2.60	
	<i>For Site Installed Insulation Between Ribs, Add</i>	3.29	
	<i>For Up To 100, Add</i>	2.40	
	<i>For >100 To 500, Add</i>	1.65	
	<i>For >500 To 1,500, Add</i>	0.31	
05 31 00 00-0042	SF 4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	13.68	
	<i>For Painted, Deduct</i>	-0.61	
	<i>For Perforated Or Slotted, Add</i>	0.61	
	<i>For Insulated Cells, Add</i>	2.74	
	<i>For Site Installed Insulation Between Ribs, Add</i>	3.53	
	<i>For Up To 100, Add</i>	2.71	
	<i>For >100 To 500, Add</i>	1.82	
	<i>For >500 To 1,500, Add</i>	0.37	
05 31 00 00-0043	SF 4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	14.46	
	<i>For Painted, Deduct</i>	-0.64	
	<i>For Perforated Or Slotted, Add</i>	0.64	
	<i>For Insulated Cells, Add</i>	2.89	
	<i>For Site Installed Insulation Between Ribs, Add</i>	3.73	
	<i>For Up To 100, Add</i>	2.89	
	<i>For >100 To 500, Add</i>	1.93	
	<i>For >500 To 1,500, Add</i>	0.40	
05 31 00 00-0044	SF 4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	15.42	
	<i>For Painted, Deduct</i>	-0.69	
	<i>For Perforated Or Slotted, Add</i>	0.69	
	<i>For Insulated Cells, Add</i>	3.08	
	<i>For Site Installed Insulation Between Ribs, Add</i>	3.98	
	<i>For Up To 100, Add</i>	3.08	
	<i>For >100 To 500, Add</i>	2.06	
	<i>For >500 To 1,500, Add</i>	0.43	

05 31 00 00-0045 Subfloor (05 31)

05 31 00 00-0046	SF 26 Gauge Galvanized Subfloor.....	8.04	
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05 36 Composite Metal Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF 1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.21	
	<i>For Painted, Deduct</i>	-0.08	
	<i>For Perforated Or Slotted, Add</i>	0.08	
	<i>For Up To 100, Add</i>	0.76	
	<i>For >100 To 500, Add</i>	0.40	
	<i>For >500 To 1,500, Add</i>	0.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0003	SF		1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.36	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.84	
			<i>For >100 To 500, Add</i>	0.44	
			<i>For >500 To 1,500, Add</i>	0.17	
05 36 00 00-0004	SF		1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.62	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.02	
			<i>For >100 To 500, Add</i>	0.51	
			<i>For >500 To 1,500, Add</i>	0.21	
05 36 00 00-0005	SF		1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.84	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.18	
			<i>For >100 To 500, Add</i>	0.58	
			<i>For >500 To 1,500, Add</i>	0.25	
05 36 00 00-0006	SF		2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.36	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.84	
			<i>For >100 To 500, Add</i>	0.44	
			<i>For >500 To 1,500, Add</i>	0.17	
05 36 00 00-0007	SF		2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.54	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.92	
			<i>For >100 To 500, Add</i>	0.48	
			<i>For >500 To 1,500, Add</i>	0.19	
05 36 00 00-0008	SF		2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.81	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.10	
			<i>For >100 To 500, Add</i>	0.55	
			<i>For >500 To 1,500, Add</i>	0.23	
05 36 00 00-0009	SF		2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.05	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.27	
			<i>For >100 To 500, Add</i>	0.63	
			<i>For >500 To 1,500, Add</i>	0.27	
05 36 00 00-0010	SF		3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.47	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.87	
			<i>For >100 To 500, Add</i>	0.45	
			<i>For >500 To 1,500, Add</i>	0.17	
05 36 00 00-0011	SF		3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.65	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.98	
			<i>For >100 To 500, Add</i>	0.50	
			<i>For >500 To 1,500, Add</i>	0.20	
05 36 00 00-0012	SF		3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.96	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.18	
			<i>For >100 To 500, Add</i>	0.59	
			<i>For >500 To 1,500, Add</i>	0.25	
05 36 00 00-0013	SF		3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.27	
			<i>For Painted, Deduct</i>	-0.11	
			<i>For Perforated Or Slotted, Add</i>	0.11	
			<i>For Up To 100, Add</i>	1.37	
			<i>For >100 To 500, Add</i>	0.68	
			<i>For >500 To 1,500, Add</i>	0.29	
05 36 00 00-0014			Composite Cellular Galvanized Steel Deck <small>(05 36)</small>		
			Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.		
05 36 00 00-0015	SF		1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.06	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Insulated Cells, Add</i>	0.67	
			<i>For Up To 100, Add</i>	1.39	
			<i>For >100 To 500, Add</i>	0.73	
			<i>For >500 To 1,500, Add</i>	0.27	
05 36 00 00-0016	SF		1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	4.32	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Insulated Cells, Add</i>	0.70	
			<i>For Up To 100, Add</i>	1.51	
			<i>For >100 To 500, Add</i>	0.79	
			<i>For >500 To 1,500, Add</i>	0.30	

05 Metals

05 30 Metal Decking

05 36 Composite Metal Decking


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 36 00 00-0017	SF 1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.37
	For Painted, Deduct	-0.16
	For Perforated Or Slotted, Add	0.16
	For Insulated Cells, Add	0.70
	For Up To 100, Add	1.56
	For >100 To 500, Add	0.81
	For >500 To 1,500, Add	0.31
05 36 00 00-0018	SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	4.63
	For Painted, Deduct	-0.16
	For Perforated Or Slotted, Add	0.16
	For Insulated Cells, Add	0.73
	For Up To 100, Add	1.71
	For >100 To 500, Add	0.88
	For >500 To 1,500, Add	0.35
05 36 00 00-0019	SF 1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	4.96
	For Painted, Deduct	-0.17
	For Perforated Or Slotted, Add	0.17
	For Insulated Cells, Add	0.78
	For Up To 100, Add	1.86
	For >100 To 500, Add	0.95
	For >500 To 1,500, Add	0.38
05 36 00 00-0020	SF 1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.00
	For Painted, Deduct	-0.17
	For Perforated Or Slotted, Add	0.17
	For Insulated Cells, Add	0.78
	For Up To 100, Add	1.90
	For >100 To 500, Add	0.97
	For >500 To 1,500, Add	0.39
05 36 00 00-0021	SF 1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	5.26
	For Painted, Deduct	-0.18
	For Perforated Or Slotted, Add	0.18
	For Insulated Cells, Add	0.80
	For Up To 100, Add	2.05
	For >100 To 500, Add	1.03
	For >500 To 1,500, Add	0.42
05 36 00 00-0022	SF 2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.18
	For Painted, Deduct	-0.15
	For Perforated Or Slotted, Add	0.15
	For Insulated Cells, Add	0.68
	For Up To 100, Add	1.46
	For >100 To 500, Add	0.77
	For >500 To 1,500, Add	0.29
05 36 00 00-0023	SF 2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	4.41
	For Painted, Deduct	-0.16
	For Perforated Or Slotted, Add	0.16
	For Insulated Cells, Add	0.71
	For Up To 100, Add	1.57
	For >100 To 500, Add	0.82
	For >500 To 1,500, Add	0.31
05 36 00 00-0024	SF 2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.46
	For Painted, Deduct	-0.16
	For Perforated Or Slotted, Add	0.16
	For Insulated Cells, Add	0.71
	For Up To 100, Add	1.62
	For >100 To 500, Add	0.84
	For >500 To 1,500, Add	0.33
05 36 00 00-0025	SF 2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	4.77
	For Painted, Deduct	-0.17
	For Perforated Or Slotted, Add	0.17
	For Insulated Cells, Add	0.75
	For Up To 100, Add	1.77
	For >100 To 500, Add	0.91
	For >500 To 1,500, Add	0.36
05 36 00 00-0026	SF 2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	5.04
	For Painted, Deduct	-0.17
	For Perforated Or Slotted, Add	0.17
	For Insulated Cells, Add	0.79
	For Up To 100, Add	1.90
	For >100 To 500, Add	0.97
	For >500 To 1,500, Add	0.39
05 36 00 00-0027	SF 2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.11
	For Painted, Deduct	-0.17
	For Perforated Or Slotted, Add	0.17
	For Insulated Cells, Add	0.79
	For Up To 100, Add	1.97
	For >100 To 500, Add	1.00
	For >500 To 1,500, Add	0.41
05 36 00 00-0028	SF 2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	5.38
	For Painted, Deduct	-0.18
	For Perforated Or Slotted, Add	0.18
	For Insulated Cells, Add	0.82
	For Up To 100, Add	2.10
	For >100 To 500, Add	1.06
	For >500 To 1,500, Add	0.44
05 36 00 00-0029	SF 3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.20
	For Painted, Deduct	-0.15
	For Perforated Or Slotted, Add	0.15
	For Insulated Cells, Add	0.68
	For Up To 100, Add	1.46
	For >100 To 500, Add	0.77
	For >500 To 1,500, Add	0.29



	Metals	05
	Metal Decking	05 30
	Composite Metal Decking	05 36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0030	SF		3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	4.44	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Insulated Cells, Add</i>	0.71	
			<i>For Up To 100, Add</i>	1.60	
			<i>For >100 To 500, Add</i>	0.83	
			<i>For >500 To 1,500, Add</i>	0.32	
05 36 00 00-0031	SF		3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.51	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Insulated Cells, Add</i>	0.71	
			<i>For Up To 100, Add</i>	1.67	
			<i>For >100 To 500, Add</i>	0.86	
			<i>For >500 To 1,500, Add</i>	0.34	
05 36 00 00-0032	SF		3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	4.81	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Insulated Cells, Add</i>	0.75	
			<i>For Up To 100, Add</i>	1.80	
			<i>For >100 To 500, Add</i>	0.92	
			<i>For >500 To 1,500, Add</i>	0.37	
05 36 00 00-0033	SF		3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	5.13	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Insulated Cells, Add</i>	0.80	
			<i>For Up To 100, Add</i>	1.94	
			<i>For >100 To 500, Add</i>	0.99	
			<i>For >500 To 1,500, Add</i>	0.40	
05 36 00 00-0034	SF		3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.22	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Insulated Cells, Add</i>	0.80	
			<i>For Up To 100, Add</i>	2.03	
			<i>For >100 To 500, Add</i>	1.02	
			<i>For >500 To 1,500, Add</i>	0.42	
05 36 00 00-0035	SF		3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	5.43	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Insulated Cells, Add</i>	0.82	
			<i>For Up To 100, Add</i>	2.15	
			<i>For >100 To 500, Add</i>	1.08	
			<i>For >500 To 1,500, Add</i>	0.45	

05 40 Cold-Formed Metal Framing ⁽⁰⁵⁾

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing ⁽⁰⁵⁻⁴⁰⁾

Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.

05 41 00 00-0001			18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners ⁽⁰⁵⁻⁴¹⁾		
05 41 00 00-0002	SF		2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	2.01	0.33
			<i>For Walls >10' High, Add</i>	0.40	
			<i>For Curved Wall, Add</i>	0.23	
			<i>For Up To 200, Add</i>	0.56	
			<i>For >200 To 500, Add</i>	0.28	
			<i>For 12" On Center, Add</i>	0.36	
			<i>For 24" On Center, Deduct</i>	-0.36	
05 41 00 00-0003	SF		3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	2.26	0.33
			<i>For Walls >10' High, Add</i>	0.45	
			<i>For Curved Wall, Add</i>	0.25	
			<i>For Up To 200, Add</i>	0.62	
			<i>For >200 To 500, Add</i>	0.31	
			<i>For 12" On Center, Add</i>	0.41	
			<i>For 24" On Center, Deduct</i>	-0.41	
05 41 00 00-0004	SF		4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	2.36	0.33
			<i>For Walls >10' High, Add</i>	0.47	
			<i>For Curved Wall, Add</i>	0.26	
			<i>For Up To 200, Add</i>	0.64	
			<i>For >200 To 500, Add</i>	0.32	
			<i>For 12" On Center, Add</i>	0.43	
			<i>For 24" On Center, Deduct</i>	-0.43	
05 41 00 00-0005	SF		6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.05	0.36
			<i>For Walls >10' High, Add</i>	0.61	
			<i>For Curved Wall, Add</i>	0.27	
			<i>For Up To 200, Add</i>	0.79	
			<i>For >200 To 500, Add</i>	0.39	
			<i>For 12" On Center, Add</i>	0.57	
			<i>For 24" On Center, Deduct</i>	-0.57	
05 41 00 00-0006	SF		8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.42	0.40
			<i>For Walls >10' High, Add</i>	0.68	
			<i>For Curved Wall, Add</i>	0.28	
			<i>For Up To 200, Add</i>	0.87	
			<i>For >200 To 500, Add</i>	0.43	
			<i>For 12" On Center, Add</i>	0.64	
			<i>For 24" On Center, Deduct</i>	-0.64	

05 Metals**05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0007	16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners ^(05 41)		
05 41 00 00-0008	SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....2.17	0.33	
	For Walls >10' High, Add	0.43	
	For Curved Wall, Add	0.25	
	For Up To 200, Add	0.60	
	For >200 To 500, Add	0.30	
	For 12" On Center, Add	0.39	
	For 24" On Center, Deduct	-0.39	
05 41 00 00-0009	SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....2.53	0.33	
	For Walls >10' High, Add	0.51	
	For Curved Wall, Add	0.26	
	For Up To 200, Add	0.68	
	For >200 To 500, Add	0.34	
	For 12" On Center, Add	0.46	
	For 24" On Center, Deduct	-0.46	
05 41 00 00-0010	SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....2.67	0.33	
	For Walls >10' High, Add	0.53	
	For Curved Wall, Add	0.27	
	For Up To 200, Add	0.71	
	For >200 To 500, Add	0.36	
	For 12" On Center, Add	0.49	
	For 24" On Center, Deduct	-0.49	
05 41 00 00-0011	SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....3.42	0.40	
	For Walls >10' High, Add	0.68	
	For Curved Wall, Add	0.28	
	For Up To 200, Add	0.87	
	For >200 To 500, Add	0.44	
	For 12" On Center, Add	0.64	
	For 24" On Center, Deduct	-0.64	
05 41 00 00-0012	SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....3.79	0.44	
	For Walls >10' High, Add	0.76	
	For Curved Wall, Add	0.29	
	For Up To 200, Add	0.95	
	For >200 To 500, Add	0.48	
	For 12" On Center, Add	0.71	
	For 24" On Center, Deduct	-0.71	
05 41 00 00-0013	14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners ^(05 41)		
05 41 00 00-0014	SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....2.99	0.46	
	For Walls >10' High, Add	0.60	
	For Curved Wall, Add	0.31	
	For Up To 200, Add	0.80	
	For >200 To 500, Add	0.40	
	For 12" On Center, Add	0.55	
	For 24" On Center, Deduct	-0.55	
05 41 00 00-0015	SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....3.08	0.47	
	For Walls >10' High, Add	0.62	
	For Curved Wall, Add	0.31	
	For Up To 200, Add	0.82	
	For >200 To 500, Add	0.41	
	For 12" On Center, Add	0.56	
	For 24" On Center, Deduct	-0.56	
05 41 00 00-0016	SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....3.92	0.50	
	For Walls >10' High, Add	0.78	
	For Curved Wall, Add	0.33	
	For Up To 200, Add	1.00	
	For >200 To 500, Add	0.50	
	For 12" On Center, Add	0.73	
	For 24" On Center, Deduct	-0.73	
05 41 00 00-0017	SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....4.33	0.52	
	For Walls >10' High, Add	0.87	
	For Curved Wall, Add	0.35	
	For Up To 200, Add	1.10	
	For >200 To 500, Add	0.55	
	For 12" On Center, Add	0.81	
	For 24" On Center, Deduct	-0.81	
05 42 Cold-Formed Metal Joist Framing ^(05 40)			
05 42 33 Cold-Formed Metal Joist Framing ^(05 42)			
05 42 33 00-0001	Steel Joists, 18 Gauge ^(05 42 33)		
05 42 33 00-0002	LF 5-1/2" - 18 Gauge Steel Joists .....4.92	0.88	
05 42 33 00-0003	LF 6" - 18 Gauge Steel Joists .....5.31	1.11	
05 42 33 00-0004	LF 7-1/4" - 18 Gauge Steel Joists .....5.73	1.21	
05 42 33 00-0005	LF 8" - 18 Gauge Steel Joists .....5.86	1.29	
05 42 33 00-0006	Steel Joists, 16 Gauge ^(05 42 33)		
05 42 33 00-0007	LF 7-1/4" - 16 Gauge Steel Joists .....6.23	1.22	
05 42 33 00-0008	LF 8" - 16 Gauge Steel Joists .....6.57	1.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 42 33 00-0009			Steel Joists, 14 Gauge (05 42 33)		
05 42 33 00-0010	LF		9-1/4" - 14 Gauge Steel Joists	7.50	1.29
05 42 33 00-0011	LF		11-1/2" - 14 Gauge Steel Joists	8.16	1.36
05 43 Slotted Channel Framing (05 40)					
05 43 00 00-0001			Unistrut Channel (05 43)		
05 43 00 00-0002			Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0003	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	7.05	1.11
			For Galvanizing, Add	0.82	
			For Powder Coating, Add	0.72	
05 43 00 00-0004	LF		1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	7.28	1.11
			For Galvanizing, Add	0.86	
			For Powder Coating, Add	0.76	
05 43 00 00-0005	LF		1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	7.64	1.11
			For Galvanizing, Add	0.92	
			For Powder Coating, Add	0.81	
05 43 00 00-0006	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	6.58	1.11
			For Galvanizing, Add	0.74	
			For Powder Coating, Add	0.65	
05 43 00 00-0007	LF		1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	5.56	1.11
			For Galvanizing, Add	0.57	
			For Powder Coating, Add	0.50	
05 43 00 00-0008			Stainless Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0009			304 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0010	LF		1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	15.30	1.11
05 43 00 00-0011	LF		1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	18.50	1.11
05 43 00 00-0012	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	17.70	1.11
05 43 00 00-0013	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	22.64	1.11
05 43 00 00-0014			316 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0015	LF		1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	25.67	1.11
05 43 00 00-0016			Unistrut Closure Strips (05 43)		
05 43 00 00-0017	LF		Raceway Closure Strip For Unistrut Channel	4.13	0.24
05 43 00 00-0018			Lock Nuts With Spring For Unistrut Channel (05 43)		
			Note: Includes hex bolt.		
05 43 00 00-0019			Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
			Note: Includes hex bolt.		
05 43 00 00-0020	EA		1/4-20, Steel Lock Nut With Spring For Unistrut Channel	3.87	
05 43 00 00-0021	EA		3/8-16, Steel Lock Nut With Spring For Unistrut Channel	4.37	
05 43 00 00-0022	EA		1/2-13, Steel Lock Nut With Spring For Unistrut Channel	4.74	
05 43 00 00-0023	EA		5/8-11, Steel Lock Nut With Spring For Unistrut Channel	6.75	
05 43 00 00-0024			Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
			Note: Includes hex bolt.		
05 43 00 00-0025	EA		1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	8.47	
05 43 00 00-0026	EA		3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	9.06	
05 43 00 00-0027	EA		1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	13.07	
05 43 00 00-0028	EA		5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	22.81	
05 43 00 00-0029			Lock Nuts Without Spring For Unistrut Channel (05 43)		
			Note: Includes hex bolt.		
05 43 00 00-0030			Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
			Note: Includes hex bolt.		
05 43 00 00-0031	EA		1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	3.89	
05 43 00 00-0032	EA		3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	4.44	
05 43 00 00-0033	EA		1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	4.77	
05 43 00 00-0034	EA		5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	7.34	
05 43 00 00-0035			Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
			Note: Includes hex bolt.		
05 43 00 00-0036	EA		1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	5.90	
05 43 00 00-0037	EA		3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	7.24	
05 43 00 00-0038	EA		1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	7.94	
05 43 00 00-0039	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	22.20	
05 43 00 00-0040			Beam Clamp For Unistrut Channel (05 43)		
05 43 00 00-0041	EA		Unistrut Beam Clamp, 1-5/8" Channel P2675	11.16	3.70

05 Metals**05 40 Cold-Formed Metal Framing****05 43 Slotted Channel Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 43 00 00-0042	EA	Unistrut Beam Clamp, 1-5/8" Channel P2676.....	14.65	3.70
05 43 00 00-0043	EA	Add For Unistrut Swivel Nut, P2676.....	1.90	
05 43 00 00-0044		Beam Clamp Clevis Hangers (05 43)		
05 43 00 00-0045	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	12.37	3.70
05 43 00 00-0046	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	15.15	3.70
05 43 00 00-0047	EA	Add For Unistrut Swivel Nut	1.90	
05 43 00 00-0048	EA	6-Hole ElectroGalvanized Steel Shelf Bracket For Unistrut	96.37	4.94
05 43 00 00-0049		Pipe And Rigid Conduit Clamps (05 43)		
05 43 00 00-0050		Pipe And Rigid Conduit Clamps (05 43 00 00-0049)		
		Note: Includes stainless steel (316) hardware.		
05 43 00 00-0051	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	5.02	0.97
05 43 00 00-0052	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	5.20	0.97
05 43 00 00-0053	PR	1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	5.67	1.17
05 43 00 00-0054	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	5.97	1.27
05 43 00 00-0055	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.20	1.43
05 43 00 00-0056	PR	2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.20	1.43
05 43 00 00-0057	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	11.97	2.40
05 43 00 00-0058	PR	3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	12.35	2.40
05 43 00 00-0059	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	12.94	2.65
05 43 00 00-0060	PR	4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	14.47	2.86
05 43 00 00-0061		Pipe And Rigid Conduit Clamps (05 43 00 00-0049)		
		Note: Includes nylon hardware.		
05 43 00 00-0062	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	5.18	0.97
05 43 00 00-0063	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	5.38	0.97
05 43 00 00-0064	PR	1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	5.85	1.17
05 43 00 00-0065	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	6.15	1.27
05 43 00 00-0066	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	8.49	1.43
05 43 00 00-0067	PR	2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	8.49	1.43
05 43 00 00-0068	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	12.36	2.40
05 43 00 00-0069	PR	3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	12.76	2.40
05 43 00 00-0070	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.36	2.65
05 43 00 00-0071	PR	4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	14.95	2.86
05 45 Metal Support Assemblies (05 40)				
05 45 13 Mechanical Metal Supports (05 45)		See CSI section 23 05 29 00-0000 for metal supports.		
05 45 16 Electrical Metal Supports (05 45)		See CSI section 26 05 29 00-0000 for metal supports.		
05 50 Metal Fabrications (05)				
05 51 Metal Stairs (05 50)		Note: Includes factory prime.		
05 51 13 Metal Pan Stairs (05 51)		Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail. See CSI section 05 52 13 00-0000 for handrails.		
05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing (05 51 13)		Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	540.06	14.40
		For Closed Riser, Add	62.83	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	613.33	16.80
		For Closed Riser, Add	71.30	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	682.43	19.68
		For Closed Riser, Add	79.19	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing.....	69.48	2.40
		Note: Conventional shape.		
05 51 19 Metal Grating Stairs (05 51)		Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing (05 51 19)		Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair.....	257.87	19.20
		For Closed Riser, Add	31.41	
		For Galvanized Steel, Add	54.87	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair.....	274.07	22.08
		For Closed Riser, Add	33.20	
		For Galvanized Steel, Add	57.48	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair.....	302.65	25.92
		For Closed Riser, Add	36.49	
		For Galvanized Steel, Add	62.71	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail	47.22	2.40
		Note: Conventional shape.		
		For Galvanized Steel, Add	9.41	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 51 33 Metal Ladders (05 51)
Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders (05 51 33)

05 51 33 13-0001 Vertical Ladders (05 51 33 13)

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

Table with 3 columns: Item ID, Description, and Cost. Includes items like 05 51 33 13-0002 VLF 20" Wide Vertical Steel Ladder Primed.

05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)

Table with 3 columns: Item ID, Description, and Cost. Includes items like 05 51 33 13-0007 EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails.

05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)

Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)

Table with 3 columns: Item ID, Description, and Cost. Lists various lengths of powder coated welded steel ladder cages.

05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages (05 51 33 13-0013)

Table with 3 columns: Item ID, Description, and Cost. Lists various lengths of stainless steel welded steel ladder cages.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 51 33 16 Inclined Metal Ladders (05 51 33)**05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs** (05 51 33 16)

Note: Includes factory prime.

05 51 33 16-0002	RSR	3'	Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	179.34	23.99
			For Aluminum, Add	65.68	

05 51 33 23 Alternating Tread Ladders (05 51 33)**05 51 33 23-0001 Vertical Ladders With Alternating Tread** (05 51 33 23)

05 51 33 23-0002	EA	4'	Vertical Height Aluminum Alternating Tread Ladder	1,219.45	71.98
			For Stainless Steel, Add	196.80	
			For Primed Steel, Deduct	-191.42	
05 51 33 23-0003	EA	5'	Vertical Height Aluminum Alternating Tread Ladder	1,401.71	76.30
			For Stainless Steel, Add	240.90	
			For Primed Steel, Deduct	-223.30	
05 51 33 23-0004	EA	6'	Vertical Height Aluminum Alternating Tread Ladder	1,563.86	76.30
			For Stainless Steel, Add	288.67	
			For Primed Steel, Deduct	-241.55	
05 51 33 23-0005	EA	7'	Vertical Height Aluminum Alternating Tread Ladder	1,777.81	95.87
			For Stainless Steel, Add	347.24	
			For Primed Steel, Deduct	-256.61	
05 51 33 23-0006	EA	8'	Vertical Height Aluminum Alternating Tread Ladder	1,957.78	99.28
			For Stainless Steel, Add	388.99	
			For Primed Steel, Deduct	-298.53	
05 51 33 23-0007	EA	9'	Vertical Height Aluminum Alternating Tread Ladder	2,101.05	99.28
			For Stainless Steel, Add	453.51	
			For Primed Steel, Deduct	-293.53	
05 51 33 23-0008	EA	10'	Vertical Height Aluminum Alternating Tread Ladder.....	2,305.74	110.73
			For Stainless Steel, Add	497.40	
			For Primed Steel, Deduct	-327.55	
05 51 33 23-0009	EA	11'	Vertical Height Aluminum Alternating Tread Ladder.....	2,466.26	110.73
			For Stainless Steel, Add	546.61	
			For Primed Steel, Deduct	-347.07	
05 51 33 23-0010	EA	12'	Vertical Height Aluminum Alternating Tread Ladder.....	2,591.15	110.73
			For Stainless Steel, Add	623.99	
			For Primed Steel, Deduct	-346.65	

05 52 Metal Railings (05 50)**05 52 13 Pipe And Tube Railings** (05 52)

Note: Includes sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing (05 52 13)

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 Two Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and two rails.

05 52 13 00-0003	LF	1"	Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	33.23	4.80
			For Additional Off Set Handrail, ADA Attachment, Add	10.41	
			For Aluminum, Satin Finish, Add	9.93	
			For Aluminum, Clear Anodized Finish, Add	15.37	
			For Aluminum, Dark Anodized Finish, Add	17.73	
			For Galvanizing, Add	9.46	
			For Wrought Iron, Add	3.32	
			For Solid Steel Rails, Add	6.65	
			For 304 Stainless Steel, Add	75.65	
			For 316 Stainless Steel, Add	85.10	
			For 2" Wheel Guard, Add	2.25	
			For 4" High Kick Plate, Add	2.96	
			For 6" High Kick Plate, Add	4.73	
			For Curved Rail, Add	17.06	
			For Mounting On Stairs, Add	3.80	
			For Mounting On Slopes, Add	0.96	
			For Post Base Flange With Screws, Add Per Post	18.46	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	27.94	
			For Custom Design Or Shapes (Square Tops, etc), Add	14.22	
			For Nylon Coating, Add	3.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0004	LF		1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	37.30	4.80
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	10.41	
			<i>For Aluminum, Satin Finish, Add</i>	11.64	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	18.01	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	20.78	
			<i>For Galvanizing, Add</i>	11.08	
			<i>For Wrought Iron, Add</i>	3.73	
			<i>For Solid Steel Rails, Add</i>	7.46	
			<i>For 304 Stainless Steel, Add</i>	88.67	
			<i>For 316 Stainless Steel, Add</i>	99.76	
			<i>For 2" Wheel Guard, Add</i>	2.63	
			<i>For 4" High Kick Plate, Add</i>	3.46	
			<i>For 6" High Kick Plate, Add</i>	5.54	
			<i>For Curved Rail, Add</i>	19.50	
			<i>For Mounting On Stairs, Add</i>	4.21	
			<i>For Mounting On Slopes, Add</i>	0.96	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.46	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	27.94	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	16.25	
			<i>For Nylon Coating, Add</i>	4.16	
			<i>For Schedule 80 Handrail, Add</i>	3.19	
05 52 13 00-0005	LF		1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	41.37	4.80
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	10.41	
			<i>For Aluminum, Satin Finish, Add</i>	13.35	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	20.66	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	23.84	
			<i>For Galvanizing, Add</i>	12.71	
			<i>For Wrought Iron, Add</i>	4.14	
			<i>For Solid Steel Rails, Add</i>	8.27	
			<i>For 304 Stainless Steel, Add</i>	101.70	
			<i>For 316 Stainless Steel, Add</i>	114.41	
			<i>For 2" Wheel Guard, Add</i>	3.02	
			<i>For 4" High Kick Plate, Add</i>	3.97	
			<i>For 6" High Kick Plate, Add</i>	6.36	
			<i>For Curved Rail, Add</i>	21.95	
			<i>For Mounting On Stairs, Add</i>	4.62	
			<i>For Mounting On Slopes, Add</i>	0.96	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.46	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	27.94	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	18.29	
			<i>For Nylon Coating, Add</i>	4.77	
05 52 13 00-0006	LF		2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	48.43	4.80
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	10.41	
			<i>For Aluminum, Satin Finish, Add</i>	16.31	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	25.25	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	29.13	
			<i>For Galvanizing, Add</i>	15.54	
			<i>For Wrought Iron, Add</i>	4.84	
			<i>For Solid Steel Rails, Add</i>	9.69	
			<i>For 304 Stainless Steel, Add</i>	124.29	
			<i>For 316 Stainless Steel, Add</i>	139.82	
			<i>For 2" Wheel Guard, Add</i>	3.69	
			<i>For 4" High Kick Plate, Add</i>	4.86	
			<i>For 6" High Kick Plate, Add</i>	7.77	
			<i>For Curved Rail, Add</i>	26.18	
			<i>For Mounting On Stairs, Add</i>	5.32	
			<i>For Mounting On Slopes, Add</i>	0.96	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.46	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	27.94	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	21.82	
			<i>For Nylon Coating, Add</i>	5.83	
05 52 13 00-0007	LF		2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	56.89	4.80
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	10.41	
			<i>For Aluminum, Satin Finish, Add</i>	19.87	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	30.75	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	35.48	
			<i>For Galvanizing, Add</i>	18.92	
			<i>For Wrought Iron, Add</i>	5.69	
			<i>For Solid Steel Rails, Add</i>	11.38	
			<i>For 304 Stainless Steel, Add</i>	151.36	
			<i>For 316 Stainless Steel, Add</i>	170.28	
			<i>For 2" Wheel Guard, Add</i>	4.49	
			<i>For 4" High Kick Plate, Add</i>	5.91	
			<i>For 6" High Kick Plate, Add</i>	9.46	
			<i>For Curved Rail, Add</i>	31.26	
			<i>For Mounting On Stairs, Add</i>	6.17	
			<i>For Mounting On Slopes, Add</i>	0.96	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.46	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	27.94	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	26.05	
			<i>For Nylon Coating, Add</i>	7.10	

05 52 13 00-0008 Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)
 Note: Includes factory primed posts and three rails.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0009	LF		1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	45.30	5.75
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	10.79	
			<i>For Aluminum, Satin Finish, Add</i>	14.19	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	21.96	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	25.34	
			<i>For Galvanizing, Add</i>	13.51	
			<i>For Wrought Iron, Add</i>	4.53	
			<i>For Solid Steel Rails, Add</i>	9.06	
			<i>For 304 Stainless Steel, Add</i>	108.10	
			<i>For 316 Stainless Steel, Add</i>	121.61	
			<i>For 2" Wheel Guard, Add</i>	3.21	
			<i>For 4" High Kick Plate, Add</i>	4.22	
			<i>For 6" High Kick Plate, Add</i>	6.76	
			<i>For Curved Rail, Add</i>	23.72	
			<i>For Mounting On Stairs, Add</i>	5.11	
			<i>For Mounting On Slopes, Add</i>	1.15	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.65	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.23	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	19.77	
			<i>For Nylon Coating, Add</i>	5.07	
05 52 13 00-0010	LF		1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	51.12	5.75
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	10.79	
			<i>For Aluminum, Satin Finish, Add</i>	16.63	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	25.74	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	29.70	
			<i>For Galvanizing, Add</i>	15.84	
			<i>For Wrought Iron, Add</i>	5.11	
			<i>For Solid Steel Rails, Add</i>	10.22	
			<i>For 304 Stainless Steel, Add</i>	126.72	
			<i>For 316 Stainless Steel, Add</i>	142.56	
			<i>For 2" Wheel Guard, Add</i>	3.76	
			<i>For 4" High Kick Plate, Add</i>	4.95	
			<i>For 6" High Kick Plate, Add</i>	7.92	
			<i>For Curved Rail, Add</i>	27.22	
			<i>For Mounting On Stairs, Add</i>	5.69	
			<i>For Mounting On Slopes, Add</i>	1.15	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.65	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.23	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	22.68	
			<i>For Nylon Coating, Add</i>	5.94	
			<i>For Schedule 80 Handrail, Add</i>	4.51	
05 52 13 00-0011	LF		1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	56.94	5.75
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	10.79	
			<i>For Aluminum, Satin Finish, Add</i>	19.08	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	29.52	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	34.07	
			<i>For Galvanizing, Add</i>	18.17	
			<i>For Wrought Iron, Add</i>	5.69	
			<i>For Solid Steel Rails, Add</i>	11.39	
			<i>For 304 Stainless Steel, Add</i>	145.34	
			<i>For 316 Stainless Steel, Add</i>	163.51	
			<i>For 2" Wheel Guard, Add</i>	4.31	
			<i>For 4" High Kick Plate, Add</i>	5.68	
			<i>For 6" High Kick Plate, Add</i>	9.08	
			<i>For Curved Rail, Add</i>	30.71	
			<i>For Mounting On Stairs, Add</i>	6.27	
			<i>For Mounting On Slopes, Add</i>	1.15	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.65	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.23	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	25.59	
			<i>For Nylon Coating, Add</i>	6.81	
05 52 13 00-0012	LF		2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	67.05	5.75
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	10.79	
			<i>For Aluminum, Satin Finish, Add</i>	23.32	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	36.09	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	41.65	
			<i>For Galvanizing, Add</i>	22.21	
			<i>For Wrought Iron, Add</i>	6.71	
			<i>For Solid Steel Rails, Add</i>	13.41	
			<i>For 304 Stainless Steel, Add</i>	177.70	
			<i>For 316 Stainless Steel, Add</i>	199.91	
			<i>For 2" Wheel Guard, Add</i>	5.28	
			<i>For 4" High Kick Plate, Add</i>	6.94	
			<i>For 6" High Kick Plate, Add</i>	11.11	
			<i>For Curved Rail, Add</i>	36.77	
			<i>For Mounting On Stairs, Add</i>	7.28	
			<i>For Mounting On Slopes, Add</i>	1.15	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.65	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.23	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	30.65	
			<i>For Nylon Coating, Add</i>	8.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0013	LF		2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	79.09	5.75
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	10.79	
			<i>For Aluminum, Satin Finish, Add</i>	28.38	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	43.92	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	50.68	
			<i>For Galvanizing, Add</i>	27.03	
			<i>For Wrought Iron, Add</i>	7.91	
			<i>For Solid Steel Rails, Add</i>	15.82	
			<i>For 304 Stainless Steel, Add</i>	216.22	
			<i>For 316 Stainless Steel, Add</i>	243.25	
			<i>For 2" Wheel Guard, Add</i>	6.42	
			<i>For 4" High Kick Plate, Add</i>	8.45	
			<i>For 6" High Kick Plate, Add</i>	13.51	
			<i>For Curved Rail, Add</i>	44.00	
			<i>For Mounting On Stairs, Add</i>	8.49	
			<i>For Mounting On Slopes, Add</i>	1.15	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.65	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.23	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	36.67	
			<i>For Nylon Coating, Add</i>	10.14	
05 52 13 00-0014			Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
			Note: Includes factory primed posts and four rails.		
05 52 13 00-0015	LF		1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	54.89	6.72
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.18	
			<i>For Aluminum, Satin Finish, Add</i>	17.41	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	26.95	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	31.10	
			<i>For Galvanizing, Add</i>	16.58	
			<i>For Wrought Iron, Add</i>	5.49	
			<i>For Solid Steel Rails, Add</i>	10.98	
			<i>For 304 Stainless Steel, Add</i>	132.67	
			<i>For 316 Stainless Steel, Add</i>	149.26	
			<i>For 2" Wheel Guard, Add</i>	3.94	
			<i>For 4" High Kick Plate, Add</i>	5.18	
			<i>For 6" High Kick Plate, Add</i>	8.29	
			<i>For Curved Rail, Add</i>	28.91	
			<i>For Mounting On Stairs, Add</i>	6.16	
			<i>For Mounting On Slopes, Add</i>	1.34	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.84	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.51	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	24.09	
			<i>For Nylon Coating, Add</i>	6.22	
05 52 13 00-0016	LF		1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	60.06	6.72
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.18	
			<i>For Aluminum, Satin Finish, Add</i>	19.58	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	30.31	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	34.97	
			<i>For Galvanizing, Add</i>	18.65	
			<i>For Wrought Iron, Add</i>	6.01	
			<i>For Solid Steel Rails, Add</i>	12.01	
			<i>For 304 Stainless Steel, Add</i>	149.22	
			<i>For 316 Stainless Steel, Add</i>	167.87	
			<i>For 2" Wheel Guard, Add</i>	4.43	
			<i>For 4" High Kick Plate, Add</i>	5.83	
			<i>For 6" High Kick Plate, Add</i>	9.33	
			<i>For Curved Rail, Add</i>	32.01	
			<i>For Mounting On Stairs, Add</i>	6.68	
			<i>For Mounting On Slopes, Add</i>	1.34	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.84	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.51	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	26.67	
			<i>For Nylon Coating, Add</i>	6.99	
			<i>For Schedule 80 Handrail, Add</i>	5.93	
05 52 13 00-0017	LF		1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	65.22	6.72
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.18	
			<i>For Aluminum, Satin Finish, Add</i>	21.75	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	33.66	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	38.84	
			<i>For Galvanizing, Add</i>	20.72	
			<i>For Wrought Iron, Add</i>	6.52	
			<i>For Solid Steel Rails, Add</i>	13.04	
			<i>For 304 Stainless Steel, Add</i>	165.73	
			<i>For 316 Stainless Steel, Add</i>	186.44	
			<i>For 2" Wheel Guard, Add</i>	4.92	
			<i>For 4" High Kick Plate, Add</i>	6.47	
			<i>For 6" High Kick Plate, Add</i>	10.36	
			<i>For Curved Rail, Add</i>	35.10	
			<i>For Mounting On Stairs, Add</i>	7.19	
			<i>For Mounting On Slopes, Add</i>	1.34	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.84	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.51	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	29.25	
			<i>For Nylon Coating, Add</i>	7.77	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0018	LF		2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	76.73	6.72
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.18	
			<i>For Aluminum, Satin Finish, Add</i>	26.59	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	41.15	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	47.48	
			<i>For Galvanizing, Add</i>	25.32	
			<i>For Wrought Iron, Add</i>	7.67	
			<i>For Solid Steel Rails, Add</i>	15.35	
			<i>For 304 Stainless Steel, Add</i>	202.56	
			<i>For 316 Stainless Steel, Add</i>	227.88	
			<i>For 2" Wheel Guard, Add</i>	6.01	
			<i>For 4" High Kick Plate, Add</i>	7.91	
			<i>For 6" High Kick Plate, Add</i>	12.66	
			<i>For Curved Rail, Add</i>	42.01	
			<i>For Mounting On Stairs, Add</i>	8.34	
			<i>For Mounting On Slopes, Add</i>	1.34	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.84	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.51	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	35.01	
			<i>For Nylon Coating, Add</i>	9.50	
05 52 13 00-0019	LF		2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	90.21	6.72
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.18	
			<i>For Aluminum, Satin Finish, Add</i>	32.25	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	49.91	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	57.59	
			<i>For Galvanizing, Add</i>	30.71	
			<i>For Wrought Iron, Add</i>	9.02	
			<i>For Solid Steel Rails, Add</i>	18.04	
			<i>For 304 Stainless Steel, Add</i>	245.70	
			<i>For 316 Stainless Steel, Add</i>	276.41	
			<i>For 2" Wheel Guard, Add</i>	7.29	
			<i>For 4" High Kick Plate, Add</i>	9.60	
			<i>For 6" High Kick Plate, Add</i>	15.36	
			<i>For Curved Rail, Add</i>	50.10	
			<i>For Mounting On Stairs, Add</i>	9.69	
			<i>For Mounting On Slopes, Add</i>	1.34	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.84	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.51	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	41.75	
			<i>For Nylon Coating, Add</i>	11.52	
05 52 13 00-0020			Railing Infill Panels <small>(05 52 13)</small>		
			Note: Includes field welds and touch-up of welds.		
05 52 13 00-0021			Wire Mesh Or Welded Wire Mesh, Railing Infill Panels <small>(05 52 13 00-0020)</small>		
			Note: Square weave or square welded wire mesh.		
05 52 13 00-0022	SF		Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	8.20	
05 52 13 00-0023	SF		Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	8.71	
05 52 13 00-0024	SF		Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	9.16	
05 52 13 00-0025	SF		Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	15.49	
05 52 13 00-0026			Perforated Metal, Railing Infill Panels <small>(05 52 13 00-0020)</small>		
05 52 13 00-0027	SF		Powder Coated Steel, Perforated Metal, Railing Infill Panel	8.04	
05 52 13 00-0028	SF		Galvanized Steel, Perforated Metal, Railing Infill Panel.....	8.32	
05 52 13 00-0029	SF		Aluminum, Perforated Metal, Railing Infill Panel	8.90	
05 52 13 00-0030	SF		Stainless Steel, Perforated Metal, Railing Infill Panel	17.87	
05 52 13 00-0031			Expanded Metal, Railing Infill Panels <small>(05 52 13 00-0020)</small>		
05 52 13 00-0032	SF		Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	3.63	
05 52 13 00-0033	SF		Galvanized Steel, Expanded Metal, Railing Infill Panel.....	7.42	
05 52 13 00-0034	SF		Aluminum, Expanded Metal, Railing Infill Panel.....	9.74	
05 52 13 00-0035	SF		Stainless Steel, Expanded Metal, Railing Infill Panel.....	14.52	
05 52 13 00-0036			Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13)</small>		
			Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0037	LF		1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	25.28	2.88
			<i>For Stainless Steel, Add</i>	36.18	
			<i>For Aluminum, Satin Finish, Add</i>	7.60	
			<i>For Curved Rail, Add</i>	7.58	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	11.76	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	13.57	
			<i>For Galvanized Finish, Add</i>	5.43	
05 52 13 00-0038	LF		1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	25.87	2.88
			<i>For Stainless Steel, Add</i>	37.36	
			<i>For Aluminum, Satin Finish, Add</i>	7.85	
			<i>For Curved Rail, Add</i>	7.76	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	12.14	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	14.01	
			<i>For Galvanized Finish, Add</i>	5.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0039	LF		1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing 26.45		2.88
			<i>For Stainless Steel, Add</i>	38.52	
			<i>For Aluminum, Satin Finish, Add</i>	8.09	
			<i>For Curved Rail, Add</i>	7.94	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	12.52	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	14.45	
			<i>For Galvanized Finish, Add</i>	5.78	
05 52 13 00-0040	LF		2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing 33.16		2.88
			<i>For Stainless Steel, Add</i>	51.94	
			<i>For Aluminum, Satin Finish, Add</i>	10.91	
			<i>For Curved Rail, Add</i>	9.95	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	16.88	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	19.48	
			<i>For Galvanized Finish, Add</i>	7.79	
05 52 13 00-0041	LF		2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing 38.71		2.88
			<i>For Stainless Steel, Add</i>	63.04	
			<i>For Aluminum, Satin Finish, Add</i>	13.24	
			<i>For Curved Rail, Add</i>	11.61	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	20.49	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	23.64	
			<i>For Galvanized Finish, Add</i>	9.46	
05 52 13 00-0042			Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13)</small>		
			Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0043	LF		1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing 32.14		3.02
			<i>For Stainless Steel, Add</i>	49.90	
			<i>For Aluminum, Satin Finish, Add</i>	10.48	
			<i>For Curved Rail, Add</i>	9.64	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	16.22	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	18.71	
			<i>For Galvanized Finish, Add</i>	7.49	
05 52 13 00-0044	LF		1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing 32.96		3.02
			<i>For Stainless Steel, Add</i>	51.54	
			<i>For Aluminum, Satin Finish, Add</i>	10.82	
			<i>For Curved Rail, Add</i>	9.89	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	16.75	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	19.33	
			<i>For Galvanized Finish, Add</i>	7.73	
05 52 13 00-0045	LF		1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing 33.57		3.02
			<i>For Stainless Steel, Add</i>	52.76	
			<i>For Aluminum, Satin Finish, Add</i>	11.08	
			<i>For Curved Rail, Add</i>	10.07	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	17.15	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	19.79	
			<i>For Galvanized Finish, Add</i>	7.91	
05 52 13 00-0046	LF		2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing 42.94		3.02
			<i>For Stainless Steel, Add</i>	71.50	
			<i>For Aluminum, Satin Finish, Add</i>	15.02	
			<i>For Curved Rail, Add</i>	12.88	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	23.24	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	26.81	
			<i>For Galvanized Finish, Add</i>	10.73	
05 52 13 00-0047	LF		2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing 49.06		3.02
			<i>For Stainless Steel, Add</i>	83.74	
			<i>For Aluminum, Satin Finish, Add</i>	17.59	
			<i>For Curved Rail, Add</i>	14.72	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	27.22	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	31.40	
			<i>For Galvanized Finish, Add</i>	12.56	
05 52 13 00-0048			Remove And Reinstall Pipe Railing <small>(05 52 13)</small>		
05 52 13 00-0049	LF		Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing 10.79		
05 52 13 00-0050	LF		Removal And Reinstallation Of Floor Mounted Pipe Railing 14.62		
05 52 13 00-0051	EA		Install New Galvanized Steel Pipe Railing Bracket 32.45		
			<i>For Stainless Steel, Add</i>	36.10	
05 53			Metal Gratings <small>(05 50)</small>		
05 53 13			Bar Gratings <small>(05 53)</small>		
05 53 13 00-0001			Welded Grating <small>(05 53 13)</small>		
			Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.		
05 53 13 00-0002			Steel, Welded Grating <small>(05 53 13 00-0001)</small>		
			Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003	SF		3/4" x 1/8" Steel, Welded Grating 7.18		0.53
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.04	
			<i>For 304 Stainless Steel, Add</i>	19.65	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			<i>For Bearing Bars At 15/16" O.C., Add</i>	1.79	
			<i>For Crossbars At 2" O.C., Add</i>	0.66	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-0.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0004	SF		3/4" x 3/16" Steel, Welded Grating.....	9.72	0.53
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.47	
			For 304 Stainless Steel, Add	27.80	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	2.53	
			For Crossbars At 2" O.C., Add	0.94	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-0.93	
05 53 13 00-0005	SF		1" x 1/8" Steel, Welded Grating.....	8.81	0.53
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.32	
			For 304 Stainless Steel, Add	24.88	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	2.26	
			For Crossbars At 2" O.C., Add	0.84	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-0.90	
05 53 13 00-0006	SF		1" x 3/16" Steel, Welded Grating.....	12.25	0.53
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.90	
			For 304 Stainless Steel, Add	35.92	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	3.27	
			For Crossbars At 2" O.C., Add	1.21	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-0.99	
05 53 13 00-0007	SF		1" x 1/4" Steel, Welded Grating.....	15.69	0.53
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.49	
			For 304 Stainless Steel, Add	46.96	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	4.27	
			For Crossbars At 2" O.C., Add	1.58	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.08	
05 53 13 00-0008	SF		1-1/4" x 1/8" Steel, Welded Grating	10.46	0.53
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.60	
			For 304 Stainless Steel, Add	30.17	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	2.74	
			For Crossbars At 2" O.C., Add	1.02	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-0.95	
05 53 13 00-0009	SF		1-1/4" x 3/16" Steel, Welded Grating	14.64	0.53
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.31	
			For 304 Stainless Steel, Add	43.59	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	3.97	
			For Crossbars At 2" O.C., Add	1.47	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.05	
05 53 13 00-0010	SF		1-1/2" x 1/8" Steel, Welded Grating	12.11	0.53
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.88	
			For 304 Stainless Steel, Add	35.47	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	3.23	
			For Crossbars At 2" O.C., Add	1.19	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-0.99	
05 53 13 00-0011	SF		1-1/2" x 3/16" Steel, Welded Grating	17.39	0.65
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.74	
			For 304 Stainless Steel, Add	51.68	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	4.70	
			For Crossbars At 2" O.C., Add	1.74	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.27	
05 53 13 00-0012	SF		1-1/2" x 1/4" Steel, Welded Grating	22.63	0.65
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.63	
			For 304 Stainless Steel, Add	68.50	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	6.23	
			For Crossbars At 2" O.C., Add	2.30	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.40	
05 53 13 00-0013	SF		1-3/4" x 3/16" Steel, Welded Grating	19.95	0.65
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.17	
			For 304 Stainless Steel, Add	59.90	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	5.45	
			For Crossbars At 2" O.C., Add	2.02	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0014	SF		2" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	22.34 0.22 3.58 67.57 6.15 2.27 0.16 -1.39	0.65
05 53 13 00-0015	SF		2-1/4" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	24.87 0.22 4.01 75.69 6.89 2.55 0.16 -1.45	0.65
05 53 13 00-0016	SF		2-1/2" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	27.26 0.22 4.41 83.36 7.58 2.80 0.16 -1.51	0.65
05 53 13 00-0017			Pressure Locked Grating <small>(05 53 13)</small> Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018			Steel, Pressure Locked Grating <small>(05 53 13 00-0017)</small> Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019	SF		3/4" x 1/8" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Set In Place Without Bolting Or Tack Welding, Deduct	13.83 0.22 2.09 23.89 3.73 1.38 -1.03	0.53
05 53 13 00-0020	SF		3/4" x 3/16" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Set In Place Without Bolting Or Tack Welding, Deduct	17.09 0.22 2.63 29.99 4.68 1.73 -1.11	0.53
05 53 13 00-0021	SF		1" x 1/8" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	15.22 0.22 2.32 26.49 4.13 1.53 0.16 -1.06	0.53
05 53 13 00-0022	SF		1" x 3/16" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 7/16" O.C., Add For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	20.82 0.22 3.24 36.97 28.65 5.77 2.13 0.16 -1.20	0.53
05 53 13 00-0023	SF		1-1/4" x 1/8" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. For Bearing Bars At 15/16" O.C., Add For Crossbars At 2" O.C., Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	17.09 0.22 2.63 29.99 4.68 1.73 0.16 -1.11	0.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0024 SF 1-1/4" x 3/16" Steel, Pressure Locked Grating.....	23.41	0.53
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.67	
For 304 Stainless Steel, Add	41.82	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	6.53	
For Crossbars At 2" O.C., Add	2.41	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.27	
05 53 13 00-0025 SF 1-1/2" x 1/8" Steel, Pressure Locked Grating.....	19.04	0.53
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.95	
For 304 Stainless Steel, Add	33.64	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.25	
For Crossbars At 2" O.C., Add	1.94	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.16	
05 53 13 00-0026 SF 1-1/2" x 3/16" Steel, Pressure Locked Grating.....	26.36	0.65
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.11	
For 304 Stainless Steel, Add	46.91	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 7/16" O.C., Add	36.35	
For Bearing Bars At 15/16" O.C., Add	7.32	
For Crossbars At 2" O.C., Add	2.71	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.49	
05 53 13 00-0027 SF 1-3/4" x 3/16" Steel, Pressure Locked Grating.....	29.09	0.65
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.56	
For 304 Stainless Steel, Add	52.01	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	8.12	
For Crossbars At 2" O.C., Add	3.00	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.56	
05 53 13 00-0028 SF 2" x 3/16" Steel, Pressure Locked Grating.....	31.32	0.65
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.92	
For 304 Stainless Steel, Add	56.19	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	8.77	
For Crossbars At 2" O.C., Add	3.24	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.62	
05 53 13 00-0029 SF 2-1/4" x 3/16" Steel, Pressure Locked Grating.....	33.46	0.65
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.28	
For 304 Stainless Steel, Add	60.19	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	9.39	
For Crossbars At 2" O.C., Add	3.47	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.67	
05 53 13 00-0030 SF 2-1/2" x 3/16" Steel, Pressure Locked Grating.....	35.30	0.65
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.58	
For 304 Stainless Steel, Add	63.63	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	9.93	
For Crossbars At 2" O.C., Add	3.67	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.71	
05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating <small>(05 53 13 00-0017)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0032 SF 3/4" x 1/8" Aluminum, Pressure Locked Grating.....	9.89	0.53
For Bearing Bars At 15/16" O.C., Add	2.58	
For Crossbars At 2" O.C., Add	0.95	
For Set In Place Without Bolting, Deduct	-0.93	
05 53 13 00-0033 SF 3/4" x 3/16" Aluminum, Pressure Locked Grating.....	13.51	0.53
For Bearing Bars At 15/16" O.C., Add	3.64	
For Crossbars At 2" O.C., Add	1.34	
For Set In Place Without Bolting, Deduct	-1.02	
05 53 13 00-0034 SF 1" x 1/8" Aluminum, Pressure Locked Grating.....	12.73	0.53
For Bearing Bars At 15/16" O.C., Add	3.41	
For Crossbars At 2" O.C., Add	1.26	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.00	
05 53 13 00-0035 SF 1" x 3/16" Aluminum, Pressure Locked Grating.....	17.41	0.53
For Bearing Bars At 7/16" O.C., Add	23.71	
For Bearing Bars At 15/16" O.C., Add	4.77	
For Crossbars At 2" O.C., Add	1.77	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0036	SF		1-1/4" x 1/8" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 15/16" O.C., Add</i> <i>For Crossbars At 2" O.C., Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	14.79 4.01 1.48 0.16 -1.05	0.53
05 53 13 00-0037	SF		1-1/4" x 3/16" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 15/16" O.C., Add</i> <i>For Crossbars At 2" O.C., Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	19.89 5.50 2.03 0.16 -1.18	0.53
05 53 13 00-0038	SF		1-1/2" x 1/8" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 15/16" O.C., Add</i> <i>For Crossbars At 2" O.C., Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	16.72 4.57 1.69 0.16 -1.10	0.53
05 53 13 00-0039	SF		1-1/2" x 3/16" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 7/16" O.C., Add</i> <i>For Bearing Bars At 15/16" O.C., Add</i> <i>For Crossbars At 2" O.C., Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	22.44 31.00 6.24 2.31 0.16 -1.24	0.53
05 53 13 00-0040	SF		1-3/4" x 3/16" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 15/16" O.C., Add</i> <i>For Crossbars At 2" O.C., Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	24.89 6.96 2.57 0.16 -1.31	0.53
05 53 13 00-0041	SF		2" x 3/16" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 15/16" O.C., Add</i> <i>For Crossbars At 2" O.C., Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	27.79 7.81 2.89 0.16 -1.38	0.53
05 53 13 00-0042	SF		2-1/4" x 3/16" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 15/16" O.C., Add</i> <i>For Crossbars At 2" O.C., Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	30.07 8.47 3.13 0.16 -1.44	0.53
05 53 13 00-0043	SF		2-1/2" x 3/16" Aluminum, Pressure Locked Grating..... <i>For Bearing Bars At 15/16" O.C., Add</i> <i>For Crossbars At 2" O.C., Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i>	32.79 9.27 3.43 0.16 -1.50	0.53
05 53 13 00-0044			Swage Locked Grating <small>(05 53 13)</small> Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
05 53 13 00-0045			Steel, Swage Locked Grating <small>(05 53 13 00-0044)</small> Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046	SF		1" x 3/16" Steel, Swaged Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. <i>For Bearing Bars At 15/16" O.C., Add</i> <i>For Crossbars At 2" O.C., Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	22.81 0.22 2.00 36.06 13.92 1.74 0.16 -1.25	0.53
05 53 13 00-0047	SF		1-1/4" x 3/16" Steel, Swaged Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. <i>For Bearing Bars At 15/16" O.C., Add</i> <i>For Crossbars At 2" O.C., Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	25.49 0.22 2.25 40.50 15.64 1.95 0.16 -1.32	0.53
05 53 13 00-0048	SF		1-1/2" x 3/16" Steel, Swaged Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. <i>For Bearing Bars At 15/16" O.C., Add</i> <i>For Crossbars At 2" O.C., Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	27.82 0.22 2.44 43.99 16.98 2.12 0.16 -1.53	0.65
05 53 13 00-0049	SF		1-3/4" x 3/16" Steel, Swaged Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C. <i>For Bearing Bars At 15/16" O.C., Add</i> <i>For Crossbars At 2" O.C., Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	31.94 0.22 2.82 50.82 19.62 2.45 0.16 -1.63	0.65



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0050	SF		2" x 3/16" Steel, Swaged Grating.....	36.06	0.65
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.20	
			For 304 Stainless Steel, Add	57.65	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	22.25	
			For Crossbars At 2" O.C., Add	2.78	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.73	
05 53 13 00-0051	SF		2-1/4" x 3/16" Steel, Swaged Grating.....	40.18	0.65
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.58	
			For 304 Stainless Steel, Add	64.48	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	24.89	
			For Crossbars At 2" O.C., Add	3.11	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.84	
05 53 13 00-0052	SF		2-1/2" x 3/16" Steel, Swaged Grating.....	44.31	0.65
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.96	
			For 304 Stainless Steel, Add	71.33	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	27.53	
			For Crossbars At 2" O.C., Add	3.44	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.94	
05 53 13 00-0053			Aluminum Grating, Type 6063, Swage Locked (05 53 13 00-0044)		
			Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0054	SF		1" x 1/8" Aluminum, Swaged Grating.....	11.73	0.53
			For Bearing Bars At 15/16" O.C., Add	6.83	
			For Crossbars At 2" O.C., Add	0.85	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-0.98	
05 53 13 00-0055	SF		1" x 3/16" Aluminum, Swaged Grating.....	15.30	0.53
			For Bearing Bars At 15/16" O.C., Add	9.11	
			For Crossbars At 2" O.C., Add	1.14	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.07	
05 53 13 00-0056	SF		1-1/4" x 1/8" Aluminum, Swaged Grating.....	13.34	0.53
			For Bearing Bars At 15/16" O.C., Add	7.86	
			For Crossbars At 2" O.C., Add	0.98	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.02	
05 53 13 00-0057	SF		1-1/4" x 3/16" Aluminum, Swaged Grating.....	17.70	0.53
			For Bearing Bars At 15/16" O.C., Add	10.65	
			For Crossbars At 2" O.C., Add	1.33	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.13	
05 53 13 00-0058	SF		1-1/2" x 1/8" Aluminum, Swaged Grating.....	15.24	0.53
			For Bearing Bars At 15/16" O.C., Add	9.08	
			For Crossbars At 2" O.C., Add	1.13	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.06	
05 53 13 00-0059	SF		1-1/2" x 3/16" Aluminum, Swaged Grating.....	20.28	0.53
			For Bearing Bars At 15/16" O.C., Add	12.30	
			For Crossbars At 2" O.C., Add	1.54	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.19	
05 53 13 00-0060	SF		1-3/4" x 3/16" Aluminum, Swaged Grating.....	23.24	0.53
			For Bearing Bars At 15/16" O.C., Add	14.20	
			For Crossbars At 2" O.C., Add	1.77	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.26	
05 53 13 00-0061	SF		2" x 3/16" Aluminum, Swaged Grating.....	26.19	0.53
			For Bearing Bars At 15/16" O.C., Add	16.08	
			For Crossbars At 2" O.C., Add	2.01	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.34	
05 53 13 00-0062	SF		2-1/4" x 3/16" Aluminum, Swaged Grating.....	29.15	0.53
			For Bearing Bars At 15/16" O.C., Add	17.98	
			For Crossbars At 2" O.C., Add	2.25	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.41	
05 53 13 00-0063	SF		2-1/2" x 3/16" Aluminum, Swaged Grating.....	32.10	0.53
			For Bearing Bars At 15/16" O.C., Add	19.87	
			For Crossbars At 2" O.C., Add	2.48	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.49	
05 53 13 00-0064			Riveted Grating (05 53 13)		
			Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065			Steel, Riveted Grating (05 53 13 00-0064)		
			Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0066	SF		3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	43.60	0.53
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.04	
			For 304 Stainless Steel, Add	36.54	
			For 5/8" Clear Opening, Add	14.68	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.77	
05 53 13 00-0067	SF		3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	51.39	0.53
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.42	
			For 304 Stainless Steel, Add	43.23	
			For 5/8" Clear Opening, Add	17.36	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.97	
05 53 13 00-0068	SF		1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	47.19	0.53
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.21	
			For 304 Stainless Steel, Add	39.63	
			For 5/8" Clear Opening, Add	15.91	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.86	
05 53 13 00-0069	SF		1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	54.36	0.53
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.56	
			For 304 Stainless Steel, Add	45.78	
			For 5/8" Clear Opening, Add	18.39	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.04	
05 53 13 00-0070	SF		1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	50.16	0.53
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.36	
			For 304 Stainless Steel, Add	42.18	
			For 5/8" Clear Opening, Add	16.94	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.94	
05 53 13 00-0071	SF		1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	59.89	0.53
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.82	
			For 304 Stainless Steel, Add	50.53	
			For 5/8" Clear Opening, Add	20.30	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.18	
05 53 13 00-0072	SF		1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	53.25	0.65
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.49	
			For 304 Stainless Steel, Add	44.63	
			For 5/8" Clear Opening, Add	17.93	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.16	
05 53 13 00-0073	SF		1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	63.65	0.65
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.99	
			For 304 Stainless Steel, Add	53.57	
			For 5/8" Clear Opening, Add	21.51	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.42	
05 53 13 00-0074	SF		1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	68.96	0.65
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.25	
			For 304 Stainless Steel, Add	58.13	
			For 5/8" Clear Opening, Add	23.35	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.56	
05 53 13 00-0075	SF		2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	80.80	0.65
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.82	
			For 304 Stainless Steel, Add	68.30	
			For 5/8" Clear Opening, Add	27.43	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.85	
05 53 13 00-0076	SF		2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	84.93	0.65
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.01	
			For 304 Stainless Steel, Add	71.85	
			For 5/8" Clear Opening, Add	28.86	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.96	
05 53 13 00-0077	SF		2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	88.61	0.65
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.19	
			For 304 Stainless Steel, Add	75.01	
			For 5/8" Clear Opening, Add	30.13	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.05	
05 53 13 00-0078			Aluminum, Riveted Grating (05 53 13 00-0064)		
			Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079	SF		3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	25.42	0.53
			For 5/8" Clear Opening, Add	8.40	
			For Set In Place Without Bolting, Deduct	-1.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0080 SF 3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	30.24	0.53
For 5/8" Clear Opening, Add	10.07	
For Set In Place Without Bolting, Deduct	-1.44	
05 53 13 00-0081 SF 1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	28.00	0.53
For 5/8" Clear Opening, Add	9.29	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.38	
05 53 13 00-0082 SF 1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	32.71	0.53
For 5/8" Clear Opening, Add	10.92	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.50	
05 53 13 00-0083 SF 1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	31.44	0.53
For 5/8" Clear Opening, Add	10.48	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.47	
05 53 13 00-0084 SF 1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	37.98	0.53
For 5/8" Clear Opening, Add	12.74	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.63	
05 53 13 00-0085 SF 1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	33.80	0.53
For 5/8" Clear Opening, Add	11.30	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.53	
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	42.10	0.53
For 5/8" Clear Opening, Add	14.16	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.74	
05 53 13 00-0087 SF 1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	46.45	0.53
For 5/8" Clear Opening, Add	15.66	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.84	
05 53 13 00-0088 SF 2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	55.39	0.53
For 5/8" Clear Opening, Add	18.74	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.07	
05 53 13 00-0089 SF 2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	60.45	0.53
For 5/8" Clear Opening, Add	20.49	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.19	
05 53 13 00-0090 SF 2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	67.26	0.53
For 5/8" Clear Opening, Add	22.84	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.37	

05 54 Metal Floor Plates (05 50)**05 54 00 00-0001 Steel Floor Plates** (05 54)

05 54 00 00-0002 SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	10.49	0.62
05 54 00 00-0003 SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	12.06	0.62
05 54 00 00-0004 SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	15.22	0.62
05 54 00 00-0005 SF 1/8" Steel Raised Or Diamond Pattern Floor Plates.....	20.42	0.67
05 54 00 00-0006 SF 1/4" Steel Raised Or Diamond Pattern Floor Plates.....	26.08	0.72

05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)

05 54 00 00-0008 SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	16.27	0.53
05 54 00 00-0009 SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	18.67	0.62
05 54 00 00-0010 SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	21.09	0.67

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)

05 54 00 00-0012 SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	27.39	0.72
05 54 00 00-0013 SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	32.79	0.82
05 54 00 00-0014 SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	42.63	0.96

05 55 Metal Stair Treads And Nosings (05 50)**05 55 13 Metal Stair Treads** (05 55)**05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads** (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002 LF 8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	36.59	2.14
For 3/8" Thick, Add	8.29	
05 55 13 00-0003 LF 9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	40.63	2.14
For 3/8" Thick, Add	9.30	
05 55 13 00-0004 LF 10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	44.66	2.14
For 3/8" Thick, Add	10.31	
05 55 13 00-0005 LF 11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	48.72	2.14
For 3/8" Thick, Add	11.32	
05 55 13 00-0006 LF 12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	52.74	2.14
For 3/8" Thick, Add	12.33	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.



Metals	05	05
Metal Fabrications	05 50	
Metal Stair Treads And Nosings	05 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0008 LF 8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	52.27	2.14
05 55 13 00-0009 LF 9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	58.27	2.14
05 55 13 00-0010 LF 10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	64.27	2.14
05 55 13 00-0011 LF 11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	70.27	2.14
05 55 13 00-0012 LF 12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	76.27	2.14
05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 55 13) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014 LF 6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	17.67	2.14
05 55 13 00-0015 LF 9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	21.33	2.14
05 55 13 00-0016 LF 11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	22.95	2.14
05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads (05 55 13) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018 LF 8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	27.78	2.14
For Epoxy Sealed For Corrosive Environment, Add	2.54	
For Two Color Tread, Add	1.91	
05 55 13 00-0019 LF 9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	28.09	2.14
For Epoxy Sealed For Corrosive Environment, Add	2.54	
For Two Color Tread, Add	1.91	
05 55 13 00-0020 LF 11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	34.68	2.14
For Epoxy Sealed For Corrosive Environment, Add	2.54	
For Two Color Tread, Add	1.91	
05 55 13 00-0021 LF 12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	40.45	2.14
For Epoxy Sealed For Corrosive Environment, Add	2.54	
For Two Color Tread, Add	1.91	
05 55 13 00-0022 LF 15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	47.99	2.14
For Epoxy Sealed For Corrosive Environment, Add	2.54	
For Two Color Tread, Add	1.91	
05 55 13 00-0023 Stair Landing Treads (05 55 13)		
05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads (05 55 13 00-0023) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025 SF 5/16" Thick, Abrasive Cast Aluminum Landing Treads	52.74	2.14
For 3/8" Thick, Add	12.33	
05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads (05 55 13 00-0023) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027 SF 3/8" Thick, Abrasive Cast Iron Landing Treads	76.27	2.14
05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads (05 55 13 00-0023) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029 SF 9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	48.65	2.14
For Epoxy Sealed For Corrosive Environment, Add	2.54	
05 55 13 00-0030 Open Cast Iron Stair Tread (05 55 13) Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031 RSR 3'-6" Wide, Open Cast Iron Stair Tread.....	369.18	19.20
For Closed Riser, Add	31.71	
05 55 13 00-0032 RSR 4'-0" Wide, Open Cast Iron Stair Tread.....	412.70	22.08
For Closed Riser, Add	35.38	
05 55 13 00-0033 RSR 5'-0" Wide, Open Cast Iron Stair Tread.....	453.89	25.92
For Closed Riser, Add	38.87	
05 55 16 Metal Stair Nosings (05 55)		
05 55 16 00-0001 Abrasive Cast Aluminum Nosings (05 55 16) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	14.55	1.46
For 3/8" Thick, Add	3.05	
05 55 16 00-0003 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	18.46	1.46
For 3/8" Thick, Add	4.03	
05 55 16 00-0004 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	27.16	1.46
For 3/8" Thick, Add	6.21	
05 55 16 00-0005 Abrasive Cast Iron Nosings (05 55 16) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	17.40	1.46
For 3/8" Thick, Add	3.77	
05 55 16 00-0007 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	22.21	1.46
For 3/8" Thick, Add	4.97	

05 Metals**05 50 Metal Fabrications****05 55 Metal Stair Treads And Nosings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0008 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... <i>For 3/8" Thick, Add</i>	31.71 7.34	1.46
05 55 16 00-0009 Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings <small>(05 55 16)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010 LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	11.90	1.46
05 55 16 00-0011 LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	13.79	1.46
05 55 16 00-0012 LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	15.22	1.46
05 55 16 00-0013 LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	19.69	1.46
05 55 16 00-0014 LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	12.41	1.46
05 55 16 00-0015 LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	14.02	1.46
05 55 16 00-0016 LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	15.61	1.46
05 55 16 00-0017 LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	14.64	1.46
05 56 Metal Castings <small>(05 50)</small>		
05 56 00 00-0001 Castings <small>(05 56)</small>		
05 56 00 00-0002 LB Up To 150 LB, Miscellaneous Castings, Light Section.....	2.86	0.24
05 56 00 00-0003 LB >150 LB, Miscellaneous Castings, Heavy Section.....	5.00	0.20
05 58 Formed Metal Fabrications <small>(05 50)</small>		
05 58 16 Formed Metal Enclosures <small>(05 58)</small>		
05 58 16 00-0001 Drip Pan <small>(05 58 16)</small>		
05 58 16 00-0002 SF Stainless Steel Drip Pan.....	59.40	2.21
05 58 16 00-0003 SF Galvanized Steel Drip Pan.....	58.64	2.21
05 58 16 00-0004 SF Aluminum Drip Pan.....	40.85	1.76
05 58 16 00-0005 SF Plastic Drip Pan.....	9.06	1.54
05 59 Metal Specialties <small>(05 50)</small>		
05 59 65 Chain <small>(05 59)</small>		
05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length <small>(05 59 65)</small> Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002 LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	3.25 0.35	0.47
05 59 65 00-0003 LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	4.36 0.47	0.62
05 59 65 00-0004 LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	6.69 0.63	1.23
05 59 65 00-0005 LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	10.66 0.97	2.08
05 59 65 00-0006 LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	17.98 1.64	3.52
05 59 65 00-0007 LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	25.23 2.31	4.94
05 59 65 00-0008 LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	34.86 3.38	6.17
05 59 65 00-0009 LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	50.99 5.18	8.22
05 59 65 00-0010 LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	83.79 8.87	12.33
05 70 Decorative Metal <small>(05)</small> Note: Includes anchors and related accessories.		
05 71 Decorative Metal Stairs <small>(05 70)</small>		
05 71 13 Fabricated Metal Spiral Stairs <small>(05 71)</small> Note: Includes factory prime.		
05 71 13 00-0001 Spiral Stairs, Stock Units <small>(05 71 13)</small> Note: Includes factory prime.		
05 71 13 00-0002 Steel Tread <small>(05 71 13 00-0001)</small>		
05 71 13 00-0003 VLF 3'-6" Diameter, Spiral Steel Stair With Rails..... <i>For Galvanized, Add</i>	235.18 131.04	23.99
05 71 13 00-0004 VLF 4' Diameter, Spiral Steel Stair With Rails..... <i>For Galvanized, Add</i>	268.27 150.84	26.39
05 71 13 00-0005 VLF 4'-6" Diameter, Spiral Steel Stair With Rails..... <i>For Galvanized, Add</i>	297.03 167.61	28.79
05 71 13 00-0006 VLF 5' Diameter, Spiral Steel Stair With Rails..... <i>For Galvanized, Add</i>	318.14 179.03	31.19
05 73 Decorative Metal Railings <small>(05 70)</small> Note: Factory primed. Includes brackets.		
05 73 00 00-0001 Railings; Vertical Square Bars At 6" <small>(05 73)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).					
05 73 00 00-0002	LF		Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	49.37	5.28
			For Rake Or Angle Railings, Add	5.68	
			For Curved Railings, Add	16.40	
			For 4" On Center Standards, Add	2.11	
			For 4-1/2" On Center Standards, Add	1.69	
			For 5" On Center Standards, Add	1.12	
			For 5-1/2" On Center Standards, Add	0.56	
			For Each Field Bending Of Rails, Add	7.82	
			For Galvanized, Add	3.93	
05 73 00 00-0003	LF		Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	60.36	7.19
			For Rake Or Angle Railings, Add	7.32	
			For Curved Railings, Add	19.01	
			For 4" On Center Standards, Add	2.33	
			For 4-1/2" On Center Standards, Add	1.87	
			For 5" On Center Standards, Add	1.24	
			For 5-1/2" On Center Standards, Add	0.62	
			For Each Field Bending Of Rails, Add	9.81	
05 73 00 00-0004	LF		Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	167.83	12.00
			For Rake Or Angle Railings, Add	15.89	
			For Curved Railings, Add	65.37	
			For 4" On Center Standards, Add	9.42	
			For 4-1/2" On Center Standards, Add	7.54	
			For 5" On Center Standards, Add	5.02	
			For 5-1/2" On Center Standards, Add	2.51	
			For Each Field Bending Of Rails, Add	13.06	
05 73 00 00-0005	LF		Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	186.48	9.59
			For Rake Or Angle Railings, Add	16.75	
			For Curved Railings, Add	75.17	
			For 4" On Center Standards, Add	11.06	
			For 4-1/2" On Center Standards, Add	8.85	
			For 5" On Center Standards, Add	5.90	
			For 5-1/2" On Center Standards, Add	2.95	
			For Each Field Bending Of Rails, Add	12.25	
05 73 00 00-0006	LF		Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	128.09	14.63
			For Rake Or Angle Railings, Add	11.79	
			For Curved Railings, Add	50.84	
			For 4" On Center Standards, Add	7.41	
			For 4-1/2" On Center Standards, Add	5.93	
			For 5" On Center Standards, Add	3.95	
			For 5-1/2" On Center Standards, Add	1.98	
			For Each Field Bending Of Rails, Add	9.82	
05 73 00 00-0007			Laminated Metal Or Wood Handrails With Metal Supports (05 73)		
05 73 00 00-0008	LF		2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports	92.71	2.40
			For Rake Or Angle Railings, Add	7.09	
			For Curved Railings, Add	40.84	
			For 4" On Center Standards, Add	6.31	
			For 4-1/2" On Center Standards, Add	5.05	
			For 5" On Center Standards, Add	3.37	
			For 5-1/2" On Center Standards, Add	1.68	
			For Each Field Bending Of Rails, Add	4.63	
05 73 00 00-0009			Plain Handrails (05 73)		
05 73 00 00-0010	LF		2" Brass Handrail	26.39	5.19
05 73 00 00-0011	EA		90 Degree Angle For 2" Brass Handrail	52.38	19.01
05 73 00 00-0012	EA		End Cap For 2" Brass Handrail.....	23.78	9.53
05 73 00 00-0013	EA		Brass Bracket And Joint For 2" Brass Handrail	39.60	19.01
05 73 00 00-0014	LF		2" Stainless Steel Handrail	49.09	9.44
05 73 00 00-0015			Restoration Of Existing Metal Handrail And Railing (05 73)		
Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0365 for painting.					
05 73 00 00-0016	LF		Refinish Metal Handrail.....	4.05	
05 73 00 00-0017	LF		Refinish Wrought Iron Balustrade.....	4.00	
05 73 00 00-0018			Remove And Reinstall Ornamental Railing (05 73)		
05 73 00 00-0019	LF		Removal And Reinstallation Of Ornamental Handrail And Pickets	44.14	
05 75			Decorative Formed Metal (05 70)		
05 75 00 00-0001			Metal Sheets, Installed On Walls (05 75)		
Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.					
05 75 00 00-0002			Copper Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.					
05 75 00 00-0003	SF		0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	12.61	0.82
			For >16 To 200, Deduct	-0.71	
			For >200 To 500, Deduct	-1.43	
			For >500, Deduct	-2.06	
05 75 00 00-0004	SF		0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	15.73	0.92
			For >16 To 200, Deduct	-0.88	
			For >200 To 500, Deduct	-1.76	
			For >500, Deduct	-2.54	

05 Metals**05 70 Decorative Metal****05 75 Decorative Formed Metal**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 75 00 00-0005	SF	0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls		17.21	0.99
		For >16 To 200, Deduct		-0.96	
		For >200 To 500, Deduct		-1.92	
		For >500, Deduct		-2.78	
05 75 00 00-0006	SF	0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls		18.59	1.04
		For >16 To 200, Deduct		-1.03	
		For >200 To 500, Deduct		-2.07	
		For >500, Deduct		-3.00	
05 75 00 00-0007	SF	0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls		21.19	1.09
		For >16 To 200, Deduct		-1.17	
		For >200 To 500, Deduct		-2.34	
		For >500, Deduct		-3.40	
05 75 00 00-0008	SF	0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls		26.82	1.13
		For >16 To 200, Deduct		-1.45	
		For >200 To 500, Deduct		-2.91	
		For >500, Deduct		-4.25	
05 75 00 00-0009	SF	0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls		31.43	1.18
		For >16 To 200, Deduct		-1.69	
		For >200 To 500, Deduct		-3.38	
		For >500, Deduct		-4.95	
05 75 00 00-0010	SF	0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls		38.05	1.29
		For >16 To 200, Deduct		-2.03	
		For >200 To 500, Deduct		-4.06	
		For >500, Deduct		-5.96	
05 75 00 00-0011	SF	0.08" Thick Copper Sheet, Installed On Walls		46.73	1.38
		For >16 To 200, Deduct		-2.47	
		For >200 To 500, Deduct		-4.95	
		For >500, Deduct		-7.29	
05 75 00 00-0012	SF	0.125" Thick Copper Sheet, Installed On Walls		68.58	1.48
		For >16 To 200, Deduct		-3.58	
		For >200 To 500, Deduct		-7.15	
		For >500, Deduct		-10.58	
05 75 00 00-0013		Stainless Steel Sheets, Installed On Walls (05 75 00 00-0001)			
		Note: Includes field fabrication.			
05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls		11.50	1.61
		For >16 To 200, Deduct		-0.74	
		For >200 To 500, Deduct		-1.47	
		For >500, Deduct		-2.05	
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls		12.91	1.73
		For >16 To 200, Deduct		-0.82	
		For >200 To 500, Deduct		-1.64	
		For >500, Deduct		-2.28	
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls		14.12	1.85
		For >16 To 200, Deduct		-0.89	
		For >200 To 500, Deduct		-1.78	
		For >500, Deduct		-2.49	
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls		16.92	2.09
		For >16 To 200, Deduct		-1.06	
		For >200 To 500, Deduct		-2.11	
		For >500, Deduct		-2.96	
05 75 00 00-0018	SF	0.0625" Thick (16 gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls		19.68	2.35
		For >16 To 200, Deduct		-1.22	
		For >200 To 500, Deduct		-2.44	
		For >500, Deduct		-3.42	
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls		23.42	2.71
		For >16 To 200, Deduct		-1.44	
		For >200 To 500, Deduct		-2.88	
		For >500, Deduct		-4.06	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls		31.59	2.96
		For >16 To 200, Deduct		-1.88	
		For >200 To 500, Deduct		-3.75	
		For >500, Deduct		-5.33	
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls		41.60	3.21
		For >16 To 200, Deduct		-2.40	
		For >200 To 500, Deduct		-4.80	
		For >500, Deduct		-6.88	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls		54.42	3.45
		For >16 To 200, Deduct		-3.07	
		For >200 To 500, Deduct		-6.13	
		For >500, Deduct		-8.85	
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls		88.16	3.70
		For >16 To 200, Deduct		-4.78	
		For >200 To 500, Deduct		-9.56	
		For >500, Deduct		-13.96	
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls		112.23	4.32
		For >16 To 200, Deduct		-6.04	
		For >200 To 500, Deduct		-12.09	
		For >500, Deduct		-17.70	
05 75 00 00-0025		Aluminum Sheets, Installed On Walls (05 75 00 00-0001)			
		Note: Includes field fabrication.			
05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls		5.56	0.82
		For >16 To 200, Deduct		-0.36	
		For >200 To 500, Deduct		-0.72	
		For >500, Deduct		-1.00	



Metals	05
Decorative Metal	05 70
Decorative Formed Metal	05 75

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0027 SF 0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls.....	6.32	0.92
<i>For >16 To 200, Deduct</i>	-0.41	
<i>For >200 To 500, Deduct</i>	-0.82	
<i>For >500, Deduct</i>	-1.13	
05 75 00 00-0028 SF 0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls.....	7.07	0.99
<i>For >16 To 200, Deduct</i>	-0.45	
<i>For >200 To 500, Deduct</i>	-0.90	
<i>For >500, Deduct</i>	-1.26	
05 75 00 00-0029 SF 0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls.....	7.88	1.04
<i>For >16 To 200, Deduct</i>	-0.50	
<i>For >200 To 500, Deduct</i>	-1.00	
<i>For >500, Deduct</i>	-1.39	
05 75 00 00-0030 SF 0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls.....	8.69	1.09
<i>For >16 To 200, Deduct</i>	-0.54	
<i>For >200 To 500, Deduct</i>	-1.09	
<i>For >500, Deduct</i>	-1.52	
05 75 00 00-0031 SF 0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls.....	9.57	1.13
<i>For >16 To 200, Deduct</i>	-0.59	
<i>For >200 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.66	
05 75 00 00-0032 SF 0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls.....	10.68	1.18
<i>For >16 To 200, Deduct</i>	-0.65	
<i>For >200 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.84	
05 75 00 00-0033 SF 0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	12.72	1.38
<i>For >16 To 200, Deduct</i>	-0.77	
<i>For >200 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-2.18	
05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
Note: Includes field fabrication.		
05 75 00 00-0035 SF 0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	6.07	0.94
<i>For >16 To 200, Deduct</i>	-0.40	
<i>For >200 To 500, Deduct</i>	-0.79	
<i>For >500, Deduct</i>	-1.10	
05 75 00 00-0036 SF 0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	6.51	0.99
<i>For >16 To 200, Deduct</i>	-0.42	
<i>For >200 To 500, Deduct</i>	-0.85	
<i>For >500, Deduct</i>	-1.17	
05 75 00 00-0037 SF 0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	6.76	1.04
<i>For >16 To 200, Deduct</i>	-0.44	
<i>For >200 To 500, Deduct</i>	-0.88	
<i>For >500, Deduct</i>	-1.22	
05 75 00 00-0038 SF 0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	7.20	1.09
<i>For >16 To 200, Deduct</i>	-0.47	
<i>For >200 To 500, Deduct</i>	-0.94	
<i>For >500, Deduct</i>	-1.30	
05 75 00 00-0039 SF 0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	7.81	1.13
<i>For >16 To 200, Deduct</i>	-0.50	
<i>For >200 To 500, Deduct</i>	-1.01	
<i>For >500, Deduct</i>	-1.40	
05 75 00 00-0040 SF 0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	8.48	1.18
<i>For >16 To 200, Deduct</i>	-0.54	
<i>For >200 To 500, Deduct</i>	-1.09	
<i>For >500, Deduct</i>	-1.51	
05 75 00 00-0041 SF 0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	9.84	1.29
<i>For >16 To 200, Deduct</i>	-0.62	
<i>For >200 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.73	
05 75 00 00-0042 SF 0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.43	1.38
<i>For >16 To 200, Deduct</i>	-0.71	
<i>For >200 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.99	
05 75 00 00-0043 SF 0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.71	1.48
<i>For >16 To 200, Deduct</i>	-0.78	
<i>For >200 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-2.20	
05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
Note: Includes field fabrication.		
05 75 00 00-0045 SF 0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	4.95	0.73
<i>For >16 To 200, Deduct</i>	-0.32	
<i>For >200 To 500, Deduct</i>	-0.64	
<i>For >500, Deduct</i>	-0.89	
05 75 00 00-0046 SF 0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	5.76	0.82
<i>For >16 To 200, Deduct</i>	-0.37	
<i>For >200 To 500, Deduct</i>	-0.74	
<i>For >500, Deduct</i>	-1.03	
05 75 00 00-0047 SF 0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	6.56	0.92
<i>For >16 To 200, Deduct</i>	-0.42	
<i>For >200 To 500, Deduct</i>	-0.84	
<i>For >500, Deduct</i>	-1.17	
05 75 00 00-0048 SF 0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	7.28	0.99
<i>For >16 To 200, Deduct</i>	-0.46	
<i>For >200 To 500, Deduct</i>	-0.93	
<i>For >500, Deduct</i>	-1.29	

05	05	Metals
	05 70	Decorative Metal
	05 75	Decorative Formed Metal



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

END OF SECTION 05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites ⁽⁰⁶⁾

06 01 20 Maintenance of Finish Carpentry ^(06 01)

06 01 20 91 Finish Carpentry Restoration ^(06 01 20)

06 01 20 91-0001 Wood Trim Repair ^(06 01 20 91)

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork.....	2.93	
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Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.

06 05 Common Work Results For Wood, Plastics, And Composites

06 05 23 Wood, Plastic, And Composite Fastenings ^(06 05)

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts ^(06 05 23)

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt.....	6.33	
		For >10 To 50, Deduct	-0.14	
		For >50 To 100, Deduct	-0.37	
		For >100 To 250, Deduct	-0.73	
		For >250 To 500, Deduct	-1.24	
		For >500, Deduct	-1.75	
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt.....	9.17	
		For >10 To 50, Deduct	-0.15	
		For >50 To 100, Deduct	-0.45	
		For >100 To 250, Deduct	-0.91	
		For >250 To 500, Deduct	-1.51	
		For >500, Deduct	-2.11	
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt.....	10.39	
		For >10 To 50, Deduct	-0.15	
		For >50 To 100, Deduct	-0.48	
		For >100 To 250, Deduct	-0.97	
		For >250 To 500, Deduct	-1.60	
		For >500, Deduct	-2.24	
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt.....	22.51	
		For >10 To 50, Deduct	-0.20	
		For >50 To 100, Deduct	-0.87	
		For >100 To 250, Deduct	-1.74	
		For >250 To 500, Deduct	-2.81	
		For >500, Deduct	-3.89	

06 05 23 00-0006 Framing Anchors ^(06 05 23)

06 05 23 00-0007	EA	10 Gauge Framing Anchor.....	2.85	1.17
		For >10 To 50, Deduct	-0.11	
		For >50 To 100, Deduct	-0.24	
		For >100 To 250, Deduct	-0.48	
		For >250 To 500, Deduct	-0.82	
		For >500, Deduct	-1.17	

06 05 23 00-0008 Joist And Beam Hangers ^(06 05 23)

06 05 23 00-0009	EA	18 Gauge Joist Hanger, For 2" x 4" Joist, Also Acceptable For Beam Hangers.....	2.87	1.08
		For >10 To 50, Deduct	-0.11	
		For >50 To 100, Deduct	-0.24	
		For >100 To 250, Deduct	-0.48	
		For >250 To 500, Deduct	-0.83	
		For >500, Deduct	-1.18	
06 05 23 00-0010	EA	18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers.....	3.56	1.08
		For >10 To 50, Deduct	-0.12	
		For >50 To 100, Deduct	-0.27	
		For >100 To 250, Deduct	-0.53	
		For >250 To 500, Deduct	-0.92	
		For >500, Deduct	-1.30	
06 05 23 00-0011	EA	16 Gauge Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers.....	5.34	1.08
		For >10 To 50, Deduct	-0.12	
		For >50 To 100, Deduct	-0.32	
		For >100 To 250, Deduct	-0.63	
		For >250 To 500, Deduct	-1.07	
		For >500, Deduct	-1.51	
06 05 23 00-0012	EA	16 Gauge Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers.....	5.52	1.08
		For >10 To 50, Deduct	-0.12	
		For >50 To 100, Deduct	-0.32	
		For >100 To 250, Deduct	-0.64	
		For >250 To 500, Deduct	-1.08	
		For >500, Deduct	-1.52	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0013	EA		16 Gauge Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers.....	5.49	1.12
			<i>For >10 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.33	
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.10	
			<i>For >500, Deduct</i>	-1.55	
06 05 23 00-0014	EA		16 Gauge Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers.....	5.98	1.12
			<i>For >10 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500, Deduct</i>	-1.60	
06 05 23 00-0015			Post Framing <small>(06 05 23)</small>		
06 05 23 00-0016	EA		16 Gauge Post Framing With 4" x 4" Base.....	7.73	1.36
			<i>For >10 To 50, Deduct</i>	-0.15	
			<i>For >50 To 100, Deduct</i>	-0.42	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.97	
06 05 23 00-0017	EA		16 Gauge Post Framing With 4" x 4" Cap.....	5.86	1.36
			<i>For >10 To 50, Deduct</i>	-0.15	
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.78	
06 05 23 00-0018			Rafter Anchors <small>(06 05 23)</small>		
06 05 23 00-0019	EA		1-1/2" Wide x 5-1/4" Long, 18 Gauge Rafter Anchor.....	3.02	1.21
			<i>For >10 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.37	
06 05 23 00-0020	EA		1-1/2" Wide x 10-3/4" Long, 18 Gauge Rafter Anchor.....	3.22	1.21
			<i>For >10 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.98	
			<i>For >500, Deduct</i>	-1.39	
06 05 23 00-0021	EA		Galvanized Rigid Rafter Connector, For 2" x 6".....	4.56	1.21
			<i>For >10 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.53	
06 05 23 00-0022			Bolts And Fasteners <small>(06 05 23)</small>		
06 05 23 00-0023			Carriage Bolts <small>(06 05 23 00-0022)</small>		
			Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0024			Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0023)</small>		
06 05 23 00-0025	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	5.28	
			<i>For >10 To 50, Deduct</i>	-0.25	
			<i>For >50 To 100, Deduct</i>	-0.51	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.55	
06 05 23 00-0026	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	5.39	
			<i>For >10 To 50, Deduct</i>	-0.25	
			<i>For >50 To 100, Deduct</i>	-0.51	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.56	
06 05 23 00-0027	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	5.45	
			<i>For >10 To 50, Deduct</i>	-0.25	
			<i>For >50 To 100, Deduct</i>	-0.52	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.57	
06 05 23 00-0028	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	6.41	
			<i>For >10 To 50, Deduct</i>	-0.29	
			<i>For >50 To 100, Deduct</i>	-0.60	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.97	
06 05 23 00-0029	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	5.95	
			<i>For >10 To 50, Deduct</i>	-0.27	
			<i>For >50 To 100, Deduct</i>	-0.56	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0030 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	6.50	
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.60	
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.98	
06 05 23 00-0031 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	6.67	
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.60	
For >100 To 250, Deduct	-1.21	
For >250 To 500, Deduct	-2.10	
For >500, Deduct	-3.00	
06 05 23 00-0032 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	7.96	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.72	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.60	
06 05 23 00-0033 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	8.84	
For >10 To 50, Deduct	-0.37	
For >50 To 100, Deduct	-0.78	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.84	
06 05 23 00-0034 EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	10.10	
For >10 To 50, Deduct	-0.41	
For >50 To 100, Deduct	-0.86	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-3.00	
For >500, Deduct	-4.27	
06 05 23 00-0035 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	6.85	
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.61	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-3.02	
06 05 23 00-0036 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	7.67	
For >10 To 50, Deduct	-0.31	
For >50 To 100, Deduct	-0.66	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-3.26	
06 05 23 00-0037 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	8.18	
For >10 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-0.70	
For >100 To 250, Deduct	-1.40	
For >250 To 500, Deduct	-2.43	
For >500, Deduct	-3.46	
06 05 23 00-0038 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	9.21	
For >10 To 50, Deduct	-0.37	
For >50 To 100, Deduct	-0.78	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.88	
06 05 23 00-0039 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	10.94	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-0.91	
For >100 To 250, Deduct	-1.83	
For >250 To 500, Deduct	-3.17	
For >500, Deduct	-4.51	
06 05 23 00-0040 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	12.49	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.01	
For >100 To 250, Deduct	-2.02	
For >250 To 500, Deduct	-3.50	
For >500, Deduct	-4.98	
06 05 23 00-0041 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	10.25	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.78	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.83	
06 05 23 00-0042 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	11.30	
For >10 To 50, Deduct	-0.37	
For >50 To 100, Deduct	-0.84	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.88	
For >500, Deduct	-4.09	
06 05 23 00-0043 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	13.81	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-0.99	
For >100 To 250, Deduct	-1.97	
For >250 To 500, Deduct	-3.39	
For >500, Deduct	-4.80	
06 05 23 00-0044 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	16.14	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-1.07	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-3.67	
For >500, Deduct	-5.19	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0045	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.51	
		<i>For >10 To 50, Deduct</i>	-0.49	
		<i>For >50 To 100, Deduct</i>	-1.17	
		<i>For >100 To 250, Deduct</i>	-2.33	
		<i>For >250 To 500, Deduct</i>	-3.98	
		<i>For >500, Deduct</i>	-5.64	
06 05 23 00-0046	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.69	
		<i>For >10 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.20	
		<i>For >100 To 250, Deduct</i>	-2.40	
		<i>For >250 To 500, Deduct</i>	-4.11	
		<i>For >500, Deduct</i>	-5.81	
06 05 23 00-0047		Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0023)</small>		
06 05 23 00-0048	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	5.47	
		<i>For >10 To 50, Deduct</i>	-0.25	
		<i>For >50 To 100, Deduct</i>	-0.52	
		<i>For >100 To 250, Deduct</i>	-1.03	
		<i>For >250 To 500, Deduct</i>	-1.80	
		<i>For >500, Deduct</i>	-2.57	
06 05 23 00-0049	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	5.66	
		<i>For >10 To 50, Deduct</i>	-0.25	
		<i>For >50 To 100, Deduct</i>	-0.52	
		<i>For >100 To 250, Deduct</i>	-1.04	
		<i>For >250 To 500, Deduct</i>	-1.81	
		<i>For >500, Deduct</i>	-2.59	
06 05 23 00-0050	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	5.87	
		<i>For >10 To 50, Deduct</i>	-0.25	
		<i>For >50 To 100, Deduct</i>	-0.53	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.83	
		<i>For >500, Deduct</i>	-2.61	
06 05 23 00-0051	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	7.12	
		<i>For >10 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.62	
		<i>For >100 To 250, Deduct</i>	-1.23	
		<i>For >250 To 500, Deduct</i>	-2.14	
		<i>For >500, Deduct</i>	-3.04	
06 05 23 00-0052	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	6.20	
		<i>For >10 To 50, Deduct</i>	-0.27	
		<i>For >50 To 100, Deduct</i>	-0.56	
		<i>For >100 To 250, Deduct</i>	-1.13	
		<i>For >250 To 500, Deduct</i>	-1.96	
		<i>For >500, Deduct</i>	-2.80	
06 05 23 00-0053	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	6.90	
		<i>For >10 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.61	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-2.12	
		<i>For >500, Deduct</i>	-3.02	
06 05 23 00-0054	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	7.14	
		<i>For >10 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.62	
		<i>For >100 To 250, Deduct</i>	-1.23	
		<i>For >250 To 500, Deduct</i>	-2.14	
		<i>For >500, Deduct</i>	-3.05	
06 05 23 00-0055	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	8.67	
		<i>For >10 To 50, Deduct</i>	-0.35	
		<i>For >50 To 100, Deduct</i>	-0.74	
		<i>For >100 To 250, Deduct</i>	-1.48	
		<i>For >250 To 500, Deduct</i>	-2.58	
		<i>For >500, Deduct</i>	-3.67	
06 05 23 00-0056	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	9.64	
		<i>For >10 To 50, Deduct</i>	-0.37	
		<i>For >50 To 100, Deduct</i>	-0.80	
		<i>For >100 To 250, Deduct</i>	-1.59	
		<i>For >250 To 500, Deduct</i>	-2.76	
		<i>For >500, Deduct</i>	-3.92	
06 05 23 00-0057	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.84	
		<i>For >10 To 50, Deduct</i>	-0.41	
		<i>For >50 To 100, Deduct</i>	-0.88	
		<i>For >100 To 250, Deduct</i>	-1.77	
		<i>For >250 To 500, Deduct</i>	-3.06	
		<i>For >500, Deduct</i>	-4.35	
06 05 23 00-0058	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	7.45	
		<i>For >10 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.62	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-2.16	
		<i>For >500, Deduct</i>	-3.08	
06 05 23 00-0059	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	8.14	
		<i>For >10 To 50, Deduct</i>	-0.31	
		<i>For >50 To 100, Deduct</i>	-0.67	
		<i>For >100 To 250, Deduct</i>	-1.34	
		<i>For >250 To 500, Deduct</i>	-2.32	
		<i>For >500, Deduct</i>	-3.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0060 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt 8.74 <i>For >10 To 50, Deduct</i> -0.33 <i>For >50 To 100, Deduct</i> -0.71 <i>For >100 To 250, Deduct</i> -1.43 <i>For >250 To 500, Deduct</i> -2.47 <i>For >500, Deduct</i> -3.51		
06 05 23 00-0061 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt 10.01 <i>For >10 To 50, Deduct</i> -0.37 <i>For >50 To 100, Deduct</i> -0.80 <i>For >100 To 250, Deduct</i> -1.61 <i>For >250 To 500, Deduct</i> -2.78 <i>For >500, Deduct</i> -3.96		
06 05 23 00-0062 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt 11.73 <i>For >10 To 50, Deduct</i> -0.43 <i>For >50 To 100, Deduct</i> -0.93 <i>For >100 To 250, Deduct</i> -1.87 <i>For >250 To 500, Deduct</i> -3.23 <i>For >500, Deduct</i> -4.59		
06 05 23 00-0063 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt 13.09 <i>For >10 To 50, Deduct</i> -0.47 <i>For >50 To 100, Deduct</i> -1.03 <i>For >100 To 250, Deduct</i> -2.05 <i>For >250 To 500, Deduct</i> -3.55 <i>For >500, Deduct</i> -5.04		
06 05 23 00-0064 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt 12.05 <i>For >10 To 50, Deduct</i> -0.35 <i>For >50 To 100, Deduct</i> -0.83 <i>For >100 To 250, Deduct</i> -1.65 <i>For >250 To 500, Deduct</i> -2.83 <i>For >500, Deduct</i> -4.01		
06 05 23 00-0065 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt 12.56 <i>For >10 To 50, Deduct</i> -0.37 <i>For >50 To 100, Deduct</i> -0.87 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.97 <i>For >500, Deduct</i> -4.21		
06 05 23 00-0066 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt 14.70 <i>For >10 To 50, Deduct</i> -0.43 <i>For >50 To 100, Deduct</i> -1.01 <i>For >100 To 250, Deduct</i> -2.02 <i>For >250 To 500, Deduct</i> -3.45 <i>For >500, Deduct</i> -4.89		
06 05 23 00-0067 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt 16.07 <i>For >10 To 50, Deduct</i> -0.45 <i>For >50 To 100, Deduct</i> -1.07 <i>For >100 To 250, Deduct</i> -2.14 <i>For >250 To 500, Deduct</i> -3.66 <i>For >500, Deduct</i> -5.18		
06 05 23 00-0068 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt 18.67 <i>For >10 To 50, Deduct</i> -0.49 <i>For >50 To 100, Deduct</i> -1.20 <i>For >100 To 250, Deduct</i> -2.39 <i>For >250 To 500, Deduct</i> -4.07 <i>For >500, Deduct</i> -5.75		
06 05 23 00-0069 EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt 20.11 <i>For >10 To 50, Deduct</i> -0.51 <i>For >50 To 100, Deduct</i> -1.26 <i>For >100 To 250, Deduct</i> -2.52 <i>For >250 To 500, Deduct</i> -4.29 <i>For >500, Deduct</i> -6.06		
06 05 23 00-0070 304/18-8 Stainless Steel, Carriage Bolts <small>(06 05 23 00-0023)</small>		
06 05 23 00-0071 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt 5.92 <i>For >10 To 50, Deduct</i> -0.25 <i>For >50 To 100, Deduct</i> -0.53 <i>For >100 To 250, Deduct</i> -1.05 <i>For >250 To 500, Deduct</i> -1.83 <i>For >500, Deduct</i> -2.61		
06 05 23 00-0072 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt 6.88 <i>For >10 To 50, Deduct</i> -0.25 <i>For >50 To 100, Deduct</i> -0.55 <i>For >100 To 250, Deduct</i> -1.10 <i>For >250 To 500, Deduct</i> -1.90 <i>For >500, Deduct</i> -2.71		
06 05 23 00-0073 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt 7.51 <i>For >10 To 50, Deduct</i> -0.25 <i>For >50 To 100, Deduct</i> -0.57 <i>For >100 To 250, Deduct</i> -1.13 <i>For >250 To 500, Deduct</i> -1.95 <i>For >500, Deduct</i> -2.77		
06 05 23 00-0074 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt 15.02 <i>For >10 To 50, Deduct</i> -0.29 <i>For >50 To 100, Deduct</i> -0.81 <i>For >100 To 250, Deduct</i> -1.63 <i>For >250 To 500, Deduct</i> -2.73 <i>For >500, Deduct</i> -3.83		

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0075	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	7.20	
		<i>For >10 To 50, Deduct</i>	-0.27	
		<i>For >50 To 100, Deduct</i>	-0.59	
		<i>For >100 To 250, Deduct</i>	-1.18	
		<i>For >250 To 500, Deduct</i>	-2.04	
		<i>For >500, Deduct</i>	-2.90	
06 05 23 00-0076	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	8.98	
		<i>For >10 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.66	
		<i>For >100 To 250, Deduct</i>	-1.32	
		<i>For >250 To 500, Deduct</i>	-2.28	
		<i>For >500, Deduct</i>	-3.23	
06 05 23 00-0077	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	9.28	
		<i>For >10 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.67	
		<i>For >100 To 250, Deduct</i>	-1.34	
		<i>For >250 To 500, Deduct</i>	-2.30	
		<i>For >500, Deduct</i>	-3.26	
06 05 23 00-0078	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	20.42	
		<i>For >10 To 50, Deduct</i>	-0.35	
		<i>For >50 To 100, Deduct</i>	-1.04	
		<i>For >100 To 250, Deduct</i>	-2.07	
		<i>For >250 To 500, Deduct</i>	-3.46	
		<i>For >500, Deduct</i>	-4.84	
06 05 23 00-0079	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	25.79	
		<i>For >10 To 50, Deduct</i>	-0.37	
		<i>For >50 To 100, Deduct</i>	-1.20	
		<i>For >100 To 250, Deduct</i>	-2.40	
		<i>For >250 To 500, Deduct</i>	-3.97	
		<i>For >500, Deduct</i>	-5.54	
06 05 23 00-0080	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	28.98	
		<i>For >10 To 50, Deduct</i>	-0.41	
		<i>For >50 To 100, Deduct</i>	-1.34	
		<i>For >100 To 250, Deduct</i>	-2.67	
		<i>For >250 To 500, Deduct</i>	-4.42	
		<i>For >500, Deduct</i>	-6.16	
06 05 23 00-0081	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	10.09	
		<i>For >10 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.69	
		<i>For >100 To 250, Deduct</i>	-1.38	
		<i>For >250 To 500, Deduct</i>	-2.36	
		<i>For >500, Deduct</i>	-3.34	
06 05 23 00-0082	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	11.82	
		<i>For >10 To 50, Deduct</i>	-0.31	
		<i>For >50 To 100, Deduct</i>	-0.76	
		<i>For >100 To 250, Deduct</i>	-1.52	
		<i>For >250 To 500, Deduct</i>	-2.60	
		<i>For >500, Deduct</i>	-3.67	
06 05 23 00-0083	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	15.10	
		<i>For >10 To 50, Deduct</i>	-0.33	
		<i>For >50 To 100, Deduct</i>	-0.87	
		<i>For >100 To 250, Deduct</i>	-1.75	
		<i>For >250 To 500, Deduct</i>	-2.95	
		<i>For >500, Deduct</i>	-4.15	
06 05 23 00-0084	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	26.67	
		<i>For >10 To 50, Deduct</i>	-0.37	
		<i>For >50 To 100, Deduct</i>	-1.22	
		<i>For >100 To 250, Deduct</i>	-2.44	
		<i>For >250 To 500, Deduct</i>	-4.03	
		<i>For >500, Deduct</i>	-5.62	
06 05 23 00-0085	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	29.94	
		<i>For >10 To 50, Deduct</i>	-0.43	
		<i>For >50 To 100, Deduct</i>	-1.39	
		<i>For >100 To 250, Deduct</i>	-2.78	
		<i>For >250 To 500, Deduct</i>	-4.60	
		<i>For >500, Deduct</i>	-6.41	
06 05 23 00-0086	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	50.48	
		<i>For >10 To 50, Deduct</i>	-0.47	
		<i>For >50 To 100, Deduct</i>	-1.96	
		<i>For >100 To 250, Deduct</i>	-3.92	
		<i>For >250 To 500, Deduct</i>	-6.35	
		<i>For >500, Deduct</i>	-8.78	
06 05 23 00-0087	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	39.09	
		<i>For >10 To 50, Deduct</i>	-0.37	
		<i>For >50 To 100, Deduct</i>	-1.53	
		<i>For >100 To 250, Deduct</i>	-3.06	
		<i>For >250 To 500, Deduct</i>	-4.96	
		<i>For >500, Deduct</i>	-6.87	
06 05 23 00-0088	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	56.96	
		<i>For >10 To 50, Deduct</i>	-0.43	
		<i>For >50 To 100, Deduct</i>	-2.07	
		<i>For >100 To 250, Deduct</i>	-4.13	
		<i>For >250 To 500, Deduct</i>	-6.62	
		<i>For >500, Deduct</i>	-9.12	
06 05 23 00-0089	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	63.57	
		<i>For >10 To 50, Deduct</i>	-0.45	
		<i>For >50 To 100, Deduct</i>	-2.26	
		<i>For >100 To 250, Deduct</i>	-4.52	
		<i>For >250 To 500, Deduct</i>	-7.23	
		<i>For >500, Deduct</i>	-9.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0090 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	96.78	
For >10 To 50, Deduct	-0.49	
For >50 To 100, Deduct	-3.15	
For >100 To 250, Deduct	-6.30	
For >250 To 500, Deduct	-9.93	
For >500, Deduct	-13.56	
06 05 23 00-0091 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	101.92	
For >10 To 50, Deduct	-0.51	
For >50 To 100, Deduct	-3.31	
For >100 To 250, Deduct	-6.61	
For >250 To 500, Deduct	-10.42	
For >500, Deduct	-14.24	
06 05 23 00-0092 316 Stainless Steel, Carriage Bolts <small>(06 05 23 00-0023)</small>		
06 05 23 00-0093 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	10.34	
For >10 To 50, Deduct	-0.25	
For >50 To 100, Deduct	-0.64	
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-3.05	
06 05 23 00-0094 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	12.02	
For >10 To 50, Deduct	-0.25	
For >50 To 100, Deduct	-0.68	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-3.22	
06 05 23 00-0095 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	12.98	
For >10 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.73	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-2.47	
For >500, Deduct	-3.47	
06 05 23 00-0096 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	15.70	
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.83	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.78	
For >500, Deduct	-3.90	
06 05 23 00-0097 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	23.17	
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-1.02	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-3.34	
For >500, Deduct	-4.65	
06 05 23 00-0098 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	25.37	
For >10 To 50, Deduct	-0.31	
For >50 To 100, Deduct	-1.10	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-3.61	
For >500, Deduct	-5.03	
06 05 23 00-0099 EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	27.42	
For >10 To 50, Deduct	-0.33	
For >50 To 100, Deduct	-1.18	
For >100 To 250, Deduct	-2.36	
For >250 To 500, Deduct	-3.87	
For >500, Deduct	-5.38	
06 05 23 00-0100 Hex Lag Bolts <small>(06 05 23 00-0022)</small>		
Note: Includes drilling of holes in any material.		
06 05 23 00-0101 Zinc Plated Steel, Hex Lag Bolts <small>(06 05 23 00-0100)</small>		
06 05 23 00-0102 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	5.00	
For >10 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.49	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.71	
For >500, Deduct	-2.44	
06 05 23 00-0103 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	5.09	
For >10 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.49	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.72	
For >500, Deduct	-2.45	
06 05 23 00-0104 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	5.27	
For >10 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.50	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.73	
For >500, Deduct	-2.47	
06 05 23 00-0105 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	5.57	
For >10 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.54	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.68	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 05 23 00-0106	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	6.11	
		<i>For >10 To 50, Deduct</i>	-0.28	
		<i>For >50 To 100, Deduct</i>	-0.58	
		<i>For >100 To 250, Deduct</i>	-1.16	
		<i>For >250 To 500, Deduct</i>	-2.02	
		<i>For >500, Deduct</i>	-2.88	
06 05 23 00-0107	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	6.31	
		<i>For >10 To 50, Deduct</i>	-0.28	
		<i>For >50 To 100, Deduct</i>	-0.58	
		<i>For >100 To 250, Deduct</i>	-1.17	
		<i>For >250 To 500, Deduct</i>	-2.03	
		<i>For >500, Deduct</i>	-2.90	
06 05 23 00-0108	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	7.86	
		<i>For >10 To 50, Deduct</i>	-0.34	
		<i>For >50 To 100, Deduct</i>	-0.71	
		<i>For >100 To 250, Deduct</i>	-1.41	
		<i>For >250 To 500, Deduct</i>	-2.46	
		<i>For >500, Deduct</i>	-3.51	
06 05 23 00-0109	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	8.34	
		<i>For >10 To 50, Deduct</i>	-0.36	
		<i>For >50 To 100, Deduct</i>	-0.75	
		<i>For >100 To 250, Deduct</i>	-1.49	
		<i>For >250 To 500, Deduct</i>	-2.60	
		<i>For >500, Deduct</i>	-3.71	
06 05 23 00-0110	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	6.28	
		<i>For >10 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.59	
		<i>For >100 To 250, Deduct</i>	-1.17	
		<i>For >250 To 500, Deduct</i>	-2.04	
		<i>For >500, Deduct</i>	-2.91	
06 05 23 00-0111	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	6.96	
		<i>For >10 To 50, Deduct</i>	-0.31	
		<i>For >50 To 100, Deduct</i>	-0.63	
		<i>For >100 To 250, Deduct</i>	-1.26	
		<i>For >250 To 500, Deduct</i>	-2.20	
		<i>For >500, Deduct</i>	-3.14	
06 05 23 00-0112	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	7.70	
		<i>For >10 To 50, Deduct</i>	-0.32	
		<i>For >50 To 100, Deduct</i>	-0.68	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-2.36	
		<i>For >500, Deduct</i>	-3.36	
06 05 23 00-0113	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	8.89	
		<i>For >10 To 50, Deduct</i>	-0.36	
		<i>For >50 To 100, Deduct</i>	-0.77	
		<i>For >100 To 250, Deduct</i>	-1.53	
		<i>For >250 To 500, Deduct</i>	-2.66	
		<i>For >500, Deduct</i>	-3.79	
06 05 23 00-0114	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	10.60	
		<i>For >10 To 50, Deduct</i>	-0.42	
		<i>For >50 To 100, Deduct</i>	-0.89	
		<i>For >100 To 250, Deduct</i>	-1.79	
		<i>For >250 To 500, Deduct</i>	-3.10	
		<i>For >500, Deduct</i>	-4.41	
06 05 23 00-0115	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	11.58	
		<i>For >10 To 50, Deduct</i>	-0.46	
		<i>For >50 To 100, Deduct</i>	-0.98	
		<i>For >100 To 250, Deduct</i>	-1.95	
		<i>For >250 To 500, Deduct</i>	-3.38	
		<i>For >500, Deduct</i>	-4.82	
06 05 23 00-0116	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	10.10	
		<i>For >10 To 50, Deduct</i>	-0.36	
		<i>For >50 To 100, Deduct</i>	-0.80	
		<i>For >100 To 250, Deduct</i>	-1.59	
		<i>For >250 To 500, Deduct</i>	-2.75	
		<i>For >500, Deduct</i>	-3.91	
06 05 23 00-0117	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	12.27	
		<i>For >10 To 50, Deduct</i>	-0.42	
		<i>For >50 To 100, Deduct</i>	-0.94	
		<i>For >100 To 250, Deduct</i>	-1.87	
		<i>For >250 To 500, Deduct</i>	-3.22	
		<i>For >500, Deduct</i>	-4.58	
06 05 23 00-0118	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.02	
		<i>For >10 To 50, Deduct</i>	-0.44	
		<i>For >50 To 100, Deduct</i>	-1.01	
		<i>For >100 To 250, Deduct</i>	-2.02	
		<i>For >250 To 500, Deduct</i>	-3.46	
		<i>For >500, Deduct</i>	-4.91	
06 05 23 00-0119	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.04	
		<i>For >10 To 50, Deduct</i>	-0.48	
		<i>For >50 To 100, Deduct</i>	-1.12	
		<i>For >100 To 250, Deduct</i>	-2.23	
		<i>For >250 To 500, Deduct</i>	-3.82	
		<i>For >500, Deduct</i>	-5.41	
06 05 23 00-0120	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	18.63	
		<i>For >10 To 50, Deduct</i>	-0.50	
		<i>For >50 To 100, Deduct</i>	-1.21	
		<i>For >100 To 250, Deduct</i>	-2.42	
		<i>For >250 To 500, Deduct</i>	-4.12	
		<i>For >500, Deduct</i>	-5.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 05 23 00-0121	Hot Dipped Galvanized Steel, Hex Lag Bolts <small>(06 05 23 00-0100)</small>		
06 05 23 00-0122	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	5.04	
	For >10 To 50, Deduct	-0.24	
	For >50 To 100, Deduct	-0.49	
	For >100 To 250, Deduct	-0.98	
	For >250 To 500, Deduct	-1.71	
	For >500, Deduct	-2.45	
06 05 23 00-0123	EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	5.18	
	For >10 To 50, Deduct	-0.24	
	For >50 To 100, Deduct	-0.49	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.73	
	For >500, Deduct	-2.46	
06 05 23 00-0124	EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	5.32	
	For >10 To 50, Deduct	-0.24	
	For >50 To 100, Deduct	-0.50	
	For >100 To 250, Deduct	-1.00	
	For >250 To 500, Deduct	-1.74	
	For >500, Deduct	-2.48	
06 05 23 00-0125	EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	5.65	
	For >10 To 50, Deduct	-0.27	
	For >50 To 100, Deduct	-0.54	
	For >100 To 250, Deduct	-1.08	
	For >250 To 500, Deduct	-1.88	
	For >500, Deduct	-2.69	
06 05 23 00-0126	EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	6.23	
	For >10 To 50, Deduct	-0.28	
	For >50 To 100, Deduct	-0.58	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-2.03	
	For >500, Deduct	-2.89	
06 05 23 00-0127	EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	6.46	
	For >10 To 50, Deduct	-0.28	
	For >50 To 100, Deduct	-0.59	
	For >100 To 250, Deduct	-1.17	
	For >250 To 500, Deduct	-2.04	
	For >500, Deduct	-2.91	
06 05 23 00-0128	EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	8.13	
	For >10 To 50, Deduct	-0.34	
	For >50 To 100, Deduct	-0.71	
	For >100 To 250, Deduct	-1.43	
	For >250 To 500, Deduct	-2.48	
	For >500, Deduct	-3.54	
06 05 23 00-0129	EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	8.79	
	For >10 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-0.76	
	For >100 To 250, Deduct	-1.52	
	For >250 To 500, Deduct	-2.63	
	For >500, Deduct	-3.75	
06 05 23 00-0130	EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	6.49	
	For >10 To 50, Deduct	-0.29	
	For >50 To 100, Deduct	-0.59	
	For >100 To 250, Deduct	-1.18	
	For >250 To 500, Deduct	-2.06	
	For >500, Deduct	-2.93	
06 05 23 00-0131	EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	7.07	
	For >10 To 50, Deduct	-0.31	
	For >50 To 100, Deduct	-0.63	
	For >100 To 250, Deduct	-1.27	
	For >250 To 500, Deduct	-2.21	
	For >500, Deduct	-3.15	
06 05 23 00-0132	EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	7.90	
	For >10 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-0.68	
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-3.38	
06 05 23 00-0133	EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	9.50	
	For >10 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-0.78	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-2.70	
	For >500, Deduct	-3.85	
06 05 23 00-0134	EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	10.90	
	For >10 To 50, Deduct	-0.42	
	For >50 To 100, Deduct	-0.90	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-3.12	
	For >500, Deduct	-4.44	
06 05 23 00-0135	EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	12.31	
	For >10 To 50, Deduct	-0.46	
	For >50 To 100, Deduct	-0.99	
	For >100 To 250, Deduct	-1.99	
	For >250 To 500, Deduct	-3.44	
	For >500, Deduct	-4.89	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0136	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	10.55	
		<i>For >10 To 50, Deduct</i>	-0.36	
		<i>For >50 To 100, Deduct</i>	-0.81	
		<i>For >100 To 250, Deduct</i>	-1.61	
		<i>For >250 To 500, Deduct</i>	-2.78	
		<i>For >500, Deduct</i>	-3.95	
06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	12.68	
		<i>For >10 To 50, Deduct</i>	-0.42	
		<i>For >50 To 100, Deduct</i>	-0.95	
		<i>For >100 To 250, Deduct</i>	-1.89	
		<i>For >250 To 500, Deduct</i>	-3.26	
		<i>For >500, Deduct</i>	-4.62	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.71	
		<i>For >10 To 50, Deduct</i>	-0.44	
		<i>For >50 To 100, Deduct</i>	-1.02	
		<i>For >100 To 250, Deduct</i>	-2.05	
		<i>For >250 To 500, Deduct</i>	-3.51	
		<i>For >500, Deduct</i>	-4.98	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.65	
		<i>For >10 To 50, Deduct</i>	-0.48	
		<i>For >50 To 100, Deduct</i>	-1.16	
		<i>For >100 To 250, Deduct</i>	-2.31	
		<i>For >250 To 500, Deduct</i>	-3.94	
		<i>For >500, Deduct</i>	-5.57	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.36	
		<i>For >10 To 50, Deduct</i>	-0.50	
		<i>For >50 To 100, Deduct</i>	-1.25	
		<i>For >100 To 250, Deduct</i>	-2.50	
		<i>For >250 To 500, Deduct</i>	-4.25	
		<i>For >500, Deduct</i>	-6.00	
06 05 23 00-0141		304/18-8 Stainless Steel, Hex Lag Bolts (06 05 23 00-0100)		
06 05 23 00-0142	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	5.46	
		<i>For >10 To 50, Deduct</i>	-0.24	
		<i>For >50 To 100, Deduct</i>	-0.50	
		<i>For >100 To 250, Deduct</i>	-1.00	
		<i>For >250 To 500, Deduct</i>	-1.75	
		<i>For >500, Deduct</i>	-2.49	
06 05 23 00-0143	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	5.91	
		<i>For >10 To 50, Deduct</i>	-0.24	
		<i>For >50 To 100, Deduct</i>	-0.51	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.78	
		<i>For >500, Deduct</i>	-2.54	
06 05 23 00-0144	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	7.13	
		<i>For >10 To 50, Deduct</i>	-0.24	
		<i>For >50 To 100, Deduct</i>	-0.54	
		<i>For >100 To 250, Deduct</i>	-1.09	
		<i>For >250 To 500, Deduct</i>	-1.87	
		<i>For >500, Deduct</i>	-2.66	
06 05 23 00-0145	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	6.84	
		<i>For >10 To 50, Deduct</i>	-0.27	
		<i>For >50 To 100, Deduct</i>	-0.57	
		<i>For >100 To 250, Deduct</i>	-1.14	
		<i>For >250 To 500, Deduct</i>	-1.97	
		<i>For >500, Deduct</i>	-2.80	
06 05 23 00-0146	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	7.89	
		<i>For >10 To 50, Deduct</i>	-0.28	
		<i>For >50 To 100, Deduct</i>	-0.62	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-2.15	
		<i>For >500, Deduct</i>	-3.06	
06 05 23 00-0147	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	8.66	
		<i>For >10 To 50, Deduct</i>	-0.28	
		<i>For >50 To 100, Deduct</i>	-0.64	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-2.21	
		<i>For >500, Deduct</i>	-3.13	
06 05 23 00-0148	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.64	
		<i>For >10 To 50, Deduct</i>	-0.34	
		<i>For >50 To 100, Deduct</i>	-1.03	
		<i>For >100 To 250, Deduct</i>	-2.05	
		<i>For >250 To 500, Deduct</i>	-3.42	
		<i>For >500, Deduct</i>	-4.79	
06 05 23 00-0149	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	30.50	
		<i>For >10 To 50, Deduct</i>	-0.36	
		<i>For >50 To 100, Deduct</i>	-1.30	
		<i>For >100 To 250, Deduct</i>	-2.60	
		<i>For >250 To 500, Deduct</i>	-4.26	
		<i>For >500, Deduct</i>	-5.92	
06 05 23 00-0150	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	8.73	
		<i>For >10 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.65	
		<i>For >100 To 250, Deduct</i>	-1.29	
		<i>For >250 To 500, Deduct</i>	-2.23	
		<i>For >500, Deduct</i>	-3.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0151 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	10.74	
<i>For >10 To 50, Deduct</i>	-0.31	
<i>For >50 To 100, Deduct</i>	-0.73	
<i>For >100 To 250, Deduct</i>	-1.45	
<i>For >250 To 500, Deduct</i>	-2.48	
<i>For >500, Deduct</i>	-3.51	
06 05 23 00-0152 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	13.92	
<i>For >10 To 50, Deduct</i>	-0.32	
<i>For >50 To 100, Deduct</i>	-0.83	
<i>For >100 To 250, Deduct</i>	-1.67	
<i>For >250 To 500, Deduct</i>	-2.82	
<i>For >500, Deduct</i>	-3.98	
06 05 23 00-0153 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	32.76	
<i>For >10 To 50, Deduct</i>	-0.36	
<i>For >50 To 100, Deduct</i>	-1.36	
<i>For >100 To 250, Deduct</i>	-2.72	
<i>For >250 To 500, Deduct</i>	-4.45	
<i>For >500, Deduct</i>	-6.17	
06 05 23 00-0154 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	45.52	
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-1.77	
<i>For >100 To 250, Deduct</i>	-3.53	
<i>For >250 To 500, Deduct</i>	-5.72	
<i>For >500, Deduct</i>	-7.90	
06 05 23 00-0155 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	53.59	
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-2.03	
<i>For >100 To 250, Deduct</i>	-4.05	
<i>For >250 To 500, Deduct</i>	-6.54	
<i>For >500, Deduct</i>	-9.02	
06 05 23 00-0156 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	50.49	
<i>For >10 To 50, Deduct</i>	-0.36	
<i>For >50 To 100, Deduct</i>	-1.81	
<i>For >100 To 250, Deduct</i>	-3.61	
<i>For >250 To 500, Deduct</i>	-5.78	
<i>For >500, Deduct</i>	-7.95	
06 05 23 00-0157 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	57.65	
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-2.07	
<i>For >100 To 250, Deduct</i>	-4.14	
<i>For >250 To 500, Deduct</i>	-6.63	
<i>For >500, Deduct</i>	-9.12	
06 05 23 00-0158 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	59.96	
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-2.16	
<i>For >100 To 250, Deduct</i>	-4.31	
<i>For >250 To 500, Deduct</i>	-6.91	
<i>For >500, Deduct</i>	-9.50	
06 05 23 00-0159 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	84.73	
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-2.83	
<i>For >100 To 250, Deduct</i>	-5.66	
<i>For >250 To 500, Deduct</i>	-8.97	
<i>For >500, Deduct</i>	-12.28	
06 05 23 00-0160 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	92.77	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-3.06	
<i>For >100 To 250, Deduct</i>	-6.13	
<i>For >250 To 500, Deduct</i>	-9.68	
<i>For >500, Deduct</i>	-13.24	
06 05 23 00-0161 Supports <small>(06 05 23)</small>		
06 05 23 00-0162 Shear Plates <small>(06 05 23 00-0161)</small>		
06 05 23 00-0163 EA 2-5/8" Diameter, Shear Plate.....	5.39	1.44
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.38	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.84	
06 05 23 00-0164 EA 4" Diameter, Shear Plate.....	8.35	1.52
<i>For >10 To 50, Deduct</i>	-0.17	
<i>For >50 To 100, Deduct</i>	-0.46	
<i>For >100 To 250, Deduct</i>	-0.92	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-2.19	
06 05 23 00-0165 Sill Anchors <small>(06 05 23 00-0161)</small>		
06 05 23 00-0166 EA Sill Anchor Embedded In Concrete.....	3.97	1.52
<i>For >10 To 50, Deduct</i>	-0.17	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100 To 250, Deduct</i>	-0.71	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.75	
06 05 23 00-0167 Spike Grids <small>(06 05 23 00-0161)</small>		

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 05 23 00-0168	EA	4" x 4" Flat Or Curved Spike Grid	4.01		1.44
		<i>For >10 To 50, Deduct</i>		-0.16	
		<i>For >50 To 100, Deduct</i>		-0.34	
		<i>For >100 To 250, Deduct</i>		-0.69	
		<i>For >250 To 500, Deduct</i>		-1.19	
		<i>For >500, Deduct</i>		-1.70	
06 05 23 00-0169		Split Rings <small>(06 05 23 00-0161)</small>			
06 05 23 00-0170	EA	2-1/2" Diameter Split Ring.....	4.48		1.44
		<i>For >10 To 50, Deduct</i>		-0.16	
		<i>For >50 To 100, Deduct</i>		-0.36	
		<i>For >100 To 250, Deduct</i>		-0.71	
		<i>For >250 To 500, Deduct</i>		-1.23	
		<i>For >500, Deduct</i>		-1.74	
06 05 23 00-0171	EA	4" Diameter Split Ring.....	5.62		1.59
		<i>For >10 To 50, Deduct</i>		-0.18	
		<i>For >50 To 100, Deduct</i>		-0.41	
		<i>For >100 To 250, Deduct</i>		-0.81	
		<i>For >250 To 500, Deduct</i>		-1.40	
		<i>For >500, Deduct</i>		-1.98	
06 05 23 00-0172		Toothed Rings <small>(06 05 23 00-0161)</small>			
06 05 23 00-0173	EA	2-5/8" Or 4" Toothed Ring.....	6.29		1.44
		<i>For >10 To 50, Deduct</i>		-0.16	
		<i>For >50 To 100, Deduct</i>		-0.40	
		<i>For >100 To 250, Deduct</i>		-0.80	
		<i>For >250 To 500, Deduct</i>		-1.36	
		<i>For >500, Deduct</i>		-1.93	
06 05 23 00-0174		Straps And Shields <small>(06 05 23)</small>			
06 05 23 00-0175		Shield Plate <small>(06 05 23 00-0174)</small>			
06 05 23 00-0176	EA	5" Wide x 8" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN58Z)	4.37		
		<i>For >10 To 50, Deduct</i>		-0.02	
		<i>For >50 To 100, Deduct</i>		-0.13	
		<i>For >100 To 250, Deduct</i>		-0.27	
		<i>For >250 To 500, Deduct</i>		-0.45	
		<i>For >500, Deduct</i>		-0.66	
06 05 23 00-0177	EA	5" Wide x 16" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN516Z)	6.91		
		<i>For >10 To 50, Deduct</i>		-0.03	
		<i>For >50 To 100, Deduct</i>		-0.20	
		<i>For >100 To 250, Deduct</i>		-0.40	
		<i>For >250 To 500, Deduct</i>		-0.66	
		<i>For >500, Deduct</i>		-0.96	
06 05 23 00-0178		Strap Ties <small>(06 05 23 00-0174)</small>			
06 05 23 00-0179	EA	1-1/4" Wide x 9" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA9).....	1.35		
		<i>For >10 To 50, Deduct</i>		-0.02	
		<i>For >50 To 100, Deduct</i>		-0.05	
		<i>For >100 To 250, Deduct</i>		-0.11	
		<i>For >250 To 500, Deduct</i>		-0.20	
		<i>For >500, Deduct</i>		-0.31	
06 05 23 00-0180	EA	1-1/4" Wide x 12" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA12).....	1.40		
		<i>For >10 To 50, Deduct</i>		-0.02	
		<i>For >50 To 100, Deduct</i>		-0.05	
		<i>For >100 To 250, Deduct</i>		-0.11	
		<i>For >250 To 500, Deduct</i>		-0.20	
		<i>For >500, Deduct</i>		-0.32	
06 05 23 00-0181	EA	1-1/4" Wide x 15" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA15).....	1.90		
		<i>For >10 To 50, Deduct</i>		-0.02	
		<i>For >50 To 100, Deduct</i>		-0.07	
		<i>For >100 To 250, Deduct</i>		-0.14	
		<i>For >250 To 500, Deduct</i>		-0.26	
		<i>For >500, Deduct</i>		-0.41	
06 05 23 00-0182	EA	1-1/4" Wide x 18" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA18).....	2.06		
		<i>For >10 To 50, Deduct</i>		-0.02	
		<i>For >50 To 100, Deduct</i>		-0.08	
		<i>For >100 To 250, Deduct</i>		-0.15	
		<i>For >250 To 500, Deduct</i>		-0.28	
		<i>For >500, Deduct</i>		-0.43	
06 05 23 00-0183	EA	1-1/4" Wide x 21" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA21).....	2.20		
		<i>For >10 To 50, Deduct</i>		-0.02	
		<i>For >50 To 100, Deduct</i>		-0.08	
		<i>For >100 To 250, Deduct</i>		-0.16	
		<i>For >250 To 500, Deduct</i>		-0.29	
		<i>For >500, Deduct</i>		-0.44	
06 05 23 00-0184	EA	1-1/4" Wide x 24" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA24).....	2.54		
		<i>For >10 To 50, Deduct</i>		-0.03	
		<i>For >50 To 100, Deduct</i>		-0.09	
		<i>For >100 To 250, Deduct</i>		-0.19	
		<i>For >250 To 500, Deduct</i>		-0.34	
		<i>For >500, Deduct</i>		-0.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0185 EA 1-1/4" Wide x 30" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA30).....	2.92	
<i>For >10 To 50, Deduct</i>	-0.03	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.20	
<i>For >250 To 500, Deduct</i>	-0.37	
<i>For >500, Deduct</i>	-0.56	
06 05 23 00-0186 EA 1-1/4" Wide x 36" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA36).....	3.50	
<i>For >10 To 50, Deduct</i>	-0.03	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.24	
<i>For >250 To 500, Deduct</i>	-0.43	
<i>For >500, Deduct</i>	-0.66	
06 05 23 00-0187 EA 1-1/4" Wide x 9" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA9).....	1.40	
<i>For >10 To 50, Deduct</i>	-0.02	
<i>For >50 To 100, Deduct</i>	-0.05	
<i>For >100 To 250, Deduct</i>	-0.11	
<i>For >250 To 500, Deduct</i>	-0.20	
<i>For >500, Deduct</i>	-0.32	
06 05 23 00-0188 EA 1-1/4" Wide x 12" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA12).....	1.58	
<i>For >10 To 50, Deduct</i>	-0.02	
<i>For >50 To 100, Deduct</i>	-0.06	
<i>For >100 To 250, Deduct</i>	-0.12	
<i>For >250 To 500, Deduct</i>	-0.22	
<i>For >500, Deduct</i>	-0.34	
06 05 23 00-0189 EA 1-1/4" Wide x 15" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA15).....	2.02	
<i>For >10 To 50, Deduct</i>	-0.02	
<i>For >50 To 100, Deduct</i>	-0.07	
<i>For >100 To 250, Deduct</i>	-0.15	
<i>For >250 To 500, Deduct</i>	-0.27	
<i>For >500, Deduct</i>	-0.43	
06 05 23 00-0190 EA 1-1/4" Wide x 18" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA18).....	2.23	
<i>For >10 To 50, Deduct</i>	-0.02	
<i>For >50 To 100, Deduct</i>	-0.08	
<i>For >100 To 250, Deduct</i>	-0.16	
<i>For >250 To 500, Deduct</i>	-0.29	
<i>For >500, Deduct</i>	-0.45	
06 05 23 00-0191 EA 1-1/4" Wide x 21" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA21).....	2.43	
<i>For >10 To 50, Deduct</i>	-0.02	
<i>For >50 To 100, Deduct</i>	-0.09	
<i>For >100 To 250, Deduct</i>	-0.17	
<i>For >250 To 500, Deduct</i>	-0.30	
<i>For >500, Deduct</i>	-0.47	
06 05 23 00-0192 EA 1-1/4" Wide x 24" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA24).....	2.84	
<i>For >10 To 50, Deduct</i>	-0.03	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.20	
<i>For >250 To 500, Deduct</i>	-0.36	
<i>For >500, Deduct</i>	-0.55	
06 05 23 00-0193 EA 1-1/4" Wide x 30" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA30).....	3.15	
<i>For >10 To 50, Deduct</i>	-0.03	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.38	
<i>For >500, Deduct</i>	-0.58	
06 05 23 00-0194 EA 1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA36).....	3.86	
<i>For >10 To 50, Deduct</i>	-0.03	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.26	
<i>For >250 To 500, Deduct</i>	-0.46	
<i>For >500, Deduct</i>	-0.70	
06 05 23 00-0195 EA 1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA49).....	5.21	
<i>For >10 To 50, Deduct</i>	-0.04	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.58	
<i>For >500, Deduct</i>	-0.88	
06 05 23 00-0196 EA 1-1/4" Wide x 9" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST9).....	1.65	
<i>For >10 To 50, Deduct</i>	-0.02	
<i>For >50 To 100, Deduct</i>	-0.06	
<i>For >100 To 250, Deduct</i>	-0.12	
<i>For >250 To 500, Deduct</i>	-0.22	
<i>For >500, Deduct</i>	-0.34	
06 05 23 00-0197 EA 1-1/4" Wide x 12" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST12).....	1.87	
<i>For >10 To 50, Deduct</i>	-0.02	
<i>For >50 To 100, Deduct</i>	-0.07	
<i>For >100 To 250, Deduct</i>	-0.13	
<i>For >250 To 500, Deduct</i>	-0.24	
<i>For >500, Deduct</i>	-0.37	
06 05 23 00-0198 EA 1-1/4" Wide x 18" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST18).....	2.59	
<i>For >10 To 50, Deduct</i>	-0.02	
<i>For >50 To 100, Deduct</i>	-0.09	
<i>For >100 To 250, Deduct</i>	-0.18	
<i>For >250 To 500, Deduct</i>	-0.32	
<i>For >500, Deduct</i>	-0.48	
06 05 23 00-0199 EA 1-1/4" Wide x 22" Long, 16 Gauge, Strap Tie® (Simpson Strong Tie ST22).....	3.46	
<i>For >10 To 50, Deduct</i>	-0.03	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.23	
<i>For >250 To 500, Deduct</i>	-0.41	
<i>For >500, Deduct</i>	-0.62	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0200	EA	1-3/8" Wide x 6" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS6)	2.29
		<i>For >10 To 50, Deduct</i>	-0.02
		<i>For >50 To 100, Deduct</i>	-0.08
		<i>For >100 To 250, Deduct</i>	-0.15
		<i>For >250 To 500, Deduct</i>	-0.27
		<i>For >500, Deduct</i>	-0.41
06 05 23 00-0201	EA	1-3/8" Wide x 8" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS8)	2.47
		<i>For >10 To 50, Deduct</i>	-0.02
		<i>For >50 To 100, Deduct</i>	-0.08
		<i>For >100 To 250, Deduct</i>	-0.16
		<i>For >250 To 500, Deduct</i>	-0.28
		<i>For >500, Deduct</i>	-0.43
06 05 23 00-0202	EA	1-3/8" Wide x 12" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS12)	3.43
		<i>For >10 To 50, Deduct</i>	-0.02
		<i>For >50 To 100, Deduct</i>	-0.11
		<i>For >100 To 250, Deduct</i>	-0.22
		<i>For >250 To 500, Deduct</i>	-0.38
		<i>For >500, Deduct</i>	-0.57
06 05 23 00-0203	EA	2-1/16" Wide x 27" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST27)	6.68
		<i>For >10 To 50, Deduct</i>	-0.03
		<i>For >50 To 100, Deduct</i>	-0.20
		<i>For >100 To 250, Deduct</i>	-0.39
		<i>For >250 To 500, Deduct</i>	-0.65
		<i>For >500, Deduct</i>	-0.94
06 05 23 00-0204	EA	2-1/16" Wide x 37" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST37)	9.23
		<i>For >10 To 50, Deduct</i>	-0.03
		<i>For >50 To 100, Deduct</i>	-0.26
		<i>For >100 To 250, Deduct</i>	-0.53
		<i>For >250 To 500, Deduct</i>	-0.86
		<i>For >500, Deduct</i>	-1.24
06 05 23 00-0205	EA	2-1/16" Wide x 48" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST48)	12.44
		<i>For >10 To 50, Deduct</i>	-0.04
		<i>For >50 To 100, Deduct</i>	-0.35
		<i>For >100 To 250, Deduct</i>	-0.70
		<i>For >250 To 500, Deduct</i>	-1.13
		<i>For >500, Deduct</i>	-1.60
06 05 23 00-0206	EA	2-1/16" Wide x 60" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST60)	18.52
		<i>For >10 To 50, Deduct</i>	-0.04
		<i>For >50 To 100, Deduct</i>	-0.51
		<i>For >100 To 250, Deduct</i>	-1.01
		<i>For >250 To 500, Deduct</i>	-1.61
		<i>For >500, Deduct</i>	-2.25
06 05 23 00-0207	EA	2-1/16" Wide x 72" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST72)	24.16
		<i>For >10 To 50, Deduct</i>	-0.05
		<i>For >50 To 100, Deduct</i>	-0.65
		<i>For >100 To 250, Deduct</i>	-1.31
		<i>For >250 To 500, Deduct</i>	-2.05
		<i>For >500, Deduct</i>	-2.86
06 05 23 00-0208	EA	3" Wide x 28" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC28)	7.24
		<i>For >10 To 50, Deduct</i>	-0.03
		<i>For >50 To 100, Deduct</i>	-0.21
		<i>For >100 To 250, Deduct</i>	-0.42
		<i>For >250 To 500, Deduct</i>	-0.69
		<i>For >500, Deduct</i>	-0.99
06 05 23 00-0209	EA	3" Wide x 40" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC40)	10.05
		<i>For >10 To 50, Deduct</i>	-0.03
		<i>For >50 To 100, Deduct</i>	-0.29
		<i>For >100 To 250, Deduct</i>	-0.57
		<i>For >250 To 500, Deduct</i>	-0.92
		<i>For >500, Deduct</i>	-1.32
06 05 23 00-0210	EA	3" Wide x 52" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC52)	12.67
		<i>For >10 To 50, Deduct</i>	-0.04
		<i>For >50 To 100, Deduct</i>	-0.36
		<i>For >100 To 250, Deduct</i>	-0.71
		<i>For >250 To 500, Deduct</i>	-1.14
		<i>For >500, Deduct</i>	-1.62
06 05 23 00-0211	EA	3" Wide x 66" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC66)	18.95
		<i>For >10 To 50, Deduct</i>	-0.04
		<i>For >50 To 100, Deduct</i>	-0.52
		<i>For >100 To 250, Deduct</i>	-1.04
		<i>For >250 To 500, Deduct</i>	-1.64
		<i>For >500, Deduct</i>	-2.30

06 05 23 00-0212 Twist Strap Ties (06 05 23 00-0174)

06 05 23 00-0213	EA	1-1/4" Wide x 9" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS9)	1.95
		<i>For >10 To 50, Deduct</i>	-0.02
		<i>For >50 To 100, Deduct</i>	-0.07
		<i>For >100 To 250, Deduct</i>	-0.14
		<i>For >250 To 500, Deduct</i>	-0.24
		<i>For >500, Deduct</i>	-0.37
06 05 23 00-0214	EA	1-1/4" Wide x 12" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS12)	2.36
		<i>For >10 To 50, Deduct</i>	-0.02
		<i>For >50 To 100, Deduct</i>	-0.08
		<i>For >100 To 250, Deduct</i>	-0.16
		<i>For >250 To 500, Deduct</i>	-0.27
		<i>For >500, Deduct</i>	-0.42



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0215	EA		1-1/4" Wide x 18" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS18) 3.26 For >10 To 50, Deduct -0.02 For >50 To 100, Deduct -0.11 For >100 To 250, Deduct -0.21 For >250 To 500, Deduct -0.37 For >500, Deduct -0.55		
06 05 23 00-0216	EA		1-1/4" Wide x 22" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS22) 3.86 For >10 To 50, Deduct -0.03 For >50 To 100, Deduct -0.13 For >100 To 250, Deduct -0.25 For >250 To 500, Deduct -0.44 For >500, Deduct -0.66		
06 05 23 00-0217			Retrofit Plate Strap (06 05 23 00-0174)		
06 05 23 00-0218	EA		1-3/8" Wide x 18" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS18) 2.80 For >10 To 50, Deduct -0.02 For >50 To 100, Deduct -0.09 For >100 To 250, Deduct -0.19 For >250 To 500, Deduct -0.33 For >500, Deduct -0.50		
06 05 23 00-0219	EA		1-3/8" Wide x 22" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS22) 3.19 For >10 To 50, Deduct -0.02 For >50 To 100, Deduct -0.10 For >100 To 250, Deduct -0.21 For >250 To 500, Deduct -0.36 For >500, Deduct -0.54		
06 05 23 00-0220	EA		1-3/8" Wide x 28" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS28) 3.79 For >10 To 50, Deduct -0.02 For >50 To 100, Deduct -0.12 For >100 To 250, Deduct -0.24 For >250 To 500, Deduct -0.41 For >500, Deduct -0.60		
06 05 23 00-0221			Stud Shoe (06 05 23 00-0174)		
06 05 23 00-0222	EA		6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS1.5) 5.75 For >10 To 50, Deduct -0.03 For >50 To 100, Deduct -0.17 For >100 To 250, Deduct -0.35 For >250 To 500, Deduct -0.58 For >500, Deduct -0.84		
06 05 23 00-0223	EA		6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS2.5) 9.23 For >10 To 50, Deduct -0.03 For >50 To 100, Deduct -0.26 For >100 To 250, Deduct -0.52 For >250 To 500, Deduct -0.84 For >500, Deduct -1.19		
06 05 23 00-0224	EA		6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS3) 9.69 For >10 To 50, Deduct -0.03 For >50 To 100, Deduct -0.27 For >100 To 250, Deduct -0.54 For >250 To 500, Deduct -0.87 For >500, Deduct -1.24		
06 05 23 00-0225	EA		6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie SS4.5) 13.54 For >10 To 50, Deduct -0.03 For >50 To 100, Deduct -0.37 For >100 To 250, Deduct -0.74 For >250 To 500, Deduct -1.16 For >500, Deduct -1.62		
06 05 23 00-0226			Nail Stops (06 05 23 00-0174)		
06 05 23 00-0227	EA		1-1/2" Wide x 3" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS1) 1.21 For >10 To 50, Deduct -0.02 For >50 To 100, Deduct -0.05 For >100 To 250, Deduct -0.10 For >250 To 500, Deduct -0.19 For >500, Deduct -0.30		
06 05 23 00-0228	EA		1-1/2" Wide x 6" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS2) 1.51 For >10 To 50, Deduct -0.02 For >50 To 100, Deduct -0.06 For >100 To 250, Deduct -0.11 For >250 To 500, Deduct -0.21 For >500, Deduct -0.33		
06 05 73			Wood Treatment (06 05)		
06 05 73 13			Fire-Retardant Wood Treatment (06 05 73)		
06 05 73 13-0001			Preservative Treated Lumber (06 05 73 13)		
06 05 73 13-0002			Fire Retardant Treatment (FRT) For Lumber (06 05 73 13-0001)		
06 05 73 13-0003	MBF		Fire Retardant Treatment (FRT) For Lumber 422.73		
06 05 73 33			Preservative Wood Treatment (06 05 73)		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 05 73 33-0001	Preservative Treatment For Marine And Fresh Water Uses (06 05 73 33)		
06 05 73 33-0002	MBF Preservative Treatment For Marine And Fresh Water Lumber	138.11	

06 10 Rough Carpentry (06)

06 11 Wood Framing (06 10)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products (06 11)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001	Built-Up Members (06 11 13)		
	Note: A structural framing member made from fastening separate pieces of lumber together.		
06 11 13 00-0002	Built-Up Beams Or Joists (06 11 13 00-0001)		
06 11 13 00-0003	LF Two 2" x 6" Built-up Wood Beam Or Joist.....	2.73	0.67
	For Each Additional 2" x_" In The Built Up Member, Add	0.85	
06 11 13 00-0004	LF Two 2" x 8" Built-up Wood Beam Or Joist.....	3.59	0.79
	For Each Additional 2" x_" In The Built Up Member, Add	1.20	
06 11 13 00-0005	LF Two 2" x 10" Built-up Wood Beam Or Joist.....	4.77	0.95
	For Each Additional 2" x_" In The Built Up Member, Add	1.68	
06 11 13 00-0006	Built-Up Posts (06 11 13 00-0001)		
06 11 13 00-0007	LF Two 2" x 6" Built-up Wood Post.....	2.73	0.67
	For Each Additional 2" x_" In The Built Up Member, Add	0.85	
06 11 13 00-0008	LF Two 2" x 8" Built-up Wood Post.....	3.59	0.79
	For Each Additional 2" x_" In The Built Up Member, Add	1.20	
06 11 13 00-0009	LF Two 2" x 10" Built-up Wood Post.....	4.77	0.95
	For Each Additional 2" x_" In The Built Up Member, Add	1.68	

06 11 16 Mechanically Graded Lumber (06 11)

06 11 16 00-0001	Rafters And Joists (06 11 16)		
06 11 16 00-0002	Rafters (06 11 16 00-0001)		
	Note: An inclined roof framing member to which a roof covering is attached.		
06 11 16 00-0003	LF 2" x 6" Wood Rafter	1.48	0.47
06 11 16 00-0004	LF 2" x 8" Wood Rafter	1.87	0.52
06 11 16 00-0005	LF 2" x 10" Wood Rafter	2.66	0.75
06 11 16 00-0006	LF 2" x 12" Wood Rafter	3.12	0.82
06 11 16 00-0007	LF 2" x 14" Wood Rafter	3.44	0.91
06 11 16 00-0008	LF 2" x 6" Pressure Treated Wood Rafter.....	1.56	0.47
06 11 16 00-0009	LF 2" x 8" Pressure Treated Wood Rafter.....	1.98	0.52
06 11 16 00-0010	LF 2" x 10" Pressure Treated Wood Rafter.....	2.61	0.75
06 11 16 00-0011	LF 2" x 12" Pressure Treated Wood Rafter.....	3.21	0.82
06 11 16 00-0012	Joists (06 11 16 00-0001)		
	Note: A series of parallel beams to support floors or ceilings.		
06 11 16 00-0013	LF 2" x 6" Wood Floor Joist.....	1.37	0.39
06 11 16 00-0014	LF 2" x 8" Wood Floor Joist.....	1.79	0.43
06 11 16 00-0015	LF 2" x 10" Wood Floor Joist.....	2.38	0.56
06 11 16 00-0016	LF 2" x 12" Wood Floor Joist.....	2.84	0.63
06 11 16 00-0017	LF 2" x 14" Wood Floor Joist.....	3.16	0.67
06 11 16 00-0018	LF 2" x 6" Pressure Treated Wood Floor Joist.....	1.45	0.39
06 11 16 00-0019	LF 2" x 8" Pressure Treated Wood Floor Joist.....	1.90	0.43
06 11 16 00-0020	LF 2" x 10" Pressure Treated Wood Floor Joist.....	2.33	0.56
06 11 16 00-0021	LF 2" x 12" Pressure Treated Wood Floor Joist.....	2.93	0.63
06 11 16 00-0022	Purlins (06 11 16 00-0001)		
	Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.		
06 11 16 00-0023	LF 2" x 4" Wood Purlin.....	0.98	0.24
06 11 16 00-0024	LF 2" x 6" Wood Purlin.....	1.38	0.26
06 11 16 00-0025	LF 2" x 8" Wood Purlin.....	1.78	0.29
06 11 16 00-0026	LF 2" x 10" Wood Purlin.....	2.30	0.32
06 11 16 00-0027	LF 2" x 4" Pressure Treated Wood Purlin	1.03	0.24
06 11 16 00-0028	LF 2" x 6" Pressure Treated Wood Purlin	1.46	0.26
06 11 16 00-0029	LF 2" x 8" Pressure Treated Wood Purlin	1.89	0.29
06 11 16 00-0030	LF 2" x 10" Pressure Treated Wood Purlin	2.25	0.32

06 11 16 00-0031	Exposed Rafters Or Joists (06 11 16 00-0001)		
06 11 16 00-0032	Redwood Rafters Or Joists (06 11 16 00-0031)		
06 11 16 00-0033	LF 2" x 6" Redwood Rafter Or Joist	2.62	0.39
06 11 16 00-0034	LF 2" x 8" Redwood Rafter Or Joist	3.24	0.43
06 11 16 00-0035	LF 2" x 10" Redwood Rafter Or Joist	4.10	0.56
06 11 16 00-0036	LF 2" x 12" Redwood Rafter Or Joist	5.02	0.63
06 11 16 00-0037	Cedar Rafters Or Joists (06 11 16 00-0031)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0038 LF 2" x 6" Cedar Rafter Or Joist.....	1.38	0.39
06 11 16 00-0039 LF 2" x 8" Cedar Rafter Or Joist.....	1.50	0.43
06 11 16 00-0040 LF 2" x 10" Cedar Rafter Or Joist.....	1.68	0.56
06 11 16 00-0041 LF 2" x 12" Cedar Rafter Or Joist.....	1.84	0.63
06 11 16 00-0042 Oak Rafters Or Joists (06 11 16 00-0031)		
06 11 16 00-0043 LF 2" x 6" Oak Rafter Or Joist.....	1.89	0.39
06 11 16 00-0044 LF 2" x 8" Oak Rafter Or Joist.....	2.79	0.43
06 11 16 00-0045 LF 2" x 10" Oak Rafter Or Joist.....	3.74	0.56
06 11 16 00-0046 LF 2" x 12" Oak Rafter Or Joist.....	4.68	0.63
06 11 16 00-0047 Framing (06 11 16)		
06 11 16 00-0048 Partition Framing (06 11 16 00-0047)		
06 11 16 00-0049 LF 2" x 4" Wood Stud Framing, For Partition Walls	0.96	0.32
06 11 16 00-0050 LF 2" x 6" Wood Stud Framing, For Partition Walls	1.32	0.34
06 11 16 00-0051 LF 2" x 8" Wood Stud Framing, For Partition Walls	1.69	0.35
06 11 16 00-0052 LF 2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	1.01	0.32
06 11 16 00-0053 LF 2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	1.40	0.34
06 11 16 00-0054 LF 2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	1.80	0.35
06 11 16 00-0055 Wall Framing Assemblies By The SF (06 11 16 00-0047)		
Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056 Wall Framing By The SF, 12" On Center (06 11 16 00-0055)		
06 11 16 00-0057 SF 2" x 4" Wood Wall Framing At 12" On Center.....	1.30	0.38
For Up To 200, Add	0.37	
For >200 To 500, Add	0.19	
06 11 16 00-0058 SF 2" x 6" Wood Wall Framing At 12" On Center.....	1.81	0.49
For Up To 200, Add	0.51	
For >200 To 500, Add	0.25	
06 11 16 00-0059 SF 2" x 8" Wood Wall Framing At 12" On Center.....	2.43	0.65
For Up To 200, Add	0.68	
For >200 To 500, Add	0.34	
06 11 16 00-0060 Wall Framing By The SF, 16" On Center (06 11 16 00-0055)		
06 11 16 00-0061 SF 2" x 4" Wood Wall Framing At 16" On Center.....	1.06	0.31
For Up To 200, Add	0.30	
For >200 To 500, Add	0.15	
06 11 16 00-0062 SF 2" x 6" Wood Wall Framing At 16" On Center.....	1.51	0.41
For Up To 200, Add	0.42	
For >200 To 500, Add	0.21	
06 11 16 00-0063 SF 2" x 8" Wood Wall Framing At 16" On Center.....	2.01	0.55
For Up To 200, Add	0.56	
For >200 To 500, Add	0.28	
06 11 16 00-0064 Wall Framing By The SF, 24" On Center (06 11 16 00-0055)		
06 11 16 00-0065 SF 2" x 4" Wood Wall Framing At 24" On Center.....	0.84	0.24
For Up To 200, Add	0.24	
For >200 To 500, Add	0.12	
06 11 16 00-0066 SF 2" x 6" Wood Wall Framing At 24" On Center.....	1.18	0.32
For Up To 200, Add	0.33	
For >200 To 500, Add	0.16	
06 11 16 00-0067 SF 2" x 8" Wood Wall Framing At 24" On Center.....	1.59	0.42
For Up To 200, Add	0.44	
For >200 To 500, Add	0.22	
06 11 16 00-0068 Sills And Plates (06 11 16)		
06 11 16 00-0069 Sills (06 11 16 00-0068)		
Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070 LF 2" x 4" Wood Sill	1.40	0.59
06 11 16 00-0071 LF 2" x 6" Wood Sill	1.84	0.67
06 11 16 00-0072 LF 2" x 8" Wood Sill	2.31	0.75
06 11 16 00-0073 LF 2" x 4" Pressure Treated Wood Sill.....	1.45	0.59
06 11 16 00-0074 LF 2" x 6" Pressure Treated Wood Sill.....	1.92	0.67
06 11 16 00-0075 LF 2" x 8" Pressure Treated Wood Sill.....	2.42	0.75
06 11 16 00-0076 Plates (06 11 16 00-0068)		
Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077 LF 2" x 4" Wood Plate.....	1.40	0.59
06 11 16 00-0078 LF 2" x 6" Wood Plate.....	1.84	0.67
06 11 16 00-0079 LF 2" x 8" Wood Plate.....	2.30	0.75
06 11 16 00-0080 LF 2" x 4" Pressure Treated Wood Plate	1.45	0.59
06 11 16 00-0081 LF 2" x 6" Pressure Treated Wood Plate	1.92	0.67
06 11 16 00-0082 LF 2" x 8" Pressure Treated Wood Plate	2.41	0.75

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0083			Suspended Ceiling Framing (06 11 16)		
06 11 16 00-0084	LF		1" x 2" Wood Suspended Ceiling Framing	1.02	0.52
06 11 16 00-0085	LF		1" x 3" Wood Suspended Ceiling Framing	1.17	0.56
06 11 16 00-0086	LF		2" x 2" Wood Suspended Ceiling Framing	1.33	0.59
06 11 16 00-0087	LF		2" x 4" Wood Suspended Ceiling Framing	1.59	0.67
06 11 16 00-0088	LF		1" x 2" Pressure Treated Wood Suspended Ceiling Framing	1.12	0.52
06 11 16 00-0089	LF		1" x 3" Pressure Treated Wood Suspended Ceiling Framing	1.15	0.56
06 11 16 00-0090	LF		2" x 2" Pressure Treated Wood Suspended Ceiling Framing	1.37	0.59
06 11 16 00-0091	LF		2" x 4" Pressure Treated Wood Suspended Ceiling Framing	1.59	0.67
06 11 16 00-0092			Posts And Girts (06 11 16)		
06 11 16 00-0093			Posts (06 11 16 00-0092)		
			Note: A vertical, upright framing member.		
06 11 16 00-0094	LF		4" x 4" Wood Post	2.15	0.75
06 11 16 00-0095	LF		4" x 5" Wood Post	2.49	0.87
06 11 16 00-0096	LF		4" x 6" Wood Post	2.72	0.95
06 11 16 00-0097	LF		6" x 6" Wood Post	3.05	1.03
06 11 16 00-0098	LF		8" x 8" Wood Post	3.38	1.06
06 11 16 00-0099	LF		10" x 10" Wood Post	3.71	1.23
06 11 16 00-0100	LF		4" x 4" Pressure Treated Wood Post	2.56	0.75
06 11 16 00-0101	LF		4" x 6" Pressure Treated Wood Post	3.36	0.95
06 11 16 00-0102	LF		6" x 6" Pressure Treated Wood Post	4.48	1.03
06 11 16 00-0103			Girts (06 11 16 00-0092)		
			Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0104	LF		2" x 4" Wood Girt	1.08	0.29
06 11 16 00-0105	LF		2" x 6" Wood Girt	1.48	0.31
06 11 16 00-0106	LF		2" x 8" Wood Girt	1.89	0.34
06 11 16 00-0107	LF		2" x 10" Wood Girt	2.43	0.38
06 11 16 00-0108	LF		4" x 4" Wood Girt	2.03	0.57
06 11 16 00-0109	LF		4" x 5" Wood Girt	2.37	0.64
06 11 16 00-0110	LF		4" x 6" Wood Girt	2.70	0.71
06 11 16 00-0111	LF		6" x 6" Wood Girt	3.04	0.78
06 11 16 00-0112	LF		8" x 8" Wood Girt	3.36	0.86
06 11 16 00-0113	LF		10" x 10" Wood Girt	3.70	0.93
06 11 16 00-0114	LF		2" x 4" Pressure Treated Wood Girt	1.13	0.29
06 11 16 00-0115	LF		2" x 6" Pressure Treated Wood Girt	1.56	0.31
06 11 16 00-0116	LF		2" x 8" Pressure Treated Wood Girt	2.00	0.34
06 11 16 00-0117	LF		2" x 10" Pressure Treated Wood Girt	2.38	0.38
06 11 16 00-0118	LF		4" x 4" Pressure Treated Wood Girt	2.56	0.57
06 11 16 00-0119	LF		4" x 6" Pressure Treated Wood Girt	3.36	0.71
06 11 16 00-0120	LF		6" x 6" Pressure Treated Wood Girt	4.48	0.78
06 11 16 00-0121			Stair Stringers (06 11 16)		
			See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0122	LF		2" x 10" Wood Stair Stringer	4.01	1.58
06 11 16 00-0123	LF		2" x 12" Wood Stair Stringer	4.81	1.86
06 11 16 00-0124	LF		2" x 10" Pressure Treated Wood Stair Stringer	3.99	1.58
06 11 16 00-0125	LF		2" x 12" Pressure Treated Wood Stair Stringer	4.87	1.86
06 11 16 00-0126			Blocking (06 11 16)		
06 11 16 00-0127			Blocking (06 11 16 00-0126)		
06 11 16 00-0128			Blocking To Wood (06 11 16 00-0127)		
06 11 16 00-0129	LF		2" x 4" Pressure Treated Wood Blocking To Wood	2.70	0.95
06 11 16 00-0130	LF		2" x 6" Pressure Treated Wood Blocking To Wood	3.43	1.04
06 11 16 00-0131	LF		2" x 8" Pressure Treated Wood Blocking To Wood	4.03	1.14
06 11 16 00-0132	LF		4" x 4" Pressure Treated Wood Blocking To Wood	4.85	1.26
06 11 16 00-0133	LF		4" x 6" Pressure Treated Wood Blocking To Wood	5.16	1.39
06 11 16 00-0134	LF		2" x 4" Wood Blocking To Wood	2.40	0.95
06 11 16 00-0135	LF		2" x 6" Wood Blocking To Wood	2.94	1.04
06 11 16 00-0136	LF		2" x 8" Wood Blocking To Wood	3.50	1.14
06 11 16 00-0137	LF		4" x 4" Wood Blocking To Wood	3.54	1.26
06 11 16 00-0138	LF		4" x 6" Wood Blocking To Wood	4.08	1.39
06 11 16 00-0139			Blocking To Steel (06 11 16 00-0127)		
06 11 16 00-0140	LF		2" x 4" Pressure Treated Wood Blocking To Steel	3.07	1.09
06 11 16 00-0141	LF		2" x 6" Pressure Treated Wood Blocking To Steel	3.88	1.20
06 11 16 00-0142	LF		2" x 8" Pressure Treated Wood Blocking To Steel	4.55	1.32
06 11 16 00-0143	LF		2" x 4" Wood Blocking To Steel	2.74	1.09
06 11 16 00-0144	LF		2" x 6" Wood Blocking To Steel	3.33	1.20
06 11 16 00-0145	LF		2" x 8" Wood Blocking To Steel	3.96	1.32
06 11 16 00-0146			Blocking To Concrete (06 11 16 00-0127)		
06 11 16 00-0147	LF		2" x 4" Pressure Treated Wood Blocking To Concrete	3.07	1.09



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0148	LF		2" x 6" Pressure Treated Wood Blocking To Concrete	3.88	1.20
06 11 16 00-0149	LF		2" x 8" Pressure Treated Wood Blocking To Concrete	4.55	1.32
06 11 16 00-0150	LF		2" x 4" Wood Blocking To Concrete	2.74	1.09
06 11 16 00-0151	LF		2" x 6" Wood Blocking To Concrete	3.33	1.20
06 11 16 00-0152	LF		2" x 8" Wood Blocking To Concrete	3.96	1.32
06 11 16 00-0153			Pressure Treated Lattice (06 11 16 00-0126)		
06 11 16 00-0154	SF		3/4" Thick Pressure Treated Wood Lattice	4.72	0.82
06 11 16 00-0155			Roofing Nailers (06 11 16)		
06 11 16 00-0156	LF		2" x 4" Pressure Treated Lumber, For Roofing Nailers.....	1.47	0.32
06 11 16 00-0157	LF		2" x 6" Pressure Treated Lumber, For Roofing Nailers.....	1.88	0.34
06 11 16 00-0158	LF		2" x 8" Pressure Treated Lumber, For Roofing Nailers.....	2.30	0.35
06 11 16 00-0159			Roofing Sleepers (06 11 16)		
06 11 16 00-0160	LF		2" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	0.86	
06 11 16 00-0161	LF		4" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	2.01	
06 11 16 00-0162	LF		4" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	2.65	
06 11 16 00-0163	LF		6" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	3.70	
06 11 16 00-0164			Canopy Framing, Bridging, And Furring (06 11 16)		
06 11 16 00-0165			Wood And Steel Bridging (06 11 16 00-0164)		
06 11 16 00-0166			Wood Bridging (06 11 16 00-0165)		
06 11 16 00-0167	EA		1 Pair Wood Bridging, 1" x 3" Cross Type	3.48	1.38
			Note: For joists spaced at 16" on center.		
06 11 16 00-0168	EA		1 Pair Wood Bridging, 2" x 3" Cross Type	3.76	1.38
			Note: For joists spaced at 16" on center.		
06 11 16 00-0169			Steel Bridging (06 11 16 00-0165)		
06 11 16 00-0170	EA		1 Pair Steel Bridging, Wood Joists At 16" On Center.....	4.43	1.38
06 11 16 00-0171	EA		1 Pair Steel Bridging, Wood Joists At 24" On Center.....	4.41	1.38
06 11 16 00-0172			Light Framing, Trim And Furring (06 11 16 00-0164)		
06 11 16 00-0173			Pine/Spruce/Fir Light Framing, Trim And Furring (06 11 16 00-0172)		
06 11 16 00-0174	LF		1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	0.81	0.32
06 11 16 00-0175	LF		1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	0.94	0.35
06 11 16 00-0176	LF		1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	1.15	0.39
06 11 16 00-0177	LF		1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	1.31	0.43
06 11 16 00-0178	LF		1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	1.47	0.47
06 11 16 00-0179	LF		1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	1.63	0.53
06 11 16 00-0180	LF		2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	1.33	0.43
06 11 16 00-0181	LF		2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	1.51	0.47
06 11 16 00-0182	LF		2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	1.89	0.53
06 11 16 00-0183	LF		2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	2.34	0.58
06 11 16 00-0184	LF		2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	2.93	0.63
06 11 16 00-0185			Cedar Light Framing, Trim And Furring (06 11 16 00-0172)		
06 11 16 00-0186	LF		1" x 1" Cedar Light Framing, Trim And Furring	0.84	0.32
06 11 16 00-0187	LF		1" x 2" Cedar Light Framing, Trim And Furring	1.08	0.35
06 11 16 00-0188	LF		1" x 4" Cedar Light Framing, Trim And Furring	1.70	0.39
06 11 16 00-0189	LF		1" x 6" Cedar Light Framing, Trim And Furring	2.24	0.43
06 11 16 00-0190	LF		1" x 8" Cedar Light Framing, Trim And Furring	3.91	0.47
06 11 16 00-0191	LF		1" x 10" Cedar Light Framing, Trim And Furring	4.73	0.53
06 11 16 00-0192	LF		2" x 2" Cedar Light Framing, Trim And Furring	1.68	0.43
06 11 16 00-0193	LF		2" x 4" Cedar Light Framing, Trim And Furring	2.03	0.47
06 11 16 00-0194			Oak Light Framing, Trim And Furring (06 11 16 00-0172)		
06 11 16 00-0195	LF		1" x 1" Oak Light Framing, Trim And Furring	0.84	0.32
06 11 16 00-0196	LF		1" x 2" Oak Light Framing, Trim And Furring	1.10	0.35
06 11 16 00-0197	LF		1" x 4" Oak Light Framing, Trim And Furring	1.56	0.39
06 11 16 00-0198	LF		1" x 6" Oak Light Framing, Trim And Furring	2.04	0.43
06 11 16 00-0199	LF		1" x 8" Oak Light Framing, Trim And Furring	2.51	0.47
06 11 16 00-0200	LF		1" x 10" Oak Light Framing, Trim And Furring	2.99	0.53
06 11 16 00-0201	LF		2" x 2" Oak Light Framing, Trim And Furring	1.65	0.43
06 11 16 00-0202	LF		2" x 4" Oak Light Framing, Trim And Furring	2.51	0.47
06 11 16 00-0203			Redwood Light Framing, Trim And Furring (06 11 16 00-0172)		
06 11 16 00-0204	LF		1" x 1" Redwood Light Framing, Trim And Furring.....	0.79	0.32
06 11 16 00-0205	LF		1" x 2" Redwood Light Framing, Trim And Furring.....	0.99	0.35
06 11 16 00-0206	LF		1" x 4" Redwood Light Framing, Trim And Furring.....	1.37	0.39
06 11 16 00-0207	LF		1" x 6" Redwood Light Framing, Trim And Furring.....	1.81	0.43
06 11 16 00-0208	LF		1" x 8" Redwood Light Framing, Trim And Furring.....	2.26	0.47

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**
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06 11 16 00-0209	LF	1" x 10" Redwood Light Framing, Trim And Furring.....	2.77	0.53
06 11 16 00-0210	LF	2" x 2" Redwood Light Framing, Trim And Furring.....	1.82	0.43
06 11 16 00-0211	LF	2" x 4" Redwood Light Framing, Trim And Furring.....	2.29	0.47

06 11 16 00-0212 Poplar Light Framing, Trim And Furring (06 11 16 00-0172)

06 11 16 00-0213	LF	1" x 1" Poplar Light Framing, Trim And Furring.....	1.12	0.32
06 11 16 00-0214	LF	1" x 2" Poplar Light Framing, Trim And Furring.....	1.51	0.35
06 11 16 00-0215	LF	1" x 4" Poplar Light Framing, Trim And Furring.....	2.10	0.39
06 11 16 00-0216	LF	1" x 6" Poplar Light Framing, Trim And Furring.....	2.93	0.43
06 11 16 00-0217	LF	1" x 8" Poplar Light Framing, Trim And Furring.....	3.50	0.47
06 11 16 00-0218	LF	1" x 10" Poplar Light Framing, Trim And Furring.....	4.98	0.53
06 11 16 00-0219	LF	1" x 12" Poplar Light Framing, Trim And Furring.....	5.53	0.53
06 11 16 00-0220	LF	2" x 2" Poplar Light Framing, Trim And Furring.....	4.33	0.43
06 11 16 00-0221	LF	2" x 4" Poplar Light Framing, Trim And Furring.....	4.88	0.47
06 11 16 00-0222	LF	2" x 6" Poplar Light Framing, Trim And Furring.....	6.93	0.53

06 11 16 00-0223 Maple Light Framing, Trim And Furring (06 11 16 00-0172)

06 11 16 00-0224	LF	1" x 4" Maple Light Framing, Trim And Furring.....	3.52	0.39
06 11 16 00-0225	LF	1" x 6" Maple Light Framing, Trim And Furring.....	5.14	0.43
06 11 16 00-0226	LF	1" x 8" Maple Light Framing, Trim And Furring.....	6.77	0.47

06 11 16 00-0227 Platform Edging (06 11 16)

Note: Includes bolting to concrete surface.

06 11 16 00-0228	LF	1" Wood Platform Edging, Including Bolts.....	8.61	2.46
06 11 16 00-0229	LF	2" Wood Platform Edging, Including Bolts.....	13.11	2.86

06 13 Heavy Timber Construction (06 10)**06 13 23 Heavy Timber Framing** (06 13)**06 13 23 00-0001 Heavy Timber Framing** (06 13 23)

Note: Excludes fasteners.

06 13 23 00-0002 Heavy Timber Beams (06 13 23 00-0001)**06 13 23 00-0003 Pine, Heavy Timber Beams** (06 13 23 00-0002)

06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam.....	2.70	0.70
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam.....	3.40	0.73
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam.....	4.12	0.76
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam.....	5.55	0.81
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam.....	6.72	0.86
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam.....	4.48	0.79
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam.....	5.53	0.82
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam.....	7.67	0.89
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam.....	9.30	0.91
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam.....	6.90	0.86
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam.....	9.63	0.89
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam.....	11.85	0.91
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam.....	11.69	0.91
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam.....	14.47	0.99
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam.....	17.17	1.08

06 13 23 00-0019 Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam.....	2.83	0.70
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam.....	3.60	0.73
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam.....	4.38	0.76
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam.....	5.95	0.81
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam.....	7.21	0.86
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam.....	4.77	0.79
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam.....	5.91	0.82
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam.....	8.25	0.89
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam.....	10.06	0.91
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam.....	7.42	0.86
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam.....	10.42	0.89
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam.....	12.85	0.91
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam.....	12.67	0.91
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam.....	15.71	0.99
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam.....	18.66	1.08

06 13 23 00-0035 Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam.....	2.64	0.70
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam.....	3.43	0.73
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam.....	4.12	0.76
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam.....	5.55	0.81
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam.....	6.71	0.86
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam.....	4.48	0.79
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam.....	4.73	0.82
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam.....	7.33	0.89
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam.....	9.11	0.91



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0045	LF		8" x 8", Pressure Treated, Heavy Timber Beam	9.25	0.86
06 13 23 00-0046	LF		8" x 10", Pressure Treated, Heavy Timber Beam	10.80	0.89
06 13 23 00-0047	LF		8" x 12", Pressure Treated, Heavy Timber Beam	12.81	0.91
06 13 23 00-0048	LF		10" x 10", Pressure Treated, Heavy Timber Beam	12.87	0.91
06 13 23 00-0049	LF		10" x 12", Pressure Treated, Heavy Timber Beam	17.18	0.99
06 13 23 00-0050	LF		12" x 12", Pressure Treated, Heavy Timber Beam	20.43	1.08
06 13 23 00-0051			Heavy Timber Columns (06 13 23 00-0001)		
06 13 23 00-0052			Pine, Heavy Timber Columns (06 13 23 00-0051)		
06 13 23 00-0053	LF		4" x 4", Pine, Heavy Timber Column.....	2.04	0.37
06 13 23 00-0054	LF		4" x 6", Pine, Heavy Timber Column.....	2.72	0.39
06 13 23 00-0055	LF		4" x 8", Pine, Heavy Timber Column.....	3.39	0.40
06 13 23 00-0056	LF		4" x 10", Pine, Heavy Timber Column.....	4.79	0.42
06 13 23 00-0057	LF		4" x 12", Pine, Heavy Timber Column.....	5.91	0.45
06 13 23 00-0058	LF		6" x 6", Pine, Heavy Timber Column.....	3.73	0.41
06 13 23 00-0059	LF		6" x 8", Pine, Heavy Timber Column.....	4.76	0.43
06 13 23 00-0060	LF		6" x 10", Pine, Heavy Timber Column.....	6.84	0.46
06 13 23 00-0061	LF		6" x 12", Pine, Heavy Timber Column.....	8.45	0.47
06 13 23 00-0062	LF		8" x 8", Pine, Heavy Timber Column.....	6.09	0.45
06 13 23 00-0063	LF		8" x 10", Pine, Heavy Timber Column.....	8.80	0.46
06 13 23 00-0064	LF		8" x 12", Pine, Heavy Timber Column.....	10.97	0.48
06 13 23 00-0065	LF		10" x 10", Pine, Heavy Timber Column.....	10.81	0.48
06 13 23 00-0066	LF		10" x 12", Pine, Heavy Timber Column.....	13.53	0.52
06 13 23 00-0067	LF		12" x 12", Pine, Heavy Timber Column.....	16.13	0.57
06 13 23 00-0068			Douglas Fir, Heavy Timber Columns (06 13 23 00-0051)		
06 13 23 00-0069	LF		4" x 4", Douglas Fir, Heavy Timber Column.....	2.17	0.37
06 13 23 00-0070	LF		4" x 6", Douglas Fir, Heavy Timber Column.....	2.92	0.39
06 13 23 00-0071	LF		4" x 8", Douglas Fir, Heavy Timber Column.....	3.65	0.40
06 13 23 00-0072	LF		4" x 10", Douglas Fir, Heavy Timber Column.....	5.19	0.42
06 13 23 00-0073	LF		4" x 12", Douglas Fir, Heavy Timber Column.....	6.40	0.45
06 13 23 00-0074	LF		6" x 6", Douglas Fir, Heavy Timber Column.....	4.02	0.41
06 13 23 00-0075	LF		6" x 8", Douglas Fir, Heavy Timber Column.....	5.14	0.43
06 13 23 00-0076	LF		6" x 10", Douglas Fir, Heavy Timber Column.....	7.42	0.46
06 13 23 00-0077	LF		6" x 12", Douglas Fir, Heavy Timber Column.....	9.21	0.47
06 13 23 00-0078	LF		8" x 8", Douglas Fir, Heavy Timber Column.....	6.61	0.45
06 13 23 00-0079	LF		8" x 10", Douglas Fir, Heavy Timber Column.....	9.59	0.46
06 13 23 00-0080	LF		8" x 12", Douglas Fir, Heavy Timber Column.....	11.97	0.48
06 13 23 00-0081	LF		10" x 10", Douglas Fir, Heavy Timber Column.....	11.79	0.48
06 13 23 00-0082	LF		10" x 12", Douglas Fir, Heavy Timber Column.....	14.77	0.52
06 13 23 00-0083	LF		12" x 12", Douglas Fir, Heavy Timber Column.....	17.62	0.57
06 13 23 00-0084			Pressure Treated, Heavy Timber Columns (06 13 23 00-0051)		
06 13 23 00-0085	LF		4" x 4", Pressure Treated, Heavy Timber Column	1.98	0.37
06 13 23 00-0086	LF		4" x 6", Pressure Treated, Heavy Timber Column	2.75	0.39
06 13 23 00-0087	LF		4" x 8", Pressure Treated, Heavy Timber Column	3.39	0.40
06 13 23 00-0088	LF		4" x 10", Pressure Treated, Heavy Timber Column	4.79	0.42
06 13 23 00-0089	LF		4" x 12", Pressure Treated, Heavy Timber Column	5.90	0.45
06 13 23 00-0090	LF		6" x 6", Pressure Treated, Heavy Timber Column	3.73	0.41
06 13 23 00-0091	LF		6" x 8", Pressure Treated, Heavy Timber Column	3.96	0.43
06 13 23 00-0092	LF		6" x 10", Pressure Treated, Heavy Timber Column	6.50	0.46
06 13 23 00-0093	LF		6" x 12", Pressure Treated, Heavy Timber Column	8.26	0.47
06 13 23 00-0094	LF		8" x 8", Pressure Treated, Heavy Timber Column	8.44	0.45
06 13 23 00-0095	LF		8" x 10", Pressure Treated, Heavy Timber Column	9.97	0.46
06 13 23 00-0096	LF		8" x 12", Pressure Treated, Heavy Timber Column	11.93	0.48
06 13 23 00-0097	LF		10" x 10", Pressure Treated, Heavy Timber Column	11.99	0.48
06 13 23 00-0098	LF		10" x 12", Pressure Treated, Heavy Timber Column	16.24	0.52
06 13 23 00-0099	LF		12" x 12", Pressure Treated, Heavy Timber Column	19.39	0.57
06 15			Wood Decking (06 10)		
06 15 13			Wood Floor Decking (06 15)		
06 15 13 00-0001			Wood Deck Systems (06 15 13) Note: Includes the deck, joists, girders, posts (8' O.C.), pickets and railing.		
06 15 13 00-0002			Pressure Treated Wood Deck System (06 15 13 00-0001)		
06 15 13 00-0003			2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)		
06 15 13 00-0004	SF		5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	17.77	2.44
06 15 13 00-0005	SF		5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	17.57	2.32
06 15 13 00-0006	SF		2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	18.67	2.51
06 15 13 00-0007	SF		2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	18.52	2.39
06 15 13 00-0008			2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)		
06 15 13 00-0009	SF		5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	18.54	2.51
06 15 13 00-0010	SF		5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	18.34	2.38
06 15 13 00-0011	SF		2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	19.47	2.57

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0012 SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	19.31	2.44
06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System <small>(06 15 13 00-0002)</small>		
06 15 13 00-0014 SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	17.77	2.44
06 15 13 00-0015 SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	17.57	2.32
06 15 13 00-0016 SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	18.67	2.51
06 15 13 00-0017 SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	18.52	2.39
06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0001)</small>		
06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>		
06 15 13 00-0020 SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	20.37	2.44
06 15 13 00-0021 SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	20.30	2.43
06 15 13 00-0022 SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	21.94	2.51
06 15 13 00-0023 SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	21.60	2.39
06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>		
06 15 13 00-0025 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	22.63	2.51
06 15 13 00-0026 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	22.55	2.38
06 15 13 00-0027 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	24.36	2.57
06 15 13 00-0028 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	24.04	2.44
06 15 13 00-0029 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>		
06 15 13 00-0030 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	21.42	2.44
06 15 13 00-0031 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	21.35	2.32
06 15 13 00-0032 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	23.04	2.51
06 15 13 00-0033 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	23.54	2.39
06 15 13 00-0034 Cypress With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0001)</small>		
06 15 13 00-0035 2" x 8" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0036 SF 5/4" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	19.19	2.44
06 15 13 00-0037 SF 5/4" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	19.07	2.32
06 15 13 00-0038 SF 2" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	20.61	2.51
06 15 13 00-0039 SF 2" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	20.24	2.39
06 15 13 00-0040 2" x 10" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0041 SF 5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	21.22	2.51
06 15 13 00-0042 SF 5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	21.08	2.38
06 15 13 00-0043 SF 2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	22.78	2.57
06 15 13 00-0044 SF 2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	22.90	2.44
06 15 13 00-0045 2" x 10" Joists At 24" On Center, Cypress With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0046 SF 5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	20.92	2.44
06 15 13 00-0047 SF 5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	19.99	2.32
06 15 13 00-0048 SF 2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	21.60	2.51
06 15 13 00-0049 SF 2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	21.69	2.39
06 15 13 00-0050 Cedar With Pressure Treated Joists Wood Deck System <small>(06 15 13 00-0001)</small>		
06 15 13 00-0051 2" x 8" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0050)</small>		
06 15 13 00-0052 SF 5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	18.71	2.44
06 15 13 00-0053 SF 5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	18.55	2.32
06 15 13 00-0054 SF 2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	19.69	2.51
06 15 13 00-0055 SF 2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	19.59	2.39
06 15 13 00-0056 2" x 10" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0050)</small>		
06 15 13 00-0057 SF 5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	19.56	2.51
06 15 13 00-0058 SF 5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	19.81	2.38
06 15 13 00-0059 SF 2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	20.56	2.57
06 15 13 00-0060 SF 2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	20.51	2.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0061 2" x 10" Joists At 24" On Center, Cedar With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0050)</small>		
06 15 13 00-0062 SF 5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	19.30	2.44
06 15 13 00-0063 SF 5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	19.14	2.32
06 15 13 00-0064 SF 2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	20.30	2.51
06 15 13 00-0065 SF 2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	20.20	2.39
06 15 13 00-0066 Wood Ramp Systems <small>(06 15 13)</small> Note: Includes the decking, joists, girders, posts at corners and along ramp, pickets and railing.		
06 15 13 00-0067 Pressure Treated Wood Ramp System <small>(06 15 13 00-0066)</small>		
06 15 13 00-0068 2" x 6" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0069 SF 5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	19.57	2.39
06 15 13 00-0070 SF 5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	19.23	2.27
06 15 13 00-0071 SF 2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	20.48	2.44
06 15 13 00-0072 SF 2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	20.20	2.32
06 15 13 00-0073 2" x 8" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0074 SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	20.33	2.44
06 15 13 00-0075 SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	20.01	2.32
06 15 13 00-0076 SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	21.30	2.51
06 15 13 00-0077 SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	21.01	2.39
06 15 13 00-0078 2" x 10" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0079 SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	21.15	2.51
06 15 13 00-0080 SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	20.83	2.38
06 15 13 00-0081 SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	22.16	2.57
06 15 13 00-0082 SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	21.86	2.44
06 15 13 00-0083 Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0066)</small>		
06 15 13 00-0084 2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0083)</small>		
06 15 13 00-0085 SF 5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	22.01	2.39
06 15 13 00-0086 SF 5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	21.79	2.27
06 15 13 00-0087 SF 2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	23.55	2.44
06 15 13 00-0088 SF 2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	23.09	2.32
06 15 13 00-0089 2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0083)</small>		
06 15 13 00-0090 SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	22.93	2.44
06 15 13 00-0091 SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	22.74	2.32
06 15 13 00-0092 SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	24.57	2.51
06 15 13 00-0093 SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	24.09	2.39
06 15 13 00-0094 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0083)</small>		
06 15 13 00-0095 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	25.26	2.51
06 15 13 00-0096 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	25.04	2.38
06 15 13 00-0097 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	27.05	2.57
06 15 13 00-0098 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	27.12	2.44
06 15 13 00-0099 Cypress With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0066)</small>		
06 15 13 00-0100 2" x 6" Joists, Cypress With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0099)</small>		
06 15 13 00-0101 SF 5/4" x 4" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	20.90	2.39
06 15 13 00-0102 SF 5/4" x 6" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	20.64	2.27
06 15 13 00-0103 SF 2" x 4" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	22.30	2.44
06 15 13 00-0104 SF 2" x 6" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	21.82	2.32
06 15 13 00-0105 2" x 8" Joists, Cypress With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0099)</small>		
06 15 13 00-0106 SF 5/4" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	21.75	2.44
06 15 13 00-0107 SF 5/4" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	21.51	2.32
06 15 13 00-0108 SF 2" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	23.24	2.51
06 15 13 00-0109 SF 2" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	22.73	2.39
06 15 13 00-0110 2" x 10" Joists, Cypress With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0099)</small>		
06 15 13 00-0111 SF 5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	23.76	2.51
06 15 13 00-0112 SF 5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	23.57	2.38
06 15 13 00-0113 SF 2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	25.47	2.57
06 15 13 00-0114 SF 2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	25.45	2.44

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 15 13 00-0115	Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0066)</small>		
06 15 13 00-0116	2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0115)</small>		
06 15 13 00-0117	SF 5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	20.43	2.39
06 15 13 00-0118	SF 5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	20.14	2.27
06 15 13 00-0119	SF 2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	21.42	2.44
06 15 13 00-0120	SF 2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	21.18	2.32
06 15 13 00-0121	2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0115)</small>		
06 15 13 00-0122	SF 5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	21.25	2.44
06 15 13 00-0123	SF 5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	20.97	2.32
06 15 13 00-0124	SF 2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	22.31	2.51
06 15 13 00-0125	SF 2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	22.06	2.39
06 15 13 00-0126	2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0115)</small>		
06 15 13 00-0127	SF 5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	22.16	2.51
06 15 13 00-0128	SF 5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	21.85	2.38
06 15 13 00-0129	SF 2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	23.23	2.57
06 15 13 00-0130	SF 2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	22.98	2.44
06 15 13 00-0131	Wood Stair Systems <small>(06 15 13)</small>		
	Note: Includes the decking, joists, girders, posts at corners and along stairs, pickets and railing.		
06 15 13 00-0132	Pressure Treated Wood Stair System <small>(06 15 13 00-0131)</small>		
06 15 13 00-0133	2" x 10" Joists, Pressure Treated Wood Stair System <small>(06 15 13 00-0132)</small>		
06 15 13 00-0134	RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	59.63	5.87
06 15 13 00-0135	RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	59.78	5.58
06 15 13 00-0136	RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	61.81	6.02
06 15 13 00-0137	RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	61.41	5.72
06 15 13 00-0138	RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	62.61	6.16
06 15 13 00-0139	RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	62.76	5.85
06 15 13 00-0140	RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	64.90	6.33
06 15 13 00-0141	RSR 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	64.49	6.01
06 15 13 00-0142	RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	65.59	6.47
06 15 13 00-0143	RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	65.74	6.15
06 15 13 00-0144	RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	67.98	6.64
06 15 13 00-0145	RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	67.56	6.30
06 15 13 00-0146	RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	70.45	6.80
06 15 13 00-0147	RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	70.71	6.46
06 15 13 00-0148	RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	73.05	6.97
06 15 13 00-0149	RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	72.65	6.62
06 15 13 00-0150	2" x 12" Joists, Pressure Treated Wood Stair System <small>(06 15 13 00-0132)</small>		
06 15 13 00-0151	RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	60.69	6.02
06 15 13 00-0152	RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	60.34	5.72
06 15 13 00-0153	RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	63.04	6.17
06 15 13 00-0154	RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	62.71	5.86
06 15 13 00-0155	RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	63.72	6.31
06 15 13 00-0156	RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	63.35	6.01
06 15 13 00-0157	RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	66.18	6.48
06 15 13 00-0158	RSR 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	65.84	6.15
06 15 13 00-0159	RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	66.76	6.63
06 15 13 00-0160	RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	66.36	6.30
06 15 13 00-0161	RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	69.34	6.80
06 15 13 00-0162	RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	68.96	6.47
06 15 13 00-0163	RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	71.70	6.96
06 15 13 00-0164	RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	71.34	6.62
06 15 13 00-0165	RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	74.49	7.14
06 15 13 00-0166	RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	74.16	6.79
06 15 13 00-0167	Redwood With Pressure Treated Joists, Wood Stair System <small>(06 15 13 00-0131)</small>		
06 15 13 00-0168	2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System <small>(06 15 13 00-0167)</small>		
06 15 13 00-0169	RSR 3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	74.10	5.87
06 15 13 00-0170	RSR 3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	74.12	5.58
06 15 13 00-0171	RSR 3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	77.18	6.02
06 15 13 00-0172	RSR 3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	77.24	5.72
06 15 13 00-0173	RSR 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	77.80	6.16
06 15 13 00-0174	RSR 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	77.81	5.85
06 15 13 00-0175	RSR 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	81.05	6.33
06 15 13 00-0176	RSR 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	81.11	6.01
06 15 13 00-0177	RSR 4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	81.47	6.47
06 15 13 00-0178	RSR 4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	81.48	6.15
06 15 13 00-0179	RSR 4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	84.86	6.64
06 15 13 00-0180	RSR 4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	84.92	6.30
06 15 13 00-0181	RSR 5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	87.92	6.80
06 15 13 00-0182	RSR 5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	88.02	6.46



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 'Redwood Decking With 2" x 10" Pressure Treated Joists' and 'Cypress Decking With 2" x 10" Pressure Treated Joists'.

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 15 13 00-0255	2" x 12" Joists, Cedar With Pressure Treated Joists, Wood Stair System <small>(06 15 13 00-0237)</small>		
06 15 13 00-0256	RSR 3' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	64.34	6.02
06 15 13 00-0257	RSR 3' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	64.14	5.72
06 15 13 00-0258	RSR 3' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	66.88	6.17
06 15 13 00-0259	RSR 3' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	66.71	5.86
06 15 13 00-0260	RSR 3'-6" Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	67.55	6.31
06 15 13 00-0261	RSR 3'-6" Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	67.34	6.01
06 15 13 00-0262	RSR 3'-6" Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	70.22	6.48
06 15 13 00-0263	RSR 3'-6" Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	70.04	6.15
06 15 13 00-0264	RSR 4' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	70.76	6.63
06 15 13 00-0265	RSR 4' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	70.54	6.30
06 15 13 00-0266	RSR 4' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	73.55	6.80
06 15 13 00-0267	RSR 4' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	73.35	6.47
06 15 13 00-0268	RSR 5' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	76.10	6.96
06 15 13 00-0269	RSR 5' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	75.93	6.62
06 15 13 00-0270	RSR 5' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	79.13	7.14
06 15 13 00-0271	RSR 5' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	78.99	6.79

06 15 13 00-0272 **Wood Deck And Ramp Systems Repairs** (06 15 13)
Note: Includes removal of material and screws. Excludes anchors and bolts.

06 15 13 00-0273 **Deck Joist Or Girt** (06 15 13 00-0272)
See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.

06 15 13 00-0274	Deck Boards <small>(06 15 13 00-0272)</small>		
	See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0275	LF 5/4" x 4" Round Edge Pressure Treated Deck Boards.....	1.11	0.31
06 15 13 00-0276	LF 5/4" x 6" Round Edge Pressure Treated Deck Boards.....	1.20	0.36
06 15 13 00-0277	LF 2" x 4" Round Edge Pressure Treated Deck Boards.....	1.16	0.36
06 15 13 00-0278	LF 2" x 6" Round Edge Pressure Treated Deck Boards.....	1.60	0.41
06 15 13 00-0279	LF 2" x 8" Round Edge Pressure Treated Deck Boards.....	2.10	0.50
06 15 13 00-0280	LF 2" x 10" Round Edge Pressure Treated Deck Boards.....	2.57	0.61
06 15 13 00-0281	LF 2" x 12" Round Edge Pressure Treated Deck Boards.....	3.22	0.72
06 15 13 00-0282	LF 2" x 4" Round Edge Cedar Deck Boards	1.68	0.36
06 15 13 00-0283	LF 2" x 6" Round Edge Cedar Deck Boards	2.29	0.41
06 15 13 00-0284	LF 2" x 4" Round Edge Redwood Deck Boards	1.94	0.36
06 15 13 00-0285	LF 2" x 6" Round Edge Redwood Deck Boards	2.68	0.41

06 15 13 00-0286 **Deck Posts** (06 15 13 00-0272)
See CSI section 06 11 16 00-0092 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.

06 15 13 00-0287	Deck Railing And Pickets <small>(06 15 13 00-0272)</small>		
	See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0288	LF 2" x 4" Pressure Treated Deck Railing.....	1.16	0.36
06 15 13 00-0289	LF 2" x 2" Pressure Treated Deck Railing Picket	0.89	0.28
06 15 13 00-0290	LF 2" x 4" Cedar Deck Railing.....	1.68	0.36
06 15 13 00-0291	LF 2" x 2" Cedar Deck Railing Picket.....	1.24	0.28
06 15 13 00-0292	LF 2" x 4" Redwood Deck Railing	1.94	0.36
06 15 13 00-0293	LF 2" x 2" Redwood Deck Railing Picket.....	1.43	0.28

06 16 Sheathing (06 10)**06 16 23 Subflooring** (06 16)

06 16 23 00-0001	Board Type Subflooring <small>(06 16 23)</small>		
06 16 23 00-0002	SF 1" x 8" Regular Surface Board Type Subfloor.....	1.21	0.32
	Note: 4 Sides Laid In A Regular Pattern.		
	For Water Resistant Coating Or Treatment, Add	0.03	
	For Foil Backing, Add	0.05	
	For Tongue And Groove, Add	0.04	
06 16 23 00-0003	SF 1" x 8" Diagonal Surface Board Type Subfloor	1.35	0.39
	Note: 4 Sides Laid In A Diagonal Pattern.		
	For Water Resistant Coating Or Treatment, Add	0.03	
	For Foil Backing, Add	0.05	
	For Tongue And Groove, Add	0.04	
06 16 23 00-0004	SF 1" x 10" Regular Surface Board Type Subfloor	1.17	0.28
	Note: 4 sides laid in a regular pattern.		
	For Water Resistant Coating Or Treatment, Add	0.03	
	For Foil Backing, Add	0.05	
	For Tongue And Groove, Add	0.04	
06 16 23 00-0005	SF 1" x 10" Diagonal Surface Board Type Subfloor	1.26	0.32
	Note: 4 sides laid in a diagonal pattern.		
	For Water Resistant Coating Or Treatment, Add	0.03	
	For Foil Backing, Add	0.05	
	For Tongue And Groove, Add	0.04	

06 16 33 Wood Board Sheathing (06 16)

06 16 33 00-0001 **Plywood** (06 16 33)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0002			Roof Decking (06 16 33 00-0001)		
06 16 33 00-0003	SF		3/8" Thick CDX Plywood Roof Decking 1.03		0.20
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.09	
			For Exterior CC Grade Plywood, Add	0.09	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.09	
			For ACQ Preservative Treatment, Add	0.27	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.69	
			For Fire Retardant Treatment, Add	0.45	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.03	
06 16 33 00-0004	SF		1/2" Thick CDX Plywood Roof Decking 1.21		0.24
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.10	
			For Exterior CC Grade Plywood, Add	0.11	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.10	
			For ACQ Preservative Treatment, Add	0.34	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.77	
			For Fire Retardant Treatment, Add	0.55	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.03	
			For >12,800, Deduct	-0.04	
06 16 33 00-0005	SF		5/8" Thick CDX Plywood Roof Decking 1.37		0.24
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.11	
			For Exterior CC Grade Plywood, Add	0.12	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.11	
			For ACQ Preservative Treatment, Add	0.39	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.83	
			For Fire Retardant Treatment, Add	0.65	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.03	
			For >12,800, Deduct	-0.05	
			For Tongue And Groove, Add	0.06	
06 16 33 00-0006	SF		3/4" Thick CDX Plywood Roof Decking 1.54		0.28
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.12	
			For Exterior CC Grade Plywood, Add	0.14	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.12	
			For ACQ Preservative Treatment, Add	0.46	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.89	
			For Fire Retardant Treatment, Add	0.75	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.04	
			For >12,800, Deduct	-0.06	
			For Tongue And Groove, Add	0.07	
06 16 33 00-0007			Wall Sheathing (06 16 33 00-0001)		
06 16 33 00-0008	SF		1/4" Interior BC Plywood Wall Sheathing 1.16		0.28
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.12	
			For Exterior CC Grade Plywood, Add	0.09	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.12	
			For Ceiling Installation, Add	0.06	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.89	
			For Fire Retardant Treatment, Add	0.45	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.03	
06 16 33 00-0009	SF		5/16" Interior BC Plywood Wall Sheathing 1.18		0.28
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.12	
			For Exterior CC Grade Plywood, Add	0.09	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.12	
			For Ceiling Installation, Add	0.06	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.89	
			For Fire Retardant Treatment, Add	0.47	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.04	
06 16 33 00-0010	SF		3/8" Interior BC Plywood Wall Sheathing 1.24		0.32
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.12	
			For Exterior CC Grade Plywood, Add	0.10	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.12	
			For Ceiling Installation, Add	0.06	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.89	
			For Fire Retardant Treatment, Add	0.51	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.03	
			For >12,800, Deduct	-0.04	

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06 16 33 00-0011	SF	1/2" Interior BC Plywood Wall Sheathing.....	1.44	0.32
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	0.13	
		For Exterior CC Grade Plywood, Add	0.12	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.13	
		For Ceiling Installation, Add	0.06	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.95	
		For Fire Retardant Treatment, Add	0.64	
		For >3,200 To 6,400, Deduct	-0.02	
		For >6,400 To 12,800, Deduct	-0.03	
		For >12,800, Deduct	-0.05	
06 16 33 00-0012	SF	5/8" Interior BC Plywood Wall Sheathing.....	1.61	0.35
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	0.14	
		For Exterior CC Grade Plywood, Add	0.14	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.14	
		For Ceiling Installation, Add	0.07	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.02	
		For Fire Retardant Treatment, Add	0.73	
		For >3,200 To 6,400, Deduct	-0.02	
		For >6,400 To 12,800, Deduct	-0.04	
		For >12,800, Deduct	-0.06	
06 16 33 00-0013	SF	3/4" Interior BC Plywood Wall Sheathing.....	1.79	0.39
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	0.15	
		For Exterior CC Grade Plywood, Add	0.16	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.15	
		For Ceiling Installation, Add	0.07	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.10	
		For Fire Retardant Treatment, Add	0.84	
		For >3,200 To 6,400, Deduct	-0.02	
		For >6,400 To 12,800, Deduct	-0.04	
		For >12,800, Deduct	-0.06	
06 16 33 00-0014	SF	Portable Siding, 5/8" Exterior Plywood Siding (Hardi-Panel) Plywood Siding (Hardi-Panel Finish)	2.33	0.39
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.02	
		For Fire Retardant Treatment, Add	1.30	
		For >3,200 To 6,400, Deduct	-0.03	
		For >6,400 To 12,800, Deduct	-0.07	
		For >12,800, Deduct	-0.10	
06 16 33 00-0015		Floor Decking <small>(06 16 33 00-0001)</small>		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking.....	0.85	0.24
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.66	
		For Fire Retardant Treatment, Add	0.32	
		For >3,200 To 6,400, Deduct	-0.01	
		For >6,400 To 12,800, Deduct	-0.02	
		For >12,800, Deduct	-0.02	
		For ACQ Preservative Treatment, Add	0.20	
		For Fir Plywood, Add	0.08	
		For BC Grade Plywood, Add	0.06	
		For Exterior Glue, Add	0.04	
		For Marine Grade, Add	0.32	
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking.....	0.91	0.24
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.69	
		For Fire Retardant Treatment, Add	0.36	
		For >3,200 To 6,400, Deduct	-0.01	
		For >6,400 To 12,800, Deduct	-0.02	
		For >12,800, Deduct	-0.03	
		For ACQ Preservative Treatment, Add	0.22	
		For Fir Plywood, Add	0.08	
		For BC Grade Plywood, Add	0.07	
		For Exterior Glue, Add	0.04	
		For Marine Grade, Add	0.35	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking.....	1.08	0.24
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.74	
		For Fire Retardant Treatment, Add	0.47	
		For >3,200 To 6,400, Deduct	-0.01	
		For >6,400 To 12,800, Deduct	-0.02	
		For >12,800, Deduct	-0.04	
		For ACQ Preservative Treatment, Add	0.28	
		For Fir Plywood, Add	0.11	
		For BC Grade Plywood, Add	0.09	
		For Exterior Glue, Add	0.05	
		For Marine Grade, Add	0.46	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking.....	1.25	0.24
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.81	
		For Fire Retardant Treatment, Add	0.56	
		For >3,200 To 6,400, Deduct	-0.01	
		For >6,400 To 12,800, Deduct	-0.03	
		For >12,800, Deduct	-0.04	
		For ACQ Preservative Treatment, Add	0.34	
		For Fir Plywood, Add	0.13	
		For BC Grade Plywood, Add	0.11	
		For Exterior Glue, Add	0.07	
		For Marine Grade, Add	0.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0020	SF		3/4" CD Grade Plywood Floor Decking.....	1.48	0.24
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.86	
			For Fire Retardant Treatment, Add	0.72	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.04	
			For >12,800, Deduct	-0.05	
			For ACQ Preservative Treatment, Add	0.44	
			For Fir Plywood, Add	0.17	
			For BC Grade Plywood, Add	0.13	
			For Exterior Glue, Add	0.08	
			For Marine Grade, Add	0.71	
06 16 33 00-0021	SF		1-1/8" CD Grade Plywood Floor Decking.....	2.40	0.35
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.02	
			For Fire Retardant Treatment, Add	1.36	
			For >3,200 To 6,400, Deduct	-0.03	
			For >6,400 To 12,800, Deduct	-0.07	
			For >12,800, Deduct	-0.10	
			For ACQ Preservative Treatment, Add	0.83	
			For Fir Plywood, Add	0.32	
			For BC Grade Plywood, Add	0.25	
			For Exterior Glue, Add	0.16	
			For Marine Grade, Add	1.35	
06 16 33 00-0022	SF		1/2" AC Fir Plywood Floor Decking.....	1.44	0.24
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.74	
			For Fire Retardant Treatment, Add	0.75	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.04	
			For >12,800, Deduct	-0.06	
			For ACQ Preservative Treatment, Add	0.46	
			For Exterior Glue, Add	0.09	
			For Marine Grade, Add	0.74	
			For Tongue And Groove, Add	0.07	
06 16 33 00-0023	SF		5/8" AC Fir Plywood Floor Decking.....	1.64	0.24
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.81	
			For Fire Retardant Treatment, Add	0.87	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.04	
			For >12,800, Deduct	-0.07	
			For ACQ Preservative Treatment, Add	0.53	
			For Exterior Glue, Add	0.10	
			For Marine Grade, Add	0.86	
			For Tongue And Groove, Add	0.08	
06 16 33 00-0024	SF		3/4" AC Fir Plywood Floor Decking.....	1.77	0.24
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.86	
			For Fire Retardant Treatment, Add	0.95	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.05	
			For >12,800, Deduct	-0.07	
			For ACQ Preservative Treatment, Add	0.58	
			For Exterior Glue, Add	0.11	
			For Marine Grade, Add	0.94	
			For Tongue And Groove, Add	0.08	
06 16 33 00-0025			Underlayment Grade Subfloor (06 16 33 00-0001)		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026	SF		1/4" Thick Plywood Underlayment BC Grade Subfloor	0.93	0.24
			For Fire Retardant Treatment, Add	0.38	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.03	
06 16 33 00-0027	SF		3/8" Thick Plywood Underlayment BC Grade Subfloor	1.01	0.24
			For Fire Retardant Treatment, Add	0.42	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.03	
06 16 33 00-0028	SF		1/2" Thick Plywood Underlayment BC Grade Subfloor	1.05	0.28
			For Fire Retardant Treatment, Add	0.45	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.03	
06 16 33 00-0029	SF		5/8" Thick Plywood Underlayment BC Grade Subfloor	1.23	0.28
			For Fire Retardant Treatment, Add	0.54	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.03	
			For >12,800, Deduct	-0.04	
			For Tongue And Groove, Add	0.05	
06 16 33 00-0030	SF		3/4" Thick Plywood Underlayment BC Grade Subfloor	1.37	0.28
			For Fire Retardant Treatment, Add	0.65	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.03	
			For >12,800, Deduct	-0.05	
			For Tongue And Groove, Add	0.06	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0031	SF		1-1/8" Thick Plywood Underlayment BC Grade Subfloor.....	1.86	0.32
			For Fire Retardant Treatment, Add	0.99	
			For >3,200 To 6,400, Deduct	-0.03	
			For >6,400 To 12,800, Deduct	-0.05	
			For >12,800, Deduct	-0.08	
			For Tongue And Groove, Add	0.09	
06 16 33 00-0032	SF		3/8" Thick Plywood CDX Grade Subfloor.....	1.12	0.24
			For Fire Retardant Treatment, Add	0.51	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.03	
			For >12,800, Deduct	-0.04	
06 16 33 00-0033	SF		5/8" Thick Plywood CDX Grade Subfloor.....	1.51	0.28
			For Fire Retardant Treatment, Add	0.77	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.04	
			For >12,800, Deduct	-0.06	
06 16 33 00-0034			Oriented Strand Board <small>(06 16 33)</small>		
06 16 33 00-0035			On Roof <small>(06 16 33 00-0034)</small>		
06 16 33 00-0036	SF		3/8" Thick Structural Oriented Strand Board On Roof.....	0.75	0.24
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.01	
			For >12,800, Deduct	-0.02	
			For Fire Retardant Treatment, Add	0.23	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.69	
06 16 33 00-0037	SF		1/2" Thick Structural Oriented Strand Board On Roof.....	0.85	0.24
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.01	
			For >12,800, Deduct	-0.02	
			For Fire Retardant Treatment, Add	0.27	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.77	
06 16 33 00-0038	SF		5/8" Thick Structural Oriented Strand Board On Roof.....	1.04	0.28
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.03	
			For Fire Retardant Treatment, Add	0.39	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.83	
06 16 33 00-0039	SF		3/4" Thick Structural Oriented Strand Board On Roof.....	1.24	0.28
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.03	
			For >12,800, Deduct	-0.04	
			For Fire Retardant Treatment, Add	0.51	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.89	
06 16 33 00-0040			On Walls <small>(06 16 33 00-0034)</small>		
06 16 33 00-0041	SF		3/8" Thick Structural Oriented Strand Board On Walls.....	0.88	0.28
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.01	
			For >12,800, Deduct	-0.02	
			For Fire Retardant Treatment, Add	0.23	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.89	
06 16 33 00-0042	SF		1/2" Thick Structural Oriented Strand Board On Walls.....	0.97	0.32
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.01	
			For >12,800, Deduct	-0.02	
			For Fire Retardant Treatment, Add	0.27	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.95	
06 16 33 00-0043	SF		5/8" Thick Structural Oriented Strand Board On Walls.....	1.17	0.35
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.03	
			For Fire Retardant Treatment, Add	0.39	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.02	
06 16 33 00-0044	SF		3/4" Thick Structural Oriented Strand Board On Walls.....	1.38	0.35
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.03	
			For >12,800, Deduct	-0.04	
			For Fire Retardant Treatment, Add	0.51	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.10	
06 16 33 00-0045			On Floors <small>(06 16 33 00-0034)</small>		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF		3/8" Thick Structural Oriented Strand Board On Floors.....	0.76	0.24
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.01	
			For >12,800, Deduct	-0.02	
			For Fire Retardant Treatment, Add	0.23	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.71	
06 16 33 00-0047	SF		1/2" Thick Structural Oriented Strand Board On Floors.....	0.91	0.28
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.01	
			For >12,800, Deduct	-0.02	
			For Fire Retardant Treatment, Add	0.27	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0048	SF		5/8" Thick Structural Oriented Strand Board On Floors <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.11 -0.01 -0.02 -0.03 0.39 0.93	0.32
06 16 33 00-0049	SF		3/4" Thick Structural Oriented Strand Board On Floors <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.33 -0.01 -0.03 -0.04 0.51 1.02	0.35
06 16 33 00-0050			Particle Board (06 16 33)		
06 16 33 00-0051			Particle Board Floor Decking (06 16 33 00-0050) Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052	SF		3/8" Particle Board Floor Decking Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	0.70 0.19 -0.01 -0.01 -0.02 0.02	0.20
06 16 33 00-0053	SF		1/2" Particle Board Floor Decking Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	0.82 0.26 -0.01 -0.02 -0.03 0.02	0.20
06 16 33 00-0054	SF		5/8" Particle Board Floor Decking Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	0.94 0.33 -0.01 -0.02 -0.03 0.03	0.24
06 16 33 00-0055	SF		3/4" Particle Board Floor Decking Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	1.04 0.39 -0.01 -0.02 -0.04 0.03	0.24
06 16 43			Gypsum Sheathing (06 16)		
06 16 43 00-0001			Exterior Gypsum Sheathing (06 16 43) Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002	SF		1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold) <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For Ceiling Installation, Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	1.46 0.13 0.06 -0.02 -0.03 -0.05 0.95	0.32
06 16 43 00-0003	SF		5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold) <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For Ceiling Installation, Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	1.59 0.14 0.07 -0.02 -0.04 -0.05 1.02	0.39
06 17			Shop-Fabricated Structural Wood (06 17)		
06 17 13			Laminated Veneer Lumber (06 17)		
06 17 13 00-0001			Laminated Veneer Lumber (LVL) (06 17 13)		
06 17 13 00-0002	LF		1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL)	5.06	0.68
06 17 13 00-0003	LF		1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL)	5.74	0.69
06 17 13 00-0004	LF		1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL)	6.53	0.70
06 17 13 00-0005	LF		1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL)	7.53	0.72
06 17 13 00-0006	LF		1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL).....	8.27	0.73
06 17 13 00-0007	LF		1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL).....	9.30	0.75
06 17 13 00-0008	LF		1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL).....	10.84	0.76
06 17 13 00-0009	LF		1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL).....	15.45	0.87
06 17 23			Parallel Strand Lumber (06 17)		
06 17 23 00-0001			Laminated Strand Lumber (LSL) (06 17 23)		
06 17 23 00-0002	LF		2" x 4" Laminated Strand Lumber (LSL)	1.78	0.32
06 17 23 00-0003	LF		2" x 6" Laminated Strand Lumber (LSL)	2.63	0.34

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**06 17 33 Wood I-Joists** (06 17)**06 17 33 00-0001 Prefabricated Wood I-Joists** (06 17 33)

06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	3.31	0.56
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.25	
		<i>For I-Joists >40' In Length, Add</i>	0.61	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	3.51	0.63
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.28	
		<i>For I-Joists >40' In Length, Add</i>	0.68	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	4.18	0.71
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.31	
		<i>For I-Joists >40' In Length, Add</i>	0.76	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	4.73	0.79
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.35	
		<i>For I-Joists >40' In Length, Add</i>	0.85	

06 17 43 Rim Boards (06 17)**06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board** (06 17 43)

06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board.....	3.60	0.70
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board.....	4.11	0.72
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board.....	4.73	0.73

06 17 53 Shop-Fabricated Wood Trusses (06 17)**06 17 53 00-0001 Pre-Assembled Wood Roof Trusses** (06 17 53)

Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	106.22	33.06
		<i>For Up To 15, Add</i>	3.01	
		<i>For >35, Deduct</i>	-2.01	
		<i>For 3 In 12 Slope, Add</i>	1.20	
		<i>For 5 In 12 Slope, Add</i>	3.21	
		<i>For 6 In 12 Slope, Add</i>	6.02	
		<i>For 7 In 12 Slope, Add</i>	8.02	
		<i>For 8 In 12 Slope, Add</i>	9.63	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	119.26	36.20
		<i>For Up To 15, Add</i>	3.51	
		<i>For >35, Deduct</i>	-2.34	
		<i>For 3 In 12 Slope, Add</i>	1.41	
		<i>For 5 In 12 Slope, Add</i>	3.75	
		<i>For 6 In 12 Slope, Add</i>	7.03	
		<i>For 7 In 12 Slope, Add</i>	9.37	
		<i>For 8 In 12 Slope, Add</i>	11.24	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	135.07	39.35
		<i>For Up To 15, Add</i>	4.23	
		<i>For >35, Deduct</i>	-2.82	
		<i>For 3 In 12 Slope, Add</i>	1.69	
		<i>For 5 In 12 Slope, Add</i>	4.51	
		<i>For 6 In 12 Slope, Add</i>	8.46	
		<i>For 7 In 12 Slope, Add</i>	11.27	
		<i>For 8 In 12 Slope, Add</i>	13.53	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	158.25	42.50
		<i>For Up To 15, Add</i>	5.49	
		<i>For >35, Deduct</i>	-3.66	
		<i>For 3 In 12 Slope, Add</i>	2.20	
		<i>For 5 In 12 Slope, Add</i>	5.86	
		<i>For 6 In 12 Slope, Add</i>	10.99	
		<i>For 7 In 12 Slope, Add</i>	14.65	
		<i>For 8 In 12 Slope, Add</i>	17.58	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	177.20	45.65
		<i>For Up To 15, Add</i>	6.44	
		<i>For >35, Deduct</i>	-4.30	
		<i>For 3 In 12 Slope, Add</i>	2.58	
		<i>For 5 In 12 Slope, Add</i>	6.87	
		<i>For 6 In 12 Slope, Add</i>	12.89	
		<i>For 7 In 12 Slope, Add</i>	17.18	
		<i>For 8 In 12 Slope, Add</i>	20.62	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	180.95	50.37
		<i>For Up To 15, Add</i>	6.02	
		<i>For >35, Deduct</i>	-4.01	
		<i>For 3 In 12 Slope, Add</i>	2.41	
		<i>For 5 In 12 Slope, Add</i>	6.42	
		<i>For 6 In 12 Slope, Add</i>	12.03	
		<i>For 7 In 12 Slope, Add</i>	16.04	
		<i>For 8 In 12 Slope, Add</i>	19.25	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	189.59	80.28
		<i>For Up To 15, Add</i>	6.19	
		<i>For >35, Deduct</i>	-4.13	
		<i>For 3 In 12 Slope, Add</i>	2.48	
		<i>For 5 In 12 Slope, Add</i>	6.60	
		<i>For 6 In 12 Slope, Add</i>	12.38	
		<i>For 7 In 12 Slope, Add</i>	16.51	
		<i>For 8 In 12 Slope, Add</i>	19.81	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0009	EA		24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	202.88	56.67
			For Up To 15, Add	6.72	
			For >35, Deduct	-4.48	
			For 3 In 12 Slope, Add	2.69	
			For 5 In 12 Slope, Add	7.16	
			For 6 In 12 Slope, Add	13.43	
			For 7 In 12 Slope, Add	17.91	
			For 8 In 12 Slope, Add	21.49	
06 17 53 00-0010	EA		26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	216.93	89.71
			For Up To 15, Add	7.30	
			For >35, Deduct	-4.87	
			For 3 In 12 Slope, Add	2.92	
			For 5 In 12 Slope, Add	7.78	
			For 6 In 12 Slope, Add	14.60	
			For 7 In 12 Slope, Add	19.46	
			For 8 In 12 Slope, Add	23.35	
06 17 53 00-0011	EA		28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	232.00	62.96
			For Up To 15, Add	7.96	
			For >35, Deduct	-5.30	
			For 3 In 12 Slope, Add	3.18	
			For 5 In 12 Slope, Add	8.49	
			For 6 In 12 Slope, Add	15.91	
			For 7 In 12 Slope, Add	21.22	
			For 8 In 12 Slope, Add	25.46	
06 17 53 00-0012	EA		30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	241.66	99.16
			For Up To 15, Add	8.21	
			For >35, Deduct	-5.47	
			For 3 In 12 Slope, Add	3.28	
			For 5 In 12 Slope, Add	8.76	
			For 6 In 12 Slope, Add	16.42	
			For 7 In 12 Slope, Add	21.89	
			For 8 In 12 Slope, Add	26.27	
06 17 53 00-0013	EA		32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	255.74	67.69
			For Up To 15, Add	9.03	
			For >35, Deduct	-6.02	
			For 3 In 12 Slope, Add	3.61	
			For 5 In 12 Slope, Add	9.63	
			For 6 In 12 Slope, Add	18.06	
			For 7 In 12 Slope, Add	24.08	
			For 8 In 12 Slope, Add	28.89	
06 17 53 00-0014	EA		34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	286.01	106.27
			For Up To 15, Add	10.83	
			For >35, Deduct	-7.22	
			For 3 In 12 Slope, Add	4.33	
			For 5 In 12 Slope, Add	11.55	
			For 6 In 12 Slope, Add	21.65	
			For 7 In 12 Slope, Add	28.87	
			For 8 In 12 Slope, Add	34.64	
06 17 53 00-0015	EA		36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	300.51	72.41
			For Up To 15, Add	11.68	
			For >35, Deduct	-7.79	
			For 3 In 12 Slope, Add	4.67	
			For 5 In 12 Slope, Add	12.46	
			For 6 In 12 Slope, Add	23.36	
			For 7 In 12 Slope, Add	31.14	
			For 8 In 12 Slope, Add	37.37	
06 17 53 00-0016	EA		38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	317.44	113.32
			For Up To 15, Add	12.48	
			For >35, Deduct	-8.32	
			For 3 In 12 Slope, Add	4.99	
			For 5 In 12 Slope, Add	13.31	
			For 6 In 12 Slope, Add	24.95	
			For 7 In 12 Slope, Add	33.27	
			For 8 In 12 Slope, Add	39.92	
06 17 53 00-0017	EA		40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	327.30	78.70
			For Up To 15, Add	12.74	
			For >35, Deduct	-8.50	
			For 3 In 12 Slope, Add	5.10	
			For 5 In 12 Slope, Add	13.59	
			For 6 In 12 Slope, Add	25.49	
			For 7 In 12 Slope, Add	33.98	
			For 8 In 12 Slope, Add	40.78	
06 17 53 00-0018	EA		42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	369.52	122.77
			For Up To 15, Add	15.44	
			For >35, Deduct	-10.29	
			For 3 In 12 Slope, Add	6.17	
			For 5 In 12 Slope, Add	16.47	
			For 6 In 12 Slope, Add	30.87	
			For 7 In 12 Slope, Add	41.17	
			For 8 In 12 Slope, Add	49.40	
06 17 53 00-0019	EA		44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	410.77	84.99
			For Up To 15, Add	18.06	
			For >35, Deduct	-12.04	
			For 3 In 12 Slope, Add	7.22	
			For 5 In 12 Slope, Add	19.26	
			For 6 In 12 Slope, Add	36.12	
			For 7 In 12 Slope, Add	48.16	
			For 8 In 12 Slope, Add	57.79	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 17 53 00-0020	EA 46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	424.83	88.14
	For Up To 15, Add	18.64	
	For >35, Deduct	-12.43	
	For 3 In 12 Slope, Add	7.46	
	For 5 In 12 Slope, Add	19.88	
	For 6 In 12 Slope, Add	37.28	
	For 7 In 12 Slope, Add	49.71	
	For 8 In 12 Slope, Add	59.65	
06 17 53 00-0021	EA 48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	448.25	91.29
	For Up To 15, Add	19.93	
	For >35, Deduct	-13.28	
	For 3 In 12 Slope, Add	7.97	
	For 5 In 12 Slope, Add	21.25	
	For 6 In 12 Slope, Add	39.85	
	For 7 In 12 Slope, Add	53.13	
	For 8 In 12 Slope, Add	63.76	
06 17 53 00-0022	EA 50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	528.96	94.43
	For Up To 15, Add	25.51	
	For >35, Deduct	-17.00	
	For 3 In 12 Slope, Add	10.20	
	For 5 In 12 Slope, Add	27.21	
	For 6 In 12 Slope, Add	51.01	
	For 7 In 12 Slope, Add	68.02	
	For 8 In 12 Slope, Add	81.62	
06 17 53 00-0023	EA 52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	493.05	84.94
	For Up To 15, Add	22.81	
	For >35, Deduct	-15.21	
	For 3 In 12 Slope, Add	9.13	
	For 5 In 12 Slope, Add	24.33	
	For 6 In 12 Slope, Add	45.63	
	For 7 In 12 Slope, Add	60.83	
	For 8 In 12 Slope, Add	73.00	
06 17 53 00-0024	EA 54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	517.17	99.16
	For Up To 15, Add	23.91	
	For >35, Deduct	-15.94	
	For 3 In 12 Slope, Add	9.57	
	For 5 In 12 Slope, Add	25.51	
	For 6 In 12 Slope, Add	47.83	
	For 7 In 12 Slope, Add	63.77	
	For 8 In 12 Slope, Add	76.52	
06 17 53 00-0025	EA 56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	539.15	91.92
	For Up To 15, Add	25.09	
	For >35, Deduct	-16.73	
	For 3 In 12 Slope, Add	10.04	
	For 5 In 12 Slope, Add	26.76	
	For 6 In 12 Slope, Add	50.18	
	For 7 In 12 Slope, Add	66.91	
	For 8 In 12 Slope, Add	80.29	
06 17 53 00-0026	EA 58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	560.87	103.88
	For Up To 15, Add	26.48	
	For >35, Deduct	-17.66	
	For 3 In 12 Slope, Add	10.59	
	For 5 In 12 Slope, Add	28.25	
	For 6 In 12 Slope, Add	52.97	
	For 7 In 12 Slope, Add	70.62	
	For 8 In 12 Slope, Add	84.74	
06 17 53 00-0027	EA 60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	573.59	105.45
	For Up To 15, Add	27.20	
	For >35, Deduct	-18.13	
	For 3 In 12 Slope, Add	10.88	
	For 5 In 12 Slope, Add	29.01	
	For 6 In 12 Slope, Add	54.40	
	For 7 In 12 Slope, Add	72.53	
	For 8 In 12 Slope, Add	87.04	

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses (06 17 53)

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0029	EA 10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	111.32	33.06
	For 3 In 12 Slope, Add	1.36	
	For 5 In 12 Slope, Add	3.62	
	For 6 In 12 Slope, Add	6.78	
	For 7 In 12 Slope, Add	9.04	
	For 8 In 12 Slope, Add	10.85	
	For 16" On Center Gable Studs, Add	9.04	
06 17 53 00-0030	EA 12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	125.22	36.20
	For 3 In 12 Slope, Add	1.58	
	For 5 In 12 Slope, Add	4.22	
	For 6 In 12 Slope, Add	7.92	
	For 7 In 12 Slope, Add	10.56	
	For 8 In 12 Slope, Add	12.67	
	For 16" On Center Gable Studs, Add	10.56	
06 17 53 00-0031	EA 14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	142.24	39.35
	For 3 In 12 Slope, Add	1.91	
	For 5 In 12 Slope, Add	5.08	
	For 6 In 12 Slope, Add	9.53	
	For 7 In 12 Slope, Add	12.71	
	For 8 In 12 Slope, Add	15.25	
	For 16" On Center Gable Studs, Add	12.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0032 EA 16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	167.56	42.50
For 3 In 12 Slope, Add	2.48	
For 5 In 12 Slope, Add	6.61	
For 6 In 12 Slope, Add	12.39	
For 7 In 12 Slope, Add	16.51	
For 8 In 12 Slope, Add	19.82	
For 16" On Center Gable Studs, Add	16.51	
06 17 53 00-0033 EA 18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	188.12	45.65
For 3 In 12 Slope, Add	2.90	
For 5 In 12 Slope, Add	7.75	
For 6 In 12 Slope, Add	14.52	
For 7 In 12 Slope, Add	19.37	
For 8 In 12 Slope, Add	23.24	
For 16" On Center Gable Studs, Add	19.37	
06 17 53 00-0034 EA 20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	202.62	50.37
For 3 In 12 Slope, Add	3.06	
For 5 In 12 Slope, Add	8.15	
For 6 In 12 Slope, Add	15.28	
For 7 In 12 Slope, Add	20.38	
For 8 In 12 Slope, Add	24.45	
For 16" On Center Gable Studs, Add	20.38	
06 17 53 00-0035 EA 22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	211.89	53.52
For 3 In 12 Slope, Add	3.15	
For 5 In 12 Slope, Add	8.39	
For 6 In 12 Slope, Add	15.73	
For 7 In 12 Slope, Add	20.97	
For 8 In 12 Slope, Add	25.17	
For 16" On Center Gable Studs, Add	20.97	
06 17 53 00-0036 EA 24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	227.06	56.67
For 3 In 12 Slope, Add	3.41	
For 5 In 12 Slope, Add	9.10	
For 6 In 12 Slope, Add	17.06	
For 7 In 12 Slope, Add	22.75	
For 8 In 12 Slope, Add	27.30	
For 16" On Center Gable Studs, Add	22.75	
06 17 53 00-0037 EA 26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	243.21	59.81
For 3 In 12 Slope, Add	3.71	
For 5 In 12 Slope, Add	9.89	
For 6 In 12 Slope, Add	18.54	
For 7 In 12 Slope, Add	24.72	
For 8 In 12 Slope, Add	29.66	
For 16" On Center Gable Studs, Add	24.72	
06 17 53 00-0038 EA 28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	260.66	62.96
For 3 In 12 Slope, Add	4.04	
For 5 In 12 Slope, Add	10.78	
For 6 In 12 Slope, Add	20.21	
For 7 In 12 Slope, Add	26.95	
For 8 In 12 Slope, Add	32.34	
For 16" On Center Gable Studs, Add	26.95	
06 17 53 00-0039 EA 30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	272.40	66.11
For 3 In 12 Slope, Add	4.21	
For 5 In 12 Slope, Add	11.22	
For 6 In 12 Slope, Add	21.03	
For 7 In 12 Slope, Add	28.04	
For 8 In 12 Slope, Add	33.65	
For 16" On Center Gable Studs, Add	28.04	
06 17 53 00-0040 EA 32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	289.58	67.69
For 3 In 12 Slope, Add	4.63	
For 5 In 12 Slope, Add	12.34	
For 6 In 12 Slope, Add	23.13	
For 7 In 12 Slope, Add	30.84	
For 8 In 12 Slope, Add	37.01	
For 16" On Center Gable Studs, Add	30.84	
06 17 53 00-0041 EA 34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	326.56	70.83
For 3 In 12 Slope, Add	5.55	
For 5 In 12 Slope, Add	14.79	
For 6 In 12 Slope, Add	27.74	
For 7 In 12 Slope, Add	36.98	
For 8 In 12 Slope, Add	44.38	
For 16" On Center Gable Studs, Add	36.98	
06 17 53 00-0042 EA 36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	344.27	72.41
For 3 In 12 Slope, Add	5.98	
For 5 In 12 Slope, Add	15.96	
For 6 In 12 Slope, Add	29.92	
For 7 In 12 Slope, Add	39.89	
For 8 In 12 Slope, Add	47.87	
For 16" On Center Gable Studs, Add	39.89	
06 17 53 00-0043 EA 38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	364.18	75.56
For 3 In 12 Slope, Add	6.39	
For 5 In 12 Slope, Add	17.05	
For 6 In 12 Slope, Add	31.96	
For 7 In 12 Slope, Add	42.62	
For 8 In 12 Slope, Add	51.14	
For 16" On Center Gable Studs, Add	42.62	
06 17 53 00-0044 EA 40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	388.76	78.70
For 3 In 12 Slope, Add	6.94	
For 5 In 12 Slope, Add	18.51	
For 6 In 12 Slope, Add	34.70	
For 7 In 12 Slope, Add	46.27	
For 8 In 12 Slope, Add	55.53	
For 16" On Center Gable Studs, Add	46.27	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 17 53 00-0045	EA	42'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	443.97	81.85
			<i>For 3 In 12 Slope, Add</i>	8.41	
			<i>For 5 In 12 Slope, Add</i>	22.42	
			<i>For 6 In 12 Slope, Add</i>	42.04	
			<i>For 7 In 12 Slope, Add</i>	56.06	
			<i>For 8 In 12 Slope, Add</i>	67.27	
			<i>For 16" On Center Gable Studs, Add</i>	56.06	
06 17 53 00-0046	EA	44'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	497.87	84.99
			<i>For 3 In 12 Slope, Add</i>	9.84	
			<i>For 5 In 12 Slope, Add</i>	26.23	
			<i>For 6 In 12 Slope, Add</i>	49.18	
			<i>For 7 In 12 Slope, Add</i>	65.58	
			<i>For 8 In 12 Slope, Add</i>	78.69	
			<i>For 16" On Center Gable Studs, Add</i>	65.58	
06 17 53 00-0047	EA	46'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	514.73	88.14
			<i>For 3 In 12 Slope, Add</i>	10.15	
			<i>For 5 In 12 Slope, Add</i>	27.08	
			<i>For 6 In 12 Slope, Add</i>	50.77	
			<i>For 7 In 12 Slope, Add</i>	67.69	
			<i>For 8 In 12 Slope, Add</i>	81.23	
			<i>For 16" On Center Gable Studs, Add</i>	67.69	
06 17 53 00-0048	EA	48'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	544.34	91.29
			<i>For 3 In 12 Slope, Add</i>	10.85	
			<i>For 5 In 12 Slope, Add</i>	28.94	
			<i>For 6 In 12 Slope, Add</i>	54.26	
			<i>For 7 In 12 Slope, Add</i>	72.35	
			<i>For 8 In 12 Slope, Add</i>	86.82	
			<i>For 16" On Center Gable Studs, Add</i>	72.35	
06 17 53 00-0049	EA	50'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	604.00	94.43
			<i>For 3 In 12 Slope, Add</i>	12.45	
			<i>For 5 In 12 Slope, Add</i>	33.21	
			<i>For 6 In 12 Slope, Add</i>	62.27	
			<i>For 7 In 12 Slope, Add</i>	83.02	
			<i>For 8 In 12 Slope, Add</i>	99.63	
			<i>For 16" On Center Gable Studs, Add</i>	83.02	
06 17 53 00-0050	EA	52'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	615.82	97.58
			<i>For 3 In 12 Slope, Add</i>	12.62	
			<i>For 5 In 12 Slope, Add</i>	33.65	
			<i>For 6 In 12 Slope, Add</i>	63.10	
			<i>For 7 In 12 Slope, Add</i>	84.13	
			<i>For 8 In 12 Slope, Add</i>	100.96	
			<i>For 16" On Center Gable Studs, Add</i>	84.13	
06 17 53 00-0051	EA	54'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	639.30	99.16
			<i>For 3 In 12 Slope, Add</i>	13.23	
			<i>For 5 In 12 Slope, Add</i>	35.28	
			<i>For 6 In 12 Slope, Add</i>	66.15	
			<i>For 7 In 12 Slope, Add</i>	88.20	
			<i>For 8 In 12 Slope, Add</i>	105.84	
			<i>For 16" On Center Gable Studs, Add</i>	88.20	
06 17 53 00-0052	EA	56'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	667.26	102.30
			<i>For 3 In 12 Slope, Add</i>	13.88	
			<i>For 5 In 12 Slope, Add</i>	37.01	
			<i>For 6 In 12 Slope, Add</i>	69.40	
			<i>For 7 In 12 Slope, Add</i>	92.53	
			<i>For 8 In 12 Slope, Add</i>	111.03	
			<i>For 16" On Center Gable Studs, Add</i>	92.53	
06 17 53 00-0053	EA	58'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	696.09	103.88
			<i>For 3 In 12 Slope, Add</i>	14.65	
			<i>For 5 In 12 Slope, Add</i>	39.07	
			<i>For 6 In 12 Slope, Add</i>	73.25	
			<i>For 7 In 12 Slope, Add</i>	97.66	
			<i>For 8 In 12 Slope, Add</i>	117.20	
			<i>For 16" On Center Gable Studs, Add</i>	97.66	
06 17 53 00-0054	EA	60'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	712.48	105.45
			<i>For 3 In 12 Slope, Add</i>	15.05	
			<i>For 5 In 12 Slope, Add</i>	40.12	
			<i>For 6 In 12 Slope, Add</i>	75.23	
			<i>For 7 In 12 Slope, Add</i>	100.31	
			<i>For 8 In 12 Slope, Add</i>	120.37	
			<i>For 16" On Center Gable Studs, Add</i>	100.31	

06 18 Glued-Laminated Construction (06 10)**06 18 13 Glued-Laminated Beams** (06 18)**06 18 13 00-0001 Glue Laminated Straight Beams** (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6"	Glue Laminated Straight Beam	6.87	1.20
06 18 13 00-0003	LF	3-1/2" x 7-1/2"	Glue Laminated Straight Beam	8.58	1.50
06 18 13 00-0004	LF	3-1/2" x 9"	Glue Laminated Straight Beam	10.29	1.80
06 18 13 00-0005	LF	3-1/2" x 9-1/2"	Glue Laminated Straight Beam	10.85	1.90
06 18 13 00-0006	LF	3-1/2" x 10-1/2"	Glue Laminated Straight Beam	12.01	2.10
06 18 13 00-0007	LF	3-1/2" x 12"	Glue Laminated Straight Beam	13.71	2.40
06 18 13 00-0008	LF	3-1/2" x 13-1/2"	Glue Laminated Straight Beam	15.44	2.70
06 18 13 00-0009	LF	3-1/2" x 14"	Glue Laminated Straight Beam	16.01	2.80
06 18 13 00-0010	LF	3-1/2" x 15"	Glue Laminated Straight Beam	17.15	3.00
06 18 13 00-0011	LF	3-1/2" x 16"	Glue Laminated Straight Beam	18.28	3.20
06 18 13 00-0012	LF	3-1/2" x 16-1/2"	Glue Laminated Straight Beam	18.86	3.30
06 18 13 00-0013	LF	3-1/2" x 18"	Glue Laminated Straight Beam	20.57	3.60



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0014	LF		3-1/2" x 19-1/2" Glue Laminated Straight Beam	22.30	3.90
06 18 13 00-0015	LF		3-1/2" x 21" Glue Laminated Straight Beam	24.00	4.21
06 18 13 00-0016	LF		3-1/2" x 22.5" Glue Laminated Straight Beam	25.73	4.51
06 18 13 00-0017	LF		5-1/2" x 6" Glue Laminated Straight Beam	10.78	1.89
06 18 13 00-0018	LF		5-1/2" x 7-1/2" Glue Laminated Straight Beam	13.48	2.36
06 18 13 00-0019	LF		5-1/2" x 9" Glue Laminated Straight Beam	16.17	2.83
06 18 13 00-0020	LF		5-1/2" x 9-1/2" Glue Laminated Straight Beam	17.07	2.99
06 18 13 00-0021	LF		5-1/2" x 10-1/2" Glue Laminated Straight Beam	18.86	3.30
06 18 13 00-0022	LF		5-1/2" x 12" Glue Laminated Straight Beam	21.56	3.78
06 18 13 00-0023	LF		5-1/2" x 13-1/2" Glue Laminated Straight Beam	24.26	4.25
06 18 13 00-0024	LF		5-1/2" x 14" Glue Laminated Straight Beam	25.15	4.41
06 18 13 00-0025	LF		5-1/2" x 15" Glue Laminated Straight Beam	26.95	4.72
06 18 13 00-0026	LF		5-1/2" x 16" Glue Laminated Straight Beam	28.75	5.04
06 18 13 00-0027	LF		5-1/2" x 16-1/2" Glue Laminated Straight Beam	29.64	5.19
06 18 13 00-0028	LF		5-1/2" x 18" Glue Laminated Straight Beam	32.33	5.66
06 18 13 00-0029	LF		5-1/2" x 19-1/2" Glue Laminated Straight Beam	35.03	6.13
06 18 13 00-0030	LF		5-1/2" x 21" Glue Laminated Straight Beam	37.73	6.60
06 18 13 00-0031	LF		5-1/2" x 22.5" Glue Laminated Straight Beam	40.42	7.08
06 18 13 00-0032	LF		5-1/2" x 24" Glue Laminated Straight Beam	43.12	7.55
06 18 13 00-0033	LF		6-3/4" x 9" Glue Laminated Straight Beam	19.84	3.48
06 18 13 00-0034	LF		6-3/4" x 9-1/2" Glue Laminated Straight Beam	20.94	3.67
06 18 13 00-0035	LF		6-3/4" x 10-1/2" Glue Laminated Straight Beam	23.15	4.06
06 18 13 00-0036	LF		6-3/4" x 12" Glue Laminated Straight Beam	26.46	4.63
06 18 13 00-0037	LF		6-3/4" x 13-1/2" Glue Laminated Straight Beam	29.77	5.21
06 18 13 00-0038	LF		6-3/4" x 14" Glue Laminated Straight Beam	30.86	5.40
06 18 13 00-0039	LF		6-3/4" x 15" Glue Laminated Straight Beam	33.07	5.79
06 18 13 00-0040	LF		6-3/4" x 16" Glue Laminated Straight Beam	35.27	6.17
06 18 13 00-0041	LF		6-3/4" x 16-1/2" Glue Laminated Straight Beam	36.38	6.37
06 18 13 00-0042	LF		6-3/4" x 18" Glue Laminated Straight Beam	39.68	6.95
06 18 13 00-0043	LF		6-3/4" x 19-1/2" Glue Laminated Straight Beam	42.99	7.53
06 18 13 00-0044	LF		6-3/4" x 21" Glue Laminated Straight Beam	46.30	8.10
06 18 13 00-0045	LF		6-3/4" x 22.5" Glue Laminated Straight Beam	49.60	8.69
06 18 13 00-0046	LF		6-3/4" x 24" Glue Laminated Straight Beam	52.91	9.27
06 18 13 00-0047	LF		8-3/4" x 9" Glue Laminated Straight Beam	25.73	4.51
06 18 13 00-0048	LF		8-3/4" x 9-1/2" Glue Laminated Straight Beam	27.15	4.75
06 18 13 00-0049	LF		8-3/4" x 10-1/2" Glue Laminated Straight Beam	30.01	5.25
06 18 13 00-0050	LF		8-3/4" x 12" Glue Laminated Straight Beam	34.28	6.01
06 18 13 00-0051	LF		8-3/4" x 13-1/2" Glue Laminated Straight Beam	38.58	6.75
06 18 13 00-0052	LF		8-3/4" x 14" Glue Laminated Straight Beam	40.01	7.00
06 18 13 00-0053	LF		8-3/4" x 15" Glue Laminated Straight Beam	42.87	7.51
06 18 13 00-0054	LF		8-3/4" x 16" Glue Laminated Straight Beam	45.73	8.01
06 18 13 00-0055	LF		8-3/4" x 16-1/2" Glue Laminated Straight Beam	47.16	8.25
06 18 13 00-0056	LF		8-3/4" x 18" Glue Laminated Straight Beam	51.45	9.01
06 18 13 00-0057	LF		8-3/4" x 19-1/2" Glue Laminated Straight Beam	55.74	9.75
06 18 13 00-0058	LF		8-3/4" x 21" Glue Laminated Straight Beam	60.01	10.51
06 18 13 00-0059	LF		8-3/4" x 22.5" Glue Laminated Straight Beam	64.30	11.26
06 18 13 00-0060	LF		8-3/4" x 24" Glue Laminated Straight Beam	68.60	12.00

06 18 13 00-0061			Glue Laminated Decking <small>(06 18 13)</small>		
06 18 13 00-0062	LF		2" - 4" Thick x 4" Wide Glue Laminated Decking	3.34	0.68
06 18 13 00-0063	LF		2" - 4" Thick x 6" Wide Glue Laminated Decking	3.37	0.68
06 18 13 00-0064	LF		2" - 4" Thick x 8" Wide Glue Laminated Decking	3.36	0.64

06 18 16 Glued-Laminated Columns (06 18)

06 18 16 00-0001			Glue Laminated Structural Units <small>(06 18 16)</small>		
Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.					
06 18 16 00-0002	LF		3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	10.94	1.38
06 18 16 00-0003	LF		3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	12.35	1.54
06 18 16 00-0004	LF		5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	22.23	3.28
06 18 16 00-0005	LF		5-1/4" x 13" Glue Laminated Purlin Or Column	24.82	3.43

06 20 Finish Carpentry (06)

06 22 Millwork (06 20)

06 22 13 Standard Pattern Wood Trim (06 22)

06 22 13 00-0001			Pine Moldings (All Dimensions Are Nominal) <small>(06 22 13)</small>		
06 22 13 00-0002	LF		1/4" x 1-1/4" Wood Lattice Strip	1.03	0.38
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.14
06 22 13 00-0003	LF		1/4" x 1-5/8" Wood Lattice Strip	1.07	0.31
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.14
06 22 13 00-0004	LF		1/4" x 2-1/2" Wood Lattice Strip	1.33	0.31
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.14
06 22 13 00-0005	LF		1/4" x 3-1/2" Wood Lattice Strip	1.48	0.31
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.14

06 22 13 00-0006			Ceilings (All Dimensions Are Nominal) <small>(06 22 13)</small>		
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06 Wood, Plastics, and Composites**06 20 Finish Carpentry****06 22 Millwork**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22	13 00-0007		White Pine <small>(06 22 13 00-0006)</small>		
06 22	13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding.....	4.64	1.36
			For Birch, Add	0.97	
			For Mahogany, Oak, Maple Or Walnut, Add	1.41	
			For Poplar, Add	0.54	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.45	
			For Stain Grade Material (No Finger Joints), Add	0.35	
06 22	13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding.....	6.19	1.63
			For Birch, Add	1.39	
			For Mahogany, Oak, Maple Or Walnut, Add	1.97	
			For Poplar, Add	0.77	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.54	
			For Stain Grade Material (No Finger Joints), Add	0.50	
06 22	13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding.....	2.35	0.93
			For Birch, Add	0.29	
			For Mahogany, Oak, Maple Or Walnut, Add	0.52	
			For Poplar, Add	0.16	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
			For Stain Grade Material (No Finger Joints), Add	0.10	
06 22	13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding.....	2.65	0.93
			For Birch, Add	0.40	
			For Mahogany, Oak, Maple Or Walnut, Add	0.65	
			For Poplar, Add	0.22	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
			For Stain Grade Material (No Finger Joints), Add	0.14	
06 22	13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding.....	3.46	1.17
			For Birch, Add	0.55	
			For Mahogany, Oak, Maple Or Walnut, Add	0.88	
			For Poplar, Add	0.30	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.45	
			For Stain Grade Material (No Finger Joints), Add	0.20	
06 22	13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding.....	3.95	1.17
			For Birch, Add	0.72	
			For Mahogany, Oak, Maple Or Walnut, Add	1.10	
			For Poplar, Add	0.40	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.45	
			For Stain Grade Material (No Finger Joints), Add	0.26	
06 22	13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding.....	4.89	1.40
			For Birch, Add	0.92	
			For Mahogany, Oak, Maple Or Walnut, Add	1.39	
			For Poplar, Add	0.51	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.54	
			For Stain Grade Material (No Finger Joints), Add	0.33	
06 22	13 00-0015	LF	1" x 2" White Pine Dentil Molding.....	2.43	1.08
			For Birch, Add	0.32	
			For Mahogany, Oak, Maple Or Walnut, Add	0.55	
			For Poplar, Add	0.18	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
			For Stain Grade Material (No Finger Joints), Add	0.11	
06 22	13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding.....	2.04	0.82
			For Birch, Add	0.31	
			For Mahogany, Oak, Maple Or Walnut, Add	0.51	
			For Poplar, Add	0.17	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
			For Stain Grade Material (No Finger Joints), Add	0.11	
06 22	13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding.....	2.96	0.82
			For Birch, Add	0.64	
			For Mahogany, Oak, Maple Or Walnut, Add	0.92	
			For Poplar, Add	0.36	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
			For Stain Grade Material (No Finger Joints), Add	0.23	
06 22	13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding.....	1.22	0.47
			For Birch, Add	0.15	
			For Mahogany, Oak, Maple Or Walnut, Add	0.27	
			For Poplar, Add	0.08	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.19	
			For Stain Grade Material (No Finger Joints), Add	0.05	
06 22	13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding.....	1.32	0.47
			For Birch, Add	0.18	
			For Mahogany, Oak, Maple Or Walnut, Add	0.31	
			For Poplar, Add	0.10	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.19	
			For Stain Grade Material (No Finger Joints), Add	0.07	
06 22	13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding.....	1.75	0.59
			For Birch, Add	0.28	
			For Mahogany, Oak, Maple Or Walnut, Add	0.45	
			For Poplar, Add	0.16	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.22	
			For Stain Grade Material (No Finger Joints), Add	0.10	
06 22	13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding.....	1.75	0.59
			For Birch, Add	0.28	
			For Mahogany, Oak, Maple Or Walnut, Add	0.45	
			For Poplar, Add	0.16	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.22	
			For Stain Grade Material (No Finger Joints), Add	0.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0022	LF		15/16" x 15/16" White Pine Cove Molding	2.21	0.59
			<i>For Birch, Add</i>	0.45	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.66	
			<i>For Poplar, Add</i>	0.25	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.22	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.16	
06 22 13 00-0023	LF		7-1/2" Wide Mullion Covers	13.60	0.70
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 22 13 00-0024	LF		Three Piece Mullion Trim, 2 Cove Moldings	17.16	0.70
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 22 13 00-0025			Cedar Trim <small>(06 22 13 00-0006)</small>		
06 22 13 00-0026	LF		2" x 4" Cedar Ceiling Trim	4.17	1.98
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.66	
06 22 13 00-0027			Oak Trim <small>(06 22 13 00-0006)</small>		
06 22 13 00-0028	LF		1" x 8" Clear Oak Ceiling Trim	4.28	1.81
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.61	
06 22 13 00-0029			Closet Poles <small>(06 22 13)</small>		
06 22 13 00-0030	LF		1-1/8" Diameter Pine Closet Poles.....	3.01	1.01
06 22 13 00-0031	LF		1-5/8" Diameter Pine Closet Poles.....	4.27	1.01
06 22 13 00-0032	LF		2" Diameter Pine Closet Poles.....	5.70	1.12

06 25 Prefinished Paneling (06 20)

06 25 16 Prefinished Plywood Paneling (06 25)

06 25 16 00-0001 Hardboard Panels (06 25 16)

Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels (06 25 16 00-0001)

06 25 16 00-0003	SF		1/4" Tempered Hardboard Panels	2.23	0.71
			<i>For Waterproof Glue, Add</i>	0.04	
			<i>For Ceiling Installation, Add</i>	0.49	
			<i>For Glue Laminated Installation, Add</i>	0.11	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.22	
			<i>For 1/2" Thick Paneling, Add</i>	0.52	
			<i>For 5/8" Thick Paneling, Add</i>	0.65	
			<i>For 3/4" Thick Paneling, Add</i>	0.82	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.48	
06 25 16 00-0004	SF		1/4" Plastic Faced Tempered Hardboard Panels.....	2.46	0.87
			<i>For Waterproof Glue, Add</i>	0.04	
			<i>For Ceiling Installation, Add</i>	0.57	
			<i>For Glue Laminated Installation, Add</i>	0.12	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.23	
			<i>For 1/2" Thick Paneling, Add</i>	0.53	
			<i>For 5/8" Thick Paneling, Add</i>	0.65	
			<i>For 3/4" Thick Paneling, Add</i>	0.80	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.44	
06 25 16 00-0005	SF		1/4" Pegboard Tempered Hardboard Panels.....	2.65	0.71
			<i>For Waterproof Glue, Add</i>	0.07	
			<i>For Ceiling Installation, Add</i>	0.49	
			<i>For Glue Laminated Installation, Add</i>	0.13	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.29	
			<i>For 1/2" Thick Paneling, Add</i>	0.75	
			<i>For 5/8" Thick Paneling, Add</i>	0.97	
			<i>For 3/4" Thick Paneling, Add</i>	1.25	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.81	
06 25 16 00-0006	SF		1/4" Plastic Faced Pegboard Tempered Hardboard	2.59	0.87
			<i>For Waterproof Glue, Add</i>	0.05	
			<i>For Ceiling Installation, Add</i>	0.57	
			<i>For Glue Laminated Installation, Add</i>	0.13	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.25	
			<i>For 1/2" Thick Paneling, Add</i>	0.60	
			<i>For 5/8" Thick Paneling, Add</i>	0.75	
			<i>For 3/4" Thick Paneling, Add</i>	0.93	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.55	

06 25 16 00-0007 Untempered Hardboard Panels (06 25 16 00-0001)

06 25 16 00-0008	SF		1/4" Untempered Hardboard Panels	2.10	0.71
			<i>For Waterproof Glue, Add</i>	0.03	
			<i>For Glue Laminated Installation, Add</i>	0.11	
			<i>For Lumber Core, Add</i>	0.05	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.38	

06 40 Architectural Woodwork (06)

06 41 Architectural Wood Casework (06 40)

06 41 13 Wood-Veneer-Faced Architectural Cabinets (06 41)

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork**

06 41 Architectural Wood Casework

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0001		Wood-Veneer Faced Cabinets <small>(06 41 13)</small> Note: AWI Custom Grade, good quality mill-made modular units, prefinished with solid hardwood face frames, hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs (1/8" vinyl laminated plywood), vinyl laminated cabinet interiors, vinyl laminated composition drawer bodies with nylon and metal guides. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves. Use appropriate modifiers for the following grades: Economy Grade - Cabinets with melamine laminated to particleboard, in textured colors or wood grain print finish; Premium Grade - Cabinets with solid hardwood fronts and frames, mitered corners and solid wood drawer bodies with steel guides and ball bearings; Laboratory Grade - Cabinets with chemical resistant finish on premium grade.		
06 41	13 00-0002		Base Cabinets <small>(06 41 13 00-0001)</small> Note: Excludes tops or finish.		
06 41	13 00-0003		Base Cabinets, Single Drawer And Single Door <small>(06 41 13 00-0002)</small>		
06 41	13 00-0004		Base Cabinets 34-1/2" High x 24" Deep <small>(06 41 13 00-0003)</small>		
06 41	13 00-0005	EA	Up To 15" Width, 34-1/2" High x 24" Deep Base Cabinet .....263.89 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 46.46 <i>For 3 Drawer Unit, Add</i> 92.91 <i>For 4 Drawer Unit, Add</i> 116.14 <i>For Economy Grade, Deduct</i> -92.91 <i>For Premium Grade, Add</i> 116.14 <i>For Laboratory Grade, Add</i> 150.98 <i>For Unfinished (Natural, Wood), Deduct</i> -34.84	22.17	
06 41	13 00-0006	EA	>15" To 18" Width, 34-1/2" High x 24" Deep Base Cabinet .....287.07 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 49.66 <i>For 3 Drawer Unit, Add</i> 99.32 <i>For 4 Drawer Unit, Add</i> 124.15 <i>For Economy Grade, Deduct</i> -99.32 <i>For Premium Grade, Add</i> 124.15 <i>For Laboratory Grade, Add</i> 161.40 <i>For Unfinished (Natural, Wood), Deduct</i> -37.25	27.23	
06 41	13 00-0007	EA	>18" To 21" Width, 34-1/2" High x 24" Deep Base Cabinet .....304.67 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 52.06 <i>For 3 Drawer Unit, Add</i> 104.13 <i>For 4 Drawer Unit, Add</i> 130.16 <i>For Economy Grade, Deduct</i> -104.13 <i>For Premium Grade, Add</i> 130.16 <i>For Laboratory Grade, Add</i> 169.21 <i>For Unfinished (Natural, Wood), Deduct</i> -39.05	31.12	
06 41	13 00-0008	EA	>21" To 24" Width, 34-1/2" High x 24" Deep Base Cabinet .....348.20 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 59.33 <i>For 3 Drawer Unit, Add</i> 118.66 <i>For 4 Drawer Unit, Add</i> 148.33 <i>For Economy Grade, Deduct</i> -118.66 <i>For Premium Grade, Add</i> 148.33 <i>For Laboratory Grade, Add</i> 192.83 <i>For Unfinished (Natural, Wood), Deduct</i> -44.50	36.18	
06 41	13 00-0009		Base Cabinets 30" High x 24" Deep <small>(06 41 13 00-0003)</small>		
06 41	13 00-0010	EA	Up To 15" Width, 30" High x 24" Deep Base Cabinet .....229.05 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 39.49 <i>For 3 Drawer Unit, Add</i> 78.98 <i>For 4 Drawer Unit, Add</i> 98.72 <i>For Economy Grade, Deduct</i> -78.98 <i>For Premium Grade, Add</i> 98.72 <i>For Laboratory Grade, Add</i> 128.34 <i>For Unfinished (Natural, Wood), Deduct</i> -29.62	22.17	
06 41	13 00-0011	EA	>15" To 18" Width, 30" High x 24" Deep Base Cabinet .....249.83 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 42.21 <i>For 3 Drawer Unit, Add</i> 84.42 <i>For 4 Drawer Unit, Add</i> 105.53 <i>For Economy Grade, Deduct</i> -84.42 <i>For Premium Grade, Add</i> 105.53 <i>For Laboratory Grade, Add</i> 137.19 <i>For Unfinished (Natural, Wood), Deduct</i> -31.66	27.23	
06 41	13 00-0012	EA	>18" To 21" Width, 30" High x 24" Deep Base Cabinet .....265.62 Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 44.25 <i>For 3 Drawer Unit, Add</i> 88.51 <i>For 4 Drawer Unit, Add</i> 110.64 <i>For Economy Grade, Deduct</i> -88.51 <i>For Premium Grade, Add</i> 110.64 <i>For Laboratory Grade, Add</i> 143.83 <i>For Unfinished (Natural, Wood), Deduct</i> -33.19	31.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0013	EA		>21" To 24" Width, 30" High x 24" Deep Base Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	303.70 50.43 100.86 126.08 -100.86 126.08 163.90 -37.82	35.79
06 41 13 00-0014			Base Cabinets 34-1/2" High x 24" Deep, Custom Built In Place (06 41 13 00-0003)		
06 41 13 00-0015	LF		Up To 15" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	225.50 37.17 74.33 92.92 -74.33 92.92 120.79 -27.87	27.62
06 41 13 00-0016	LF		>15" To 18" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	204.05 33.11 66.22 82.77 -66.22 82.77 107.60 -24.83	26.84
06 41 13 00-0017	LF		>18" To 24" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	186.10 29.75 59.50 74.38 -59.50 74.38 96.69 -22.31	26.06
06 41 13 00-0018	LF		>24" To 30" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	169.81 26.80 53.61 67.01 -53.61 67.01 87.11 -20.10	24.89
06 41 13 00-0019			Base Cabinets, Double Drawer And Double Door (06 41 13 00-0002)		
06 41 13 00-0020			34-1/2" High x 24" Deep (06 41 13 00-0019)		
06 41 13 00-0021	EA		24" To 27" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	409.27 69.95 -139.90 174.88 227.34 -52.46 34.98 -52.46	29.76
06 41 13 00-0022	EA		>27"-30" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	436.10 74.46 -148.92 186.16 242.00 -55.85 37.23 -55.85	31.90
06 41 13 00-0023	EA		>30"-33" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	455.15 77.96 -155.92 194.91 253.38 -58.47 38.98 -58.47	32.68

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0024	EA		>33"-36" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 80.10 <i>For Economy Grade, Deduct</i> -160.20 <i>For Premium Grade, Add</i> 200.25 <i>For Laboratory Grade, Add</i> 260.32 <i>For Unfinished (Natural, Wood), Deduct</i> -60.07 <i>For 3 Drawer Unit, Add</i> 40.05 <i>For Sink Base With Sink Front (No Drawer), Deduct</i> -60.07	467.40	33.45
06 41 13 00-0025	EA		>36"-42" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 85.44 <i>For Economy Grade, Deduct</i> -170.88 <i>For Premium Grade, Add</i> 213.60 <i>For Laboratory Grade, Add</i> 277.67 <i>For Unfinished (Natural, Wood), Deduct</i> -64.08 <i>For 3 Drawer Unit, Add</i> 42.72 <i>For Sink Base With Sink Front (No Drawer), Deduct</i> -64.08	499.54	36.18
06 41 13 00-0026	EA		>42"-48" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 89.44 <i>For Economy Grade, Deduct</i> -178.89 <i>For Premium Grade, Add</i> 223.61 <i>For Laboratory Grade, Add</i> 290.69 <i>For Unfinished (Natural, Wood), Deduct</i> -67.08 <i>For 3 Drawer Unit, Add</i> 44.72 <i>For Sink Base With Sink Front (No Drawer), Deduct</i> -67.08	528.91	40.84
06 41 13 00-0027			30" High x 24" Deep (06 41 13 00-0019)		
06 41 13 00-0028	EA		24" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 41.23 <i>For Economy Grade, Deduct</i> -82.46 <i>For Premium Grade, Add</i> 103.08 <i>For Laboratory Grade, Add</i> 134.00 <i>For Unfinished (Natural, Wood), Deduct</i> -30.92 <i>For 3 Drawer Unit, Add</i> 20.62 <i>For Sink Base With Sink Front (No Drawer), Deduct</i> -30.92	264.01	40.30
06 41 13 00-0029	EA		30" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 66.29 <i>For Economy Grade, Deduct</i> -132.58 <i>For Premium Grade, Add</i> 165.73 <i>For Laboratory Grade, Add</i> 215.44 <i>For Unfinished (Natural, Wood), Deduct</i> -49.72 <i>For 3 Drawer Unit, Add</i> 33.15 <i>For Sink Base With Sink Front (No Drawer), Deduct</i> -49.72	395.21	44.92
06 41 13 00-0030	EA		36" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 79.45 <i>For Economy Grade, Deduct</i> -158.90 <i>For Premium Grade, Add</i> 198.63 <i>For Laboratory Grade, Add</i> 258.22 <i>For Unfinished (Natural, Wood), Deduct</i> -59.59 <i>For 3 Drawer Unit, Add</i> 39.73 <i>For Sink Base With Sink Front (No Drawer), Deduct</i> -59.59	464.33	46.56
06 41 13 00-0031	EA		42" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 98.21 <i>For Economy Grade, Deduct</i> -196.42 <i>For Premium Grade, Add</i> 245.53 <i>For Laboratory Grade, Add</i> 319.18 <i>For Unfinished (Natural, Wood), Deduct</i> -73.66 <i>For 3 Drawer Unit, Add</i> 49.11 <i>For Sink Base With Sink Front (No Drawer), Deduct</i> -73.66	563.40	50.64
06 41 13 00-0032	EA		48" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> 111.61 <i>For Economy Grade, Deduct</i> -223.23 <i>For Premium Grade, Add</i> 279.04 <i>For Laboratory Grade, Add</i> 362.75 <i>For Unfinished (Natural, Wood), Deduct</i> -83.71 <i>For 3 Drawer Unit, Add</i> 55.81 <i>For Sink Base With Sink Front (No Drawer), Deduct</i> -83.71	639.76	57.18
06 41 13 00-0033			34-1/2" High x 24" Deep, Custom Built In Place (06 41 13 00-0019)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0034	LF	24" To 30" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	187.04 29.78 -59.57 74.46 96.80 -22.34 14.89 -22.34	26.84
06 41	13 00-0035	LF	>30" To 36" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	168.66 26.73 -53.46 66.83 86.87 -20.05 13.37 -20.05	24.51
06 41	13 00-0036	LF	>36" To 42" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	154.76 24.42 -48.83 61.04 79.35 -18.31 12.21 -18.31	22.95
06 41	13 00-0037	LF	>42" To 48" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	142.96 22.37 -44.74 55.92 72.70 -16.78 11.18 -16.78	21.78
06 41	13 00-0038		Vanity Bases (06 41 13 00-0002)		
06 41	13 00-0039	EA	30" High x 21" Deep x 24" Wide Vanity Bases, 2 Door..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	305.56 49.54 -99.08 123.86 161.01 -37.16	28.94
06 41	13 00-0040	EA	30" High x 21" Deep x 30" Wide Vanity Bases, 2 Door..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	348.55 56.96 -113.92 142.40 185.11 -42.72	32.21
06 41	13 00-0041	EA	30" High x 21" Deep x 36" Wide Vanity Bases, 2 Door..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	448.28 76.24 -152.48 190.61 247.79 -57.18	33.53
06 41	13 00-0042	EA	30" High x 21" Deep x 48" Wide Vanity Bases, 2 Door..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	534.06 90.48 -180.96 226.21 294.07 -67.86	40.84
06 41	13 00-0043		Wall Cabinets (06 41 13 00-0001)		
06 41	13 00-0044		Wall Cabinets 36" High x 13" Deep (06 41 13 00-0043)		
06 41	13 00-0045		Single Door Type Units (06 41 13 00-0044)		
06 41	13 00-0046	EA	Up To 15" Wide, 36" High x 13" Deep Single Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	215.43 -72.17 90.22 117.28 -27.06	28.00

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0047	EA		>15" To 18" Wide, 36" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	246.08 -84.13 105.17 136.71 -31.55	28.59
06 41 13 00-0048	EA		>18" To 24" Wide, 36" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	277.31 -96.12 120.15 156.19 -36.04	29.56
06 41 13 00-0049	EA		>24" To 30" Wide, 36" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	328.51 -115.34 144.18 187.43 -43.25	31.90
06 41 13 00-0050			Double Door Type Units (06 41 13 00-0044)		
06 41 13 00-0051	EA		Up To 24" Wide, 36" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	281.95 -96.26 120.33 156.42 -36.10	32.68
06 41 13 00-0052	EA		>24" To 30" Wide, 36" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	336.09 -116.62 145.78 189.51 -43.73	35.79
06 41 13 00-0053	EA		>30" To 36" Wide, 36" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	378.85 -133.28 166.61 216.59 -49.98	36.56
06 41 13 00-0054	EA		>36" To 42" Wide, 36" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	412.75 -146.10 182.63 237.41 -54.79	37.93
06 41 13 00-0055	EA		>42" To 48" Wide, 36" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	461.57 -164.68 205.85 267.61 -61.76	39.67
06 41 13 00-0056			Wall Cabinets 30" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0057			Single Door Type Units (06 41 13 00-0056)		
06 41 13 00-0058	EA		Up To 12" Wide, 30" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	169.49 -56.60 70.76 91.98 -21.23	22.12
06 41 13 00-0059	EA		>12" To 15" Wide, 30" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	194.71 -66.22 82.77 107.60 -24.83	23.08
06 41 13 00-0060	EA		>15" To 18" Wide, 30" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	212.70 -73.16 91.45 118.88 -27.43	23.56



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0061	EA		>18" To 24" Wide, 30" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	231.10 -80.10 100.13 130.16 -30.04	24.40
06 41 13 00-0062			Double Door Type Units (06 41 13 00-0056)		
06 41 13 00-0063	EA		Up To 27" Wide, 30" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	257.12 -90.24 112.81 146.65 -33.84	24.92
06 41 13 00-0064	EA		>27" To 30" Wide, 30" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	275.24 -97.18 121.48 157.92 -36.44	25.54
06 41 13 00-0065	EA		>30" To 36" Wide, 30" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	310.73 -111.07 138.84 180.49 -41.65	26.15
06 41 13 00-0066	EA		>36" To 42" Wide, 30" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	338.21 -121.75 152.19 197.84 -45.66	26.77
06 41 13 00-0067	EA		>42" To 48" Wide, 30" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	377.32 -137.24 171.55 223.01 -51.46	27.07
06 41 13 00-0068			Wall Cabinets 24" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0069			Double Door Type Units (06 41 13 00-0068)		
06 41 13 00-0070	EA		Up To 24" Wide, 24" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	228.49 -81.17 101.46 131.90 -30.44	20.23
06 41 13 00-0071	EA		>24" To 30" Wide, 24" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	244.44 -87.04 108.80 141.44 -32.64	21.20
06 41 13 00-0072	EA		>30" To 36" Wide, 24" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	267.88 -96.12 120.15 156.19 -36.04	21.82
06 41 13 00-0073	EA		>36" To 42" Wide, 24" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	293.66 -106.26 132.83 172.68 -39.85	22.17
06 41 13 00-0074			Wall Cabinets 15" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0075			Double Door Type Units (06 41 13 00-0074)		
06 41 13 00-0076	EA		Up To 24" Wide, 15" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	202.70 -72.09 90.11 117.14 -27.03	17.77

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0077	EA		>24" To 30" Wide, 15" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	213.69 -75.83 94.79 123.22 -28.44	19.06
06 41 13 00-0078	EA		>30" To 36" Wide, 15" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	234.51 -82.77 103.46 134.50 -31.04	21.82
06 41 13 00-0079	EA		>36" To 42" Wide, 15" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	255.89 -91.31 114.14 148.38 -34.24	21.82
06 41 13 00-0080			Wall Cabinets 12" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0081	EA		18" to 30" Wide, 12" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	185.82 -64.61 80.77 104.99 -24.23	11.98
06 41 13 00-0082	EA		>36" Wide, 12" High x 13" Deep Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	217.34 -75.83 94.79 123.22 -28.44	8.98
06 41 13 00-0083			Wall Cabinets 36" High x 13" Deep, Custom Built In Place (06 41 13 00-0043)		
06 41 13 00-0084			Single Door Type Units (06 41 13 00-0083)		
06 41 13 00-0085	LF		Up To 15" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	186.33 -57.73 72.17 93.81 -21.65	29.56
06 41 13 00-0086	LF		>15 To 18" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	176.01 -56.09 70.11 91.14 -21.03	24.89
06 41 13 00-0087	LF		>18 To 24" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	147.77 -48.06 60.08 78.10 -18.02	19.45
06 41 13 00-0088	LF		>24 To 30" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	139.52 -46.16 57.70 75.01 -17.31	16.73
06 41 13 00-0089			Double Door Type Units (06 41 13 00-0083)		
06 41 13 00-0090	LF		Up To 24" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	151.42 -48.12 60.15 78.20 -18.05	21.78
06 41 13 00-0091	LF		>24" To 30" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	143.04 -46.64 58.30 75.78 -17.49	18.68



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0092	LF		>30" To 36" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	134.02 -44.43 55.54 72.20 -16.66	15.95
06 41 13 00-0093	LF		>36" To 42" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	124.58 -41.74 52.18 67.83 -15.65	14.00
06 41 13 00-0094	LF		>42" To 48" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	121.62 -41.18 51.47 66.91 -15.44	13.22
06 41 13 00-0095			Accessories (06 41 13 00-0001) See CSI section 06 41 93 00-0001 for cabinet hardware, 08 71 00 00-0000 for cabinet hardware.		
06 41 13 00-0096	EA		Wall Corner Cabinet With Shelving..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	216.95 -47.92 59.90 77.86 -17.97	43.72
06 41 13 00-0097	EA		Wall Lazy Susan With Cabinet Enclosure..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	380.15 -120.97 151.21 196.57 -45.36	34.98
06 41 13 00-0098	EA		Base Lazy Susan With Cabinet Enclosure Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	485.95 -168.47 210.59 273.77 -63.18	29.15
06 41 13 00-0099	EA		Broom Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	535.96 -192.18 240.22 312.29 -72.07	24.99
06 41 13 00-0100	EA		Base Corner Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	216.13 -72.46 90.58 117.75 -27.17	17.48
06 41 13 00-0101	EA		Base Range Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	208.89 -71.90 89.87 116.83 -26.96	14.58
06 41 13 00-0102	EA		Double Oven Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	278.92 -97.58 121.97 158.56 -36.59	17.48
06 41 13 00-0103	EA		Microwave Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	190.23 -66.76 83.46 108.49 -25.04	11.66
06 41 13 00-0104	EA		30" Flipper Door And Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	226.30 -72.64 90.80 118.04 -27.24	22.35

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0105	EA	36" Flipper Door And Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	244.60 -79.96 99.95 129.94 -29.99	22.35
06 41	13 00-0106	EA	48" Flipper Door And Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	274.95 -92.10 115.13 149.66 -34.54	22.35
06 41	13 00-0107	EA	For Keyed Lock In Door Or Drawer.....	24.47	
06 41	13 00-0108	SET	Tamper-Proof Screw Sets Per Panel.....	6.83	
06 41 13 00-0109 Removal And Reinstallation Of Cabinet Or Counters (06 41 13)					
Note: Includes storage, cleaning and supply materials. Any height or width.					
06 41	13 00-0110	LF	Removal And Reinstallation Of Wood Base Cabinets.....	29.76	
06 41	13 00-0111	LF	Removal And Reinstallation Of Wall Cabinets.....	25.87	
06 41	13 00-0112	LF	Removal And Reinstallation Of Plastic Laminated Countertops	6.31	
06 41 93 Cabinet And Drawer Hardware (06 41)					
06 41 93 00-0001 Cabinet Hardware (06 41 93)					
Note: Includes all mounting screws.					
06 41	93 00-0002	EA	Hinges, Concealed, Steel, Full Or Half Overlay, Self Closing.....	11.62	3.89
06 41	93 00-0003	EA	Hinges, Semi Concealed, Brass.....	15.38	3.89
06 41	93 00-0004	EA	Pull Handles, Solid Brass.....	10.79	3.31
06 41	93 00-0005	EA	Pull Knobs, Solid Brass.....	9.55	2.52
06 41	93 00-0006	EA	Cabinet Ball And Catch.....	17.03	3.89
06 41	93 00-0007	EA	Cabinet Drawer Lock Square Style, Surface Mount.....	39.08	3.89
06 41	93 00-0008	EA	Cabinet Drawer Lock Square Style, Mortise Mount.....	69.54	5.83
06 41	93 00-0009	EA	Cabinet Drawer Lock For Hollow Metal Drawers.....	19.07	3.31
06 41	93 00-0010	EA	Door Catch.....	13.62	3.31
06 41	93 00-0011	EA	Surface Bolt, Solid Brass.....	24.05	3.31
06 42 Wood Paneling (06 42)					
Note: Includes glue for installation.					
06 42 13 Wood Board Paneling (06 42)					
06 42 13 00-0001 Solid Wood Paneling (06 42 13)					
06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide (06 42 13 00-0001)					
06 42	13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16".....	5.58	0.82
06 42	13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16".....	5.96	0.82
06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide (06 42 13 00-0001)					
06 42	13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16".....	6.13	0.78
06 42	13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16".....	5.62	0.78
06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide (06 42 13 00-0001)					
06 42	13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2".....	6.72	0.82
06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide (06 42 13 00-0001)					
06 42	13 00-0011	SF	1" Teredo (Driftwood) Wood Shiplap.....	3.98	0.70
06 42 16 Flush Wood Paneling (06 42)					
06 42 16 00-0001 Veneer Hardboard Panels (06 42 16)					
06 42	16 00-0002	SF	1/4" Veneer Paneling (Mapes)..... <i>For Waterproof Glue, Add</i> <i>For Ceiling Installation, Add</i>	2.59 0.07 0.49	0.71
06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick (06 42 16)					
06 42 16 00-0004 Birch (06 42 16 00-0003)					



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0005	SF	1/4"	Unfinished Birch Plywood, Natural Faced With Trim For Waterproof Glue, Add For Ceiling Installation, Add For Installation On Metal Studs Or Furring, Add For Glue Laminated Installation, Add For Lumber Core, Add For 1/8" Thick Paneling, Deduct For 1/2" Thick Paneling, Add For 5/8" Thick Paneling, Add For 3/4" Thick Paneling, Add For Fire Retardant Treatment (Class I), Add	2.57 0.08 0.43 0.16 0.13 0.13 -0.29 0.79 1.03 1.34 0.91	0.63
06 42 16 00-0006	SF	1/4"	Unfinished Birch Plywood, Select With Trim..... For Waterproof Glue, Add For Ceiling Installation, Add For Installation On Metal Studs Or Furring, Add For Glue Laminated Installation, Add For Lumber Core, Add For 1/8" Thick Paneling, Deduct For 1/2" Thick Paneling, Add For 5/8" Thick Paneling, Add For 3/4" Thick Paneling, Add For Fire Retardant Treatment (Class I), Add	2.65 0.09 0.43 0.16 0.13 0.14 -0.30 0.83 1.09 1.43 0.97	0.63
06 42 16 00-0007 Knotty Pine <small>(06 42 16 00-0003)</small>					
06 42 16 00-0008	SF	1/4"	Knotty Pine Plywood, Grade AA Unfinished With Trim..... For Waterproof Glue, Add For Ceiling Installation, Add For Installation On Metal Studs Or Furring, Add For Glue Laminated Installation, Add For Lumber Core, Add For 1/8" Thick Paneling, Deduct For 1/2" Thick Paneling, Add For 5/8" Thick Paneling, Add For 3/4" Thick Paneling, Add For Fire Retardant Treatment (Class I), Add	3.09 0.11 0.47 0.17 0.15 0.17 -0.36 1.01 1.32 1.73 1.19	0.71
06 42 16 00-0009	SF	1/4"	Knotty Pine Plywood, Grade AD Unfinished With Trim..... For Waterproof Glue, Add For Ceiling Installation, Add For Installation On Metal Studs Or Furring, Add For Glue Laminated Installation, Add For Lumber Core, Add For 1/8" Thick Paneling, Deduct For 1/2" Thick Paneling, Add For 5/8" Thick Paneling, Add For 3/4" Thick Paneling, Add For Fire Retardant Treatment (Class I), Add	3.03 0.10 0.47 0.17 0.15 0.16 -0.35 0.97 1.28 1.67 1.15	0.71
06 42 16 00-0010 Cedar (Aromatic - Closet Lining) <small>(06 42 16 00-0003)</small>					
06 42 16 00-0011	SF	1/4"	Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining..... For Waterproof Glue, Add For Ceiling Installation, Add For Installation On Metal Studs Or Furring, Add For Glue Laminated Installation, Add For Lumber Core, Add For 1/8" Thick Paneling, Deduct For 1/2" Thick Paneling, Add For 5/8" Thick Paneling, Add For 3/4" Thick Paneling, Add For Fire Retardant Treatment (Class I), Add	2.74 0.07 0.53 0.19 0.14 0.11 -0.29 0.74 0.94 1.20 0.77	0.79
06 42 16 00-0012	SF	1/4"	Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining..... For Waterproof Glue, Add For Ceiling Installation, Add For Installation On Metal Studs Or Furring, Add For Glue Laminated Installation, Add For Lumber Core, Add For 1/8" Thick Paneling, Deduct For 1/2" Thick Paneling, Add For 5/8" Thick Paneling, Add For 3/4" Thick Paneling, Add For Fire Retardant Treatment (Class I), Add	2.21 0.03 0.53 0.19 0.11 0.05 -0.20 0.45 0.54 0.66 0.35	0.79
06 42 16 00-0013 Top Grade Plywood Prefinished With Trim 1/4" Thick <small>(06 42 16)</small>					
06 42 16 00-0014	SF	1/4"	Top Grade Plywood, Birch Veneer Prefinished With Trim..... For Flitch Matched Veneer, Add For Second Grade Veneer, Deduct For Third Grade Veneer, Deduct For Waterproof Glue, Add For Ceiling Installation, Add For Installation On Metal Studs Or Furring, Add For Glue Laminated Installation, Add For Lumber Core, Add For 1/8" Thick Paneling, Deduct For 1/2" Thick Paneling, Add For 5/8" Thick Paneling, Add For 3/4" Thick Paneling, Add For Fire Retardant Treatment (Class I), Add	2.86 0.64 -0.13 -0.19 0.09 0.47 0.17 0.14 0.14 -0.32 0.88 1.15 1.50 1.01	0.71

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 42 16 00-0015	SF	1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim.....	3.43	0.71
		For Flitch Matched Veneer, Add	0.93	
		For Second Grade Veneer, Deduct	-0.19	
		For Third Grade Veneer, Deduct	-0.28	
		For Waterproof Glue, Add	0.13	
		For Ceiling Installation, Add	0.47	
		For Installation On Metal Studs Or Furring, Add	0.17	
		For Glue Laminated Installation, Add	0.17	
		For Lumber Core, Add	0.20	
		For 1/8" Thick Paneling, Deduct	-0.42	
		For 1/2" Thick Paneling, Add	1.19	
		For 5/8" Thick Paneling, Add	1.58	
		For 3/4" Thick Paneling, Add	2.08	
		For Fire Retardant Treatment (Class I), Add	1.46	
06 42 16 00-0016	SF	1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim.....	5.87	0.71
		For Flitch Matched Veneer, Add	1.99	
		For Second Grade Veneer, Deduct	-0.40	
		For Third Grade Veneer, Deduct	-0.60	
		For Waterproof Glue, Add	0.28	
		For Ceiling Installation, Add	0.57	
		For Installation On Metal Studs Or Furring, Add	0.21	
		For Glue Laminated Installation, Add	0.29	
		For Lumber Core, Add	0.44	
		For 1/8" Thick Paneling, Deduct	-0.80	
		For 1/2" Thick Paneling, Add	2.38	
		For 5/8" Thick Paneling, Add	3.21	
		For 3/4" Thick Paneling, Add	4.29	
		For Fire Retardant Treatment (Class I), Add	3.14	
06 42 16 00-0017	SF	1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim.....	2.27	0.71
		For Flitch Matched Veneer, Add	0.43	
		For Second Grade Veneer, Deduct	-0.09	
		For Third Grade Veneer, Deduct	-0.13	
		For Waterproof Glue, Add	0.06	
		For Ceiling Installation, Add	0.43	
		For Installation On Metal Studs Or Furring, Add	0.16	
		For Glue Laminated Installation, Add	0.11	
		For Lumber Core, Add	0.09	
		For 1/8" Thick Paneling, Deduct	-0.24	
		For 1/2" Thick Paneling, Add	0.63	
		For 5/8" Thick Paneling, Add	0.81	
		For 3/4" Thick Paneling, Add	1.04	
		For Fire Retardant Treatment (Class I), Add	0.67	
06 42 16 00-0018	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim.....	4.97	0.71
		For Flitch Matched Veneer, Add	1.60	
		For Second Grade Veneer, Deduct	-0.32	
		For Third Grade Veneer, Deduct	-0.48	
		For Waterproof Glue, Add	0.22	
		For Ceiling Installation, Add	0.53	
		For Installation On Metal Studs Or Furring, Add	0.19	
		For Glue Laminated Installation, Add	0.25	
		For Lumber Core, Add	0.35	
		For 1/8" Thick Paneling, Deduct	-0.66	
		For 1/2" Thick Paneling, Add	1.94	
		For 5/8" Thick Paneling, Add	2.61	
		For 3/4" Thick Paneling, Add	3.48	
		For Fire Retardant Treatment (Class I), Add	2.53	
06 42 16 00-0019	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim.....	3.00	0.71
		For Flitch Matched Veneer, Add	0.71	
		For Second Grade Veneer, Deduct	-0.14	
		For Third Grade Veneer, Deduct	-0.21	
		For Waterproof Glue, Add	0.10	
		For Ceiling Installation, Add	0.47	
		For Installation On Metal Studs Or Furring, Add	0.17	
		For Glue Laminated Installation, Add	0.15	
		For Lumber Core, Add	0.16	
		For 1/8" Thick Paneling, Deduct	-0.35	
		For 1/2" Thick Paneling, Add	0.96	
		For 5/8" Thick Paneling, Add	1.25	
		For 3/4" Thick Paneling, Add	1.64	
		For Fire Retardant Treatment (Class I), Add	1.12	
06 42 16 00-0020	SF	1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim.....	3.65	0.71
		For Flitch Matched Veneer, Add	0.94	
		For Second Grade Veneer, Deduct	-0.19	
		For Third Grade Veneer, Deduct	-0.28	
		For Waterproof Glue, Add	0.13	
		For Ceiling Installation, Add	0.53	
		For Installation On Metal Studs Or Furring, Add	0.19	
		For Glue Laminated Installation, Add	0.18	
		For Lumber Core, Add	0.21	
		For 1/8" Thick Paneling, Deduct	-0.44	
		For 1/2" Thick Paneling, Add	1.23	
		For 5/8" Thick Paneling, Add	1.62	
		For 3/4" Thick Paneling, Add	2.13	
		For Fire Retardant Treatment (Class I), Add	1.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0021	SF		1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim .....6.77		0.71
			<i>For Fitch Matched Veneer, Add</i>	2.27	
			<i>For Second Grade Veneer, Deduct</i>	-0.45	
			<i>For Third Grade Veneer, Deduct</i>	-0.68	
			<i>For Waterproof Glue, Add</i>	0.32	
			<i>For Ceiling Installation, Add</i>	0.67	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.25	
			<i>For Glue Laminated Installation, Add</i>	0.34	
			<i>For Lumber Core, Add</i>	0.50	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.91	
			<i>For 1/2" Thick Paneling, Add</i>	2.72	
			<i>For 5/8" Thick Paneling, Add</i>	3.67	
			<i>For 3/4" Thick Paneling, Add</i>	4.90	
			<i>For Fire Retardant Treatment (Class I), Add</i>	3.59	
06 42 16 00-0022	SF		1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim .....4.97		0.71
			<i>For Fitch Matched Veneer, Add</i>	1.60	
			<i>For Second Grade Veneer, Deduct</i>	-0.32	
			<i>For Third Grade Veneer, Deduct</i>	-0.48	
			<i>For Waterproof Glue, Add</i>	0.22	
			<i>For Ceiling Installation, Add</i>	0.53	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.19	
			<i>For Glue Laminated Installation, Add</i>	0.25	
			<i>For Lumber Core, Add</i>	0.35	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.66	
			<i>For 1/2" Thick Paneling, Add</i>	1.94	
			<i>For 5/8" Thick Paneling, Add</i>	2.61	
			<i>For 3/4" Thick Paneling, Add</i>	3.48	
			<i>For Fire Retardant Treatment (Class I), Add</i>	2.53	
06 42 16 00-0023	SF		1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim .....4.30		0.71
			<i>For Fitch Matched Veneer, Add</i>	1.36	
			<i>For Second Grade Veneer, Deduct</i>	-0.27	
			<i>For Third Grade Veneer, Deduct</i>	-0.41	
			<i>For Waterproof Glue, Add</i>	0.19	
			<i>For Ceiling Installation, Add</i>	0.47	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.17	
			<i>For Glue Laminated Installation, Add</i>	0.22	
			<i>For Lumber Core, Add</i>	0.30	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.56	
			<i>For 1/2" Thick Paneling, Add</i>	1.66	
			<i>For 5/8" Thick Paneling, Add</i>	2.23	
			<i>For 3/4" Thick Paneling, Add</i>	2.96	
			<i>For Fire Retardant Treatment (Class I), Add</i>	2.15	
06 42 16 00-0024	SF		1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim .....3.03		0.71
			<i>For Fitch Matched Veneer, Add</i>	0.73	
			<i>For Second Grade Veneer, Deduct</i>	-0.15	
			<i>For Third Grade Veneer, Deduct</i>	-0.22	
			<i>For Waterproof Glue, Add</i>	0.10	
			<i>For Ceiling Installation, Add</i>	0.47	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.17	
			<i>For Glue Laminated Installation, Add</i>	0.15	
			<i>For Lumber Core, Add</i>	0.16	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.35	
			<i>For 1/2" Thick Paneling, Add</i>	0.97	
			<i>For 5/8" Thick Paneling, Add</i>	1.28	
			<i>For 3/4" Thick Paneling, Add</i>	1.67	
			<i>For Fire Retardant Treatment (Class I), Add</i>	1.15	
06 42 16 00-0025			Accessories (06 42 16)		
06 42 16 00-0026	EA		Aluminum Panel Retainer "J" With Bolt.....12.01		
06 42 19			Plastic-Laminate-Faced Wood Paneling (06 42)		
06 42 19 00-0001			Plastic Laminate (06 42 19)		
			Note: Standard colors and patterns.		
06 42 19 00-0002	SF		1/16" Plastic Laminate Faced Panel .....4.98		1.36
			Note: Includes cutting to fit.		
06 43			Wood Stairs And Railings (06 40)		
06 43 13			Wood Stairs (06 43)		
06 43 13 00-0001			Stair Parts (06 43 13)		
06 43 13 00-0002	EA		30" Baluster, Pine .....18.24		7.89
06 43 13 00-0003	EA		30" Baluster, Birch .....21.22		7.89
06 43 13 00-0004	EA		42" Baluster, Pine .....20.42		8.16
06 43 13 00-0005	EA		42" Baluster, Birch .....23.60		8.16
06 43 13 00-0006	EA		3-1/4" Wide Newels, Starting .....104.03		31.02
06 43 13 00-0007	EA		3-1/4" Wide Newels, Landing .....151.76		43.53
06 43 13 00-0008	LF		Oak Gooseneck, 1 Riser .....64.61		27.21
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.93	
06 43 13 00-0009	LF		Oak Gooseneck, 2 Riser .....75.19		29.88
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.82	
06 43 13 00-0010	LF		Oak Handrail, 2-1/2" x 3" With Quarter Turn .....12.76		4.08
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 43 13 00-0011	LF		1-1/16" x 9-1/2" Oak Stair Tread .....16.11		2.29
			<i>For Beech, Add</i>	3.47	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.05	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 43 Wood Stairs And Railings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread.....	19.39	2.29
		<i>For Beech, Add</i>	4.45	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.05	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread.....	9.22	2.29
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.05	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser.....	12.32	2.37
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser.....	11.63	2.37
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser.....	7.15	2.37
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser.....	6.93	2.37
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing.....	14.89	

06 43 13 00-0019 Interior Box Stairs (06 43 13)

Note: Factory cut and assembled straight closed box stairs, unfinished.

06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser.....	90.36	23.66
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.78	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	54.14	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.23	
		<i>For Oak Or Maple Treads, Add</i>	25.45	
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser.....	95.57	24.21
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.95	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	54.37	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.32	
		<i>For Oak Or Maple Treads, Add</i>	27.45	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser.....	100.43	24.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.05	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	54.49	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.37	
		<i>For Oak Or Maple Treads, Add</i>	29.45	
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser.....	106.03	24.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.13	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	54.61	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.42	
		<i>For Oak Or Maple Treads, Add</i>	31.81	
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser.....	109.38	25.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.22	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	54.73	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.47	
		<i>For Oak Or Maple Treads, Add</i>	33.13	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser.....	113.11	25.57
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.40	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	54.96	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.57	
		<i>For Oak Or Maple Treads, Add</i>	34.46	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser.....	116.45	25.84
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.49	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	55.08	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.62	
		<i>For Oak Or Maple Treads, Add</i>	35.79	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser.....	119.79	26.12
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.58	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	55.19	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.66	
		<i>For Oak Or Maple Treads, Add</i>	37.12	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser.....	123.12	26.39
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.67	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	55.30	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.71	
		<i>For Oak Or Maple Treads, Add</i>	38.45	
06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser.....	127.22	27.21
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.94	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	55.66	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.86	
		<i>For Oak Or Maple Treads, Add</i>	39.76	

06 43 16 Wood Railings (06 43)**06 43 16 00-0001 Handrails** (06 43 16)**06 43 16 00-0002 Wood Handrail With Brackets** (06 43 16 00-0001)

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

06 43 16 00-0003	LF	1-1/2" x 1-11/16", Wood Handrail With Brackets.....	8.06	1.94
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.89	
06 43 16 00-0004	LF	1-7/8" x 2-5/8", Wood Handrail With Brackets.....	8.89	1.94
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.89	
06 43 16 00-0005	LF	1-1/2" Diameter, Wood Handrail With Brackets.....	11.70	1.94
06 43 16 00-0006	LF	1-3/4" Diameter, Wood Handrail With Brackets.....	12.39	1.94
06 43 16 00-0007	LF	2" Diameter, Wood Handrail With Brackets.....	14.91	1.94
06 43 16 00-0008	LF	2-1/2" Diameter, Wood Handrail With Brackets.....	22.69	1.94

06 44 Ornamental Woodwork (06 40)**06 44 39 Wood Posts And Columns** (06 44)



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

06 44 39 00-0001

Columns (06 44 39)

06 44 39 00-0002

Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)

Note: Paint grade/finger jointed pine.

Table with columns for item number, description, and cost. Includes items like 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.

06 44 39 00-0019

Pine Colonial Columns, Round Non Tapered With Cap And Base (06 44 39 00-0001)

Note: Paint grade/finger jointed pine.

Table with columns for item number, description, and cost. Includes items like 6" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.

06 44 39 00-0036

Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001)

Note: Paint grade/finger jointed pine.

Table with columns for item number, description, and cost. Includes items like 6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.

06 44 39 00-0045

Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)

Note: Paint grade/finger jointed redwood.

Table with columns for item number, description, and cost. Includes items like 6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.

06 44 39 00-0054

Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001)

Note: For tapered wood columns.

Table with columns for item number, description, and cost. Includes items like 6" Resin Corinthian Capital And Base.

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 44 Ornamental Woodwork**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base.....	169.30	7.19
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base.....	223.34	8.39
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base.....	276.14	9.59

06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001)

Note: For tapered wood columns.

06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base.....	230.56	6.48
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base.....	259.05	7.19
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base.....	329.06	8.39
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base.....	362.20	9.59
06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base.....	154.34	6.48
06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base.....	179.14	7.19
06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base.....	220.88	8.39
06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base.....	277.37	9.59
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base.....	148.66	6.72
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base.....	193.89	7.19
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base.....	234.40	8.39
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base.....	277.37	9.59
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base.....	175.71	6.72
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base.....	232.00	7.19
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base.....	261.45	8.39
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base.....	331.46	9.59
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base.....	148.66	6.72
06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base.....	191.43	7.19
06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base.....	249.15	8.39
06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base.....	317.94	9.59
06 44 39 00-0096	EA	6" Plaster Empire Capital And Base.....	167.10	6.72
06 44 39 00-0097	EA	8" Plaster Empire Capital And Base.....	203.72	7.19
06 44 39 00-0098	EA	10" Plaster Empire Capital And Base.....	247.92	8.39
06 44 39 00-0099	EA	12" Plaster Empire Capital And Base.....	277.37	9.59

06 46 Wood Trim (06 40)**06 46 13 Wood Door and Window Casings** (06 46)**06 46 13 00-0001 Door and Window Casings** (06 46 13)

06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding.....	1.76	0.62
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding.....	1.78	0.62
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim.....	2.18	0.62
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	

06 46 19 Wood Base And Shoe Moldings (06 46)**06 46 19 00-0001 Base And Shoe Molding** (06 46 19)

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim.....	1.85	0.74
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim.....	1.96	0.74
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	2.28	0.47
		<i>For Clear Birch, Add</i>	0.23	
		<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	0.48	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.13	
		<i>For Clear Poplar, Add</i>	0.15	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	2.78	0.59
		<i>For Clear Birch, Add</i>	0.27	
		<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	0.57	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.15	
		<i>For Clear Poplar, Add</i>	0.17	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	3.44	0.66
		<i>For Clear Birch, Add</i>	0.42	
		<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	0.80	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.23	
		<i>For Clear Poplar, Add</i>	0.26	
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe.....	2.26	0.74
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe, Stain Grade.....	2.19	0.74
06 46 19 00-0009	LF	3/4" x 1" White Pine Base Shoe, Paint Grade.....	2.05	0.74

06 46 23 Wood Chair Rails (06 46)**06 46 23 00-0001 Chair Rails** (06 46 23)

06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail.....	2.75	0.70
		<i>For Birch, Add</i>	0.38	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.70	
		<i>For Poplar, Add</i>	0.24	
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail.....	3.36	0.70
		<i>For Birch, Add</i>	0.58	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.97	
		<i>For Poplar, Add</i>	0.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 23 00-0004	LF		1/2" x 1-5/8" White Pine Shaped Chair Rail.....	2.05	0.70
			<i>For Birch, Add</i>	0.28	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.51	
			<i>For Poplar, Add</i>	0.18	
06 46 26 Wood Cornices (06 46)					
06 46 26 00-0001			Wood Cornices (06 46 26)		
06 46 26 00-0002	LF		1" x 2" White Pine Cornices, All Dimensions Are Nominal.....	2.10	0.70
			<i>For Birch, Add</i>	0.20	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	0.40	
			<i>For Poplar, Add</i>	0.25	
06 46 26 00-0003	LF		1" x 4" White Pine Cornices, All Dimensions Are Nominal.....	2.61	0.74
			<i>For Birch, Add</i>	0.36	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	0.61	
			<i>For Poplar, Add</i>	0.45	
06 46 26 00-0004	LF		1" x 6" White Pine Cornices, All Dimensions Are Nominal.....	3.57	0.78
			<i>For Birch, Add</i>	0.68	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.02	
			<i>For Poplar, Add</i>	0.85	
06 46 26 00-0005	LF		1" x 8" White Pine Cornices, All Dimensions Are Nominal.....	4.10	0.78
			<i>For Birch, Add</i>	0.84	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.23	
			<i>For Poplar, Add</i>	1.05	
06 46 26 00-0006	LF		1" x 10" White Pine Cornices, All Dimensions Are Nominal.....	4.72	0.82
			<i>For Birch, Add</i>	1.03	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.48	
			<i>For Poplar, Add</i>	1.29	
06 46 26 00-0007	LF		1" x 12" White Pine Cornices, All Dimensions Are Nominal.....	6.03	0.89
			<i>For Birch, Add</i>	1.47	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	2.03	
			<i>For Poplar, Add</i>	1.84	
06 46 29 Wood Fasciae And Soffits (06 46)					
06 46 29 00-0001			Fascia Board (06 46 29)		
06 46 29 00-0002			Pine Fascia Board (06 46 29 00-0001)		
06 46 29 00-0003	LF		1" x 6" Pine Fascia Board.....	2.34	0.78
06 46 29 00-0004	LF		1" x 8" Pine Fascia Board.....	2.77	0.86
06 46 29 00-0005	LF		1" x 10" Pine Fascia Board.....	3.12	0.90
06 46 29 00-0006	LF		1" x 12" Pine Fascia Board.....	3.86	1.01
06 46 29 00-0007	LF		2" x 6" Pine Fascia Board.....	2.28	0.78
06 46 29 00-0008	LF		2" x 8" Pine Fascia Board.....	2.69	0.86
06 46 29 00-0009	LF		2" x 10" Pine Fascia Board.....	3.24	0.90
06 46 29 00-0010	LF		2" x 12" Pine Fascia Board.....	4.23	1.01
06 46 29 00-0011			Cedar Fascia Board (06 46 29 00-0001)		
06 46 29 00-0012	LF		1" x 6" Cedar Fascia Board.....	2.72	0.78
06 46 29 00-0013	LF		1" x 8" Cedar Fascia Board.....	3.36	0.86
06 46 29 00-0014	LF		1" x 10" Cedar Fascia Board.....	4.25	0.90
06 46 29 00-0015	LF		1" x 12" Cedar Fascia Board.....	5.46	1.01
06 46 29 00-0016			Engineered Wood Fascia Board (06 46 29 00-0001)		
06 46 29 00-0017	LF		1" x 6" Engineered Wood Fascia Board.....	2.12	0.78
06 46 29 00-0018	LF		1" x 8" Engineered Wood Fascia Board.....	2.48	0.86
06 46 29 00-0019	LF		1" x 12" Engineered Wood Fascia Board.....	3.18	1.01
06 46 29 00-0020			Soffit (06 46 29)		
06 46 29 00-0021			Sanded Plywood Soffit (06 46 29 00-0020)		
06 46 29 00-0022	SF		3/8" Thick, Sanded Plywood Soffit.....	2.18	0.59
06 46 29 00-0023	SF		1/2" Thick, Sanded Plywood Soffit.....	2.47	0.63
06 46 29 00-0024	SF		5/8" Thick, Sanded Plywood Soffit.....	2.59	0.65
06 46 29 00-0025	SF		3/4" Thick, Sanded Plywood Soffit.....	2.98	0.69
06 46 29 00-0026			MDO Plywood Soffit (06 46 29 00-0020)		
06 46 29 00-0027	SF		3/8" Thick, MDO Plywood Soffit.....	2.64	0.59
06 46 29 00-0028	SF		1/2" Thick, MDO Plywood Soffit.....	3.05	0.63
06 46 29 00-0029	SF		3/4" Thick, MDO Plywood Soffit.....	4.10	0.69
06 46 29 00-0030			Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0020)		
06 46 29 00-0031	SF		1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	1.46	0.52
06 46 29 00-0032	SF		5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit.....	1.61	0.55
06 46 36 Custom Wood Molding (06 46)					
Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.					
06 46 36 00-0001			Ash (06 46 36)		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Ash.....	2.60	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Ash.....	3.25	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Ash.....	3.92	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Ash.....	4.57	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Ash.....	5.28	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Ash.....	5.97	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Ash.....	6.63	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Ash.....	7.29	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Ash.....	7.94	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Ash.....	8.64	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Ash.....	9.32	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Ash.....	3.06	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Ash.....	3.92	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Ash.....	4.79	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Ash.....	5.65	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Ash.....	6.58	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Ash.....	7.48	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Ash.....	8.34	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Ash.....	9.21	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Ash.....	10.06	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Ash.....	10.98	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Ash.....	11.87	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	
06 46 36 00-0024	LF	1-1/4" x 1-1/2" Custom Shaped Ash.....	3.65	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
06 46 36 00-0025	LF	1-1/4" x 2-1/2" Custom Shaped Ash.....	4.78	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0026	LF	1-1/4" x 3-1/2" Custom Shaped Ash.....	5.92	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0027	LF	1-1/4" x 4-1/2" Custom Shaped Ash.....	7.07	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 46 36 00-0028	LF	1-1/4" x 5-1/2" Custom Shaped Ash.....	8.25	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
06 46 36 00-0029	LF	1-1/4" x 6-1/2" Custom Shaped Ash.....	9.43	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0030	LF	1-1/4" x 7-1/2" Custom Shaped Ash.....	10.57	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0031	LF	1-1/4" x 8-1/2" Custom Shaped Ash.....	11.72	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0032	LF	1-1/4" x 9-1/2" Custom Shaped Ash.....	12.84	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0033	LF	1-1/4" x 10-1/2" Custom Shaped Ash.....	14.04	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
06 46 36 00-0034	LF	1-1/4" x 11-1/2" Custom Shaped Ash.....	15.20	0.62
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	
06 46 36 00-0035	LF	1-1/2" x 1-1/2" Custom Shaped Ash.....	4.48	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0036	LF	1-1/2" x 2-1/2" Custom Shaped Ash.....	6.01	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0037	LF	1-1/2" x 3-1/2" Custom Shaped Ash.....	7.54	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 46 36 00-0038	LF	1-1/2" x 4-1/2" Custom Shaped Ash.....	9.08	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0039	LF	1-1/2" x 5-1/2" Custom Shaped Ash.....	10.62	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
06 46 36 00-0040	LF	1-1/2" x 6-1/2" Custom Shaped Ash.....	12.24	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0041	LF	1-1/2" x 7-1/2" Custom Shaped Ash.....	13.80	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0042	LF	1-1/2" x 8-1/2" Custom Shaped Ash.....	15.32	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0043	LF	1-1/2" x 9-1/2" Custom Shaped Ash.....	16.83	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0044	LF	1-1/2" x 10-1/2" Custom Shaped Ash.....	18.58	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	
06 46 36 00-0045	LF	1-1/2" x 11-1/2" Custom Shaped Ash.....	19.98	0.62
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0046			Basswood <small>(06 46 36)</small>		
06 46 36 00-0047	LF		3/4" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.19 0.32	0.43
06 46 36 00-0048	LF		3/4" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.64 0.32	0.43
06 46 36 00-0049	LF		3/4" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.10 0.34	0.43
06 46 36 00-0050	LF		3/4" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.55 0.35	0.47
06 46 36 00-0051	LF		3/4" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.05 0.37	0.47
06 46 36 00-0052	LF		3/4" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.54 0.38	0.51
06 46 36 00-0053	LF		3/4" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.99 0.39	0.51
06 46 36 00-0054	LF		3/4" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.45 0.40	0.55
06 46 36 00-0055	LF		3/4" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.89 0.41	0.55
06 46 36 00-0056	LF		3/4" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.39 0.43	0.59
06 46 36 00-0057	LF		3/4" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.86 0.45	0.59
06 46 36 00-0058	LF		1" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.48 0.32	0.43
06 46 36 00-0059	LF		1" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.05 0.33	0.43
06 46 36 00-0060	LF		1" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.62 0.35	0.47
06 46 36 00-0061	LF		1" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.19 0.35	0.47
06 46 36 00-0062	LF		1" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.82 0.37	0.51
06 46 36 00-0063	LF		1" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.43 0.39	0.51
06 46 36 00-0064	LF		1" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.99 0.40	0.55
06 46 36 00-0065	LF		1" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.57 0.41	0.55
06 46 36 00-0066	LF		1" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.13 0.42	0.55
06 46 36 00-0067	LF		1" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.76 0.44	0.59
06 46 36 00-0068	LF		1" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.36 0.46	0.59
06 46 36 00-0069	LF		1-1/2" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.32 0.33	0.43
06 46 36 00-0070	LF		1-1/2" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.30 0.34	0.43
06 46 36 00-0071	LF		1-1/2" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.28 0.35	0.47
06 46 36 00-0072	LF		1-1/2" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.26 0.36	0.47
06 46 36 00-0073	LF		1-1/2" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.28 0.38	0.51
06 46 36 00-0074	LF		1-1/2" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.31 0.40	0.55
06 46 36 00-0075	LF		1-1/2" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.28 0.41	0.55
06 46 36 00-0076	LF		1-1/2" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.27 0.42	0.55
06 46 36 00-0077	LF		1-1/2" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.23 0.43	0.55
06 46 36 00-0078	LF		1-1/2" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.27 0.45	0.59
06 46 36 00-0079	LF		1-1/2" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.27 0.47	0.62
06 46 36 00-0080	LF		3-1/2" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.44 0.38	0.51
06 46 36 00-0081	LF		3-1/2" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.21 0.40	0.51
06 46 36 00-0082	LF		3-1/2" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.95 0.41	0.55
06 46 36 00-0083	LF		3-1/2" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.75 0.44	0.59
06 46 36 00-0084	LF		3-1/2" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.48 0.45	0.59
06 46 36 00-0085	LF		3-1/2" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.29 0.46	0.62
06 46 36 00-0086	LF		3-1/2" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.99 0.47	0.62
06 46 36 00-0087	LF		3-1/2" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.72 0.48	0.62
06 46 36 00-0088	LF		3-1/2" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.54 0.51	0.66



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0089			Birch <small>(06-46 36)</small>		
06 46 36 00-0090	LF		3/4" x 1-1/2" Custom Shaped Birch.....	2.34	0.43
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 46 36 00-0091	LF		3/4" x 2-1/2" Custom Shaped Birch.....	2.86	0.43
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 46 36 00-0092	LF		3/4" x 3-1/2" Custom Shaped Birch.....	3.39	0.43
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0093	LF		3/4" x 4-1/2" Custom Shaped Birch.....	3.91	0.47
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0094	LF		3/4" x 5-1/2" Custom Shaped Birch.....	4.49	0.47
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0095	LF		3/4" x 6-1/2" Custom Shaped Birch.....	5.05	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
06 46 36 00-0096	LF		3/4" x 7-1/2" Custom Shaped Birch.....	5.57	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 46 36 00-0097	LF		3/4" x 8-1/2" Custom Shaped Birch.....	6.11	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0098	LF		3/4" x 9-1/2" Custom Shaped Birch.....	6.62	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0099	LF		3/4" x 10-1/2" Custom Shaped Birch.....	7.19	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0100	LF		3/4" x 11-1/2" Custom Shaped Birch.....	7.74	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
06 46 36 00-0101	LF		1" x 1-1/2" Custom Shaped Birch.....	2.70	0.43
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 46 36 00-0102	LF		1" x 2-1/2" Custom Shaped Birch.....	3.37	0.43
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
06 46 36 00-0103	LF		1" x 3-1/2" Custom Shaped Birch.....	4.06	0.47
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0104	LF		1" x 4-1/2" Custom Shaped Birch.....	4.75	0.47
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0105	LF		1" x 5-1/2" Custom Shaped Birch.....	5.48	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0106	LF		1" x 6-1/2" Custom Shaped Birch.....	6.19	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 46 36 00-0107	LF		1" x 7-1/2" Custom Shaped Birch.....	6.87	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0108	LF		1" x 8-1/2" Custom Shaped Birch.....	7.57	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0109	LF		1" x 9-1/2" Custom Shaped Birch.....	8.23	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0110	LF		1" x 10-1/2" Custom Shaped Birch.....	8.96	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0111	LF		1" x 11-1/2" Custom Shaped Birch.....	9.67	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	
06 46 36 00-0112	LF		1-1/4" x 1-1/2" Custom Shaped Birch.....	3.12	0.43
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
06 46 36 00-0113	LF		1-1/4" x 2-1/2" Custom Shaped Birch.....	3.99	0.43
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0114	LF		1-1/4" x 3-1/2" Custom Shaped Birch.....	4.87	0.47
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0115	LF		1-1/4" x 4-1/2" Custom Shaped Birch.....	5.75	0.47
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 46 36 00-0116	LF		1-1/4" x 5-1/2" Custom Shaped Birch.....	6.67	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
06 46 36 00-0117	LF		1-1/4" x 6-1/2" Custom Shaped Birch.....	7.59	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0118	LF		1-1/4" x 7-1/2" Custom Shaped Birch.....	8.46	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0119	LF		1-1/4" x 8-1/2" Custom Shaped Birch.....	9.35	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0120	LF		1-1/4" x 9-1/2" Custom Shaped Birch.....	10.20	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0121	LF		1-1/4" x 10-1/2" Custom Shaped Birch.....	11.15	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
06 46 36 00-0122	LF		1-1/4" x 11-1/2" Custom Shaped Birch.....	12.04	0.62
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	
06 46 36 00-0123	LF		1-1/2" x 1-1/2" Custom Shaped Birch.....	3.77	0.43
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0124	LF		1-1/2" x 2-1/2" Custom Shaped Birch.....	4.95	0.47
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0125	LF		1-1/2" x 3-1/2" Custom Shaped Birch.....	6.14	0.47
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 46 36 00-0126	LF		1-1/2" x 4-1/2" Custom Shaped Birch.....	7.33	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0127	LF		1-1/2" x 5-1/2" Custom Shaped Birch.....	8.51	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
06 46 36 00-0128	LF		1-1/2" x 6-1/2" Custom Shaped Birch.....	9.78	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0129	LF		1-1/2" x 7-1/2" Custom Shaped Birch.....	10.96	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0130	LF		1-1/2" x 8-1/2" Custom Shaped Birch.....	12.15	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0131	LF		1-1/2" x 9-1/2" Custom Shaped Birch.....	13.32	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0132 LF 1-1/2" x 10-1/2" Custom Shaped Birch For Curved Surfaces With A 2'-0" Maximum Radius, Add	14.71 0.46	0.59
06 46 36 00-0133 LF 1-1/2" x 11-1/2" Custom Shaped Birch For Curved Surfaces With A 2'-0" Maximum Radius, Add	15.77 0.48	0.62
06 46 36 00-0134 Clear Western Cedar (06 46 36)		
06 46 36 00-0135 LF 3/4" x 1-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.34 0.32	0.43
06 46 36 00-0136 LF 3/4" x 2-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.86 0.32	0.43
06 46 36 00-0137 LF 3/4" x 3-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.39 0.34	0.43
06 46 36 00-0138 LF 3/4" x 4-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.91 0.35	0.47
06 46 36 00-0139 LF 3/4" x 5-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.49 0.37	0.47
06 46 36 00-0140 LF 3/4" x 6-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.05 0.38	0.51
06 46 36 00-0141 LF 1" x 1-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.73 0.32	0.43
06 46 36 00-0142 LF 1" x 2-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.43 0.33	0.43
06 46 36 00-0143 LF 1" x 3-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.13 0.35	0.47
06 46 36 00-0144 LF 1" x 4-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.83 0.35	0.47
06 46 36 00-0145 LF 1" x 5-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.58 0.37	0.51
06 46 36 00-0146 LF 1" x 6-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	6.32 0.39	0.51
06 46 36 00-0147 LF 1-1/4" x 1-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.50 0.33	0.43
06 46 36 00-0148 LF 1-1/4" x 2-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.56 0.34	0.43
06 46 36 00-0149 LF 1-1/4" x 3-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.63 0.35	0.47
06 46 36 00-0150 LF 1-1/4" x 4-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	6.70 0.36	0.47
06 46 36 00-0151 LF 1-1/4" x 5-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	7.81 0.38	0.51
06 46 36 00-0152 LF 1-1/4" x 6-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	8.92 0.40	0.51
06 46 36 00-0153 LF 1-1/2" x 1-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.60 0.34	0.43
06 46 36 00-0154 LF 1-1/2" x 2-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.69 0.35	0.47
06 46 36 00-0155 LF 1-1/2" x 3-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.79 0.36	0.47
06 46 36 00-0156 LF 1-1/2" x 4-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	6.89 0.37	0.51
06 46 36 00-0157 LF 1-1/2" x 5-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	7.98 0.38	0.51
06 46 36 00-0158 LF 1-1/2" x 6-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	9.17 0.41	0.55
06 46 36 00-0159 LF 3-1/2" x 3-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	11.04 0.38	0.51
06 46 36 00-0160 LF 3-1/2" x 4-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	13.46 0.40	0.51
06 46 36 00-0161 LF 3-1/2" x 5-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	15.84 0.41	0.55
06 46 36 00-0162 LF 3-1/2" x 6-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	18.29 0.44	0.59
06 46 36 00-0163 LF 3-1/2" x 7-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	20.67 0.45	0.59
06 46 36 00-0164 LF 3-1/2" x 8-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.10 0.46	0.62
06 46 36 00-0165 LF 3-1/2" x 9-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	25.48 0.47	0.62
06 46 36 00-0166 LF 3-1/2" x 10-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	27.86 0.48	0.62
06 46 36 00-0167 LF 3-1/2" x 11-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	30.32 0.51	0.66
06 46 36 00-0168 Cherry (06 46 36)		
06 46 36 00-0169 LF 3/4" x 1-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.80 0.32	0.43
06 46 36 00-0170 LF 3/4" x 2-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.56 0.32	0.43
06 46 36 00-0171 LF 3/4" x 3-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.33 0.34	0.43
06 46 36 00-0172 LF 3/4" x 4-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.09 0.35	0.47
06 46 36 00-0173 LF 3/4" x 5-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.89 0.37	0.47
06 46 36 00-0174 LF 3/4" x 6-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	6.69 0.38	0.51

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0175	LF	3/4" x 7-1/2" Custom Shaped Cherry	7.45	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 46 36 00-0176	LF	3/4" x 8-1/2" Custom Shaped Cherry	8.21	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0177	LF	3/4" x 9-1/2" Custom Shaped Cherry	8.96	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0178	LF	3/4" x 10-1/2" Custom Shaped Cherry	9.77	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0179	LF	3/4" x 11-1/2" Custom Shaped Cherry	10.55	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
06 46 36 00-0180	LF	1" x 1-1/2" Custom Shaped Cherry	3.31	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 46 36 00-0181	LF	1" x 2-1/2" Custom Shaped Cherry	4.30	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
06 46 36 00-0182	LF	1" x 3-1/2" Custom Shaped Cherry	5.31	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0183	LF	1" x 4-1/2" Custom Shaped Cherry	6.30	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0184	LF	1" x 5-1/2" Custom Shaped Cherry	7.34	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0185	LF	1" x 6-1/2" Custom Shaped Cherry	8.37	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 46 36 00-0186	LF	1" x 7-1/2" Custom Shaped Cherry	9.36	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0187	LF	1" x 8-1/2" Custom Shaped Cherry	10.38	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0188	LF	1" x 9-1/2" Custom Shaped Cherry	11.33	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0189	LF	1" x 10-1/2" Custom Shaped Cherry	12.38	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0190	LF	1" x 11-1/2" Custom Shaped Cherry	13.41	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	
06 46 36 00-0191	LF	1-1/4" x 1-1/2" Custom Shaped Cherry	3.86	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
06 46 36 00-0192	LF	1-1/4" x 2-1/2" Custom Shaped Cherry	5.12	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0193	LF	1-1/4" x 3-1/2" Custom Shaped Cherry	6.36	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0194	LF	1-1/4" x 4-1/2" Custom Shaped Cherry	7.62	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 46 36 00-0195	LF	1-1/4" x 5-1/2" Custom Shaped Cherry	8.90	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
06 46 36 00-0196	LF	1-1/4" x 6-1/2" Custom Shaped Cherry	10.21	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0197	LF	1-1/4" x 7-1/2" Custom Shaped Cherry	11.45	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0198	LF	1-1/4" x 8-1/2" Custom Shaped Cherry	12.71	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0199	LF	1-1/4" x 9-1/2" Custom Shaped Cherry	13.93	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0200	LF	1-1/4" x 10-1/2" Custom Shaped Cherry	15.26	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
06 46 36 00-0201	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	16.52	0.62
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	
06 46 36 00-0202	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	4.89	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0203	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	6.62	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0204	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	8.36	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 46 36 00-0205	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	10.11	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0206	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	11.85	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
06 46 36 00-0207	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	13.67	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0208	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	15.41	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0209	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	17.16	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0210	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	18.88	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0211	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	20.71	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	
06 46 36 00-0212	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	22.44	0.62
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.48	
06 46 36 00-0213		Cypress <small>(06 46 36)</small>		
06 46 36 00-0214	LF	3/4" x 1-1/2" Custom Shaped Cypress	2.19	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 46 36 00-0215	LF	3/4" x 2-1/2" Custom Shaped Cypress	2.64	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 46 36 00-0216	LF	3/4" x 3-1/2" Custom Shaped Cypress	3.10	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0217	LF	3/4" x 4-1/2" Custom Shaped Cypress	3.55	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0218	LF	3/4"	x 5-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.05 0.37	0.47
06 46 36 00-0219	LF	3/4"	x 6-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.54 0.38	0.51
06 46 36 00-0220	LF	3/4"	x 7-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.11 0.39	0.51
06 46 36 00-0221	LF	3/4"	x 8-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.58 0.40	0.51
06 46 36 00-0222	LF	3/4"	x 9-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	6.47 0.41	0.55
06 46 36 00-0223	LF	3/4"	x 10-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	7.03 0.43	0.55
06 46 36 00-0224	LF	1"	x 1-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.84 0.32	0.43
06 46 36 00-0225	LF	1"	x 2-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.59 0.33	0.43
06 46 36 00-0226	LF	1"	x 3-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.35 0.35	0.47
06 46 36 00-0227	LF	1"	x 4-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.11 0.35	0.47
06 46 36 00-0228	LF	1"	x 5-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.92 0.37	0.51
06 46 36 00-0229	LF	1"	x 6-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	6.70 0.39	0.51
06 46 36 00-0230	LF	1"	x 7-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	7.46 0.40	0.51
06 46 36 00-0231	LF	1"	x 8-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	8.22 0.41	0.55
06 46 36 00-0232	LF	1"	x 9-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	8.96 0.42	0.55
06 46 36 00-0233	LF	1"	x 10-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	9.79 0.44	0.59
06 46 36 00-0234	LF	1"	x 11-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	10.55 0.46	0.59
06 46 36 00-0235	LF	1-1/2"	x 1-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.30 0.34	0.43
06 46 36 00-0236	LF	1-1/2"	x 2-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.25 0.35	0.47
06 46 36 00-0237	LF	1-1/2"	x 3-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.20 0.36	0.47
06 46 36 00-0238	LF	1-1/2"	x 4-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	6.16 0.37	0.51
06 46 36 00-0239	LF	1-1/2"	x 5-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	7.10 0.38	0.51
06 46 36 00-0240	LF	1-1/2"	x 6-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	8.14 0.41	0.55
06 46 36 00-0241	LF	1-1/2"	x 7-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	9.09 0.42	0.55
06 46 36 00-0242	LF	1-1/2"	x 8-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	10.05 0.43	0.55
06 46 36 00-0243	LF	1-1/2"	x 9-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	11.85 0.44	0.59
06 46 36 00-0244	LF	1-1/2"	x 10-1/2" Custom Shaped Cypress For Curved Surfaces With A 2'-0" Maximum Radius, Add	12.93 0.46	0.59
06 46 36 00-0245	Fir (06 46 36)				
06 46 36 00-0246	LF	3/4"	x 1-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.42 0.32	0.43
06 46 36 00-0247	LF	3/4"	x 2-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.99 0.32	0.43
06 46 36 00-0248	LF	3/4"	x 3-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.57 0.34	0.43
06 46 36 00-0249	LF	3/4"	x 4-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.13 0.35	0.47
06 46 36 00-0250	LF	3/4"	x 5-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.75 0.37	0.47
06 46 36 00-0251	LF	3/4"	x 6-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.36 0.38	0.51
06 46 36 00-0252	LF	3/4"	x 7-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.93 0.39	0.51
06 46 36 00-0253	LF	3/4"	x 8-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	6.50 0.40	0.51
06 46 36 00-0254	LF	3/4"	x 9-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	7.06 0.41	0.55
06 46 36 00-0255	LF	3/4"	x 10-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	7.68 0.43	0.59
06 46 36 00-0256	LF	1"	x 1-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.84 0.32	0.43
06 46 36 00-0257	LF	1"	x 2-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.59 0.33	0.43
06 46 36 00-0258	LF	1"	x 3-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.35 0.35	0.47
06 46 36 00-0259	LF	1"	x 4-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.11 0.35	0.47
06 46 36 00-0260	LF	1"	x 5-1/2" Custom Shaped Fir For Curved Surfaces With A 2'-0" Maximum Radius, Add	5.92 0.37	0.51

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0261	LF	1" x 6-1/2" Custom Shaped Fir.....	6.70	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 46 36 00-0262	LF	1" x 7-1/2" Custom Shaped Fir.....	7.46	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0263	LF	1" x 8-1/2" Custom Shaped Fir.....	8.22	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0264	LF	1" x 9-1/2" Custom Shaped Fir.....	8.96	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0265	LF	1" x 10-1/2" Custom Shaped Fir.....	9.79	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0266	LF	1" x 11-1/2" Custom Shaped Fir.....	10.55	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	
06 46 36 00-0267	LF	1-1/4" x 1-1/2" Custom Shaped Fir.....	3.16	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
06 46 36 00-0268	LF	1-1/4" x 2-1/2" Custom Shaped Fir.....	4.07	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0269	LF	1-1/4" x 3-1/2" Custom Shaped Fir.....	4.95	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0270	LF	1-1/4" x 4-1/2" Custom Shaped Fir.....	5.87	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 46 36 00-0271	LF	1-1/4" x 5-1/2" Custom Shaped Fir.....	6.80	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
06 46 36 00-0272	LF	1-1/4" x 6-1/2" Custom Shaped Fir.....	7.75	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0273	LF	1-1/4" x 7-1/2" Custom Shaped Fir.....	8.64	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0274	LF	1-1/4" x 8-1/2" Custom Shaped Fir.....	9.55	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0275	LF	1-1/4" x 9-1/2" Custom Shaped Fir.....	10.42	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0276	LF	1-1/4" x 10-1/2" Custom Shaped Fir.....	11.40	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
06 46 36 00-0277	LF	1-1/4" x 11-1/2" Custom Shaped Fir.....	12.30	0.62
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	
06 46 36 00-0278	LF	1-1/2" x 1-1/2" Custom Shaped Fir.....	3.60	0.43
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0279	LF	1-1/2" x 2-1/2" Custom Shaped Fir.....	4.69	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0280	LF	1-1/2" x 3-1/2" Custom Shaped Fir.....	5.79	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 46 36 00-0281	LF	1-1/2" x 4-1/2" Custom Shaped Fir.....	6.89	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0282	LF	1-1/2" x 5-1/2" Custom Shaped Fir.....	7.98	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
06 46 36 00-0283	LF	1-1/2" x 6-1/2" Custom Shaped Fir.....	9.17	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0284	LF	1-1/2" x 7-1/2" Custom Shaped Fir.....	10.26	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0285	LF	1-1/2" x 8-1/2" Custom Shaped Fir.....	11.36	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0286	LF	1-1/2" x 9-1/2" Custom Shaped Fir.....	12.44	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0287	LF	1-1/2" x 10-1/2" Custom Shaped Fir.....	13.60	0.62
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	
06 46 36 00-0288	LF	1-1/2" x 11-1/2" Custom Shaped Fir.....	14.72	0.62
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.48	
06 46 36 00-0289	LF	2-1/2" x 1-1/2" Custom Shaped Fir.....	5.77	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 46 36 00-0290	LF	2-1/2" x 2-1/2" Custom Shaped Fir.....	7.91	0.47
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0291	LF	2-1/2" x 3-1/2" Custom Shaped Fir.....	10.06	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0292	LF	2-1/2" x 4-1/2" Custom Shaped Fir.....	12.25	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 46 36 00-0293	LF	2-1/2" x 5-1/2" Custom Shaped Fir.....	14.40	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir.....	16.61	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir.....	18.76	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir.....	20.99	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir.....	23.10	0.62
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir.....	25.24	0.62
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir.....	12.47	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir.....	15.21	0.51
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir.....	17.95	0.55
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir.....	20.75	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir.....	23.48	0.59
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir.....	26.26	0.62
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0305	LF		3-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.99 0.47	0.62
06 46 36 00-0306	LF		3-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.72 0.48	0.62
06 46 36 00-0307 Honduran Mahogany (06 46 36)					
06 46 36 00-0308	LF		3/4" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.98 0.32	0.43
06 46 36 00-0309	LF		3/4" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.82 0.32	0.43
06 46 36 00-0310	LF		3/4" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.68 0.34	0.43
06 46 36 00-0311	LF		3/4" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.52 0.35	0.47
06 46 36 00-0312	LF		3/4" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.42 0.37	0.47
06 46 36 00-0313	LF		3/4" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.30 0.38	0.51
06 46 36 00-0314	LF		3/4" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.15 0.39	0.51
06 46 36 00-0315	LF		3/4" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.00 0.40	0.55
06 46 36 00-0316	LF		3/4" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.84 0.41	0.55
06 46 36 00-0317	LF		3/4" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.73 0.43	0.59
06 46 36 00-0318	LF		3/4" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.60 0.45	0.59
06 46 36 00-0319	LF		1" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.58 0.32	0.43
06 46 36 00-0320	LF		1" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.68 0.33	0.43
06 46 36 00-0321	LF		1" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.82 0.35	0.47
06 46 36 00-0322	LF		1" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.94 0.35	0.47
06 46 36 00-0323	LF		1" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.11 0.37	0.51
06 46 36 00-0324	LF		1" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.26 0.39	0.51
06 46 36 00-0325	LF		1" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.38 0.40	0.55
06 46 36 00-0326	LF		1" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.52 0.41	0.55
06 46 36 00-0327	LF		1" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.62 0.42	0.55
06 46 36 00-0328	LF		1" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.79 0.44	0.59
06 46 36 00-0329	LF		1" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.09 0.46	0.59
06 46 36 00-0330	LF		1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.04 0.33	0.43
06 46 36 00-0331	LF		1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.38 0.34	0.43
06 46 36 00-0332	LF		1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.71 0.35	0.47
06 46 36 00-0333	LF		1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.06 0.36	0.47
06 46 36 00-0334	LF		1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.43 0.38	0.51
06 46 36 00-0335	LF		1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.82 0.40	0.55
06 46 36 00-0336	LF		1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.15 0.41	0.55
06 46 36 00-0337	LF		1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.50 0.42	0.55
06 46 36 00-0338	LF		1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.52 0.43	0.55
06 46 36 00-0339	LF		1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.23 0.45	0.59
06 46 36 00-0340	LF		1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.57 0.47	0.62
06 46 36 00-0341	LF		1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.94 0.34	0.43
06 46 36 00-0342	LF		1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.71 0.35	0.47
06 46 36 00-0343	LF		1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.48 0.36	0.47
06 46 36 00-0344	LF		1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.25 0.37	0.47
06 46 36 00-0345	LF		1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.02 0.38	0.51
06 46 36 00-0346	LF		1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.88 0.41	0.55
06 46 36 00-0347	LF		1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.65 0.42	0.55

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0348	LF	1-1/2"	8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.42 0.43	0.59
06 46 36 00-0349	LF	1-1/2"	9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.17 0.44	0.59
06 46 36 00-0350	LF	1-1/2"	10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.01 0.46	0.59
06 46 36 00-0351	LF	1-1/2"	11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.82 0.48	0.62
06 46 36 00-0352	LF	2"	1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.84 0.35	0.47
06 46 36 00-0353	LF	2"	2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.04 0.36	0.47
06 46 36 00-0354	LF	2"	3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.22 0.37	0.47
06 46 36 00-0355	LF	2"	4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.47 0.38	0.51
06 46 36 00-0356	LF	2"	5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.66 0.39	0.51
06 46 36 00-0357	LF	2"	6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.94 0.42	0.55
06 46 36 00-0358	LF	2"	7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.13 0.43	0.55
06 46 36 00-0359	LF	2"	8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.38 0.45	0.59
06 46 36 00-0360	LF	2"	9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.57 0.46	0.59
06 46 36 00-0361	LF	2"	10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.77 0.46	0.62
06 46 36 00-0362	LF	2"	11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.04 0.49	0.66
06 46 36 00-0363	LF	2-1/2"	1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.11 0.36	0.47
06 46 36 00-0364	LF	2-1/2"	2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.49 0.37	0.47
06 46 36 00-0365	LF	2-1/2"	3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.17 0.37	0.51
06 46 36 00-0366	LF	2-1/2"	4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.88 0.39	0.51
06 46 36 00-0367	LF	2-1/2"	5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.56 0.40	0.51
06 46 36 00-0368	LF	2-1/2"	6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.30 0.43	0.55
06 46 36 00-0369	LF	2-1/2"	7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.98 0.44	0.59
06 46 36 00-0370	LF	2-1/2"	8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.70 0.46	0.59
06 46 36 00-0371	LF	2-1/2"	9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.36 0.46	0.62
06 46 36 00-0372	LF	2-1/2"	10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.04 0.47	0.62
06 46 36 00-0373	LF	2-1/2"	11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.79 0.50	0.66
06 46 36 00-0374	LF	3-1/2"	3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.42 0.38	0.51
06 46 36 00-0375	LF	3-1/2"	4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.19 0.40	0.51
06 46 36 00-0376	LF	3-1/2"	5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.92 0.41	0.55
06 46 36 00-0377	LF	3-1/2"	6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.72 0.44	0.59
06 46 36 00-0378	LF	3-1/2"	7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.45 0.45	0.59
06 46 36 00-0379	LF	3-1/2"	8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.21 0.46	0.62
06 46 36 00-0380	LF	3-1/2"	9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.94 0.47	0.62
06 46 36 00-0381	LF	3-1/2"	10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.67 0.48	0.62
06 46 36 00-0382	LF	3-1/2"	11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.48 0.51	0.66
06 46 36 00-0383	Maple <small>(06 46 36)</small>				
06 46 36 00-0384	LF	3/4"	1-1/2" Custom Shaped Maple	2.31	0.43
06 46 36 00-0385	LF	3/4"	2-1/2" Custom Shaped Maple	2.81	0.43
06 46 36 00-0386	LF	3/4"	3-1/2" Custom Shaped Maple	3.33	0.43
06 46 36 00-0387	LF	3/4"	4-1/2" Custom Shaped Maple	3.84	0.47
06 46 36 00-0388	LF	3/4"	5-1/2" Custom Shaped Maple	4.40	0.47
06 46 36 00-0389	LF	3/4"	6-1/2" Custom Shaped Maple	4.95	0.51
06 46 36 00-0390	LF	3/4"	7-1/2" Custom Shaped Maple	5.46	0.51
06 46 36 00-0391	LF	3/4"	8-1/2" Custom Shaped Maple	5.98	0.51
06 46 36 00-0392	LF	3/4"	9-1/2" Custom Shaped Maple	6.47	0.55
06 46 36 00-0393	LF	3/4"	10-1/2" Custom Shaped Maple	7.03	0.59
06 46 36 00-0394	LF	3/4"	11-1/2" Custom Shaped Maple	7.56	0.59
06 46 36 00-0395	LF	1"	1-1/2" Custom Shaped Maple	2.70	0.43
06 46 36 00-0396	LF	1"	2-1/2" Custom Shaped Maple	3.37	0.43
06 46 36 00-0397	LF	1"	3-1/2" Custom Shaped Maple	4.06	0.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0398 LF 1" x 4-1/2" Custom Shaped Maple.....	4.75	0.47
06 46 36 00-0399 LF 1" x 5-1/2" Custom Shaped Maple.....	5.48	0.51
06 46 36 00-0400 LF 1" x 6-1/2" Custom Shaped Maple.....	6.19	0.51
06 46 36 00-0401 LF 1" x 7-1/2" Custom Shaped Maple.....	6.87	0.51
06 46 36 00-0402 LF 1" x 8-1/2" Custom Shaped Maple.....	7.57	0.55
06 46 36 00-0403 LF 1" x 9-1/2" Custom Shaped Maple.....	8.23	0.55
06 46 36 00-0404 LF 1" x 10-1/2" Custom Shaped Maple.....	8.67	0.59
06 46 36 00-0405 LF 1" x 11-1/2" Custom Shaped Maple.....	9.67	0.59
06 46 36 00-0406 LF 1-1/4" x 1-1/2" Custom Shaped Maple.....	3.03	0.43
06 46 36 00-0407 LF 1-1/4" x 2-1/2" Custom Shaped Maple.....	3.86	0.43
06 46 36 00-0408 LF 1-1/4" x 3-1/2" Custom Shaped Maple.....	4.69	0.47
06 46 36 00-0409 LF 1-1/4" x 4-1/2" Custom Shaped Maple.....	5.53	0.47
06 46 36 00-0410 LF 1-1/4" x 5-1/2" Custom Shaped Maple.....	6.40	0.51
06 46 36 00-0411 LF 1-1/4" x 6-1/2" Custom Shaped Maple.....	7.28	0.51
06 46 36 00-0412 LF 1-1/4" x 7-1/2" Custom Shaped Maple.....	8.11	0.55
06 46 36 00-0413 LF 1-1/4" x 8-1/2" Custom Shaped Maple.....	8.95	0.55
06 46 36 00-0414 LF 1-1/4" x 9-1/2" Custom Shaped Maple.....	9.76	0.55
06 46 36 00-0415 LF 1-1/4" x 10-1/2" Custom Shaped Maple.....	10.66	0.59
06 46 36 00-0416 LF 1-1/4" x 11-1/2" Custom Shaped Maple.....	11.51	0.62
06 46 36 00-0417 LF 1-1/2" x 1-1/2" Custom Shaped Maple.....	3.71	0.43
06 46 36 00-0418 LF 1-1/2" x 2-1/2" Custom Shaped Maple.....	4.87	0.47
06 46 36 00-0419 LF 1-1/2" x 3-1/2" Custom Shaped Maple.....	6.02	0.47
06 46 36 00-0420 LF 1-1/2" x 4-1/2" Custom Shaped Maple.....	7.18	0.51
06 46 36 00-0421 LF 1-1/2" x 5-1/2" Custom Shaped Maple.....	8.33	0.51
06 46 36 00-0422 LF 1-1/2" x 6-1/2" Custom Shaped Maple.....	9.58	0.55
06 46 36 00-0423 LF 1-1/2" x 7-1/2" Custom Shaped Maple.....	10.73	0.55
06 46 36 00-0424 LF 1-1/2" x 8-1/2" Custom Shaped Maple.....	12.04	0.59
06 46 36 00-0425 LF 1-1/2" x 9-1/2" Custom Shaped Maple.....	13.02	0.59
06 46 36 00-0426 LF 1-1/2" x 10-1/2" Custom Shaped Maple.....	14.27	0.62
06 46 36 00-0427 LF 1-1/2" x 11-1/2" Custom Shaped Maple.....	15.42	0.62
06 46 36 00-0428 LF 2" x 1-1/2" Custom Shaped Maple.....	4.81	0.47
06 46 36 00-0429 LF 2" x 2-1/2" Custom Shaped Maple.....	6.51	0.47
06 46 36 00-0430 LF 2" x 3-1/2" Custom Shaped Maple.....	8.18	0.47
06 46 36 00-0431 LF 2" x 4-1/2" Custom Shaped Maple.....	9.91	0.51
06 46 36 00-0432 LF 2" x 5-1/2" Custom Shaped Maple.....	11.59	0.51
06 46 36 00-0433 LF 2" x 6-1/2" Custom Shaped Maple.....	13.35	0.55
06 46 36 00-0434 LF 2" x 7-1/2" Custom Shaped Maple.....	15.03	0.55
06 46 36 00-0435 LF 2" x 8-1/2" Custom Shaped Maple.....	16.77	0.59
06 46 36 00-0436 LF 2" x 9-1/2" Custom Shaped Maple.....	18.44	0.59
06 46 36 00-0437 LF 2" x 10-1/2" Custom Shaped Maple.....	20.14	0.62
06 46 36 00-0438 LF 2" x 11-1/2" Custom Shaped Maple.....	22.04	0.66
06 46 36 00-0439 LF 3-1/2" x 3-1/2" Custom Shaped Maple.....	17.59	0.51
06 46 36 00-0440 LF 3-1/2" x 4-1/2" Custom Shaped Maple.....	21.65	0.51
06 46 36 00-0441 LF 3-1/2" x 5-1/2" Custom Shaped Maple.....	25.68	0.55
06 46 36 00-0442 LF 3-1/2" x 6-1/2" Custom Shaped Maple.....	29.77	0.59
06 46 36 00-0443 LF 3-1/2" x 7-1/2" Custom Shaped Maple.....	33.79	0.59
06 46 36 00-0444 LF 3-1/2" x 8-1/2" Custom Shaped Maple.....	37.85	0.62
06 46 36 00-0445 LF 3-1/2" x 9-1/2" Custom Shaped Maple.....	41.87	0.62
06 46 36 00-0446 LF 3-1/2" x 10-1/2" Custom Shaped Maple.....	45.89	0.62
06 46 36 00-0447 LF 3-1/2" x 11-1/2" Custom Shaped Maple.....	49.99	0.66
06 46 36 00-0448 Appl Soft Maple (06 46 36)		
06 46 36 00-0449 LF 3/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	2.34	0.43
06 46 36 00-0450 LF 3/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	2.86	0.43
06 46 36 00-0451 LF 3/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	3.39	0.43
06 46 36 00-0452 LF 3/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	3.91	0.47
06 46 36 00-0453 LF 3/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	4.49	0.47
06 46 36 00-0454 LF 3/4" x 6-1/2" Custom Shaped Appl Soft Maple.....	5.05	0.51
06 46 36 00-0455 LF 3/4" x 7-1/2" Custom Shaped Appl Soft Maple.....	5.57	0.51
06 46 36 00-0456 LF 3/4" x 8-1/2" Custom Shaped Appl Soft Maple.....	6.11	0.51
06 46 36 00-0457 LF 3/4" x 9-1/2" Custom Shaped Appl Soft Maple.....	6.62	0.55
06 46 36 00-0458 LF 3/4" x 10-1/2" Custom Shaped Appl Soft Maple.....	7.19	0.59
06 46 36 00-0459 LF 3/4" x 11-1/2" Custom Shaped Appl Soft Maple.....	7.74	0.59
06 46 36 00-0460 LF 1" x 1-1/2" Custom Shaped Appl Soft Maple.....	2.62	0.43
06 46 36 00-0461 LF 1" x 2-1/2" Custom Shaped Appl Soft Maple.....	3.26	0.43
06 46 36 00-0462 LF 1" x 3-1/2" Custom Shaped Appl Soft Maple.....	3.91	0.47
06 46 36 00-0463 LF 1" x 4-1/2" Custom Shaped Appl Soft Maple.....	4.54	0.47
06 46 36 00-0464 LF 1" x 5-1/2" Custom Shaped Appl Soft Maple.....	5.26	0.51
06 46 36 00-0465 LF 1" x 6-1/2" Custom Shaped Appl Soft Maple.....	5.94	0.51
06 46 36 00-0466 LF 1" x 7-1/2" Custom Shaped Appl Soft Maple.....	6.58	0.51
06 46 36 00-0467 LF 1" x 8-1/2" Custom Shaped Appl Soft Maple.....	7.23	0.55
06 46 36 00-0468 LF 1" x 9-1/2" Custom Shaped Appl Soft Maple.....	7.86	0.55
06 46 36 00-0469 LF 1" x 10-1/2" Custom Shaped Appl Soft Maple.....	8.56	0.59
06 46 36 00-0470 LF 1" x 11-1/2" Custom Shaped Appl Soft Maple.....	9.23	0.59
06 46 36 00-0471 LF 1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	2.90	0.43
06 46 36 00-0472 LF 1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	3.67	0.43
06 46 36 00-0473 LF 1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	4.43	0.47
06 46 36 00-0474 LF 1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	5.21	0.47
06 46 36 00-0475 LF 1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	6.01	0.51
06 46 36 00-0476 LF 1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple.....	6.83	0.51
06 46 36 00-0477 LF 1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple.....	7.59	0.55
06 46 36 00-0478 LF 1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple.....	8.37	0.55
06 46 36 00-0479 LF 1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple.....	9.10	0.55
06 46 36 00-0480 LF 1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple.....	9.95	0.59


 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 46 36 00-0481	LF	1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	10.72	0.62
06 46 36 00-0482	LF	1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	3.42	0.43
06 46 36 00-0483	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	4.43	0.47
06 46 36 00-0484	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	5.43	0.47
06 46 36 00-0485	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	6.45	0.51
06 46 36 00-0486	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	7.46	0.51
06 46 36 00-0487	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	8.55	0.55
06 46 36 00-0488	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	9.56	0.55
06 46 36 00-0489	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	10.57	0.59
06 46 36 00-0490	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	11.56	0.59
06 46 36 00-0491	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	12.64	0.62
06 46 36 00-0492	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	13.66	0.62

06 46 36 00-0493

Red Oak (06 46 36)

06 46 36 00-0494	LF	3/4" x 1-1/2" Custom Shaped Red Oak	2.48	0.43
06 46 36 00-0495	LF	3/4" x 2-1/2" Custom Shaped Red Oak	3.08	0.43
06 46 36 00-0496	LF	3/4" x 3-1/2" Custom Shaped Red Oak	3.68	0.43
06 46 36 00-0497	LF	3/4" x 4-1/2" Custom Shaped Red Oak	4.28	0.47
06 46 36 00-0498	LF	3/4" x 5-1/2" Custom Shaped Red Oak	4.93	0.47
06 46 36 00-0499	LF	3/4" x 6-1/2" Custom Shaped Red Oak	5.56	0.51
06 46 36 00-0500	LF	3/4" x 7-1/2" Custom Shaped Red Oak	6.16	0.51
06 46 36 00-0501	LF	3/4" x 8-1/2" Custom Shaped Red Oak	6.77	0.51
06 46 36 00-0502	LF	3/4" x 9-1/2" Custom Shaped Red Oak	7.35	0.55
06 46 36 00-0503	LF	3/4" x 10-1/2" Custom Shaped Red Oak	8.00	0.59
06 46 36 00-0504	LF	3/4" x 11-1/2" Custom Shaped Red Oak	8.61	0.59
06 46 36 00-0505	LF	1" x 1-1/2" Custom Shaped Red Oak	2.95	0.43
06 46 36 00-0506	LF	1" x 2-1/2" Custom Shaped Red Oak	3.76	0.43
06 46 36 00-0507	LF	1" x 3-1/2" Custom Shaped Red Oak	4.57	0.47
06 46 36 00-0508	LF	1" x 4-1/2" Custom Shaped Red Oak	5.68	0.47
06 46 36 00-0509	LF	1" x 5-1/2" Custom Shaped Red Oak	6.24	0.51
06 46 36 00-0510	LF	1" x 6-1/2" Custom Shaped Red Oak	7.10	0.51
06 46 36 00-0511	LF	1" x 7-1/2" Custom Shaped Red Oak	7.90	0.51
06 46 36 00-0512	LF	1" x 8-1/2" Custom Shaped Red Oak	8.71	0.55
06 46 36 00-0513	LF	1" x 9-1/2" Custom Shaped Red Oak	9.50	0.55
06 46 36 00-0514	LF	1" x 10-1/2" Custom Shaped Red Oak	10.38	0.59
06 46 36 00-0515	LF	1" x 11-1/2" Custom Shaped Red Oak	11.21	0.59
06 46 36 00-0516	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	3.60	0.43
06 46 36 00-0517	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	4.72	0.43
06 46 36 00-0518	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	5.83	0.47
06 46 36 00-0519	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	6.97	0.47
06 46 36 00-0520	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	8.11	0.51
06 46 36 00-0521	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	9.29	0.51
06 46 36 00-0522	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	10.40	0.55
06 46 36 00-0523	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	11.53	0.55
06 46 36 00-0524	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	12.62	0.55
06 46 36 00-0525	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	13.81	0.59
06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	14.94	0.62
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	4.94	0.43
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	6.71	0.47
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	8.48	0.47
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	10.25	0.47
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	12.02	0.51
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	13.91	0.55
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	15.65	0.55
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	17.72	0.59
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	19.17	0.59
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	21.01	0.59
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	22.79	0.62
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak	7.45	0.47
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak	10.46	0.47
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak	13.44	0.47
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak	16.50	0.51
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak	19.49	0.51
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak	22.57	0.55
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak	25.57	0.55
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak	28.62	0.59
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak	31.62	0.59
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak	34.63	0.62
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak	37.70	0.66

06 46 36 00-0549

White Oak (06 46 36)

06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak	2.51	0.43
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak	3.12	0.43
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak	3.74	0.43
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak	4.35	0.47
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak	5.01	0.47
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak	5.67	0.51
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak	6.28	0.51
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak	6.90	0.51
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak	7.50	0.55
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak	8.16	0.59
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak	8.79	0.59



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0561	LF		1" x 1-1/2" Custom Shaped White Oak.....	2.95	0.43
06 46 36 00-0562	LF		1" x 2-1/2" Custom Shaped White Oak.....	3.76	0.43
06 46 36 00-0563	LF		1" x 3-1/2" Custom Shaped White Oak.....	4.57	0.47
06 46 36 00-0564	LF		1" x 4-1/2" Custom Shaped White Oak.....	5.68	0.47
06 46 36 00-0565	LF		1" x 5-1/2" Custom Shaped White Oak.....	6.24	0.51
06 46 36 00-0566	LF		1" x 6-1/2" Custom Shaped White Oak.....	7.10	0.51
06 46 36 00-0567	LF		1" x 7-1/2" Custom Shaped White Oak.....	7.90	0.51
06 46 36 00-0568	LF		1" x 8-1/2" Custom Shaped White Oak.....	8.71	0.55
06 46 36 00-0569	LF		1" x 9-1/2" Custom Shaped White Oak.....	9.50	0.55
06 46 36 00-0570	LF		1" x 10-1/2" Custom Shaped White Oak.....	10.38	0.59
06 46 36 00-0571	LF		1" x 11-1/2" Custom Shaped White Oak.....	11.21	0.59
06 46 36 00-0572	LF		1-1/4" x 1-1/2" Custom Shaped White Oak.....	3.65	0.43
06 46 36 00-0573	LF		1-1/4" x 2-1/2" Custom Shaped White Oak.....	4.78	0.43
06 46 36 00-0574	LF		1-1/4" x 3-1/2" Custom Shaped White Oak.....	5.92	0.47
06 46 36 00-0575	LF		1-1/4" x 4-1/2" Custom Shaped White Oak.....	7.07	0.47
06 46 36 00-0576	LF		1-1/4" x 5-1/2" Custom Shaped White Oak.....	8.25	0.51
06 46 36 00-0577	LF		1-1/4" x 6-1/2" Custom Shaped White Oak.....	9.43	0.51
06 46 36 00-0578	LF		1-1/4" x 7-1/2" Custom Shaped White Oak.....	10.57	0.55
06 46 36 00-0579	LF		1-1/4" x 8-1/2" Custom Shaped White Oak.....	11.72	0.55
06 46 36 00-0580	LF		1-1/4" x 9-1/2" Custom Shaped White Oak.....	12.84	0.55
06 46 36 00-0581	LF		1-1/4" x 10-1/2" Custom Shaped White Oak.....	14.04	0.59
06 46 36 00-0582	LF		1-1/4" x 11-1/2" Custom Shaped White Oak.....	15.20	0.62
06 46 36 00-0583	LF		1-1/2" x 1-1/2" Custom Shaped White Oak.....	5.82	0.43
06 46 36 00-0584	LF		1-1/2" x 2-1/2" Custom Shaped White Oak.....	8.03	0.47
06 46 36 00-0585	LF		1-1/2" x 3-1/2" Custom Shaped White Oak.....	10.23	0.47
06 46 36 00-0586	LF		1-1/2" x 4-1/2" Custom Shaped White Oak.....	12.45	0.51
06 46 36 00-0587	LF		1-1/2" x 5-1/2" Custom Shaped White Oak.....	14.66	0.51
06 46 36 00-0588	LF		1-1/2" x 6-1/2" Custom Shaped White Oak.....	16.95	0.55
06 46 36 00-0589	LF		1-1/2" x 7-1/2" Custom Shaped White Oak.....	19.16	0.55
06 46 36 00-0590	LF		1-1/2" x 8-1/2" Custom Shaped White Oak.....	21.37	0.59
06 46 36 00-0591	LF		1-1/2" x 9-1/2" Custom Shaped White Oak.....	23.27	0.59
06 46 36 00-0592	LF		1-1/2" x 10-1/2" Custom Shaped White Oak.....	25.84	0.62
06 46 36 00-0593	LF		1-1/2" x 11-1/2" Custom Shaped White Oak.....	28.06	0.62
06 46 36 00-0594			White Pine <small>(06 46 36)</small>		
06 46 36 00-0595	LF		3/4" x 1-1/2" Custom Shaped White Pine.....	2.77	0.43
06 46 36 00-0596	LF		3/4" x 2-1/2" Custom Shaped White Pine.....	3.52	0.43
06 46 36 00-0597	LF		3/4" x 3-1/2" Custom Shaped White Pine.....	4.27	0.43
06 46 36 00-0598	LF		3/4" x 4-1/2" Custom Shaped White Pine.....	5.01	0.47
06 46 36 00-0599	LF		3/4" x 5-1/2" Custom Shaped White Pine.....	5.81	0.47
06 46 36 00-0600	LF		3/4" x 6-1/2" Custom Shaped White Pine.....	6.59	0.51
06 46 36 00-0601	LF		3/4" x 7-1/2" Custom Shaped White Pine.....	7.33	0.51
06 46 36 00-0602	LF		3/4" x 8-1/2" Custom Shaped White Pine.....	8.08	0.51
06 46 36 00-0603	LF		3/4" x 9-1/2" Custom Shaped White Pine.....	9.25	0.55
06 46 36 00-0604	LF		3/4" x 10-1/2" Custom Shaped White Pine.....	10.09	0.59
06 46 36 00-0605	LF		1" x 1-1/2" Custom Shaped White Pine.....	3.09	0.43
06 46 36 00-0606	LF		1" x 2-1/2" Custom Shaped White Pine.....	3.98	0.43
06 46 36 00-0607	LF		1" x 3-1/2" Custom Shaped White Pine.....	4.87	0.47
06 46 36 00-0608	LF		1" x 4-1/2" Custom Shaped White Pine.....	5.76	0.47
06 46 36 00-0609	LF		1" x 5-1/2" Custom Shaped White Pine.....	6.68	0.51
06 46 36 00-0610	LF		1" x 6-1/2" Custom Shaped White Pine.....	7.61	0.51
06 46 36 00-0611	LF		1" x 7-1/2" Custom Shaped White Pine.....	8.48	0.51
06 46 36 00-0612	LF		1" x 8-1/2" Custom Shaped White Pine.....	9.38	0.55
06 46 36 00-0613	LF		1" x 9-1/2" Custom Shaped White Pine.....	10.24	0.55
06 46 36 00-0614	LF		1" x 10-1/2" Custom Shaped White Pine.....	11.18	0.59
06 46 36 00-0615	LF		1" x 11-1/2" Custom Shaped White Pine.....	12.09	0.59
06 46 36 00-0616	LF		1-1/4" x 1-1/2" Custom Shaped White Pine.....	3.47	0.43
06 46 36 00-0617	LF		1-1/4" x 2-1/2" Custom Shaped White Pine.....	4.52	0.43
06 46 36 00-0618	LF		1-1/4" x 3-1/2" Custom Shaped White Pine.....	5.60	0.47
06 46 36 00-0619	LF		1-1/4" x 4-1/2" Custom Shaped White Pine.....	6.63	0.47
06 46 36 00-0620	LF		1-1/4" x 5-1/2" Custom Shaped White Pine.....	7.72	0.51
06 46 36 00-0621	LF		1-1/4" x 6-1/2" Custom Shaped White Pine.....	8.82	0.51
06 46 36 00-0622	LF		1-1/4" x 7-1/2" Custom Shaped White Pine.....	9.87	0.55
06 46 36 00-0623	LF		1-1/4" x 8-1/2" Custom Shaped White Pine.....	10.93	0.55
06 46 36 00-0624	LF		1-1/4" x 9-1/2" Custom Shaped White Pine.....	11.96	0.55
06 46 36 00-0625	LF		1-1/4" x 10-1/2" Custom Shaped White Pine.....	13.08	0.59
06 46 36 00-0626	LF		1-1/4" x 11-1/2" Custom Shaped White Pine.....	14.15	0.62
06 46 36 00-0627	LF		1-1/2" x 1-1/2" Custom Shaped White Pine.....	4.30	0.43
06 46 36 00-0628	LF		1-1/2" x 2-1/2" Custom Shaped White Pine.....	5.75	0.47
06 46 36 00-0629	LF		1-1/2" x 3-1/2" Custom Shaped White Pine.....	7.19	0.47
06 46 36 00-0630	LF		1-1/2" x 4-1/2" Custom Shaped White Pine.....	8.64	0.51
06 46 36 00-0631	LF		1-1/2" x 5-1/2" Custom Shaped White Pine.....	10.09	0.51
06 46 36 00-0632	LF		1-1/2" x 6-1/2" Custom Shaped White Pine.....	11.63	0.55
06 46 36 00-0633	LF		1-1/2" x 7-1/2" Custom Shaped White Pine.....	13.07	0.55
06 46 36 00-0634	LF		1-1/2" x 8-1/2" Custom Shaped White Pine.....	14.53	0.59
06 46 36 00-0635	LF		1-1/2" x 9-1/2" Custom Shaped White Pine.....	16.24	0.59
06 46 36 00-0636	LF		1-1/2" x 10-1/2" Custom Shaped White Pine.....	17.47	0.62
06 46 36 00-0637	LF		1-1/2" x 11-1/2" Custom Shaped White Pine.....	18.93	0.62
06 46 36 00-0638	LF		2" x 1-1/2" Custom Shaped White Pine.....	6.50	0.47
06 46 36 00-0639	LF		2" x 2-1/2" Custom Shaped White Pine.....	9.02	0.47
06 46 36 00-0640	LF		2" x 3-1/2" Custom Shaped White Pine.....	11.54	0.47
06 46 36 00-0641	LF		2" x 4-1/2" Custom Shaped White Pine.....	14.11	0.51
06 46 36 00-0642	LF		2" x 5-1/2" Custom Shaped White Pine.....	16.64	0.51
06 46 36 00-0643	LF		2" x 6-1/2" Custom Shaped White Pine.....	19.24	0.55



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	21.76	0.55
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	24.33	0.59
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	26.86	0.59
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	29.39	0.62
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	32.00	0.66
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	7.70	0.47
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	10.81	0.47
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	13.92	0.51
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	17.08	0.51
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	20.19	0.51
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	23.37	0.55
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	26.49	0.59
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	29.65	0.59
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	32.75	0.62
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	35.87	0.62
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	39.06	0.66
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	19.23	0.51
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	23.70	0.51
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	28.13	0.55
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	32.63	0.59
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	37.07	0.59
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	41.54	0.62
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	45.97	0.62
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	50.40	0.62
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	54.91	0.66

06 46 36 00-0669 Clear Yellow Pine (06 46 36)

06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	1.96	0.43
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	2.29	0.43
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	2.63	0.43
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	2.96	0.47
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	3.35	0.47
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	3.72	0.51
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	4.05	0.51
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	4.39	0.51
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	2.21	0.43
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	2.66	0.43
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	3.11	0.47
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	3.56	0.47
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	4.04	0.51
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	4.53	0.51
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	5.12	0.51
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	5.59	0.55
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	2.54	0.43
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	3.11	0.47
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	3.68	0.47
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	4.25	0.51
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	4.82	0.51
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	5.48	0.55
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	6.05	0.55
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	6.62	0.59
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	7.61	0.59
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	7.86	0.62

06 46 36 00-0696 Poplar (06 46 36)

06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	2.04	0.43
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	2.42	0.43
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	2.81	0.43
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	3.18	0.47
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	3.61	0.47
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	4.03	0.51
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	4.40	0.51
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	4.79	0.51
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	5.16	0.55
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	5.58	0.59
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	6.01	0.59
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	2.33	0.43
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	2.83	0.43
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	3.33	0.47
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	3.82	0.47
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	4.38	0.51
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	4.92	0.51
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	5.41	0.51
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	5.91	0.55
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	6.40	0.55
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	6.95	0.59
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	7.48	0.59
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	2.59	0.43
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	3.20	0.43
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	3.81	0.47
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	4.43	0.47
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	5.08	0.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0724	LF	1-1/4"	x 6-1/2" Custom Shaped Poplar.....	5.75	0.51
06 46 36 00-0725	LF	1-1/4"	x 7-1/2" Custom Shaped Poplar.....	6.36	0.55
06 46 36 00-0726	LF	1-1/4"	x 8-1/2" Custom Shaped Poplar.....	6.98	0.55
06 46 36 00-0727	LF	1-1/4"	x 9-1/2" Custom Shaped Poplar.....	7.57	0.55
06 46 36 00-0728	LF	1-1/4"	x 10-1/2" Custom Shaped Poplar.....	8.25	0.59
06 46 36 00-0729	LF	1-1/4"	x 11-1/2" Custom Shaped Poplar.....	8.88	0.62
06 46 36 00-0730	LF	1-1/2"	x 1-1/2" Custom Shaped Poplar.....	3.19	0.43
06 46 36 00-0731	LF	1-1/2"	x 2-1/2" Custom Shaped Poplar.....	4.08	0.47
06 46 36 00-0732	LF	1-1/2"	x 3-1/2" Custom Shaped Poplar.....	4.97	0.47
06 46 36 00-0733	LF	1-1/2"	x 4-1/2" Custom Shaped Poplar.....	5.86	0.51
06 46 36 00-0734	LF	1-1/2"	x 5-1/2" Custom Shaped Poplar.....	6.75	0.51
06 46 36 00-0735	LF	1-1/2"	x 6-1/2" Custom Shaped Poplar.....	7.73	0.55
06 46 36 00-0736	LF	1-1/2"	x 7-1/2" Custom Shaped Poplar.....	8.62	0.55
06 46 36 00-0737	LF	1-1/2"	x 8-1/2" Custom Shaped Poplar.....	9.52	0.59
06 46 36 00-0738	LF	1-1/2"	x 9-1/2" Custom Shaped Poplar.....	10.39	0.59
06 46 36 00-0739	LF	1-1/2"	x 10-1/2" Custom Shaped Poplar.....	11.35	0.62
06 46 36 00-0740	LF	1-1/2"	x 11-1/2" Custom Shaped Poplar.....	12.26	0.62
06 46 36 00-0741	LF	2"	x 1-1/2" Custom Shaped Poplar.....	4.08	0.47
06 46 36 00-0742	LF	2"	x 2-1/2" Custom Shaped Poplar.....	5.41	0.47
06 46 36 00-0743	LF	2"	x 3-1/2" Custom Shaped Poplar.....	6.71	0.47
06 46 36 00-0744	LF	2"	x 4-1/2" Custom Shaped Poplar.....	8.08	0.51
06 46 36 00-0745	LF	2"	x 5-1/2" Custom Shaped Poplar.....	9.39	0.51
06 46 36 00-0746	LF	2"	x 6-1/2" Custom Shaped Poplar.....	10.79	0.55
06 46 36 00-0747	LF	2"	x 7-1/2" Custom Shaped Poplar.....	12.10	0.55
06 46 36 00-0748	LF	2"	x 8-1/2" Custom Shaped Poplar.....	13.47	0.59
06 46 36 00-0749	LF	2"	x 9-1/2" Custom Shaped Poplar.....	14.79	0.59
06 46 36 00-0750	LF	2"	x 10-1/2" Custom Shaped Poplar.....	16.11	0.62
06 46 36 00-0751	LF	2"	x 11-1/2" Custom Shaped Poplar.....	17.51	0.66
06 46 36 00-0752	LF	2-1/2"	x 1-1/2" Custom Shaped Poplar.....	4.97	0.47
06 46 36 00-0753	LF	2-1/2"	x 2-1/2" Custom Shaped Poplar.....	6.73	0.47
06 46 36 00-0754	LF	2-1/2"	x 3-1/2" Custom Shaped Poplar.....	8.48	0.51
06 46 36 00-0755	LF	2-1/2"	x 4-1/2" Custom Shaped Poplar.....	10.27	0.51
06 46 36 00-0756	LF	2-1/2"	x 5-1/2" Custom Shaped Poplar.....	12.02	0.51
06 46 36 00-0757	LF	2-1/2"	x 6-1/2" Custom Shaped Poplar.....	13.85	0.55
06 46 36 00-0758	LF	2-1/2"	x 7-1/2" Custom Shaped Poplar.....	15.60	0.59
06 46 36 00-0759	LF	2-1/2"	x 8-1/2" Custom Shaped Poplar.....	17.40	0.59
06 46 36 00-0760	LF	2-1/2"	x 9-1/2" Custom Shaped Poplar.....	19.14	0.62
06 46 36 00-0761	LF	2-1/2"	x 10-1/2" Custom Shaped Poplar.....	20.90	0.62
06 46 36 00-0762	LF	2-1/2"	x 11-1/2" Custom Shaped Poplar.....	22.73	0.66
06 46 36 00-0763	LF	3-1/2"	x 3-1/2" Custom Shaped Poplar.....	11.51	0.51
06 46 36 00-0764	LF	3-1/2"	x 4-1/2" Custom Shaped Poplar.....	14.04	0.51
06 46 36 00-0765	LF	3-1/2"	x 5-1/2" Custom Shaped Poplar.....	16.54	0.55
06 46 36 00-0766	LF	3-1/2"	x 6-1/2" Custom Shaped Poplar.....	19.14	0.59
06 46 36 00-0767	LF	3-1/2"	x 7-1/2" Custom Shaped Poplar.....	21.61	0.59
06 46 36 00-0768	LF	3-1/2"	x 8-1/2" Custom Shaped Poplar.....	24.15	0.62
06 46 36 00-0769	LF	3-1/2"	x 9-1/2" Custom Shaped Poplar.....	26.65	0.62
06 46 36 00-0770	LF	3-1/2"	x 10-1/2" Custom Shaped Poplar.....	29.15	0.62
06 46 36 00-0771	LF	3-1/2"	x 11-1/2" Custom Shaped Poplar.....	31.73	0.66
06 46 36 00-0772 Clear Heart Redwood (06 46 36)					
06 46 36 00-0773	LF	3/4"	x 1-1/2" Custom Shaped Clear Heart Redwood.....	2.45	0.43
06 46 36 00-0774	LF	3/4"	x 2-1/2" Custom Shaped Clear Heart Redwood.....	3.03	0.43
06 46 36 00-0775	LF	3/4"	x 3-1/2" Custom Shaped Clear Heart Redwood.....	3.63	0.43
06 46 36 00-0776	LF	3/4"	x 4-1/2" Custom Shaped Clear Heart Redwood.....	4.21	0.47
06 46 36 00-0777	LF	3/4"	x 5-1/2" Custom Shaped Clear Heart Redwood.....	4.84	0.47
06 46 36 00-0778	LF	3/4"	x 6-1/2" Custom Shaped Clear Heart Redwood.....	5.46	0.51
06 46 36 00-0779	LF	3/4"	x 7-1/2" Custom Shaped Clear Heart Redwood.....	6.63	0.51
06 46 36 00-0780	LF	3/4"	x 8-1/2" Custom Shaped Clear Heart Redwood.....	7.29	0.51
06 46 36 00-0781	LF	3/4"	x 9-1/2" Custom Shaped Clear Heart Redwood.....	7.34	0.55
06 46 36 00-0782	LF	3/4"	x 10-1/2" Custom Shaped Clear Heart Redwood.....	7.84	0.59
06 46 36 00-0783	LF	1"	x 1-1/2" Custom Shaped Clear Heart Redwood.....	2.92	0.43
06 46 36 00-0784	LF	1"	x 2-1/2" Custom Shaped Clear Heart Redwood.....	3.70	0.43
06 46 36 00-0785	LF	1"	x 3-1/2" Custom Shaped Clear Heart Redwood.....	4.50	0.47
06 46 36 00-0786	LF	1"	x 4-1/2" Custom Shaped Clear Heart Redwood.....	5.29	0.47
06 46 36 00-0787	LF	1"	x 5-1/2" Custom Shaped Clear Heart Redwood.....	6.14	0.51
06 46 36 00-0788	LF	1"	x 6-1/2" Custom Shaped Clear Heart Redwood.....	6.96	0.51
06 46 36 00-0789	LF	1"	x 7-1/2" Custom Shaped Clear Heart Redwood.....	8.77	0.51
06 46 36 00-0790	LF	1"	x 8-1/2" Custom Shaped Clear Heart Redwood.....	9.70	0.55
06 46 36 00-0791	LF	1"	x 9-1/2" Custom Shaped Clear Heart Redwood.....	10.60	0.55
06 46 36 00-0792	LF	1"	x 10-1/2" Custom Shaped Clear Heart Redwood.....	11.58	0.59
06 46 36 00-0793	LF	1-1/2"	x 1-1/2" Custom Shaped Clear Heart Redwood.....	3.77	0.43
06 46 36 00-0794	LF	1-1/2"	x 2-1/2" Custom Shaped Clear Heart Redwood.....	4.95	0.47
06 46 36 00-0795	LF	1-1/2"	x 3-1/2" Custom Shaped Clear Heart Redwood.....	6.14	0.47
06 46 36 00-0796	LF	1-1/2"	x 4-1/2" Custom Shaped Clear Heart Redwood.....	7.33	0.51
06 46 36 00-0797	LF	1-1/2"	x 5-1/2" Custom Shaped Clear Heart Redwood.....	8.51	0.51
06 46 36 00-0798	LF	1-1/2"	x 6-1/2" Custom Shaped Clear Heart Redwood.....	9.81	0.55
06 46 36 00-0799	LF	1-1/2"	x 7-1/2" Custom Shaped Clear Heart Redwood.....	13.07	0.55
06 46 36 00-0800	LF	1-1/2"	x 8-1/2" Custom Shaped Clear Heart Redwood.....	14.53	0.59
06 46 36 00-0801	LF	1-1/2"	x 9-1/2" Custom Shaped Clear Heart Redwood.....	17.12	0.59
06 46 36 00-0802	LF	1-1/2"	x 10-1/2" Custom Shaped Clear Heart Redwood.....	18.75	0.62
06 46 36 00-0803	LF	3-1/2"	x 3-1/2" Custom Shaped Clear Heart Redwood.....	18.06	0.51
06 46 36 00-0804	LF	3-1/2"	x 4-1/2" Custom Shaped Clear Heart Redwood.....	22.24	0.51
06 46 36 00-0805	LF	3-1/2"	x 5-1/2" Custom Shaped Clear Heart Redwood.....	26.38	0.55
06 46 36 00-0806	LF	3-1/2"	x 6-1/2" Custom Shaped Clear Heart Redwood.....	30.59	0.59

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	34.72	0.59
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	38.90	0.62
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	43.04	0.62
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	47.18	0.62
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	51.40	0.66

06 46 36 00-0812 Teak (06 46 36)

06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak	6.38	0.43
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak	8.92	0.43
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak	11.47	0.43
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak	14.01	0.47
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak	16.61	0.47
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak	19.19	0.51
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak	21.73	0.51
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak	24.28	0.51
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak	26.82	0.55
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak	29.41	0.59
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak	31.97	0.59
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak	14.43	0.43
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak	16.55	0.47
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak	21.59	0.47
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak	26.65	0.51
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak	31.69	0.51
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak	36.68	0.55
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak	41.87	0.55
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak	46.93	0.59
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak	51.95	0.59
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak	57.07	0.62
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak	62.13	0.62

06 46 36 00-0835 Walnut (06 46 36)

06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut	3.59	0.43
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut	4.75	0.43
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut	5.91	0.43
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut	7.06	0.47
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut	8.26	0.47
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut	9.46	0.51
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut	10.61	0.51
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut	11.77	0.51
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut	12.91	0.55
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut	14.12	0.59
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut	15.29	0.59
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut	4.26	0.43
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut	5.74	0.43
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut	7.21	0.47
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut	8.68	0.47
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut	10.19	0.51
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut	11.71	0.51
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut	13.17	0.51
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut	14.65	0.55
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut	16.09	0.55
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut	17.62	0.59
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut	19.11	0.59
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut	5.18	0.43
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut	7.10	0.43
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut	8.99	0.47
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut	10.92	0.47
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut	12.86	0.51
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut	14.82	0.51
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut	16.72	0.55
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	18.64	0.55
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	20.52	0.55
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	22.50	0.59
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	24.42	0.62
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	6.93	0.43
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	9.70	0.47
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	12.46	0.47
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut	15.23	0.51
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut	17.99	0.51
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut	20.85	0.55
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut	23.61	0.55
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut	26.38	0.59
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut	29.41	0.59
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut	31.95	0.62
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut	34.74	0.62
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut	11.47	0.47
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut	16.49	0.47
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut	21.49	0.47
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut	26.55	0.51
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut	31.57	0.51
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut	36.65	0.55
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut	41.67	0.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0887	LF		2" x 8-1/2" Custom Shaped Walnut	46.72	0.59
06 46 36 00-0888	LF		2" x 9-1/2" Custom Shaped Walnut	51.74	0.59
06 46 36 00-0889	LF		2" x 10-1/2" Custom Shaped Walnut	56.76	0.62
06 46 36 00-0890	LF		2" x 11-1/2" Custom Shaped Walnut	61.85	0.66
06 46 36 00-0891	LF		2-1/2" x 1-1/2" Custom Shaped Walnut	14.28	0.47
06 46 36 00-0892	LF		2-1/2" x 2-1/2" Custom Shaped Walnut	20.69	0.47
06 46 36 00-0893	LF		2-1/2" x 3-1/2" Custom Shaped Walnut	27.10	0.51
06 46 36 00-0894	LF		2-1/2" x 4-1/2" Custom Shaped Walnut	33.54	0.51
06 46 36 00-0895	LF		2-1/2" x 5-1/2" Custom Shaped Walnut	39.95	0.51
06 46 36 00-0896	LF		2-1/2" x 6-1/2" Custom Shaped Walnut	46.43	0.55
06 46 36 00-0897	LF		2-1/2" x 7-1/2" Custom Shaped Walnut	52.83	0.59
06 46 36 00-0898	LF		2-1/2" x 8-1/2" Custom Shaped Walnut	59.29	0.59
06 46 36 00-0899	LF		2-1/2" x 9-1/2" Custom Shaped Walnut	65.68	0.62
06 46 36 00-0900	LF		2-1/2" x 10-1/2" Custom Shaped Walnut	72.09	0.62
06 46 36 00-0901	LF		2-1/2" x 11-1/2" Custom Shaped Walnut	78.58	0.66

06 48 Wood Frames (06 40)

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames (06 48)

06 48 13 00-0001 Exterior Door Frames (06 48 13)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA		3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	232.40	22.24
			For Birch, Add	65.78	
			For Mahogany, Add	159.76	
06 48 13 00-0003	EA		3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	245.01	23.31
			For Birch, Add	69.51	
			For Mahogany, Add	168.80	
06 48 13 00-0004	EA		4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	257.61	24.22
			For Birch, Add	73.22	
			For Mahogany, Add	177.83	
06 48 13 00-0005	EA		5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	282.30	25.92
			For Birch, Add	80.65	
			For Mahogany, Add	195.87	
06 48 13 00-0006	EA		6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	307.27	27.78
			For Birch, Add	88.10	
			For Mahogany, Add	213.95	
06 48 13 00-0007	EA		3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	389.88	22.32
06 48 13 00-0008	EA		3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	394.72	23.31
06 48 13 00-0009	EA		4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	399.55	24.30
06 48 13 00-0010	EA		5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	408.45	25.88
06 48 13 00-0011	EA		6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	418.18	27.86
06 48 13 00-0012	EA		3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	286.48	22.32
06 48 13 00-0013	EA		3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	300.65	23.31
06 48 13 00-0014	EA		4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	314.86	24.30
06 48 13 00-0015	EA		5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	342.42	25.88
06 48 13 00-0016	EA		6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	370.78	27.86

06 48 16 Interior Wood Door Frames (06 48)

06 48 16 00-0001 Interior Door Frames (06 48 16)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA		2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	118.45	10.59
			For Oak Or Maple, Add	30.16	
			For Birch, Add	34.05	
			For Mahogany, Add	82.69	
			For Walnut Frame, Add	43.78	
06 48 16 00-0003	EA		2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	119.37	10.63
			For Oak Or Maple, Add	30.41	
			For Birch, Add	34.34	
			For Mahogany, Add	83.39	
			For Walnut Frame, Add	44.15	
06 48 16 00-0004	EA		2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	120.52	10.83
			For Oak Or Maple, Add	30.64	
			For Birch, Add	34.59	
			For Mahogany, Add	84.01	
			For Walnut Frame, Add	44.48	
06 48 16 00-0005	EA		3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	122.04	11.10
			For Oak Or Maple, Add	30.94	
			For Birch, Add	34.93	
			For Mahogany, Add	84.84	
			For Walnut Frame, Add	44.91	
06 48 16 00-0006	EA		3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	124.72	11.38
			For Oak Or Maple, Add	31.60	
			For Birch, Add	35.67	
			For Mahogany, Add	86.63	
			For Walnut Frame, Add	45.86	
06 48 16 00-0007	EA		4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	131.51	12.09
			For Oak Or Maple, Add	33.27	
			For Birch, Add	37.56	
			For Mahogany, Add	91.21	
			For Walnut Frame, Add	48.29	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 48 Wood Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0008	EA		5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim.....	138.90	13.07
			<i>For Oak Or Maple, Add</i>	34.94	
			<i>For Birch, Add</i>	39.45	
			<i>For Mahogany, Add</i>	95.81	
			<i>For Walnut Frame, Add</i>	50.72	
06 48 16 00-0009	EA		6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim.....	145.89	13.91
			<i>For Oak Or Maple, Add</i>	36.61	
			<i>For Birch, Add</i>	41.34	
			<i>For Mahogany, Add</i>	100.39	
			<i>For Walnut Frame, Add</i>	53.15	
06 48 16 00-0010	LF		4-9/16", Pine Interior Door Frame	3.68	0.95
			<i>For Oak Or Maple, Add</i>	0.55	
			<i>For Birch, Add</i>	0.62	
			<i>For Mahogany, Add</i>	1.51	
			<i>For Walnut Frame, Add</i>	0.80	

06 49 Wood Screens and Exterior Wood Shutters (06 40)**06 49 19 Exterior Wood Shutters** (06 49)

See CSI section 10 71 13 13-0000 for exterior shutters.

06 50 Structural Plastics (06)**06 51 Structural Plastic Shapes And Plates** (06 50)**06 51 13 Plastic Lumber** (06 51)

Note: Available in gray, redwood, black. Plastic lumber can be cut with saw for desired length or shape, drilled, screwed, nailed or stapled.

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber (06 51 13)

06 51 13 00-0002	LF		2" x 6", Beam Or Girder, Recycled Plastic Lumber	6.44	0.64
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.05	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.50	
			<i>For White Color, Add</i>	2.35	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.99	
06 51 13 00-0003	LF		2" x 8", Beam Or Girder, Recycled Plastic Lumber	8.35	0.69
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.72	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.66	
			<i>For White Color, Add</i>	3.13	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.65	
06 51 13 00-0004	LF		2" x 10", Beam Or Girder, Recycled Plastic Lumber	10.06	0.74
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.33	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.81	
			<i>For White Color, Add</i>	3.83	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.24	
06 51 13 00-0005	LF		3" x 10", Beam Or Girder, Recycled Plastic Lumber	14.91	0.89
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.05	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.23	
			<i>For White Color, Add</i>	5.80	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.91	
06 51 13 00-0006	LF		3" x 12", Beam Or Girder, Recycled Plastic Lumber	17.92	1.00
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.11	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.49	
			<i>For White Color, Add</i>	7.01	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.94	
06 51 13 00-0007	LF		4" x 4", Beam Or Girder, Recycled Plastic Lumber	9.35	0.86
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.00	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.73	
			<i>For White Color, Add</i>	3.45	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.92	
06 51 13 00-0008	LF		4" x 6", Beam Or Girder, Recycled Plastic Lumber	12.83	0.92
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.27	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.04	
			<i>For White Color, Add</i>	4.90	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.15	
06 51 13 00-0009	LF		5" x 5", Beam Or Girder, Recycled Plastic Lumber	13.37	0.94
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.45	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.08	
			<i>For White Color, Add</i>	5.11	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.33	
06 51 13 00-0010	LF		6" x 6", Beam Or Girder, Recycled Plastic Lumber	18.73	1.02
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.39	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.55	
			<i>For White Color, Add</i>	7.34	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0011 LF 6" x 8", Beam Or Girder, Recycled Plastic Lumber.....	25.88	1.08
For Reinforced Structural Plastic Lumber, Add	9.00	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.19	
For White Color, Add	10.34	
For All Other Colors (Except Black, Brown Or White), Add	8.76	
06 51 13 00-0012 Joists, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0013 LF 2" x 4", Joist, Recycled Plastic Lumber.....	4.25	0.35
For Reinforced Structural Plastic Lumber, Add	1.38	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.34	
For White Color, Add	1.59	
For All Other Colors (Except Black, Brown Or White), Add	1.34	
06 51 13 00-0014 LF 2" x 6", Joist, Recycled Plastic Lumber.....	6.05	0.37
For Reinforced Structural Plastic Lumber, Add	2.05	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.50	
For White Color, Add	2.35	
For All Other Colors (Except Black, Brown Or White), Add	1.99	
06 51 13 00-0015 LF 2" x 8", Joist, Recycled Plastic Lumber.....	7.95	0.41
For Reinforced Structural Plastic Lumber, Add	2.72	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.66	
For White Color, Add	3.13	
For All Other Colors (Except Black, Brown Or White), Add	2.65	
06 51 13 00-0016 LF 2" x 10", Joist, Recycled Plastic Lumber.....	9.71	0.50
For Reinforced Structural Plastic Lumber, Add	3.33	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.81	
For White Color, Add	3.83	
For All Other Colors (Except Black, Brown Or White), Add	3.24	
06 51 13 00-0017 LF 3" x 10", Joist, Recycled Plastic Lumber.....	14.47	0.58
For Reinforced Structural Plastic Lumber, Add	5.05	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.23	
For White Color, Add	5.80	
For All Other Colors (Except Black, Brown Or White), Add	4.91	
06 51 13 00-0018 LF 3" x 12", Joist, Recycled Plastic Lumber.....	17.57	0.74
For Reinforced Structural Plastic Lumber, Add	6.11	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.49	
For White Color, Add	7.01	
For All Other Colors (Except Black, Brown Or White), Add	5.94	
06 51 13 00-0019 LF 4" x 4", Joist, Recycled Plastic Lumber.....	8.87	0.53
For Reinforced Structural Plastic Lumber, Add	3.00	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.73	
For White Color, Add	3.45	
For All Other Colors (Except Black, Brown Or White), Add	2.92	
06 51 13 00-0020 LF 4" x 6", Joist, Recycled Plastic Lumber.....	12.32	0.56
For Reinforced Structural Plastic Lumber, Add	4.27	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.04	
For White Color, Add	4.90	
For All Other Colors (Except Black, Brown Or White), Add	4.15	
06 51 13 00-0021 LF 5" x 5", Joist, Recycled Plastic Lumber.....	12.90	0.61
For Reinforced Structural Plastic Lumber, Add	4.45	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.08	
For White Color, Add	5.11	
For All Other Colors (Except Black, Brown Or White), Add	4.33	
06 51 13 00-0022 LF 6" x 6", Joist, Recycled Plastic Lumber.....	18.26	0.69
For Reinforced Structural Plastic Lumber, Add	6.39	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.55	
For White Color, Add	7.34	
For All Other Colors (Except Black, Brown Or White), Add	6.22	
06 51 13 00-0023 LF 6" x 8", Joist, Recycled Plastic Lumber.....	25.40	0.74
For Reinforced Structural Plastic Lumber, Add	9.00	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.19	
For White Color, Add	10.34	
For All Other Colors (Except Black, Brown Or White), Add	8.76	
06 51 13 00-0024 Columns, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0025 LF 4" x 4", Column, Recycled Plastic Lumber.....	9.74	1.13
For Reinforced Structural Plastic Lumber, Add	3.00	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.73	
For White Color, Add	3.45	
For All Other Colors (Except Black, Brown Or White), Add	2.92	
06 51 13 00-0026 LF 4" x 6", Column, Recycled Plastic Lumber.....	13.82	1.61
For Reinforced Structural Plastic Lumber, Add	4.27	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.04	
For White Color, Add	4.90	
For All Other Colors (Except Black, Brown Or White), Add	4.15	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0027 LF 5" x 5", Column, Recycled Plastic Lumber	14.60	1.79
For Reinforced Structural Plastic Lumber, Add	4.45	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.08	
For White Color, Add	5.11	
For All Other Colors (Except Black, Brown Or White), Add	4.33	
06 51 13 00-0028 LF 6" x 6", Column, Recycled Plastic Lumber	20.19	2.04
For Reinforced Structural Plastic Lumber, Add	6.39	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.55	
For White Color, Add	7.34	
For All Other Colors (Except Black, Brown Or White), Add	6.22	
06 51 13 00-0029 LF 6" x 8", Column, Recycled Plastic Lumber	27.93	2.52
For Reinforced Structural Plastic Lumber, Add	9.00	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.19	
For White Color, Add	10.34	
For All Other Colors (Except Black, Brown Or White), Add	8.76	
06 51 13 00-0030 Walls, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0031 LF 2" x 3", Walls, Recycled Plastic Lumber	3.78	0.35
For Reinforced Structural Plastic Lumber, Add	1.21	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.29	
For White Color, Add	1.39	
For All Other Colors (Except Black, Brown Or White), Add	1.17	
06 51 13 00-0032 LF 2" x 4", Walls, Recycled Plastic Lumber	4.33	0.41
For Reinforced Structural Plastic Lumber, Add	1.38	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.34	
For White Color, Add	1.59	
For All Other Colors (Except Black, Brown Or White), Add	1.34	
06 51 13 00-0033 LF 2" x 6", Walls, Recycled Plastic Lumber	6.16	0.44
For Reinforced Structural Plastic Lumber, Add	2.05	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.50	
For White Color, Add	2.35	
For All Other Colors (Except Black, Brown Or White), Add	1.99	
06 51 13 00-0034 LF 2" x 8", Walls, Recycled Plastic Lumber	8.03	0.47
For Reinforced Structural Plastic Lumber, Add	2.72	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.66	
For White Color, Add	3.13	
For All Other Colors (Except Black, Brown Or White), Add	2.65	
06 51 13 00-0035 Other Shapes, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0036 LF 5/4" x 4", Other Shapes, Recycled Plastic Lumber	3.69	0.32
For Reinforced Structural Plastic Lumber, Add	1.19	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.29	
For White Color, Add	1.36	
For All Other Colors (Except Black, Brown Or White), Add	1.16	
06 51 13 00-0037 LF 5/4" x 6", Other Shapes, Recycled Plastic Lumber	4.78	0.35
For Reinforced Structural Plastic Lumber, Add	1.58	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.38	
For White Color, Add	1.81	
For All Other Colors (Except Black, Brown Or White), Add	1.53	
06 51 13 00-0038 LF 5/4" x 8", Other Shapes, Recycled Plastic Lumber	6.37	0.35
For Reinforced Structural Plastic Lumber, Add	2.16	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.53	
For White Color, Add	2.49	
For All Other Colors (Except Black, Brown Or White), Add	2.11	
06 51 13 00-0039 LF 1" x 4", Other Shapes, Recycled Plastic Lumber	3.72	0.32
For Reinforced Structural Plastic Lumber, Add	1.20	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.29	
For White Color, Add	1.38	
For All Other Colors (Except Black, Brown Or White), Add	1.17	
06 51 13 00-0040 LF 1" x 6", Other Shapes, Recycled Plastic Lumber	4.13	0.35
For Reinforced Structural Plastic Lumber, Add	1.34	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.32	
For White Color, Add	1.53	
For All Other Colors (Except Black, Brown Or White), Add	1.30	
06 51 13 00-0041 LF 1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	4.22	0.35
For Reinforced Structural Plastic Lumber, Add	1.37	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.33	
For White Color, Add	1.57	
For All Other Colors (Except Black, Brown Or White), Add	1.33	
06 51 13 00-0042 LF 2" x 2", Other Shapes, Recycled Plastic Lumber	2.49	0.31
For Reinforced Structural Plastic Lumber, Add	0.76	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.19	
For White Color, Add	0.88	
For All Other Colors (Except Black, Brown Or White), Add	0.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0043	LF		2" x 3", Other Shapes, Recycled Plastic Lumber 3.78		0.35
			For Reinforced Structural Plastic Lumber, Add	1.21	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.29	
			For White Color, Add	1.39	
			For All Other Colors (Except Black, Brown Or White), Add	1.17	
06 51 13 00-0044	LF		2" x 4", Other Shapes, Recycled Plastic Lumber 4.33		0.41
			For Reinforced Structural Plastic Lumber, Add	1.38	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.34	
			For White Color, Add	1.59	
			For All Other Colors (Except Black, Brown Or White), Add	1.34	
06 51 13 00-0045	LF		2" x 6", Other Shapes, Recycled Plastic Lumber 6.16		0.44
			For Reinforced Structural Plastic Lumber, Add	2.05	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.50	
			For White Color, Add	2.35	
			For All Other Colors (Except Black, Brown Or White), Add	1.99	
06 51 13 00-0046	LF		2" x 8", Other Shapes, Recycled Plastic Lumber 8.03		0.47
			For Reinforced Structural Plastic Lumber, Add	2.72	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.66	
			For White Color, Add	3.13	
			For All Other Colors (Except Black, Brown Or White), Add	2.65	
06 51 13 00-0047	LF		2" x 10", Other Shapes, Recycled Plastic Lumber 9.71		0.50
			For Reinforced Structural Plastic Lumber, Add	3.33	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.81	
			For White Color, Add	3.83	
			For All Other Colors (Except Black, Brown Or White), Add	3.24	
06 51 13 00-0048	LF		2" x 12", Other Shapes, Recycled Plastic Lumber 11.82		0.53
			For Reinforced Structural Plastic Lumber, Add	4.10	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.00	
			For White Color, Add	4.71	
			For All Other Colors (Except Black, Brown Or White), Add	3.99	
06 51 13 00-0049	LF		3" x 4", Other Shapes, Recycled Plastic Lumber 6.30		0.48
			For Reinforced Structural Plastic Lumber, Add	2.08	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.50	
			For White Color, Add	2.38	
			For All Other Colors (Except Black, Brown Or White), Add	2.02	
06 51 13 00-0050	LF		3" x 6", Other Shapes, Recycled Plastic Lumber 9.45		0.52
			For Reinforced Structural Plastic Lumber, Add	3.22	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.78	
			For White Color, Add	3.70	
			For All Other Colors (Except Black, Brown Or White), Add	3.14	
06 51 13 00-0051	LF		3" x 8", Other Shapes, Recycled Plastic Lumber 12.43		0.56
			For Reinforced Structural Plastic Lumber, Add	4.31	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.05	
			For White Color, Add	4.95	
			For All Other Colors (Except Black, Brown Or White), Add	4.19	
06 51 13 00-0052	LF		3" x 10", Other Shapes, Recycled Plastic Lumber 14.47		0.58
			For Reinforced Structural Plastic Lumber, Add	5.05	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.23	
			For White Color, Add	5.80	
			For All Other Colors (Except Black, Brown Or White), Add	4.91	
06 51 13 00-0053	LF		3" x 12", Other Shapes, Recycled Plastic Lumber 17.57		0.74
			For Reinforced Structural Plastic Lumber, Add	6.11	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.49	
			For White Color, Add	7.01	
			For All Other Colors (Except Black, Brown Or White), Add	5.94	
06 51 13 00-0054	LF		4" x 4", Other Shapes, Recycled Plastic Lumber 8.87		0.53
			For Reinforced Structural Plastic Lumber, Add	3.00	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.73	
			For White Color, Add	3.45	
			For All Other Colors (Except Black, Brown Or White), Add	2.92	
06 51 13 00-0055	LF		4" x 6", Other Shapes, Recycled Plastic Lumber 12.32		0.56
			For Reinforced Structural Plastic Lumber, Add	4.27	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.04	
			For White Color, Add	4.90	
			For All Other Colors (Except Black, Brown Or White), Add	4.15	
06 51 13 00-0056	LF		4" x 8", Other Shapes, Recycled Plastic Lumber 16.73		0.60
			For Reinforced Structural Plastic Lumber, Add	5.87	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.43	
			For White Color, Add	6.74	
			For All Other Colors (Except Black, Brown Or White), Add	5.71	
06 51 13 00-0057	LF		5" x 5", Other Shapes, Recycled Plastic Lumber 12.90		0.61
			For Reinforced Structural Plastic Lumber, Add	4.45	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.08	
			For White Color, Add	5.11	
			For All Other Colors (Except Black, Brown Or White), Add	4.33	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	18.26	0.69
		<i>For Reinforced Structural Plastic Lumber, Add</i>	6.39	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.55	
		<i>For White Color, Add</i>	7.34	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.22	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	25.40	0.74
		<i>For Reinforced Structural Plastic Lumber, Add</i>	9.00	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	2.19	
		<i>For White Color, Add</i>	10.34	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.76	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	36.10	0.82
		<i>For Reinforced Structural Plastic Lumber, Add</i>	12.92	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	3.14	
		<i>For White Color, Add</i>	14.84	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	12.57	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	32.04	0.79
		<i>For Reinforced Structural Plastic Lumber, Add</i>	11.43	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	2.78	
		<i>For White Color, Add</i>	13.13	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	11.12	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	55.28	0.82
		<i>For Reinforced Structural Plastic Lumber, Add</i>	20.01	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	4.87	
		<i>For White Color, Add</i>	22.99	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	19.47	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	76.99	0.87
		<i>For Reinforced Structural Plastic Lumber, Add</i>	28.03	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	6.82	
		<i>For White Color, Add</i>	32.19	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	27.27	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	2.72	0.28
		<i>For Reinforced Structural Plastic Lumber, Add</i>	0.86	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	0.21	
		<i>For White Color, Add</i>	0.99	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	0.84	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	8.29	0.35
		<i>For Reinforced Structural Plastic Lumber, Add</i>	2.87	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	0.70	
		<i>For White Color, Add</i>	3.30	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.80	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	9.11	0.41
		<i>For Reinforced Structural Plastic Lumber, Add</i>	3.15	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	0.77	
		<i>For White Color, Add</i>	3.62	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.07	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	11.30	0.50
		<i>For Reinforced Structural Plastic Lumber, Add</i>	3.92	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	0.95	
		<i>For White Color, Add</i>	4.50	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.81	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	25.54	0.58
		<i>For Reinforced Structural Plastic Lumber, Add</i>	9.15	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	2.22	
		<i>For White Color, Add</i>	10.51	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.90	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	2.12	0.31
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	3.23	0.32
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	4.80	0.34
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	6.20	0.35

06 52 Plastic Structural Assemblies (06 52)**06 52 13 Plastic Columns** (06 52)**06 52 13 00-0001 Round Fiberglass Columns** (06 52 13)

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	13.58	3.17
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	18.81	4.61
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	22.46	5.19
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	31.13	5.42
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	39.02	6.26
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	26.66	6.00
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	30.10	6.48
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	36.93	7.19
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	58.65	7.68
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	86.15	8.39



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0012 Fluted Fiberglass Columns (06 52 13)					
06 52 13 00-0013	LF		6" Diameter, Fluted Fiberglass Column	15.02	3.17
06 52 13 00-0014	LF		8" Diameter, Fluted Fiberglass Column	20.73	4.61
06 52 13 00-0015	LF		10" Diameter, Fluted Fiberglass Column	24.88	5.19
06 52 13 00-0016	LF		12" Diameter, Fluted Fiberglass Column	35.19	5.42
06 52 13 00-0017	LF		15" Diameter, Fluted Fiberglass Column	44.32	6.28
06 52 13 00-0018	EA		6" Diameter, Base And Cap For Fluted Fiberglass Columns	29.60	6.00
06 52 13 00-0019	EA		8" Diameter, Base And Cap For Fluted Fiberglass Columns	33.53	6.48
06 52 13 00-0020	EA		10" Diameter, Base And Cap For Fluted Fiberglass Columns	41.43	7.19
06 52 13 00-0021	EA		12" Diameter, Base And Cap For Fluted Fiberglass Columns	67.30	7.68
06 52 13 00-0022	EA		15" Diameter, Base And Cap For Fluted Fiberglass Columns	100.02	8.39
06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)					
06 52 13 00-0024	EA		8" Roman Ionic Cap And Base For Fiberglass Columns	169.48	7.19
06 52 13 00-0025	EA		10" Roman Ionic Cap And Base For Fiberglass Columns	229.79	8.39
06 52 13 00-0026	EA		12" Roman Ionic Cap And Base For Fiberglass Columns	297.96	9.59
06 52 13 00-0027	EA		8" Scamozzi Cap And Base For Fiberglass Columns	205.80	7.19
06 52 13 00-0028	EA		10" Scamozzi Cap And Base For Fiberglass Columns	248.44	8.39
06 52 13 00-0029	EA		12" Scamozzi Cap And Base For Fiberglass Columns	370.59	9.59
06 52 13 00-0030	EA		8" Corinthian Cap And Base For Fiberglass Columns	264.69	7.19
06 52 13 00-0031	EA		10" Corinthian Cap And Base For Fiberglass Columns	322.06	8.39
06 52 13 00-0032	EA		12" Corinthian Cap And Base For Fiberglass Columns	431.45	9.59
06 52 13 00-0033	EA		8" Temple Of Winds Cap And Base For Fiberglass Columns	172.43	7.19
06 52 13 00-0034	EA		10" Temple Of Winds Cap And Base For Fiberglass Columns	235.68	8.39
06 52 13 00-0035	EA		12" Temple Of Winds Cap And Base For Fiberglass Columns	303.85	9.59
06 52 13 00-0036	EA		8" Greek Erectheum Cap And Base For Fiberglass Columns	172.43	7.19
06 52 13 00-0037	EA		10" Greek Erectheum Cap And Base For Fiberglass Columns	208.20	8.39
06 52 13 00-0038	EA		12" Greek Erectheum Cap And Base For Fiberglass Columns	279.31	9.59
06 53 Plastic Decking (06 50)					
06 53 16 Plastic Stair Treads (06 53)					
06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads (06 53 16)					
Note: Includes standard colors and anchors. Excludes stringers.					
06 53 16 00-0002	SF		12" Depth, 1/2" Thick, 1-1/2" Lip, Fiberglass Reinforced Plastic Stair Tread	43.76	2.14
06 60 Plastic Fabrications (06)					
06 65 Plastic Trim (06 60)					
06 65 00 00-0001 Plastic Moldings (06 65)					
Note: All dimensions are nominal.					
06 65 00 00-0002 Base, Plastic Moldings (06 65 00 00-0001)					
06 65 00 00-0003	LF		3-1/2" High, Base, Plastic Molding	2.69	0.78
06 65 00 00-0004	LF		4-1/2" High, Base, Plastic Molding	3.25	0.97
06 65 00 00-0005	LF		3/4" x 1", Base Shoe, Plastic Molding	2.40	0.82
06 65 00 00-0006 Cornice, Plastic Moldings (06 65 00 00-0001)					
06 65 00 00-0007	LF		1" x 2" Cornice, Plastic Molding	2.40	0.78
06 65 00 00-0008	LF		1" x 4" Cornice, Plastic Molding	3.16	0.82
06 65 00 00-0009	LF		1" x 6" Cornice, Plastic Molding	4.62	0.85
06 65 00 00-0010	LF		1" x 8" Cornice, Plastic Molding	5.40	0.89
06 65 00 00-0011	LF		1" x 10" Cornice, Plastic Molding	6.32	0.93
06 65 00 00-0012	LF		1" x 12" Cornice, Plastic Molding	8.30	0.97
06 65 00 00-0013 Crown Or Bed, Plastic Moldings (06 65 00 00-0001)					
06 65 00 00-0014	LF		9/16" x 1-5/8" Crown Or Bed, Plastic Molding	4.97	0.78
06 65 00 00-0015	LF		9/16" x 2-1/4" Crown Or Bed, Plastic Molding	6.73	0.97
06 65 00 00-0016	LF		9/16" x 3-1/2" Crown Or Bed, Plastic Molding	7.06	0.97
06 65 00 00-0017	LF		9/16" x 3-5/8" Crown Or Bed, Plastic Molding	7.38	0.97
06 65 00 00-0018	LF		5/8" x 4-1/4" Crown Or Bed, Plastic Molding	9.74	1.17
06 65 00 00-0019	LF		11/16" x 4-5/8" Crown Or Bed, Plastic Molding	11.78	1.17
06 65 00 00-0020 Dentil, Plastic Moldings (06 65 00 00-0001)					
06 65 00 00-0021	LF		11/16" x 1-3/8" Dentil, Plastic Molding	4.10	0.78
06 65 00 00-0022	LF		5/8" x 2-1/2" Dentil, Plastic Molding	4.72	0.78
06 65 00 00-0023	LF		1-3/8" x 3-3/8" Dentil, Plastic Molding	6.12	0.78
06 65 00 00-0024	LF		1-1/2" x 4-1/2" Dentil, Plastic Molding	8.55	0.78
06 65 00 00-0025 Cove, Plastic Moldings (06 65 00 00-0001)					
06 65 00 00-0026	LF		3/8" x 3/8" Cove, Plastic Molding	1.45	0.43
06 65 00 00-0027	LF		1/2" x 1/2" Cove, Plastic Molding	1.61	0.43
06 65 00 00-0028	LF		5/8" x 5/8" Cove, Plastic Molding	2.18	0.51
06 65 00 00-0029	LF		3/4" x 3/4" Cove, Plastic Molding	2.18	0.51

06 Wood, Plastics, and Composites**06 60 Plastic Fabrications****06 65 Plastic Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0030	LF		15/16" x 15/16" Cove, Plastic Molding	2.91	0.51
06 65 00 00-0031	LF		9/16" x 1-3/4" Cove, Plastic Molding	3.86	0.59
06 65 00 00-0032	LF		11/16" x 2-3/4" Cove, Plastic Molding	5.40	0.59
06 65 00 00-0033			Chair Rail, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0034	LF		1/2" x 1-5/8" Chair Rail, Plastic Molding	2.54	0.59
06 65 00 00-0035	LF		5/8" x 2-1/2" Chair Rail, Plastic Molding	3.42	0.78
06 65 00 00-0036	LF		5/8" x 3-1/2" Chair Rail, Plastic Molding	4.37	0.78
06 65 00 00-0037			Door, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0038	LF		1-1/8" Wide, Door, Plastic Molding	1.97	0.70
06 65 00 00-0039	LF		1-1/8" Wide, Detailed Door, Plastic Molding	1.99	0.70
06 65 00 00-0040			Trim, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0041	LF		1/2" x 1/2" Quarter Round Trim, Plastic Molding	1.98	0.82
06 65 00 00-0042	LF		3/4" x 3/4" Quarter Round Trim, Plastic Molding	2.32	0.82
06 65 00 00-0043	LF		1-1/4" x 2" Brick Mould, Plastic Molding	2.88	0.78
06 65 00 00-0044	LF		1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	3.50	0.78
06 65 00 00-0045	LF		11/16" x 1-5/8" Drip Cap, Plastic Molding	2.27	0.78
06 65 00 00-0046	LF		2-3/4" x 2" Water Table, Plastic Molding	3.95	0.78
06 65 00 00-0047	LF		3/8" x 2" Garage Door Stop, Plastic Molding	2.62	0.78
06 65 00 00-0048			Extruded Polyvinyl Chloride (PVC) Trimboard (06 65)		
Note: As manufactured by Azek or Kleer. All dimensions are nominal.					
06 65 00 00-0049	LF		1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	2.13	0.31
06 65 00 00-0050	LF		1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	3.16	0.35
06 65 00 00-0051	LF		1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	4.20	0.38
06 65 00 00-0052	LF		1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	5.12	0.40
06 65 00 00-0053	LF		1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	6.15	0.41
06 65 00 00-0054	LF		5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	2.68	0.31
06 65 00 00-0055	LF		5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	4.02	0.35
06 65 00 00-0056	LF		5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	5.15	0.38
06 65 00 00-0057	LF		5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	6.43	0.40
06 65 00 00-0058	LF		5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	7.61	0.41
06 65 00 00-0059	LF		3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	6.13	0.40
06 65 00 00-0060	LF		5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	8.26	0.41
06 65 00 00-0061	SF		1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	4.24	0.35
06 65 00 00-0062	SF		3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	6.20	0.38
06 70 Structural Composites (06)					
06 74 Composite Gratings (06 70)					
06 74 13 Fiberglass Reinforced Gratings (06 74)					
06 74 13 00-0001			Molded Fiberglass Gratings And Coverings (06 74 13)		
06 74 13 00-0002			Vi-Corr Resin System (06 74 13 00-0001)		
Note: Orange or dark gray.					
06 74 13 00-0003	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	30.30	0.89
06 74 13 00-0004	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	29.39	0.89
06 74 13 00-0005	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	38.74	0.89
06 74 13 00-0006	SF		2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	41.75	1.13
06 74 13 00-0007	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	31.86	0.89
06 74 13 00-0008	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	30.92	0.89
06 74 13 00-0009	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	40.99	0.89
06 74 13 00-0010	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	43.87	1.13
06 74 13 00-0011	SF		1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	28.89	0.71
06 74 13 00-0012	SF		1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	47.33	0.78
06 74 13 00-0013	SF		3/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	65.16	0.86
06 74 13 00-0014			IFR Fire Retardant Isophthalic Resin (06 74 13 00-0001)		
06 74 13 00-0015	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	27.77	0.89
06 74 13 00-0016	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	25.92	0.89
06 74 13 00-0017	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	33.72	0.89
06 74 13 00-0018	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	36.18	1.13
06 74 13 00-0019	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	29.04	0.89
06 74 13 00-0020	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	26.65	0.89
06 74 13 00-0021	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	36.45	1.13
06 74 13 00-0022	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	38.28	1.13
06 74 13 00-0023	SF		1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	25.35	0.71
06 74 13 00-0024	SF		1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	36.21	0.78
06 74 13 00-0025	SF		3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	50.04	0.86
06 74 13 00-0026			Corvex Polyester Resin (06 74 13 00-0001)		
Note: Dark gray.					
06 74 13 00-0027	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	23.37	0.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0028 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	22.39	0.89
06 74 13 00-0029 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	27.41	0.89
06 74 13 00-0030 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	31.40	1.13
06 74 13 00-0031 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	24.99	0.89
06 74 13 00-0032 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	24.00	0.89
06 74 13 00-0033 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	29.29	0.89
06 74 13 00-0034 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	33.00	1.13
06 74 13 00-0035 SF 1/4" Corvex Polyester Resin, Fiberplate Covering	22.26	0.71
06 74 13 00-0036 SF 1/2" Corvex Polyester Resin, Fiberplate Covering	36.05	0.78
06 74 13 00-0037 SF 3/4" Corvex Polyester Resin, Fiberplate Covering	50.31	0.86
06 74 13 00-0038 XFR Extra Fire Retardant (06 74 13 00-0001)		
06 74 13 00-0039 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	34.98	0.89
06 74 13 00-0040 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	33.92	0.89
06 74 13 00-0041 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	46.90	0.89
06 74 13 00-0042 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	49.89	1.13
06 74 13 00-0043 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	36.56	0.89
06 74 13 00-0044 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	35.53	0.89
06 74 13 00-0045 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	48.78	0.89
06 74 13 00-0046 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	52.16	1.13
06 74 13 00-0047 SF 1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	33.24	0.71
06 74 13 00-0048 SF 1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	54.29	0.78
06 74 13 00-0049 ELS Extremely Low Smoke Resin (06 74 13 00-0001)		
06 74 13 00-0050 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	35.90	0.89
06 74 13 00-0051 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	34.78	0.89
06 74 13 00-0052 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	45.61	0.89
06 74 13 00-0053 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	48.67	1.13
06 74 13 00-0054 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	37.37	0.89
06 74 13 00-0055 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	36.44	0.89
06 74 13 00-0056 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	47.42	0.89
06 74 13 00-0057 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	50.50	1.13
06 74 13 00-0058 SF 1/4" ELS Extremely Low Smoke Resin, Fiberplate Covering	37.27	0.71
06 74 13 00-0059 SF 1/2" ELS Extremely Low Smoke Resin, Fiberplate Covering	67.93	0.78
06 74 13 00-0060 Pultruded Fiberglass Grating (06 74 13)		
06 74 13 00-0061 ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060)		
Note: For moderately corrosive environments, green.		
06 74 13 00-0062 1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0063 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	25.16	1.13
06 74 13 00-0064 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	22.18	0.89
06 74 13 00-0065 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	28.62	1.13
06 74 13 00-0066 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	26.37	0.89
06 74 13 00-0067 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	19.35	1.13
06 74 13 00-0068 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	16.99	0.89
06 74 13 00-0069 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	22.35	1.13
06 74 13 00-0070 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	20.05	0.89
06 74 13 00-0071 1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0072 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	28.59	1.13
06 74 13 00-0073 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	25.69	0.89
06 74 13 00-0074 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	32.29	1.13
06 74 13 00-0075 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	30.22	0.89
06 74 13 00-0076 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	24.97	1.13
06 74 13 00-0077 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	22.68	0.89
06 74 13 00-0078 2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0079 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	24.33	1.13
06 74 13 00-0080 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	27.09	1.13
06 74 13 00-0081 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	33.08	1.13
06 74 13 00-0082 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	31.13	1.13
06 74 13 00-0083 VEF Vinyl Ester Resin System (06 74 13 00-0060)		
06 74 13 00-0084 1" VEF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0085 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	26.72	0.89
06 74 13 00-0086 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	23.75	0.89
06 74 13 00-0087 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin	30.22	0.89
06 74 13 00-0088 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin	34.88	0.89
06 74 13 00-0089 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VEF Vinyl Ester Resin	20.20	0.89
06 74 13 00-0090 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VEF Vinyl Ester Resin	17.92	0.89
06 74 13 00-0091 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin	23.39	0.89
06 74 13 00-0092 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin	21.35	0.89
06 74 13 00-0093 1-1/2" VEF Vinyl Ester Resin System (06 74 13 00-0083)		

06 Wood, Plastics, and Composites**06 70 Structural Composites****06 74 Composite Gratings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	29.47	0.89
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	26.53	0.89
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin	33.87	0.89
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin	31.54	0.89
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin	26.35	0.89
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin	24.17	0.89

06 74 13 00-0100 2" VEF Vinyl Ester Resin System (06 74 13 00-0083)

06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	25.64	1.13
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	23.52	1.13
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VEF Vinyl Ester Resin	34.92	1.13
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VEF Vinyl Ester Resin	33.87	1.13

06 80 Composite Fabrications (06)**06 82 Composite Trim (06 80)****06 82 00 00-0001 Fiberglass Castings (06 82)****06 82 00 00-0002 Fiberglass Angle, Equal Legs (06 82 00 00-0001)**

06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	4.80	1.48
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin	5.13	1.48
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	10.31	1.78
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin	11.63	1.78
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	11.71	1.78
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin	12.68	1.78
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	13.96	1.78
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin	16.02	1.78
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	41.11	2.21
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VEF Vinyl Ester Resin	47.74	2.21

06 82 00 00-0013 Fiberglass Channels (06 82 00 00-0001)

06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	5.45	2.21
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VEF Vinyl Ester Resin	5.78	2.21
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	13.70	2.52
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VEF Vinyl Ester Resin	13.70	2.52
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	23.00	2.52
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VEF Vinyl Ester Resin	27.19	2.52
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	21.44	2.52
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VEF Vinyl Ester Resin	25.75	2.52
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	32.59	3.45
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VEF Vinyl Ester Resin	37.98	3.45

06 82 00 00-0024 Fiberglass Wide Flange Beams (06 82 00 00-0001)

06 82 00 00-0025	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	18.42	2.96
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin	20.51	2.96
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	23.89	3.55
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin	24.89	3.55
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	40.26	4.44
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin	52.03	4.44
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	95.50	5.42
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin	108.37	5.42

06 82 00 00-0033 Fiberglass Flat Sheet (06 82 00 00-0001)

Note: Not to be used for bathroom board.

06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	15.10	2.52
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin	15.92	2.52
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	25.11	2.96
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin	29.48	2.96
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	34.69	3.55
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin	41.26	3.55
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	47.25	4.44
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin	57.30	4.44

06 82 00 00-0042 Fiberglass Bars (06 82 00 00-0001)**06 82 00 00-0043 Square Bars (06 82 00 00-0042)**

06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	8.63	1.78
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	13.12	2.61
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	15.55	3.45

06 82 00 00-0047 Round Bars (06 82 00 00-0042)

06 82 00 00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	5.10	1.48
06 82 00 00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	12.21	2.21
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VEF Vinyl Ester Resin	14.20	2.21
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	19.78	2.21
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	23.78	2.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0053 Fiberglass Tubes <small>(06 82 00 00-0001)</small>		
06 82 00 00-0054 Square Tube <small>(06 82 00 00-0053)</small>		
06 82 00 00-0055 LF 1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	6.00	1.48
06 82 00 00-0056 LF 1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	6.64	1.48
06 82 00 00-0057 LF 2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	9.42	1.78
06 82 00 00-0058 LF 2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	10.55	1.78
06 82 00 00-0059 LF 3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	19.54	2.21
06 82 00 00-0060 LF 3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	22.16	2.21
06 82 00 00-0061 LF 4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	22.91	2.66
06 82 00 00-0062 LF 4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	30.23	2.66
06 82 00 00-0063 Round Tube <small>(06 82 00 00-0053)</small>		
06 82 00 00-0064 LF 1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin.....	5.66	1.48
06 82 00 00-0065 LF 1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	5.95	1.48
06 82 00 00-0066 LF 2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin.....	11.95	1.78
06 82 00 00-0067 LF 2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	12.91	1.78
06 82 00 00-0068 Fiberglass Threaded Rods <small>(06 82 00 00-0001)</small>		
06 82 00 00-0069 LF 3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	8.84	1.13
06 82 00 00-0070 SF 1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	9.51	1.13
06 82 00 00-0071 LF 5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	10.91	1.28
06 82 00 00-0072 LF 3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	12.20	1.28
06 82 00 00-0073 LF 1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	13.67	1.28
06 82 00 00-0074 Grating Support Legs, VEFR Resin <small>(06 82 00 00-0001)</small>		
06 82 00 00-0075 EA Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings.....	21.94	
06 82 00 00-0076 EA Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings.....	9.40	
06 82 00 00-0077 EA Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings.....	35.35	
06 82 00 00-0078 Fiberglass Netting <small>(06 82 00 00-0001)</small>		
06 82 00 00-0079 SF 1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting.....	0.25	0.10
06 82 00 00-0080 SF 1/2" x 2" Mesh, Clear Flexible Fiberglass Netting.....	0.25	0.10
06 82 00 00-0081 SF 3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting.....	0.25	0.10
06 82 00 00-0082 SF 7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting.....	0.25	0.10
06 82 00 00-0083 SF 1" x 1" Mesh, Clear Flexible Fiberglass Netting.....	0.25	0.10
06 82 00 00-0084 SF 1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting.....	0.24	0.10
06 82 00 00-0085 SF 1/2" x 2" Mesh, Green Flexible Fiberglass Netting.....	0.24	0.10
06 82 00 00-0086 SF 3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting.....	0.24	0.10
06 82 00 00-0087 SF 7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting.....	0.24	0.10
06 82 00 00-0088 SF 1" x 1" Mesh, Green Flexible Fiberglass Netting.....	0.24	0.10
06 82 00 00-0089 Fiberglass Stair Treads <small>(06 82)</small>		
06 82 00 00-0090 Fiberglass Stair Treads <small>(06 82 00 00-0089)</small>		
06 82 00 00-0091 10-1/2" Deep Isophthalic Resin System <small>(06 82 00 00-0090)</small>		
06 82 00 00-0092 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	65.55	7.75
06 82 00 00-0093 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System.....	78.08	7.75
06 82 00 00-0094 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	90.62	7.75
06 82 00 00-0095 EA 1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	103.15	7.75
06 82 00 00-0096 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	73.07	7.75
06 82 00 00-0097 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System.....	87.48	7.75
06 82 00 00-0098 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	101.90	7.75
06 82 00 00-0099 EA 1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	116.31	7.75
06 82 00 00-0100 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	84.60	7.75
06 82 00 00-0101 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System.....	101.90	7.75
06 82 00 00-0102 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	119.20	7.75
06 82 00 00-0103 EA 2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	136.49	7.75
06 82 00 00-0104 12" Deep Isophthalic Resin System <small>(06 82 00 00-0090)</small>		
06 82 00 00-0105 EA 1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	72.71	7.75
06 82 00 00-0106 EA 1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System.....	87.04	7.75
06 82 00 00-0107 EA 1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System.....	101.37	7.75
06 82 00 00-0108 EA 1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System.....	115.69	7.75
06 82 00 00-0109 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	81.31	7.75
06 82 00 00-0110 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System.....	97.78	7.75
06 82 00 00-0111 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System.....	114.26	7.75
06 82 00 00-0112 EA 1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System.....	130.73	7.75
06 82 00 00-0113 EA 2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	94.49	7.75
06 82 00 00-0114 EA 2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System.....	114.26	7.75
06 82 00 00-0115 EA 2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System.....	134.03	7.75
06 82 00 00-0116 EA 2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System.....	153.80	7.75
06 82 00 00-0117 Other Fiberglass <small>(06 82)</small>		

06 Wood, Plastics, and Composites**06 80 Composite Fabrications****06 82 Composite Trim**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 82 00 00-0118	Fiberglass Splash Blocks <small>(06 82 00 00-0117)</small>		
06 82 00 00-0119	EA Standard Size Fiberglass Splash Block	8.31	1.04

06 83 Composite Paneling (06 80)

06 83 00 00-0001	Fiberglass Reinforced Polyester (FRP) Panels <small>(06 83)</small>		
	Note: Includes adhesive and trim.		
06 83 00 00-0002	SF Fiberglass Reinforced Polyester (FRP) Paneling Including Adhesive And Trim	3.12	0.53

END OF SECTION 06



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 Thermal And Moisture Protection

07 01 Operation And Maintenance Of Thermal And Moisture Protection ⁽⁰⁷⁾

07 01 50 Maintenance Of Membrane Roofing ^(07 01)

07 01 50 19 Preparation For Re-Roofing ^(07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing ^(07 01 50 19)

07 01 50 19-0002	SQ	Remove Pea Gravel Ballast From Roof, Vacuum And Disposal.....	21.19	
07 01 50 19-0003	SQ	Remove Gravel Ballast From Roof, Vacuum And Disposal	35.32	

07 05 Common Work Results For Thermal And Moisture Protection ⁽⁰⁷⁾

07 05 13 Small Quantities And Repairs For Roofing ^(07 05)

07 05 13 00-0001 Small Quantity Labor Set-Up Charge ^(07 05 13)

Note: For use with all roofing tasks where the total roof quantity is 4 squares or less. This adjustment is to allow for minimum charge for labor. Excludes material cost or labor to install material.

07 05 13 00-0002	EA	Labor Crew Up-Charge For 1 SQ Or Less.....	470.87	
07 05 13 00-0003	EA	Labor Crew Up-Charge For >1 To 2 SQ	352.31	
07 05 13 00-0004	EA	Labor Crew Up-Charge For >2 To 3 SQ	235.44	
07 05 13 00-0005	EA	Labor Crew Up-Charge For >3 To 4 SQ	117.44	

07 05 13 00-0006 Roof Repair ^(07 05 13)

Note: Less than 100 SF areas. Excludes small quantity labor set-up charge. See CSI section 07 05 13 00-0001 for small quantity labor set-up charge.

07 05 13 00-0007	SF	Roof Repair, Built-Up Roofing, Up To 10 SF	12.99	
07 05 13 00-0008	SF	Roof Repair, Built-Up Roofing, >10 To 25 SF	11.85	
07 05 13 00-0009	SF	Roof Repair, Built-Up Roofing, >25 To 50 SF	10.90	
07 05 13 00-0010	SF	Roof Repair, Built-Up Roofing, >50 To 100 SF	10.13	
07 05 13 00-0011	SF	Roof Repair, Membrane Roofing, Up To 10 SF	15.30	
07 05 13 00-0012	SF	Roof Repair, Membrane Roofing, >10 To 25 SF	14.16	
07 05 13 00-0013	SF	Roof Repair, Membrane Roofing, >25 To 50 SF	13.21	
07 05 13 00-0014	SF	Roof Repair, Membrane Roofing, >50 To 100 SF	12.44	
07 05 13 00-0015	SF	Roof Repair, Shingle Roofing, Up To 10 SF	10.68	
07 05 13 00-0016	SF	Roof Repair, Shingle Roofing, >10 To 25 SF	9.77	
07 05 13 00-0017	SF	Roof Repair, Shingle Roofing, >25 To 50 SF	9.06	
07 05 13 00-0018	SF	Roof Repair, Shingle Roofing, >50 To 100 SF	8.52	
07 05 13 00-0019	LF	Heat Weld Roofing Seams For Repair	3.04	

07 05 13 00-0020 Emergency Roof Patch ^(07 05 13)

Note: 4 Hour response time.

07 05 13 00-0021	EA	Granule Emergency Roof Patch Cover 16 SF	57.97	
07 05 13 00-0022	EA	Mobilize For Emergency Roof Patching.....	156.46	

07 05 13 00-0023 Adhesives ^(07 05 13)

Note: For repair of seams.

07 05 13 00-0024 Mastic Sealer ^(07 05 13 00-0023)

07 05 13 00-0025 Applied At Joints Only ^(07 05 13 00-0024)

07 05 13 00-0026	LF	Mastic Sealer, 1/4" Bead At Joint.....	1.62	0.67
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07 10 Dampproofing And Waterproofing ⁽⁰⁷⁾

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost. Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing ^(07 10)

07 11 13 Bituminous Dampproofing ^(07 11)

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray ^(07 11 13)

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	73.92	
07 11 13 00-0003	CSF	2 Coats, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	105.27	

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On ^(07 11 13)

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On.....	134.09	
07 11 13 00-0006	CSF	Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On.....	218.88	

07 11 13 00-0007 Asphaltic Paint Dampproofing ^(07 11 13)

07 Thermal And Moisture Protection**07 10 Dampproofing And Waterproofing****07 11 Dampproofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	56.27	
07 11 13 00-0009	CSF	2 Coats, Asphaltic Paint Dampproofing, Brushed On	105.48	

07 11 19 Sheet Dampproofing (07 11)

07 11 19 00-0001	Neoprene (07 11 19)			
07 11 19 00-0002	SF	1/16" Patch Neoprene Roof (5-20 SF)	14.36	

07 13 Sheet Waterproofing (07 10)**07 13 13 Bituminous Sheet Waterproofing (07 13)**

07 13 13 00-0001	15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13)			
07 13 13 00-0002	CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	117.35	36.86	
	<i>For 30 LB Felt, Add</i>	32.73		
	<i>For Application To Horizontal Surfaces, Deduct</i>	-11.06		
07 13 13 00-0003	CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	151.60	41.46	
	<i>For 30 LB Felt, Add</i>	51.50		
	<i>For Application To Horizontal Surfaces, Deduct</i>	-12.44		
07 13 13 00-0004	CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	185.84	46.07	
	<i>For 30 LB Felt, Add</i>	70.28		
	<i>For Application To Horizontal Surfaces, Deduct</i>	-13.82		
07 13 13 00-0005	CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	220.09	50.67	
	<i>For 30 LB Felt, Add</i>	89.05		
	<i>For Application To Horizontal Surfaces, Deduct</i>	-15.20		
07 13 13 00-0006	CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	254.33	55.29	
	<i>For 30 LB Felt, Add</i>	107.82		
	<i>For Application To Horizontal Surfaces, Deduct</i>	-16.59		

07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)

07 13 13 00-0008	CSF 1/8" Asphalt Coated Protective Board	105.35	37.73	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-12.58		
07 13 13 00-0009	CSF 1/4" Asphalt Coated Protective Board	168.27	39.17	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-13.06		
07 13 13 00-0010	CSF 3/8" Asphalt Coated Protective Board	244.33	40.83	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-13.60		
07 13 13 00-0011	CSF 1/2" Asphalt Coated Protective Board	280.95	42.47	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-14.16		

07 13 53 Elastomeric Sheet Waterproofing (07 13)**07 13 53 00-0001 Rubberized Membrane Sheet (07 13 53)**

07 13 53 00-0002	SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	3.59	0.39	
	<i>For Floor Surfaces, Deduct</i>	-0.43		

07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) (07 13 53)

07 13 53 00-0004	CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	258.87	54.85	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-16.45		
07 13 53 00-0005	CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	327.73	54.85	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-16.45		

07 13 53 00-0006 Butyl Sheet Waterproofing (07 13 53)

07 13 53 00-0007	CSF 1/32" Butyl Sheet Waterproofing	63.07	13.71	
	<i>For Joint Taping, Add</i>	6.31		
	<i>For Each Additional Ply, Add</i>	45.52		
	<i>For Application To Horizontal Surfaces, Deduct</i>	-2.06		
07 13 53 00-0008	CSF 1/16" Butyl Sheet Waterproofing	78.76	13.71	
	<i>For Joint Taping, Add</i>	7.10		
	<i>For Each Additional Ply, Add</i>	56.51		
	<i>For Application To Horizontal Surfaces, Deduct</i>	-2.06		

07 13 53 00-0009 Butyl With Nylon (07 13 53)

07 13 53 00-0010	CSF 1/32" Butyl Elastomeric Waterproofing With Nylon	72.04	13.71	
	<i>For Joint Taping, Add</i>	6.76		
	<i>For Each Additional Ply, Add</i>	51.80		
	<i>For Application To Horizontal Surfaces, Deduct</i>	-2.06		
07 13 53 00-0011	CSF 1/16" Butyl Elastomeric Waterproofing With Nylon	82.13	13.71	
	<i>For Joint Taping, Add</i>	7.27		
	<i>For Each Additional Ply, Add</i>	58.87		
	<i>For Application To Horizontal Surfaces, Deduct</i>	-2.06		

07 13 53 00-0012 Neoprene Sheet Waterproofing (07 13 53)

07 13 53 00-0013	CSF 1/32" Neoprene Sheet Waterproofing	123.67	13.71	
	<i>For Joint Taping, Add</i>	9.34		
	<i>For Each Additional Ply, Add</i>	87.94		
	<i>For Application To Horizontal Surfaces, Deduct</i>	-2.06		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0014	CSF		1/16" Neoprene Sheet Waterproofing <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	190.47 12.68 134.70 -2.06	13.71
07 13 53 00-0015 Neoprene With Nylon (07 13 53)					
07 13 53 00-0016	CSF		1/32" Neoprene Elastomeric Waterproofing With Nylon <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	130.64 9.69 92.82 -2.06	13.71
07 13 53 00-0017	CSF		1/16" Neoprene Elastomeric Waterproofing With Nylon <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	201.61 13.24 142.50 -2.06	13.71
07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) (07 13 53)					
07 13 53 00-0019	CSF		4 Mil Polyethylene Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	14.50 3.14 11.20 -1.58	4.74
07 13 53 00-0020	CSF		6 Mil Polyethylene Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	16.35 3.23 12.50 -1.58	4.74
07 13 53 00-0021	CSF		10 Mil Polyethylene Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	29.78 3.90 21.90 -1.58	4.74
07 13 53 00-0022	CSF		60 Mil Polyethylene Vapor Barrier With Bentonite Note: Includes seam tape, liquid mastic, anchors and termination bar. <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	89.19 63.60 -1.75	4.74
07 13 53 00-0023 Plastic Vapor Barrier (PVC) (07 13 53)					
07 13 53 00-0024	CSF		10 Mil Polyvinyl Chloride (PVC) Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	26.89 3.76 19.87 -1.58	5.25
07 13 53 00-0025	CSF		20 Mil Polyvinyl Chloride (PVC) Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	39.21 4.47 28.54 -1.63	5.44
07 13 53 00-0026	CSF		30 Mil Polyvinyl Chloride (PVC) Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	55.98 5.39 40.31 -1.69	5.63
07 13 53 00-0027 Vinyl Plastic Vapor Barrier (07 13 53)					
07 13 53 00-0028	CSF		Tu-Tuf 4, 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints.....	21.29	4.86
07 14 Fluid-Applied Waterproofing (07 10)					
07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)					
07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)					
07 14 13 00-0002	SF		90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface..... Note: Includes primer. <i>For Application To Horizontal Surfaces, Deduct</i> <i>For Reinforcing Fabric, Add</i>	1.03 -0.07 0.25	
07 14 13 00-0003	SF		125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface..... Note: Includes primer. <i>For Application To Horizontal Surfaces, Deduct</i> <i>For Reinforcing Fabric, Add</i>	1.25 -0.07 0.25	
07 14 16 Cold Fluid-Applied Waterproofing (07 14)					
07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)					
07 14 16 00-0002	SF		60 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats..... <i>For Application To Horizontal Surfaces, Deduct</i>	1.86 -0.17	
07 14 16 00-0003	SF		90 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats..... <i>For Application To Horizontal Surfaces, Deduct</i>	2.30 -0.17	
07 14 16 00-0004	SF		120 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats..... <i>For Application To Horizontal Surfaces, Deduct</i>	2.76 -0.18	
07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)					
07 14 16 00-0006	SF		Chlorosulfonated Polyethylene Polymer 1 Part Solution, 15 Mil, Finish Coat.....	1.13	
07 14 16 00-0007 Copolymer Compound (07 14 16)					
07 14 16 00-0008	SF		Fluid Elastomeric Copolymer Compound For Slabs 32 Mil.....	1.68	

07 Thermal And Moisture Protection**07 10 Dampproofing And Waterproofing****07 14 Fluid-Applied Waterproofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 14 16 00-0009	Fluid Applied Neoprene (07 14 16)		
07 14 16 00-0010	CSF Fluid Neoprene, 1/8" Fiberglass Reinforced <i>For Application To Horizontal Surfaces, Deduct</i>	235.16	-19.98
07 14 16 00-0011	CSF Fluid Neoprene, 50 Mil, 4 Coats <i>For Application To Horizontal Surfaces, Deduct</i>	507.69	-39.20
07 14 16 00-0012	CSF Fluid Neoprene, 90 Mil, 4 Coats <i>For Application To Horizontal Surfaces, Deduct</i>	884.52	-58.77

07 16 Cementitious And Reactive Waterproofing (07 10)**07 16 13 Polymer Modified Cement Waterproofing** (07 16)

07 16 13 00-0001	SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	1.97	
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07 16 16 Crystalline Waterproofing (07 16)

07 16 16 00-0001	SF Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate)	2.82	
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07 16 19 Metal Oxide Waterproofing (07 16)**07 16 19 00-0001 Metallic Oxide Waterproofing** (07 16 19)

Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.

07 16 19 00-0002	CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller) <i>For Application To Horizontal Surfaces, Deduct</i>	206.16	-24.06
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07 17 Bentonite Waterproofing (07 10)**07 17 13 Bentonite Panel Waterproofing** (07 17)

07 17 13 00-0001	CSF 3/16" Bentonite Waterproofing Panels <i>For Application To Horizontal Surfaces, Deduct</i>	233.78	45.01
		-13.51	
07 17 13 00-0002	CSF 1/4" Bentonite Waterproofing Panels <i>For Application To Horizontal Surfaces, Deduct</i>	197.90	47.56
		-14.62	
07 17 13 00-0003	CSF 5/8" Bentonite Waterproofing Panels <i>For Application To Horizontal Surfaces, Deduct</i>	309.08	49.60
		-14.88	
07 17 13 00-0004	CSF 3/8" Granular Bentonite, Troweled <i>For Application To Horizontal Surfaces, Deduct</i>	246.74	41.25
		-12.37	

07 19 Water Repellents (07 10)**07 19 13 Acrylic Sealer** (07 19)

Note: Per coat.

07 19 13 00-0001	SF Acrylic Sealer, Spray On Concrete	0.92	
07 19 13 00-0002	SF Acrylic Sealer, Spray On Concrete Block/Brick	1.10	
07 19 13 00-0003	SF Acrylic Sealer, Spray On Stone	1.19	

07 19 16 Silane Water Repellents (07 19)**07 19 16 00-0001 Silane Concrete Sealer** (07 19 16)

07 19 16 00-0002	SF Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.35	
07 19 16 00-0003	SF Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.53	

07 19 16 00-0004 Silane/Siloxane Concrete Sealer (07 19 16)

07 19 16 00-0005	SF Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	0.68	
	Note: 40% silane, alcohol based.		
07 19 16 00-0006	SF Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.00	
	Note: 40% silane, alcohol based.		
07 19 16 00-0007	SF Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.23	
	Note: 200 SF/GAL		
07 19 16 00-0008	SF Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.35	

07 20 Thermal Protection (07)**07 21 Thermal Insulation** (07 20)**07 21 13 Board Insulation** (07 21)

Note: Types are stock sizes, mastic applied. See CSI section 07 22 16 00-0001 for rigid insulation for roofs.

07 21 13 13 Foam Board Insulation (07 21 13)

07 21 13 13-0001	Foam Glass (Cellular Glass), Foam Board Insulation		
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0002	SF		1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation.....	2.25	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.11	
07 21 13 13-0003	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation	3.23	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	-0.05	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.11	
07 21 13 13-0004	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation.....	3.89	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	-0.04	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.13	
07 21 13 13-0005	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation	5.20	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.00	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.19	
07 21 13 13-0006			Expanded Polystyrene, Foam Board Insulation (07 21 13 13)		
07 21 13 13-0007	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	0.85	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.11	
07 21 13 13-0008	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	0.92	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.11	
07 21 13 13-0009	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.07	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.11	
07 21 13 13-0010	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.23	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Deduct</i>	-0.04	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.11	
07 21 13 13-0011	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.87	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	-0.04	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.13	
07 21 13 13-0012	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.50	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.00	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.19	
07 21 13 13-0013	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.14	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.23	
07 21 13 13-0014	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.76	0.15
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 21 13 13-0015	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.40	0.15
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.38	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.37	

07 21 13 13-0016 **Extruded Polystyrene, Foam Board Insulation** (07 21 13 13)
 Note: 15 PSI compressive strength.

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 21 13 13-0017	SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation.....	1.00	0.13
	<i>For Horizontal Surface Application, Deduct</i>	-0.02	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
	<i>For Mechanically Fastened To Concrete, Deduct</i>	-0.04	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.11	
	<i>For 25 PSI Compressive Strength, Add</i>	0.12	
	<i>For 40 PSI Compressive Strength, Add</i>	0.30	
	<i>For 60 PSI Compressive Strength, Add</i>	0.46	
	<i>For 115 PSI Compressive Strength, Add</i>	2.03	
07 21 13 13-0018	SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation.....	1.21	0.13
	<i>For Horizontal Surface Application, Deduct</i>	-0.02	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
	<i>For Mechanically Fastened To Concrete, Deduct</i>	-0.04	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.11	
	<i>For 25 PSI Compressive Strength, Add</i>	0.16	
	<i>For 40 PSI Compressive Strength, Add</i>	0.38	
	<i>For 60 PSI Compressive Strength, Add</i>	0.59	
	<i>For 115 PSI Compressive Strength, Add</i>	2.57	
07 21 13 13-0019	SF 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation.....	1.37	0.13
	<i>For Horizontal Surface Application, Deduct</i>	-0.02	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
	<i>For Mechanically Fastened To Concrete, Deduct</i>	-0.04	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.11	
	<i>For 25 PSI Compressive Strength, Add</i>	0.18	
	<i>For 40 PSI Compressive Strength, Add</i>	0.44	
	<i>For 60 PSI Compressive Strength, Add</i>	0.68	
	<i>For 115 PSI Compressive Strength, Add</i>	2.98	
07 21 13 13-0020	SF 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation.....	1.46	0.13
	<i>For Horizontal Surface Application, Deduct</i>	-0.02	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
	<i>For Mechanically Fastened To Concrete, Deduct</i>	-0.04	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.11	
	<i>For 25 PSI Compressive Strength, Add</i>	0.20	
	<i>For 40 PSI Compressive Strength, Add</i>	0.47	
	<i>For 60 PSI Compressive Strength, Add</i>	0.73	
	<i>For 115 PSI Compressive Strength, Add</i>	3.21	
07 21 13 13-0021	SF 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation.....	2.33	0.14
	<i>For Horizontal Surface Application, Deduct</i>	-0.02	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12	
	<i>For Mechanically Fastened To Concrete, Add</i>	-0.04	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.13	
	<i>For 25 PSI Compressive Strength, Add</i>	0.34	
	<i>For 40 PSI Compressive Strength, Add</i>	0.80	
	<i>For 60 PSI Compressive Strength, Add</i>	1.23	
	<i>For 115 PSI Compressive Strength, Add</i>	5.42	
07 21 13 13-0022	SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation.....	3.19	0.14
	<i>For Horizontal Surface Application, Deduct</i>	-0.02	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.00	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.19	
	<i>For 25 PSI Compressive Strength, Add</i>	0.47	
	<i>For 40 PSI Compressive Strength, Add</i>	1.12	
	<i>For 60 PSI Compressive Strength, Add</i>	1.73	
	<i>For 115 PSI Compressive Strength, Add</i>	7.63	
07 21 13 13-0023	SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation.....	3.63	0.14
	<i>For Horizontal Surface Application, Deduct</i>	-0.02	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.23	
	<i>For 25 PSI Compressive Strength, Add</i>	0.54	
	<i>For 40 PSI Compressive Strength, Add</i>	1.29	
	<i>For 60 PSI Compressive Strength, Add</i>	1.98	
	<i>For 115 PSI Compressive Strength, Add</i>	8.74	

07 21 13 16 Fibrous Board Insulation (07 21 13)**07 21 13 16-0001 Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation** (07 21 13 16)

07 21 13 16-0002	SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	1.31	0.17
	<i>For Horizontal Surface Application, Deduct</i>	-0.03	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
	<i>For Mechanically Fastened To Concrete, Deduct</i>	-0.02	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.13	
07 21 13 16-0003	SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	2.00	0.20
	<i>For Horizontal Surface Application, Deduct</i>	-0.03	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12	
	<i>For Mechanically Fastened To Concrete, Add</i>	-0.01	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0004	SF		3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i>	2.70 -0.04 0.05 0.17 -0.08 0.05 0.24	0.23
07 21 13 16-0005 Fiberglass, Fibrous Board Insulation (07 21 13 16)					
07 21 13 16-0006	SF		1" Thick, R4.2, Fiberglass, Fibrous Board Insulation <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Deduct</i> <i>For Mechanically Fastened To Gypsum, Add</i>	2.62 -0.02 0.05 0.17 -0.16 -0.04 0.11	0.13
07 21 13 16-0007	SF		1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i>	2.95 -0.02 0.05 0.17 -0.12 -0.05 0.11	0.13
07 21 13 16-0008	SF		2" Thick, R8.0, Fiberglass, Fibrous Board Insulation <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i>	3.70 -0.02 0.05 0.17 -0.12 -0.04 0.13	0.14
07 21 13 16-0009	SF		2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i>	4.29 -0.02 0.05 0.17 -0.08 0.00 0.16	0.14
07 21 13 16-0010	SF		3" Thick, R12.4, Fiberglass, Fibrous Board Insulation <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i>	4.88 -0.02 0.05 0.17 -0.08 0.00 0.19	0.14
07 21 13 19 Mineral Board Insulation (07 21 13)					
07 21 13 19-0001 High-Density Fiberboard, Mineral Board Insulation (07 21 13 19)					
07 21 13 19-0002	SF		1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Deduct</i> <i>For Mechanically Fastened To Gypsum, Add</i>	0.95 -0.03 0.05 0.17 -0.16 -0.03 0.12	0.15
07 21 13 19-0003	SF		25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Deduct</i> <i>For Mechanically Fastened To Gypsum, Add</i>	1.16 -0.03 0.05 0.17 -0.16 -0.02 0.13	0.16
07 21 13 19-0004	SF		1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Deduct</i> <i>For Mechanically Fastened To Gypsum, Add</i>	1.38 -0.03 0.05 0.17 -0.16 -0.02 0.13	0.17
07 21 13 19-0005	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i>	1.76 -0.03 0.05 0.17 -0.12 -0.02 0.14	0.18
07 21 13 19-0006	SF		2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Factory Painted On One Surface Add</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i>	2.15 -0.03 0.05 0.17 -0.12 -0.01 0.16	0.20

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 21 13 19-0007	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation	0.77	0.23
		<i>For Horizontal Surface Application, Deduct</i>	-0.04	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.05	
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.24	
07 21 16		Blanket Insulation (07 21)		
		Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.		
07 21 16 00-0001		Fiberglass Flexible Insulation (07 21 16)		
		Note: Rolls or batts.		
07 21 16 00-0002		Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	0.78	0.17
		<i>For >1,600, Deduct</i>	-0.08	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	0.87	0.17
		<i>For >1,600, Deduct</i>	-0.10	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	0.90	0.17
		<i>For >1,600, Deduct</i>	-0.10	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	1.29	0.17
		<i>For >1,600, Deduct</i>	-0.16	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	1.00	0.17
		<i>For >1,600, Deduct</i>	-0.12	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	1.61	0.21
		<i>For >1,600, Deduct</i>	-0.19	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation	1.74	0.21
		<i>For >1,600, Deduct</i>	-0.21	
07 21 16 00-0010		Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation	0.72	0.17
		<i>For >1,600, Deduct</i>	-0.08	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation	0.82	0.17
		<i>For >1,600, Deduct</i>	-0.09	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation	1.21	0.17
		<i>For >1,600, Deduct</i>	-0.15	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation	1.23	0.17
		<i>For >1,600, Deduct</i>	-0.15	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation	0.96	0.17
		<i>For >1,600, Deduct</i>	-0.11	
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation	1.49	0.21
		<i>For >1,600, Deduct</i>	-0.17	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	1.67	0.21
		<i>For >1,600, Deduct</i>	-0.20	
07 21 16 00-0018		Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	0.94	0.17
		<i>For >1,600, Deduct</i>	-0.11	
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	1.09	0.17
		<i>For >1,600, Deduct</i>	-0.13	
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	1.21	0.17
		<i>For >1,600, Deduct</i>	-0.15	
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	1.85	0.21
		<i>For >1,600, Deduct</i>	-0.23	
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	2.03	0.21
		<i>For >1,600, Deduct</i>	-0.26	
07 21 16 00-0024		Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	0.81	0.17
		<i>For >1,600, Deduct</i>	-0.09	
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	0.90	0.17
		<i>For >1,600, Deduct</i>	-0.10	
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	1.35	0.17
		<i>For >1,600, Deduct</i>	-0.17	
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	1.02	0.17
		<i>For >1,600, Deduct</i>	-0.12	
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	1.61	0.21
		<i>For >1,600, Deduct</i>	-0.19	
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	1.67	0.21
		<i>For >1,600, Deduct</i>	-0.20	
07 21 16 00-0031		Mineral Wool Flexible Insulation (07 21 16)		
07 21 16 00-0032		Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation	0.91	0.17
		<i>For >1,600, Deduct</i>	-0.10	
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation	1.30	0.17
		<i>For >1,600, Deduct</i>	-0.16	
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation	2.22	0.17
		<i>For >1,600, Deduct</i>	-0.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0036	SF		12" Kraft Faced, R-38 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	2.59 -0.35	0.17
07 21 16 00-0037			Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0038	SF		3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	0.82 -0.09	0.17
07 21 16 00-0039	SF		6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.15 -0.14	0.17
07 21 16 00-0040	SF		9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.95 -0.25	0.17
07 21 16 00-0041	SF		12" Unfaced, R-38 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	2.27 -0.30	0.17
07 21 19			Foamed-In-Place Insulation (07 21)		
07 21 19 00-0001			Polyurethane Foam Insulation, Sprayed On (07 21 19)		
07 21 19 00-0002	SF		1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	0.61	
07 21 19 00-0003	SF		2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.09	
07 21 19 00-0004	SF		3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.58	
07 21 19 00-0005	SF		4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.05	
07 21 19 00-0006	SF		5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.53	
07 21 19 00-0007	SF		6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.01	
07 21 19 00-0008	SF		1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	1.20	
07 21 19 00-0009	SF		2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	2.05	
07 21 19 00-0010	SF		3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	2.91	
07 21 19 00-0011	SF		4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	3.75	
07 21 19 00-0012	SF		5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	4.60	
07 21 19 00-0013	SF		6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	5.46	
07 21 23			Loose-Fill Insulation (07 21)		
07 21 23 00-0001			Poured Type, Loose Fill Insulation (07 21 23)		
07 21 23 00-0002	CF		R-3.5/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	2.98	0.99
07 21 23 00-0003	CF		R-3.7/Inch, Poured Type, Cellulose Loose Fill Insulation.....	3.36	0.99
07 21 23 00-0004			Concrete Block Wall Cavity Insulation (07 21 23)		
07 21 23 00-0005	CF		R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	5.07	0.99
07 21 23 00-0006	CF		R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	5.00	0.99
07 21 26			Blown Insulation (07 21)		
07 21 26 00-0001			Fiberglass Blown-In Insulation (07 21 26)		
07 21 26 00-0002			Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0003	SF		3-3/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	0.72	0.44
07 21 26 00-0004	SF		6-1/4" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	0.94	0.52
07 21 26 00-0005	SF		7-1/4" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	1.05	0.57
07 21 26 00-0006	SF		10-1/4" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	1.28	0.61
07 21 26 00-0007	SF		12-3/4" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	1.50	0.65
07 21 26 00-0008	SF		13-1/2" Thick, R-40 Attic, Fiberglass Blown In Insulation.....	1.65	0.70
07 21 26 00-0009	SF		14-3/4" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	1.70	0.70
07 21 26 00-0010	SF		16-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	1.83	0.70
07 21 26 00-0011	SF		19" Thick, R-56 Attic, Fiberglass Blown In Insulation.....	2.09	0.70
07 21 26 00-0012	SF		21" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	2.10	0.70
07 21 26 00-0013			New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0014	SF		3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation.....	1.20	0.44
07 21 26 00-0015	SF		5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation.....	1.66	0.52
07 21 26 00-0016	SF		7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation.....	2.03	0.57
07 21 26 00-0017	SF		9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation.....	2.49	0.61
07 21 26 00-0018			Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0019	SF		3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation.....	1.12	0.44
07 21 26 00-0020	SF		5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation.....	1.57	0.52
07 21 26 00-0021	SF		7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation.....	1.95	0.57
07 21 26 00-0022	SF		9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation.....	2.40	0.61
07 21 26 00-0023			Cellulose Blown-In Insulation (07 21 26)		
07 21 26 00-0024			Attic, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0025	SF		3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation.....	0.74	0.44
07 21 26 00-0026	SF		5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation.....	0.92	0.47
07 21 26 00-0027	SF		6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation.....	1.05	0.52
07 21 26 00-0028	SF		7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation.....	1.28	0.57
07 21 26 00-0029	SF		8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation.....	1.33	0.57
07 21 26 00-0030	SF		10-1/2" Thick, R-38 Attic, Cellulose Blown In Insulation.....	1.60	0.61

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0031	SF		11" Thick, R-40 Attic, Cellulose Blown In Insulation.....	1.66	0.61
07 21 26 00-0032	SF		13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation.....	2.00	0.65
07 21 26 00-0033	SF		16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation.....	2.34	0.70
07 21 26 00-0034			New Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0035	SF		3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	1.16	0.44
07 21 26 00-0036	SF		5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	1.60	0.52
07 21 26 00-0037	SF		7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	1.95	0.57
07 21 26 00-0038	SF		9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	2.37	0.61
07 21 26 00-0039			Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0040	SF		3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	1.07	0.44
07 21 26 00-0041	SF		5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	1.51	0.52
07 21 26 00-0042	SF		7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	1.86	0.57
07 21 26 00-0043	SF		9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	2.29	0.61
07 21 29			Sprayed Insulation (07 21)		
07 21 29 00-0001			Fiber Sprayed On Insulation (07 21 29)		
07 21 29 00-0002	SF		1" Spray, R2.7 Perlite Insulation	1.24	0.24
07 21 29 00-0003	SF		1" Spray, R3.7 Fibrous/Cementitious Insulation.....	0.87	0.24
07 21 29 00-0004			Cellulose Sprayed On Insulation (07 21 29)		
07 21 29 00-0005	SF		1" Thick - Cellulose Spray-on Insulation	1.99	0.24
07 22			Roof And Deck Insulation (07 20)		
07 22 16			Roof Board Insulation (07 22)		
			Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
07 22 16 00-0001			Rigid Board Roofing Insulation (07 22 16)		
07 22 16 00-0002			High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0003	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation	1.12	
			For Hot-Mopped, Deduct	-0.20	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.16	
			For Mechanically Fastened To Concrete, Add	0.03	
			For Mechanically Fastened To Gypsum, Add	0.18	
07 22 16 00-0004	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation	1.34	
			For Hot-Mopped, Deduct	-0.20	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.16	
			For Mechanically Fastened To Concrete, Add	0.04	
			For Mechanically Fastened To Gypsum, Add	0.19	
07 22 16 00-0005	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation	1.57	
			For Hot-Mopped, Deduct	-0.19	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.16	
			For Mechanically Fastened To Concrete, Add	0.05	
			For Mechanically Fastened To Gypsum, Add	0.20	
07 22 16 00-0006	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation	1.97	
			For Hot-Mopped, Deduct	-0.19	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.12	
			For Mechanically Fastened To Concrete, Add	0.05	
			For Mechanically Fastened To Gypsum, Add	0.21	
07 22 16 00-0007	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation	2.38	
			For Hot-Mopped, Deduct	-0.18	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.12	
			For Mechanically Fastened To Concrete, Add	0.06	
			For Mechanically Fastened To Gypsum, Add	0.23	
07 22 16 00-0008			Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0009	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation.....	1.19	
			For Hot-Mopped, Deduct	-0.19	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.16	
			For Mechanically Fastened To Concrete, Add	0.05	
			For Mechanically Fastened To Gypsum, Add	0.20	
07 22 16 00-0010	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation.....	1.50	
			For Hot-Mopped, Deduct	-0.19	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.16	
			For Mechanically Fastened To Concrete, Add	0.05	
			For Mechanically Fastened To Gypsum, Add	0.20	
07 22 16 00-0011			Perlite, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0012	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation	1.12	
			For Hot-Mopped, Deduct	-0.20	
			For Mechanically Fastened To Wood Or Steel, Deduct	-0.16	
			For Mechanically Fastened To Concrete, Add	0.01	
			For Mechanically Fastened To Gypsum, Add	0.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0013	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation.....	1.27	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.16	
07 22 16 00-0014	SF		1" Thick, R2.78, Perlite, Roof Board Insulation.....	1.44	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.16	
07 22 16 00-0015	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation.....	1.87	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.17	
07 22 16 00-0016	SF		2" Thick, R5.56, Perlite, Roof Board Insulation.....	2.13	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.18	
07 22 16 00-0017			Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0018	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation	1.67	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.16	
07 22 16 00-0019	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation	2.35	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.18	
07 22 16 00-0020	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation	3.15	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.05	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.24	
07 22 16 00-0021			Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0022	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation	3.39	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.17	
07 22 16 00-0023	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation	4.04	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.18	
07 22 16 00-0024	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation	5.36	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.05	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.24	
07 22 16 00-0025	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation	6.68	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.25	
07 22 16 00-0026			Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0027	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	0.99	
			<i>For Loose-Laid, Deduct</i>	-0.56	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.16	
07 22 16 00-0028	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.06	
			<i>For Loose-Laid, Deduct</i>	-0.56	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.16	
07 22 16 00-0029	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.22	
			<i>For Loose-Laid, Deduct</i>	-0.57	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.16	
07 22 16 00-0030	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.38	
			<i>For Loose-Laid, Deduct</i>	-0.57	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.16	

07 Thermal And Moisture Protection

07 20 Thermal Protection

07 22 Roof And Deck Insulation



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0031	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.02
		<i>For Loose-Laid, Deduct</i>	-0.57
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12
		<i>For Mechanically Fastened To Concrete, Add</i>	0.01
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.18
07 22 16 00-0032	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.66
		<i>For Loose-Laid, Deduct</i>	-0.58
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08
		<i>For Mechanically Fastened To Concrete, Add</i>	0.05
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.24
07 22 16 00-0033	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	3.31
		<i>For Loose-Laid, Deduct</i>	-0.59
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Concrete, Add</i>	0.14
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.29
07 22 16 00-0034	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	3.94
		<i>For Loose-Laid, Deduct</i>	-0.59
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07
		<i>For Mechanically Fastened To Concrete, Add</i>	0.21
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.34
07 22 16 00-0035	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	4.57
		<i>For Loose-Laid, Deduct</i>	-0.59
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30
		<i>For Mechanically Fastened To Concrete, Add</i>	0.44
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.43

07 22 16 00-0036 Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0001)

Note: 15 PSI compressive strength.

07 22 16 00-0037	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation	1.52
		<i>For Loose-Laid, Deduct</i>	-0.57
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16
		<i>For Mechanically Fastened To Concrete, Add</i>	0.01
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.16
		<i>For 25 PSI Compressive Strength, Add</i>	0.18
		<i>For 40 PSI Compressive Strength, Add</i>	0.44
		<i>For 60 PSI Compressive Strength, Add</i>	0.69
		<i>For 115 PSI Compressive Strength, Add</i>	2.99
07 22 16 00-0038	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation	1.61
		<i>For Loose-Laid, Deduct</i>	-0.57
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16
		<i>For Mechanically Fastened To Concrete, Add</i>	0.01
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.16
		<i>For 25 PSI Compressive Strength, Add</i>	0.20
		<i>For 40 PSI Compressive Strength, Add</i>	0.47
		<i>For 60 PSI Compressive Strength, Add</i>	0.74
		<i>For 115 PSI Compressive Strength, Add</i>	3.22
07 22 16 00-0039	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation	2.04
		<i>For Loose-Laid, Deduct</i>	-0.57
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12
		<i>For Mechanically Fastened To Concrete, Add</i>	0.00
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.16
		<i>For 25 PSI Compressive Strength, Add</i>	0.27
		<i>For 40 PSI Compressive Strength, Add</i>	0.63
		<i>For 60 PSI Compressive Strength, Add</i>	0.99
		<i>For 100 PSI Compressive Strength, Add</i>	1.27
		<i>For 115 PSI Compressive Strength, Add</i>	4.33
07 22 16 00-0040	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation	2.48
		<i>For Loose-Laid, Deduct</i>	-0.57
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12
		<i>For Mechanically Fastened To Concrete, Add</i>	0.01
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.18
		<i>For 25 PSI Compressive Strength, Add</i>	0.34
		<i>For 40 PSI Compressive Strength, Add</i>	0.80
		<i>For 60 PSI Compressive Strength, Add</i>	1.24
		<i>For 115 PSI Compressive Strength, Add</i>	5.44
07 22 16 00-0041	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation	2.91
		<i>For Loose-Laid, Deduct</i>	-0.57
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08
		<i>For Mechanically Fastened To Concrete, Add</i>	0.05
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.21
		<i>For 25 PSI Compressive Strength, Add</i>	0.40
		<i>For 40 PSI Compressive Strength, Add</i>	0.96
		<i>For 60 PSI Compressive Strength, Add</i>	1.49
		<i>For 100 PSI Compressive Strength, Add</i>	1.92
		<i>For 115 PSI Compressive Strength, Add</i>	6.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0042	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation.....	3.35	
			<i>For Loose-Laid, Deduct</i>	-0.58	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.05	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.24	
			<i>For 25 PSI Compressive Strength, Add</i>	0.47	
			<i>For 40 PSI Compressive Strength, Add</i>	1.12	
			<i>For 60 PSI Compressive Strength, Add</i>	1.74	
			<i>For 115 PSI Compressive Strength, Add</i>	7.65	
07 22 16 00-0043	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation.....	3.79	
			<i>For Loose-Laid, Deduct</i>	-0.58	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
			<i>For 25 PSI Compressive Strength, Add</i>	0.54	
			<i>For 40 PSI Compressive Strength, Add</i>	1.29	
			<i>For 60 PSI Compressive Strength, Add</i>	1.99	
			<i>For 115 PSI Compressive Strength, Add</i>	8.75	
07 22 16 00-0044			Polyisocyanurate Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0045	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation.....	1.34	
			<i>For Loose-Laid, Deduct</i>	-0.57	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.16	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.10	
07 22 16 00-0046	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation.....	1.39	
			<i>For Loose-Laid, Deduct</i>	-0.57	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.16	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.10	
07 22 16 00-0047	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation.....	1.49	
			<i>For Loose-Laid, Deduct</i>	-0.57	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.17	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.11	
07 22 16 00-0048	SF		2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation.....	1.73	
			<i>For Loose-Laid, Deduct</i>	-0.57	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.18	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.14	
07 22 16 00-0049	SF		2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation.....	1.99	
			<i>For Loose-Laid, Deduct</i>	-0.58	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.05	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.16	
07 22 16 00-0050	SF		3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation.....	2.23	
			<i>For Loose-Laid, Deduct</i>	-0.58	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.05	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.24	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.18	
07 22 16 00-0051	SF		3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation.....	2.50	
			<i>For Loose-Laid, Deduct</i>	-0.58	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.25	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.21	
07 22 16 00-0052	SF		4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation.....	2.74	
			<i>For Loose-Laid, Deduct</i>	-0.58	
			<i>For Hot-Mopped, Deduct</i>	-0.20	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.23	
07 22 16 00-0053			High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0001)		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0054	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation	1.51
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16
		<i>For Mechanically Fastened To Concrete, Add</i>	0.03
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.18
07 22 16 00-0055		Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0001)	
07 22 16 00-0056	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.42
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16
		<i>For Mechanically Fastened To Concrete, Add</i>	0.03
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.18
07 22 16 00-0057	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.52
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16
		<i>For Mechanically Fastened To Concrete, Add</i>	0.03
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.18
07 22 16 00-0058	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.59
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16
		<i>For Mechanically Fastened To Concrete, Add</i>	0.03
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.18
07 22 16 00-0059	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.63
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16
		<i>For Mechanically Fastened To Concrete, Add</i>	0.03
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.18
07 22 16 00-0060		Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0001)	
07 22 16 00-0061	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.38
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16
		<i>For Mechanically Fastened To Concrete, Add</i>	0.03
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.18
07 22 16 00-0062	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.54
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16
		<i>For Mechanically Fastened To Concrete, Add</i>	0.03
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.18
07 22 16 00-0063	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.57
		<i>For Hot-Mopped, Deduct</i>	-0.20
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.16
		<i>For Mechanically Fastened To Concrete, Add</i>	0.03
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.18
07 22 16 00-0064		Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation (07 22 16 00-0001)	
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.	
07 22 16 00-0065	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	2.51
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12
		<i>For Mechanically Fastened To Concrete, Add</i>	0.06
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.23
07 22 16 00-0066	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	2.65
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.12
		<i>For Mechanically Fastened To Concrete, Add</i>	0.06
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.23
07 22 16 00-0067	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	2.85
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08
		<i>For Mechanically Fastened To Concrete, Add</i>	0.11
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.27
07 22 16 00-0068	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	2.96
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08
		<i>For Mechanically Fastened To Concrete, Add</i>	0.11
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.30
07 22 16 00-0069	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.24
		<i>For Mechanically Fastened To Concrete, Add</i>	0.19
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.31
07 22 16 00-0070	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.37
		<i>For Mechanically Fastened To Concrete, Add</i>	0.19
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.34
07 22 16 00-0071	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	3.53
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07
		<i>For Mechanically Fastened To Concrete, Add</i>	0.28
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.41
07 22 16 00-0072		Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0001)	
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.	
07 22 16 00-0073	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	2.54
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08
		<i>For Mechanically Fastened To Concrete, Add</i>	0.10
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.26



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0074	SF		3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	2.79	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.10	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.29	
07 22 16 00-0075	SF		3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0076	SF		4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.29	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.34	
07 22 16 00-0077	SF		4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.53	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.26	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.39	
07 22 16 00-0078	SF		5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	3.81	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.26	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.39	
07 22 16 00-0079	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	4.28	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.51	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.50	
07 22 16 00-0080			Rigid Board Tapered Roofing Insulation (07 22 16) Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
07 22 16 00-0081			Tapered Polyisocyanurate Board (07 22 16 00-0080) Note: Includes polyurethane adhesive.		
07 22 16 00-0082			1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0081)		
07 22 16 00-0083	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	2.41	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
			<i>For Hot-Mopped, Deduct</i>	-0.19	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.06	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.35	
07 22 16 00-0084	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	3.17	
			<i>For 25 PSI Compressive Strength, Add</i>	0.22	
			<i>For Hot-Mopped, Deduct</i>	-0.39	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.57	
07 22 16 00-0085	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	3.51	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
			<i>For Hot-Mopped, Deduct</i>	-0.39	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.60	
07 22 16 00-0086	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	3.84	
			<i>For 25 PSI Compressive Strength, Add</i>	0.29	
			<i>For Hot-Mopped, Deduct</i>	-0.39	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.24	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.61	
07 22 16 00-0087	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.17	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
			<i>For Hot-Mopped, Deduct</i>	-0.39	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.24	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.64	
07 22 16 00-0088	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	4.93	
			<i>For 25 PSI Compressive Strength, Add</i>	0.35	
			<i>For Hot-Mopped, Deduct</i>	-0.58	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.42	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
07 22 16 00-0089	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	5.27	
			<i>For 25 PSI Compressive Strength, Add</i>	0.39	
			<i>For Hot-Mopped, Deduct</i>	-0.58	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.42	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
07 22 16 00-0090	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	5.60	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
			<i>For Hot-Mopped, Deduct</i>	-0.58	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.99	
07 22 16 00-0091	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	5.93	
			<i>For 25 PSI Compressive Strength, Add</i>	0.45	
			<i>For Hot-Mopped, Deduct</i>	-0.58	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.65	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.99	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0092	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.69
		<i>For 25 PSI Compressive Strength, Add</i>	0.49
		<i>For Hot-Mopped, Deduct</i>	-0.76
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.36
		<i>For Mechanically Fastened To Concrete, Add</i>	0.82
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.37
07 22 16 00-0093		1/4" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>	
07 22 16 00-0094	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	2.25
		<i>For 25 PSI Compressive Strength, Add</i>	0.17
		<i>For Hot-Mopped, Deduct</i>	-0.19
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.06
		<i>For Mechanically Fastened To Concrete, Add</i>	0.08
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.35
07 22 16 00-0095	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	3.34
		<i>For 25 PSI Compressive Strength, Add</i>	0.24
		<i>For Hot-Mopped, Deduct</i>	-0.39
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08
		<i>For Mechanically Fastened To Concrete, Add</i>	0.16
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.57
07 22 16 00-0096	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	4.00
		<i>For 25 PSI Compressive Strength, Add</i>	0.30
		<i>For Hot-Mopped, Deduct</i>	-0.39
		<i>For Mechanically Fastened To Concrete, Add</i>	0.24
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.61
07 22 16 00-0097	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	5.10
		<i>For 25 PSI Compressive Strength, Add</i>	0.37
		<i>For Hot-Mopped, Deduct</i>	-0.58
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07
		<i>For Mechanically Fastened To Concrete, Add</i>	0.42
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90
07 22 16 00-0098	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	5.76
		<i>For 25 PSI Compressive Strength, Add</i>	0.44
		<i>For Hot-Mopped, Deduct</i>	-0.58
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30
		<i>For Mechanically Fastened To Concrete, Add</i>	0.65
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.99
07 22 16 00-0099	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	6.86
		<i>For 25 PSI Compressive Strength, Add</i>	0.50
		<i>For Hot-Mopped, Deduct</i>	-0.76
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.36
		<i>For Mechanically Fastened To Concrete, Add</i>	0.82
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.37
07 22 16 00-0100		1/2" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>	
07 22 16 00-0101	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	3.67
		<i>For 25 PSI Compressive Strength, Add</i>	0.27
		<i>For Hot-Mopped, Deduct</i>	-0.39
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08
		<i>For Mechanically Fastened To Concrete, Add</i>	0.16
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.60
07 22 16 00-0102	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	5.43
		<i>For 25 PSI Compressive Strength, Add</i>	0.40
		<i>For Hot-Mopped, Deduct</i>	-0.58
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07
		<i>For Mechanically Fastened To Concrete, Add</i>	0.42
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90
07 22 16 00-0103	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	7.19
		<i>For 25 PSI Compressive Strength, Add</i>	0.54
		<i>For Hot-Mopped, Deduct</i>	-0.76
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.36
		<i>For Mechanically Fastened To Concrete, Add</i>	0.82
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.37
07 22 16 00-0104	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	8.96
		<i>For 25 PSI Compressive Strength, Add</i>	0.67
		<i>For Hot-Mopped, Deduct</i>	-0.95
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.71
		<i>For Mechanically Fastened To Concrete, Add</i>	1.27
07 22 16 00-0105		Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0080)</small>	
		Note: Includes polyurethane adhesive.	
07 22 16 00-0106		1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0105)</small>	
07 22 16 00-0107	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	2.04
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.06
		<i>For Mechanically Fastened To Concrete, Add</i>	0.08
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.35
07 22 16 00-0108	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	2.81
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08
		<i>For Mechanically Fastened To Concrete, Add</i>	0.16
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.57
07 22 16 00-0109	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	3.06
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08
		<i>For Mechanically Fastened To Concrete, Add</i>	0.16
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.60



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0110	SF		3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) 3.30 <i>For Mechanically Fastened To Concrete, Add</i> 0.24 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.61		
07 22 16 00-0111	SF		4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) 3.55 <i>For Mechanically Fastened To Concrete, Add</i> 0.24 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.64		
07 22 16 00-0112	SF		4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) 4.32 <i>For Mechanically Fastened To Wood Or Steel, Add</i> 0.07 <i>For Mechanically Fastened To Concrete, Add</i> 0.42 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.90		
07 22 16 00-0113	SF		5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) 4.57 <i>For Mechanically Fastened To Wood Or Steel, Add</i> 0.07 <i>For Mechanically Fastened To Concrete, Add</i> 0.42 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.90		
07 22 16 00-0114	SF		5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) 4.82 <i>For Mechanically Fastened To Wood Or Steel, Add</i> 0.30 <i>For Mechanically Fastened To Concrete, Add</i> 0.65 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.99		
07 22 16 00-0115	SF		6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) 5.07 <i>For Mechanically Fastened To Wood Or Steel, Add</i> 0.30 <i>For Mechanically Fastened To Concrete, Add</i> 0.65 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.99		
07 22 16 00-0116	SF		6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) 5.83 <i>For Mechanically Fastened To Wood Or Steel, Add</i> 0.36 <i>For Mechanically Fastened To Concrete, Add</i> 0.82 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 1.37		
07 22 16 00-0117			1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0118	SF		2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) 1.91 <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> -0.06 <i>For Mechanically Fastened To Concrete, Add</i> 0.08 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.35		
07 22 16 00-0119	SF		3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) 2.93 <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> -0.08 <i>For Mechanically Fastened To Concrete, Add</i> 0.16 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.57		
07 22 16 00-0120	SF		4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) 3.43 <i>For Mechanically Fastened To Concrete, Add</i> 0.24 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.61		
07 22 16 00-0121	SF		5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) 4.44 <i>For Mechanically Fastened To Wood Or Steel, Add</i> 0.07 <i>For Mechanically Fastened To Concrete, Add</i> 0.42 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.90		
07 22 16 00-0122	SF		6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) 4.94 <i>For Mechanically Fastened To Wood Or Steel, Add</i> 0.30 <i>For Mechanically Fastened To Concrete, Add</i> 0.65 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.99		
07 22 16 00-0123	SF		7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) 5.96 <i>For Mechanically Fastened To Wood Or Steel, Add</i> 0.36 <i>For Mechanically Fastened To Concrete, Add</i> 0.82 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 1.37		
07 22 16 00-0124			1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0125	SF		3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) 3.18 <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> -0.08 <i>For Mechanically Fastened To Concrete, Add</i> 0.16 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.60		
07 22 16 00-0126	SF		5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) 4.69 <i>For Mechanically Fastened To Wood Or Steel, Add</i> 0.07 <i>For Mechanically Fastened To Concrete, Add</i> 0.42 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.90		
07 22 16 00-0127	SF		7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) 6.21 <i>For Mechanically Fastened To Wood Or Steel, Add</i> 0.36 <i>For Mechanically Fastened To Concrete, Add</i> 0.82 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 1.37		
07 22 16 00-0128	SF		9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) 7.98 <i>For Mechanically Fastened To Wood Or Steel, Add</i> 0.71 <i>For Mechanically Fastened To Concrete, Add</i> 1.27		
07 22 16 00-0129			Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0080) Note: Includes polyurethane adhesive.		
07 22 16 00-0130			1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0129)		
07 22 16 00-0131	SF		2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) 2.34 <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> -0.06 <i>For Mechanically Fastened To Concrete, Add</i> 0.08 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.35		
07 22 16 00-0132	SF		2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) 3.10 <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> -0.08 <i>For Mechanically Fastened To Concrete, Add</i> 0.16 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.57		
07 22 16 00-0133	SF		3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) 3.42 <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> -0.08 <i>For Mechanically Fastened To Concrete, Add</i> 0.16 <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> 0.60		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0134	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	3.73	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.24	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.61	
07 22 16 00-0135	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.04	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.24	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.64	
07 22 16 00-0136	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.81	
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.42	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
07 22 16 00-0137	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	5.13	
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.42	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
07 22 16 00-0138	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	5.44	
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.65	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.99	
07 22 16 00-0139	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	5.75	
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.65	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.99	
07 22 16 00-0140	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.52	
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.36	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.82	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.37	
07 22 16 00-0141		1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0129)</small>		
07 22 16 00-0142	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	2.18	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.06	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.35	
07 22 16 00-0143	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	3.26	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.57	
07 22 16 00-0144	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	3.89	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.24	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.61	
07 22 16 00-0145	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.97	
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.42	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
07 22 16 00-0146	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	5.60	
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.30	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.65	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.99	
07 22 16 00-0147	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.68	
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.36	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.82	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.37	
07 22 16 00-0148		1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0129)</small>		
07 22 16 00-0149	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	3.57	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.60	
07 22 16 00-0150	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	5.28	
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.42	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
07 22 16 00-0151	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.99	
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.36	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.82	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.37	
07 22 16 00-0152	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)	8.71	
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.71	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.27	
07 22 16 00-0153		Tapered Perlite Board <small>(07 22 16 00-0080)</small>		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0154		1/8" Slope, Tapered Perlite Board <small>(07 22 16 00-0153)</small>		
07 22 16 00-0155	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board	3.33	
		<i>For Hot-Mopped, Deduct</i>	-0.19	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.06	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.35	
07 22 16 00-0156	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board	3.90	
		<i>For Hot-Mopped, Deduct</i>	-0.39	
		<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.08	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0157	SF		3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	4.45 -0.39 -0.08 0.16 0.60	
07 22 16 00-0158	SF		3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	4.94 -0.39 0.24 0.61	
07 22 16 00-0159	SF		4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	5.49 -0.39 0.24 0.64	
07 22 16 00-0160	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	6.05 -0.58 0.07 0.42 0.90	
07 22 16 00-0161	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	6.59 -0.58 0.07 0.42 0.90	
07 22 16 00-0162	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	7.09 -0.58 0.30 0.65 0.99	
07 22 16 00-0163	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	7.63 -0.58 0.30 0.65 0.99	
07 22 16 00-0164	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	8.20 -0.76 0.36 0.82 1.37	
07 22 16 00-0165			1/4" Slope, Tapered Perlite Board (07 22 16 00-0153)		
07 22 16 00-0166	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	3.06 -0.19 -0.06 0.08 0.35	
07 22 16 00-0167	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	4.17 -0.39 -0.08 0.16 0.57	
07 22 16 00-0168	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	5.21 -0.39 0.24 0.61	
07 22 16 00-0169	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	6.32 -0.58 0.07 0.42 0.90	
07 22 16 00-0170	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	7.36 -0.58 0.30 0.65 0.99	
07 22 16 00-0171	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	8.48 -0.76 0.36 0.82 1.37	
07 22 16 00-0172			1/2" Slope, Tapered Perlite Board (07 22 16 00-0153)		
07 22 16 00-0173	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Deduct</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	4.72 -0.39 -0.08 0.16 0.60	
07 22 16 00-0174	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	6.87 -0.58 0.07 0.42 0.90	
07 22 16 00-0175	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board <i>For Hot-Mopped, Deduct</i> <i>For Mechanically Fastened To Wood Or Steel, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	9.02 -0.76 0.36 0.82 1.37	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0176	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board	11.18
		<i>For Hot-Mopped, Deduct</i>	-0.95
		<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.71
		<i>For Mechanically Fastened To Concrete, Add</i>	1.27

07 22 16 00-0177 Demolish Rigid Board Roofing Insulation (07 22 16)

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0178	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.20
07 22 16 00-0179	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.20
07 22 16 00-0180	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.21
07 22 16 00-0181	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.21
07 22 16 00-0182	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.22
07 22 16 00-0183	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.22
07 22 16 00-0184	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.23
07 22 16 00-0185	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.23
07 22 16 00-0186	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.24
07 22 16 00-0187	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.24
07 22 16 00-0188	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.25
07 22 16 00-0189	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation	0.26
07 22 16 00-0190	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation	0.26

07 24 Exterior Insulation And Finish Systems (07 20)**07 24 13 Polymer-Based Exterior Insulation And Finish System (07 24)****07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) (07 24 13)****07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)**

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	1.96
		<i>For Up To 100, Add</i>	0.29
		<i>For >100 To 500, Add</i>	0.15
		<i>For >5,000, Deduct</i>	-0.06
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.31
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.54
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	2.28
		<i>For Up To 100, Add</i>	0.29
		<i>For >100 To 500, Add</i>	0.15
		<i>For >5,000, Deduct</i>	-0.06
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.33
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.55
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	2.59
		<i>For Up To 100, Add</i>	0.29
		<i>For >100 To 500, Add</i>	0.15
		<i>For >5,000, Deduct</i>	-0.06
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.39
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.63
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	2.91
		<i>For Up To 100, Add</i>	0.29
		<i>For >100 To 500, Add</i>	0.15
		<i>For >5,000, Deduct</i>	-0.06
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.43
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.67
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.22
		<i>For Up To 100, Add</i>	0.29
		<i>For >100 To 500, Add</i>	0.15
		<i>For >5,000, Deduct</i>	-0.06
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.43
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.67
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.85
		<i>For Up To 100, Add</i>	0.29
		<i>For >100 To 500, Add</i>	0.15
		<i>For >5,000, Deduct</i>	-0.06
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.52
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.75

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat	2.28
		<i>For Up To 100, Add</i>	0.59
		<i>For >100 To 500, Add</i>	0.30
		<i>For >5,000, Deduct</i>	-0.12



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0011	SF		6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat 2.61 <i>For Up To 100, Add 0.59</i> <i>For >100 To 500, Add 0.30</i> <i>For >5,000, Deduct -0.12</i>		
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat 3.48 <i>For Up To 100, Add 0.59</i> <i>For >100 To 500, Add 0.30</i> <i>For >5,000, Deduct -0.12</i>		
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat 3.74 <i>For Up To 100, Add 0.59</i> <i>For >100 To 500, Add 0.30</i> <i>For >5,000, Deduct -0.12</i>		
07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)					
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)..... 1.09 <i>For Up To 100, Add 0.29</i> <i>For >100 To 500, Add 0.15</i> <i>For >5,000, Deduct -0.06</i>		
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)..... 1.33 <i>For Up To 100, Add 0.29</i> <i>For >100 To 500, Add 0.15</i> <i>For >5,000, Deduct -0.06</i>		
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®) 2.64 <i>For Up To 100, Add 0.29</i> <i>For >100 To 500, Add 0.15</i> <i>For >5,000, Deduct -0.06</i>		
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®) 3.66 <i>For Up To 100, Add 0.29</i> <i>For >100 To 500, Add 0.15</i> <i>For >5,000, Deduct -0.06</i>		
07 24 13 00-0019 Finish Coats For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)					
Note: Includes all standard manufacturers' colors.					
07 24 13 00-0020	SF		100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)..... 1.76 <i>For Up To 100, Add 0.59</i> <i>For >100 To 500, Add 0.30</i> <i>For >5,000, Deduct -0.12</i>		
07 24 13 00-0021	SF		100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish) 1.81 <i>For Up To 100, Add 0.59</i> <i>For >100 To 500, Add 0.30</i> <i>For >5,000, Deduct -0.12</i>		
07 24 13 00-0022	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish) 2.19 <i>For Up To 100, Add 0.59</i> <i>For >100 To 500, Add 0.30</i> <i>For >5,000, Deduct -0.12</i>		
07 24 13 00-0023	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish) 2.53 <i>For Up To 100, Add 0.59</i> <i>For >100 To 500, Add 0.30</i> <i>For >5,000, Deduct -0.12</i>		
07 24 13 00-0024	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)..... 2.19 <i>For Up To 100, Add 0.59</i> <i>For >100 To 500, Add 0.30</i> <i>For >5,000, Deduct -0.12</i>		
07 24 13 00-0025	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)..... 2.53 <i>For Up To 100, Add 0.59</i> <i>For >100 To 500, Add 0.30</i> <i>For >5,000, Deduct -0.12</i>		
07 24 13 00-0026	SF		Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth) 1.87 <i>For Up To 100, Add 0.59</i> <i>For >100 To 500, Add 0.30</i> <i>For >5,000, Deduct -0.12</i>		
07 24 13 00-0027	SF		Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®)..... 2.22 <i>For Up To 100, Add 0.59</i> <i>For >100 To 500, Add 0.30</i> <i>For >5,000, Deduct -0.12</i>		
07 24 13 00-0028	SF		100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™) 5.23 <i>For Up To 100, Add 0.59</i> <i>For >100 To 500, Add 0.30</i> <i>For >5,000, Deduct -0.12</i>		
07 24 13 00-0029			Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation And Finish Systems**MINOR
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07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	0.54	
		<i>For Up To 100, Add</i>	0.17	
		<i>For >100 To 500, Add</i>	0.08	
		<i>For >5,000, Deduct</i>	-0.03	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™)	0.56	
		<i>For Up To 100, Add</i>	0.17	
		<i>For >100 To 500, Add</i>	0.08	
		<i>For >5,000, Deduct</i>	-0.03	
07 24 13 00-0032		Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) ^(07 24 13 00-0001)		
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	0.83	
		<i>For Up To 100, Add</i>	0.17	
		<i>For >100 To 500, Add</i>	0.08	
		<i>For >5,000, Deduct</i>	-0.03	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.07	
		<i>For Up To 100, Add</i>	0.17	
		<i>For >100 To 500, Add</i>	0.08	
		<i>For >5,000, Deduct</i>	-0.03	
07 24 13 00-0035		Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) ^(07 24 13 00-0001)		
07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	1.35	
		<i>For Up To 100, Add</i>	0.19	
		<i>For >100 To 500, Add</i>	0.09	
		<i>For >5,000, Deduct</i>	-0.04	
07 24 13 00-0037		Starter Tracks For Exterior Insulation Finishing Systems (EIFS) ^(07 24 13 00-0001)		
07 24 13 00-0038	LF	1" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.08	
07 24 13 00-0039	LF	1-1/2" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.26	
07 24 13 00-0040	LF	2" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.48	
07 24 13 00-0041	LF	3" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	2.92	
07 24 13 00-0042	LF	1" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	2.26	
07 24 13 00-0043	LF	1-1/2" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	2.48	
07 24 13 00-0044	LF	2" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	2.69	
07 24 13 00-0045	LF	3" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	3.18	
07 24 13 00-0046		Demolish Exterior Insulation Finishing Systems (EIFS) ^(07 24 13 00-0001)		
07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS) Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.	1.11	
		<i>For Up To 100, Add</i>	0.56	
		<i>For >100 To 500, Add</i>	0.28	
		<i>For >5,000, Deduct</i>	-0.11	

07 25 Weather Barriers ⁽⁰⁷⁾**07 26 Vapor Retarders** ^(07 25)**07 26 13 Above-Grade Vapor Retarders** ^(07 26)

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B)	12.44	
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D, "Jumbo Tex"	11.20	
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Super Jumbo Tex 60 Minute"	15.18	
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Two Ply Super Jumbo Tex 60 Minute"	21.01	
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	22.06	
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper)	32.71	
07 26 13 00-0007	CLF	4" Wide Self Adhering Butyl Sealing Tape	55.96	
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	84.43	
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	121.74	
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	31.23	

07 27 Air Barriers ^(07 25)**07 27 23 Board Product Air Barriers** ^(07 27)**07 27 23 00-0001 Barriers For Plenums** ^(07 27 23)

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF	6.01	1.17
		<i>For Up To 50, Add</i>	1.82	
		<i>For >50 To 200, Add</i>	1.06	
		<i>For >200 To 500, Add</i>	0.42	
		<i>For >2,500, Deduct</i>	-0.30	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF	6.47	1.17
		<i>For Up To 50, Add</i>	1.97	
		<i>For >50 To 200, Add</i>	1.15	
		<i>For >200 To 500, Add</i>	0.45	
		<i>For >2,500, Deduct</i>	-0.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 27 23 00-0004	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	2.01	0.78
			For Up To 50, Add	0.87	
			For >50 To 200, Add	0.49	
			For >200 To 500, Add	0.17	
			For >2,500, Deduct	-0.10	
07 27 23 00-0005	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	3.75	1.17
			For Up To 50, Add	1.57	
			For >50 To 200, Add	0.88	
			For >200 To 500, Add	0.31	
			For >2,500, Deduct	-0.19	
07 27 23 00-0006	SF		Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	2.76	0.78
			For Up To 50, Add	0.98	
			For >50 To 200, Add	0.56	
			For >200 To 500, Add	0.21	
			For >2,500, Deduct	-0.14	
07 27 23 00-0007	SF		1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....	4.99	0.78
			For Up To 50, Add	1.27	
			For >50 To 200, Add	0.76	
			For >200 To 500, Add	0.31	
			For >2,500, Deduct	-0.25	

07 30 Steep Slope Roofing (07)

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles And Shakes (07 30)

07 31 13 Asphalt Shingles (07 31)

07 31 13 00-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13)

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 00-0002	SQ		220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	189.29	62.69
			For >50 To 75, Deduct	-3.50	
			For >75 To 100, Deduct	-8.67	
			For >100 To 200, Deduct	-14.71	
			For >200, Deduct	-22.43	
			For Steep Roof, Over 7 To 12, Add	32.60	
07 31 13 00-0003	SQ		230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	224.89	66.60
			For >50 To 75, Deduct	-4.61	
			For >75 To 100, Deduct	-10.81	
			For >100 To 200, Deduct	-18.16	
			For >200, Deduct	-27.10	
			For Steep Roof, Over 7 To 12, Add	35.10	

07 31 13 00-0004 Architectural Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13)

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 00-0005	SQ		245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	176.41	83.47
			For >50 To 75, Deduct	-4.02	
			For >75 To 100, Deduct	-8.94	
			For >100 To 200, Deduct	-14.85	
			For >200, Deduct	-21.66	
			For Steep Roof, Over 7 To 12, Add	24.28	
07 31 13 00-0006	SQ		240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	195.59	79.47
			For >50 To 75, Deduct	-4.93	
			For >75 To 100, Deduct	-10.44	
			For >100 To 200, Deduct	-17.18	
			For >200, Deduct	-24.49	
			For Steep Roof, Over 7 To 12, Add	23.12	
07 31 13 00-0007	SQ		265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus).....	210.35	87.64
			For >50 To 75, Deduct	-5.23	
			For >75 To 100, Deduct	-11.14	
			For >100 To 200, Deduct	-18.36	
			For >200, Deduct	-26.26	
			For Steep Roof, Over 7 To 12, Add	25.50	
07 31 13 00-0008	SQ		235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	212.06	75.69
			For >50 To 75, Deduct	-5.73	
			For >75 To 100, Deduct	-11.75	
			For >100 To 200, Deduct	-19.20	
			For >200, Deduct	-26.94	
			For Steep Roof, Over 7 To 12, Add	22.02	
07 31 13 00-0009	SQ		300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	231.27	92.02
			For >50 To 75, Deduct	-5.91	
			For >75 To 100, Deduct	-12.43	
			For >100 To 200, Deduct	-20.42	
			For >200, Deduct	-29.03	
			For Steep Roof, Over 7 To 12, Add	26.76	
07 31 13 00-0010	SQ		300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence).....	252.91	92.02
			For >50 To 75, Deduct	-6.77	
			For >75 To 100, Deduct	-13.94	
			For >100 To 200, Deduct	-22.80	
			For >200, Deduct	-32.06	
			For Steep Roof, Over 7 To 12, Add	26.76	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles And Shakes**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 31 13 00-0011	SQ	355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake).....	275.22	101.44
		For >50 To 75, Deduct	-7.32	
		For >75 To 100, Deduct	-15.11	
		For >100 To 200, Deduct	-24.74	
		For >200, Deduct	-34.84	
		For Steep Roof, Over 7 To 12, Add	29.52	
07 31 13 00-0012	SQ	340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	276.96	96.63
		For >50 To 75, Deduct	-7.57	
		For >75 To 100, Deduct	-15.44	
		For >100 To 200, Deduct	-25.20	
		For >200, Deduct	-35.26	
		For Steep Roof, Over 7 To 12, Add	28.10	
07 31 13 00-0013	SQ	300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris).....	279.52	92.02
		For >50 To 75, Deduct	-7.84	
		For >75 To 100, Deduct	-15.80	
		For >100 To 200, Deduct	-25.73	
		For >200, Deduct	-35.79	
		For Steep Roof, Over 7 To 12, Add	26.76	
07 31 13 00-0014	SQ	355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	333.47	101.44
		For >50 To 75, Deduct	-9.65	
		For >75 To 100, Deduct	-19.19	
		For >100 To 200, Deduct	-31.15	
		For >200, Deduct	-43.00	
		For Steep Roof, Over 7 To 12, Add	29.52	
07 31 13 00-0015	SQ	355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	348.64	101.44
		For >50 To 75, Deduct	-10.26	
		For >75 To 100, Deduct	-20.25	
		For >100 To 200, Deduct	-32.82	
		For >200, Deduct	-45.12	
		For Steep Roof, Over 7 To 12, Add	29.52	
07 31 13 00-0016	SQ	480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	388.19	111.86
		For >50 To 75, Deduct	-11.46	
		For >75 To 100, Deduct	-22.60	
		For >100 To 200, Deduct	-36.60	
		For >200, Deduct	-50.28	
		For Steep Roof, Over 7 To 12, Add	32.54	
07 31 13 00-0017	SQ	425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	385.96	106.51
		For >50 To 75, Deduct	-11.56	
		For >75 To 100, Deduct	-22.66	
		For >100 To 200, Deduct	-36.65	
		For >200, Deduct	-50.16	
		For Steep Roof, Over 7 To 12, Add	30.99	
07 31 13 00-0018		Accessories (07 31 13)		
07 31 13 00-0019	LF	Hip And Ridge Roll Vent	4.22	0.40
		Note: Excludes shingles.		
07 31 13 00-0020	LF	Three Tab Hip And Ridge Shingles.....	1.85	0.98
07 31 13 00-0021	LF	Architectural Hip And Ridge Shingles	2.34	1.08
07 31 13 00-0022	SQ	Demolish Additional Layers Of Shingles	35.67	
07 31 16		Metal Shingles (07 31)		
07 31 16 00-0001		Aluminum Shingles (07 31 16)		
07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick.....	345.54	65.31
		For Colors, Anodized Finish, Add	30.00	
		For Bonderized Finish, Add	47.00	
		For 1" Factory Applied Polystyrene, Add	37.00	
07 31 16 00-0003	SQ	Aluminum Shingles, Mill Finish, 0.030" Thick.....	488.49	71.38
		For Colors, Anodized Finish, Add	30.00	
		For Bonderized Finish, Add	47.00	
		For 1" Factory Applied Polystyrene, Add	37.00	
07 31 16 00-0004	LF	Aluminum Shingles, Ridge Cap, 0.020" Thick.....	6.57	0.94
07 31 16 00-0005	LF	Aluminum Shingles, Ridge Cap, 0.030" Thick.....	6.92	0.94
07 31 16 00-0006	LF	Aluminum Shingles, Valley Section For Above, 0.020" Thick	3.96	0.94
07 31 16 00-0007	LF	Aluminum Shingles, Valley Section For Above, 0.030" Thick	4.65	0.94
07 31 16 00-0008		Galvanized Steel Shingles (07 31 16)		
07 31 16 00-0009	SQ	24 Gauge Steel Shingles, Galvanized	244.29	58.39
		For Factory Applied 1" Polystyrene Insulation, Add	24.75	
		For >50 To 75, Deduct	-5.10	
		For >75 To 100, Deduct	-11.84	
		For >100 To 200, Deduct	-19.86	
		For >200, Deduct	-26.61	
		For Steep Roof, Over 7 To 12, Add	37.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0010	SQ		26 Gauge Steel Shingles, Galvanized For Factory Applied 1" Polystyrene Insulation, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Steep Roof, Over 7 To 12, Add	232.80 24.75 -4.68 -11.08 -18.66 -25.06 37.06	57.92
07 31 16 00-0011	SQ		24 Gauge Steel Shingles, Galvanized And Bonderized For Factory Applied 1" Polystyrene Insulation, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Steep Roof, Over 7 To 12, Add	429.17 24.75 -12.53 -24.83 -40.26 -52.56 37.06	57.92
07 31 16 00-0012	SQ		26 Gauge Steel Shingles, Galvanized And Bonderized For Factory Applied 1" Polystyrene Insulation, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Steep Roof, Over 7 To 12, Add	390.53 24.75 -10.99 -22.13 -36.01 -47.15 37.06	57.92
07 31 16 00-0013	LF		Ridge Or Valley For Factory Applied 1" Polystyrene Insulation, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Steep Roof, Over 7 To 12, Add	4.21 24.75 -0.11 -0.23 -0.37 -0.49 0.49	0.78
07 31 19 Mineral-Fiber Cement Shingles (07 31)					
07 31 19 00-0001 Mineral Fiber Shingles (07 31 19)					
07 31 19 00-0002	SQ		Mineral Fiber Strip Shingles, 14" X 30", 325 LB/SQ For Steep Roof, Over 7 To 12, Add	379.33 25.08	39.17
07 31 19 00-0003	SQ		Mineral Fiber, Shakes, 9.35" x 16", 500 LB/SQ For Steep Roof, Over 7 To 12, Add	526.16 45.63	71.30
07 31 19 00-0004	SQ		Mineral Fiber, Hexagonal Shape, 16" X 16", per SQ For Steep Roof, Over 7 To 12, Add	363.57 33.47	52.30
07 31 19 00-0005	SQ		Mineral Fiber, Square, 16" X 16", per SQ For Steep Roof, Over 7 To 12, Add	335.57 33.47	52.30
07 31 19 00-0006	CLF		Mineral Fiber, Strip Shingles, Starters, 8" x 30", 255 LB Per 100 LF	252.98	52.30
07 31 19 00-0007	CLF		Mineral Fiber, Hip And Ridge Shingles, 4-3/4" x 14", 380 LB Per 100 LF	845.36	156.71
07 31 19 00-0008	CLF		Mineral Fiber, Hip And Ridge Shingles, 5-3/8" X 14", per 100 LF	894.36	156.71
07 31 26 Slate Shingles (07 31)					
Note: Includes 30 LB felt and fasteners.					
07 31 26 00-0001 Shingles Including 30 LB Felt And Nails (07 31 26)					
07 31 26 00-0002	SQ		Slate Shingles, Buckingham, Virginia Black, 3/16" Thick For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Graduated Shapes, Add For Steep Roof, Over 7 To 12, Add	726.65 -20.21 -40.90 -66.64 -87.34 75.78 70.87	99.66
07 31 26 00-0003	SQ		Slate Shingles, Buckingham, Virginia Black, 1/4" Thick For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Graduated Shapes, Add For Steep Roof, Over 7 To 12, Add	867.33 -25.83 -50.75 -82.12 -107.03 96.88 70.87	99.66
07 31 26 00-0004	SQ		Slate Shingles, Penn Black Bangor For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Graduated Shapes, Add For Steep Roof, Over 7 To 12, Add	825.12 -24.15 -47.79 -77.48 -101.12 90.55 70.87	99.66
07 31 26 00-0005	SQ		Slate Shingles, Vermont, Unfading Colors, Green For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Graduated Shapes, Add For Steep Roof, Over 7 To 12, Add	839.19 -24.71 -48.78 -79.02 -103.09 92.66 70.87	99.66
07 31 26 00-0006	SQ		Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Graduated Shapes, Add For Steep Roof, Over 7 To 12, Add	895.46 -26.96 -52.72 -85.21 -110.97 101.10 70.87	99.66

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles And Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 26 00-0007	SQ		Slate Shingles, Vermont, Unfading Color, Purple	825.12	99.66
			For >50 To 75, Deduct	-24.15	
			For >75 To 100, Deduct	-47.79	
			For >100 To 200, Deduct	-77.48	
			For >200, Deduct	-101.12	
			For Graduated Shapes, Add	90.55	
			For Steep Roof, Over 7 To 12, Add	70.87	
07 31 26 00-0008	SQ		Slate Shingles, Vermont, Unfading Color, Black Or Gray	782.92	99.66
			For >50 To 75, Deduct	-22.46	
			For >75 To 100, Deduct	-44.84	
			For >100 To 200, Deduct	-72.83	
			For >200, Deduct	-95.21	
			For Graduated Shapes, Add	84.22	
			For Steep Roof, Over 7 To 12, Add	70.87	
07 31 26 00-0009	SQ		Slate Shingles, Vermont, Unfading Color, Red	1,661.93	99.66
			For >50 To 75, Deduct	-57.62	
			For >75 To 100, Deduct	-106.37	
			For >100 To 200, Deduct	-169.52	
			For >200, Deduct	-218.28	
			For Graduated Shapes, Add	216.07	
			For Steep Roof, Over 7 To 12, Add	70.87	
07 31 26 00-0010	SQ		Slate Shingles, Vermont, Unfading Color, Variegated Purple	825.12	99.66
			For >50 To 75, Deduct	-24.15	
			For >75 To 100, Deduct	-47.79	
			For >100 To 200, Deduct	-77.48	
			For >200, Deduct	-101.12	
			For Graduated Shapes, Add	90.55	
			For Steep Roof, Over 7 To 12, Add	70.87	
07 31 29 Wood Shingles And Shakes (07 31)					
07 31 29 13 Wood Shingles (07 31 29)					
07 31 29 13-0001 #1 Grade, Red Cedar Shingles (07 31 29 13)					
07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)					
07 31 29 13-0003	SQ		3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	418.19	77.73
			For Steep Roof, Over 7 To 12, Add	49.75	
			For CCA Treated, Add	39.41	
07 31 29 13-0004	SQ		5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	300.51	58.30
			For Steep Roof, Over 7 To 12, Add	37.31	
			For CCA Treated, Add	27.59	
07 31 29 13-0005	SQ		4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	375.16	66.07
			For Steep Roof, Over 7 To 12, Add	42.28	
			For CCA Treated, Add	36.45	
07 31 29 13-0006	SQ		5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	306.88	54.41
			For Steep Roof, Over 7 To 12, Add	34.82	
			For CCA Treated, Add	29.71	
07 31 29 13-0007	SQ		5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	434.06	51.49
			For Steep Roof, Over 7 To 12, Add	32.96	
			For CCA Treated, Add	49.66	
07 31 29 13-0008	SQ		7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	330.78	43.72
			For Steep Roof, Over 7 To 12, Add	27.98	
			For CCA Treated, Add	36.50	
07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)					
07 31 29 13-0010	SQ		7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	271.29	69.96
			For CCA Treated, Add	19.71	
07 31 29 13-0011	SQ		8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	268.73	66.07
			For CCA Treated, Add	20.49	
07 31 29 13-0012	SQ		10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	288.47	57.33
			For CCA Treated, Add	26.07	
07 31 29 13-0013 #2 Grade, Red Cedar Shingles (07 31 29 13)					
07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)					
07 31 29 13-0015	SQ		3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	375.44	81.62
			For Steep Roof, Over 7 To 12, Add	52.23	
			For CCA Treated, Add	31.83	
07 31 29 13-0016	SQ		4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	333.37	73.84
			For Steep Roof, Over 7 To 12, Add	47.26	
			For CCA Treated, Add	27.85	
07 31 29 13-0017	SQ		4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	362.34	73.84
			For Steep Roof, Over 7 To 12, Add	47.26	
			For CCA Treated, Add	32.20	
07 31 29 13-0018	SQ		4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	323.08	66.07
			For Steep Roof, Over 7 To 12, Add	42.28	
			For CCA Treated, Add	28.64	
07 31 29 13-0019	SQ		5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	333.97	51.49
			For Steep Roof, Over 7 To 12, Add	32.96	
			For CCA Treated, Add	34.65	
07 31 29 13-0020	SQ		6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	269.30	44.70
			For Steep Roof, Over 7 To 12, Add	28.60	
			For CCA Treated, Add	26.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0021			#2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)		
07 31 29 13-0022	SQ		6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall 253.79		73.84
			<i>For CCA Treated, Add</i> 15.92		
07 31 29 13-0023	SQ		7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall 247.24		69.96
			<i>For CCA Treated, Add</i> 16.10		
07 31 29 13-0024	SQ		9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall 245.63		62.18
			<i>For CCA Treated, Add</i> 18.19		
07 31 29 16			Wood Shakes (07 31 29)		
07 31 29 16-0001			#1 Grade, Red Cedar Shakes (07 31 29 16)		
07 31 29 16-0002			#1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)		
07 31 29 16-0003	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof 296.09		63.15
			<i>For Steep Roof, Over 7 To 12, Add</i> 40.42		
			<i>For CCA Treated, Add</i> 25.47		
07 31 29 16-0004	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof 352.67		63.15
			<i>For Steep Roof, Over 7 To 12, Add</i> 40.42		
			<i>For CCA Treated, Add</i> 33.95		
07 31 29 16-0005	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof 336.43		51.49
			<i>For Steep Roof, Over 7 To 12, Add</i> 32.96		
			<i>For CCA Treated, Add</i> 35.01		
07 31 29 16-0006	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof 360.48		51.49
			<i>For Steep Roof, Over 7 To 12, Add</i> 32.96		
			<i>For CCA Treated, Add</i> 38.62		
07 31 29 16-0007			#1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)		
07 31 29 16-0008	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall 305.80		68.02
			<i>For CCA Treated, Add</i> 25.47		
07 31 29 16-0009	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall 362.38		68.02
			<i>For CCA Treated, Add</i> 33.95		
07 31 29 16-0010	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall 350.03		58.30
			<i>For CCA Treated, Add</i> 35.01		
07 31 29 16-0011	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall 374.08		58.30
			<i>For CCA Treated, Add</i> 38.62		
07 31 29 19			Wood Shingles And Shakes Cap (07 31 29)		
07 31 29 19-0001			Wood Hip And Ridge Cap For Wood Shingles Or Shakes (07 31 29 19)		
07 31 29 19-0002	LF		Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes 5.66		0.51
			<i>For Steep Roof, Over 7 To 12, Add</i> 0.38		
			<i>For CCA Treated Ridge, Add</i> 0.67		
07 31 33			Composite Rubber Shingles (07 31)		
07 31 33 00-0001			Synthetic Polymeric Rubber Slate Shingles (07 31 33)		
			Note: As manufactured by EcoStar.		
07 31 33 00-0002	SQ		Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure 638.66		87.52
			Note: Gray or black.		
			<i>For Purple Or Green Color, Add</i> 74.18		
			<i>For Brown Or Red Color, Add</i> 190.09		
			<i>For Steep Roof, Over 7 To 12, Add</i> 56.01		
			<i>For >50 To 75, Deduct</i> -11.59		
			<i>For >75 To 100, Deduct</i> -27.56		
			<i>For >100 To 200, Deduct</i> -43.52		
			<i>For >200, Deduct</i> -63.87		
			<i>For 6.5" Exposure, Add</i> 44.79		
			<i>For 6.0" Exposure, Add</i> 89.57		
07 31 33 00-0003	SQ		Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure 947.75		87.52
			Note: Fire resistant. Gray or black.		
			<i>For Purple, Green, Brown Or Red, Add</i> 115.91		
			<i>For Steep Roof, Over 7 To 12, Add</i> 56.01		
			<i>For >50 To 75, Deduct</i> -19.32		
			<i>For >75 To 100, Deduct</i> -43.01		
			<i>For >100 To 200, Deduct</i> -66.71		
			<i>For >200, Deduct</i> -94.78		
			<i>For 6.5" Exposure, Add</i> 66.86		
			<i>For 6.0" Exposure, Add</i> 133.73		
07 31 33 00-0004	SQ		Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure 765.93		87.52
			Note: Beaver tail, chisel point or beveled edges. Gray or black.		
			<i>For Purple, Green, Brown Or Red, Add</i> 212.73		
			<i>For Steep Roof, Over 7 To 12, Add</i> 56.01		
			<i>For >50 To 75, Deduct</i> -14.77		
			<i>For >75 To 100, Deduct</i> -33.92		
			<i>For >100 To 200, Deduct</i> -53.07		
			<i>For >200, Deduct</i> -76.59		
			<i>For 6.5" Exposure, Add</i> 53.88		
			<i>For 6.0" Exposure, Add</i> 107.75		

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles And Shakes**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 31 33 00-0005	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure	1,011.38	87.52
		Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.		
		For Purple, Green, Brown Or Red, Add	92.00	
		For Steep Roof, Over 7 To 12, Add	56.01	
		For >50 To 75, Deduct	-20.91	
		For >75 To 100, Deduct	-46.19	
		For >100 To 200, Deduct	-71.48	
		For >200, Deduct	-101.14	
		For 6.5" Exposure, Add	71.41	
		For 6.0" Exposure, Add	142.82	
07 31 33 00-0006	LF	Hip Or Ridge Polymeric Rubber Slate Shingle.....	11.00	0.58
		Note: Beveled or pointed edges, gray or black.		

07 32 Roof Tiles (07 30)**07 32 13 Clay Roof Tiles** (07 32)

Note: 8-1/4" x 11" exposure. Includes mortar, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure (07 32 13)

Note: Includes mortar, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,454.20	94.52
		For >25 To 50, Deduct	-75.91	
		For >50 To 75, Deduct	-131.24	
		For >75 To 100, Deduct	-173.92	
		For >100 To 200, Deduct	-203.95	
		For >200, Deduct	-221.33	
		For 20 Year Warranty, Add	88.56	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ.....	1,871.63	94.52
		For >25 To 50, Deduct	-100.95	
		For >50 To 75, Deduct	-172.98	
		For >75 To 100, Deduct	-228.19	
		For >100 To 200, Deduct	-266.57	
		For >200, Deduct	-288.12	
		For 20 Year Warranty, Add	117.78	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,871.63	94.52
		For >25 To 50, Deduct	-100.95	
		For >50 To 75, Deduct	-172.98	
		For >75 To 100, Deduct	-228.19	
		For >100 To 200, Deduct	-266.57	
		For >200, Deduct	-288.12	
		For 20 Year Warranty, Add	117.78	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ.....	2,225.82	94.52
		For >25 To 50, Deduct	-122.21	
		For >50 To 75, Deduct	-208.40	
		For >75 To 100, Deduct	-274.23	
		For >100 To 200, Deduct	-319.69	
		For >200, Deduct	-344.79	
		For 20 Year Warranty, Add	142.57	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,720.70	115.57
		For >25 To 50, Deduct	-89.37	
		For >50 To 75, Deduct	-154.74	
		For >75 To 100, Deduct	-205.20	
		For >100 To 200, Deduct	-240.77	
		For >200, Deduct	-261.44	
		For 20 Year Warranty, Add	104.27	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ.....	2,343.78	115.57
		For >25 To 50, Deduct	-126.76	
		For >50 To 75, Deduct	-217.04	
		For >75 To 100, Deduct	-286.20	
		For >100 To 200, Deduct	-334.23	
		For >200, Deduct	-361.14	
		For 20 Year Warranty, Add	147.89	
07 32 13 00-0008	SQ	Norman Tile Roofing, 317 Piece Per SQ	2,943.00	155.90
		For >25 To 50, Deduct	-157.88	
		For >50 To 75, Deduct	-270.92	
		For >75 To 100, Deduct	-357.65	
		For >100 To 200, Deduct	-418.07	
		For >200, Deduct	-452.18	
		For 20 Year Warranty, Add	184.19	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ.....	1,408.96	115.57
		For >25 To 50, Deduct	-70.67	
		For >50 To 75, Deduct	-123.56	
		For >75 To 100, Deduct	-164.68	
		For >100 To 200, Deduct	-194.01	
		For >200, Deduct	-211.57	
		For 20 Year Warranty, Add	82.45	
07 32 13 00-0010	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ.....	1,913.69	115.57
		For >25 To 50, Deduct	-100.95	
		For >50 To 75, Deduct	-174.04	
		For >75 To 100, Deduct	-230.29	
		For >100 To 200, Deduct	-269.72	
		For >200, Deduct	-292.32	
		For 20 Year Warranty, Add	117.78	
07 32 13 00-0011	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ.....	1,286.43	86.52
		For >25 To 50, Deduct	-66.80	
		For >50 To 75, Deduct	-115.66	
		For >75 To 100, Deduct	-153.39	
		For >100 To 200, Deduct	-179.98	
		For >200, Deduct	-195.44	
		For 20 Year Warranty, Add	77.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0012 SQ Spanish Tile Roofing, Blend, 171 Piece Per SQ.....	1,830.35	86.52
For >25 To 50, Deduct	-99.44	
For >50 To 75, Deduct	-170.05	
For >75 To 100, Deduct	-224.10	
For >100 To 200, Deduct	-261.57	
For >200, Deduct	-282.47	
For 20 Year Warranty, Add	116.01	
07 32 13 00-0013 SQ Spanish Tile Roofing, Glazed White, 171 Piece Per SQ.....	2,298.39	86.52
For >25 To 50, Deduct	-127.52	
For >50 To 75, Deduct	-216.86	
For >75 To 100, Deduct	-284.94	
For >100 To 200, Deduct	-331.78	
For >200, Deduct	-357.36	
For 20 Year Warranty, Add	148.77	
07 32 13 00-0014 SQ Two Piece Mission Tile Roofing, 192 Piece Per SQ.....	2,586.32	135.64
For >25 To 50, Deduct	-138.90	
For >50 To 75, Deduct	-238.29	
For >75 To 100, Deduct	-314.52	
For >100 To 200, Deduct	-367.60	
For >200, Deduct	-397.54	
For 20 Year Warranty, Add	162.05	
07 32 13 00-0015 SQ One Piece Mission Tile Roofing, 75 Piece Per SQ.....	910.27	94.52
For >25 To 50, Deduct	-43.27	
For >50 To 75, Deduct	-76.85	
For >75 To 100, Deduct	-103.21	
For >100 To 200, Deduct	-122.36	
For >200, Deduct	-134.30	
For 20 Year Warranty, Add	50.48	
07 32 13 00-0016 SQ One Piece Mission Tile Roofing, 134 Piece Per SQ.....	1,163.25	135.64
For >25 To 50, Deduct	-53.52	
For >50 To 75, Deduct	-95.98	
For >75 To 100, Deduct	-129.52	
For >100 To 200, Deduct	-154.14	
For >200, Deduct	-169.84	
For 20 Year Warranty, Add	62.44	

07 32 16 Concrete Roof Tiles (07 32)

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated.....	441.86	143.27
For >50 To 75, Deduct	-6.21	
For >75 To 100, Deduct	-18.03	
For >100 To 200, Deduct	-31.41	
For >200, Deduct	-43.23	
For Steep Roof, Over 7 To 12, Add	91.71	
07 32 16 00-0003 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated.....	600.12	143.27
For >50 To 75, Deduct	-12.54	
For >75 To 100, Deduct	-29.11	
For >100 To 200, Deduct	-48.82	
For >200, Deduct	-65.39	
For Steep Roof, Over 7 To 12, Add	91.71	
07 32 16 00-0004 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated.....	473.51	143.27
For >50 To 75, Deduct	-7.48	
For >75 To 100, Deduct	-20.25	
For >100 To 200, Deduct	-34.89	
For >200, Deduct	-47.66	
For Steep Roof, Over 7 To 12, Add	91.71	
07 32 16 00-0005 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes.....	451.25	128.19
For >50 To 75, Deduct	-7.79	
For >75 To 100, Deduct	-20.05	
For >100 To 200, Deduct	-34.25	
For >200, Deduct	-46.51	
For Steep Roof, Over 7 To 12, Add	82.05	

07 32 16 00-0006 Accessories (07 32 16)

07 32 16 00-0007 EA Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof.....	2.67	
07 32 16 00-0008 EA Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof.....	1.76	
07 32 16 00-0009 EA Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof.....	2.66	
07 32 16 00-0010 EA Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof.....	3.04	
07 32 16 00-0011 EA 3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof.....	3.17	

07 34 Roofing Underlayment (07 30)

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)

Note: Standard slope.

07 34 00 00-0002 SQ 15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened.....	15.21	2.82
For Steep Roof, Over 7 To 12, Add	1.81	
For >50 To 75, Deduct	-0.38	
For >75 To 100, Deduct	-0.81	
For >100 To 200, Deduct	-1.33	
For >200, Deduct	-1.90	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 34 Roofing Underlayment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 34 00 00-0003	SQ	30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened.....	23.73	3.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	2.48	
		<i>For >50 To 75, Deduct</i>	-0.64	
		<i>For >75 To 100, Deduct</i>	-1.31	
		<i>For >100 To 200, Deduct</i>	-2.15	
		<i>For >200, Deduct</i>	-3.01	
07 34 00 00-0004	SQ	30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened.....	26.74	3.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	2.48	
		<i>For >50 To 75, Deduct</i>	-0.76	
		<i>For >75 To 100, Deduct</i>	-1.52	
		<i>For >100 To 200, Deduct</i>	-2.48	
		<i>For >200, Deduct</i>	-3.43	
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt).....	28.82	5.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	3.76	
		<i>For >50 To 75, Deduct</i>	-0.68	
		<i>For >75 To 100, Deduct</i>	-1.49	
		<i>For >100 To 200, Deduct</i>	-2.46	
		<i>For >200, Deduct</i>	-3.56	
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25).....	32.38	5.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	3.76	
		<i>For >50 To 75, Deduct</i>	-0.82	
		<i>For >75 To 100, Deduct</i>	-1.74	
		<i>For >100 To 200, Deduct</i>	-2.86	
		<i>For >200, Deduct</i>	-4.06	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	38.25	5.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	3.76	
		<i>For >50 To 75, Deduct</i>	-1.06	
		<i>For >75 To 100, Deduct</i>	-2.15	
		<i>For >100 To 200, Deduct</i>	-3.50	
		<i>For >200, Deduct</i>	-4.88	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	35.32	5.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	3.76	
		<i>For >50 To 75, Deduct</i>	-0.94	
		<i>For >75 To 100, Deduct</i>	-1.94	
		<i>For >100 To 200, Deduct</i>	-3.18	
		<i>For >200, Deduct</i>	-4.47	
07 34 00 00-0009		Self-Adhering, Roofing Underlayment (07 34)		
		Note: Standard slope.		
07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat).....	62.98	7.13
		<i>For Steep Roof, Over 7 To 12, Add</i>	4.56	
		<i>For >50 To 75, Deduct</i>	-1.95	
		<i>For >75 To 100, Deduct</i>	-3.77	
		<i>For >100 To 200, Deduct</i>	-6.07	
		<i>For >200, Deduct</i>	-8.25	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	97.01	7.13
		<i>For Steep Roof, Over 7 To 12, Add</i>	4.56	
		<i>For >50 To 75, Deduct</i>	-3.31	
		<i>For >75 To 100, Deduct</i>	-6.15	
		<i>For >100 To 200, Deduct</i>	-9.82	
		<i>For >200, Deduct</i>	-13.01	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self- Adhering (Owens Corning® WeatherLock® G).....	67.19	7.13
		<i>For Steep Roof, Over 7 To 12, Add</i>	4.56	
		<i>For >50 To 75, Deduct</i>	-2.12	
		<i>For >75 To 100, Deduct</i>	-4.06	
		<i>For >100 To 200, Deduct</i>	-6.54	
		<i>For >200, Deduct</i>	-8.84	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal).....	62.98	7.13
		<i>For Steep Roof, Over 7 To 12, Add</i>	4.56	
		<i>For >50 To 75, Deduct</i>	-1.95	
		<i>For >75 To 100, Deduct</i>	-3.77	
		<i>For >100 To 200, Deduct</i>	-6.07	
		<i>For >200, Deduct</i>	-8.25	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30).....	92.10	7.13
		<i>For Steep Roof, Over 7 To 12, Add</i>	4.56	
		<i>For >50 To 75, Deduct</i>	-3.11	
		<i>For >75 To 100, Deduct</i>	-5.81	
		<i>For >100 To 200, Deduct</i>	-9.28	
		<i>For >200, Deduct</i>	-12.32	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	76.72	7.13
		<i>For Steep Roof, Over 7 To 12, Add</i>	4.56	
		<i>For >50 To 75, Deduct</i>	-2.50	
		<i>For >75 To 100, Deduct</i>	-4.73	
		<i>For >100 To 200, Deduct</i>	-7.58	
		<i>For >200, Deduct</i>	-10.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0016	SQ		40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®).....	116.35	7.13
			For Steep Roof, Over 7 To 12, Add	4.56	
			For >50 To 75, Deduct	-4.08	
			For >75 To 100, Deduct	-7.50	
			For >100 To 200, Deduct	-11.94	
			For >200, Deduct	-15.72	
07 34 00 00-0017	SQ		40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT).....	133.71	7.13
			For Steep Roof, Over 7 To 12, Add	4.56	
			For >50 To 75, Deduct	-4.78	
			For >75 To 100, Deduct	-8.72	
			For >100 To 200, Deduct	-13.85	
			For >200, Deduct	-18.15	
07 34 00 00-0018	SQ		30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra).....	198.84	7.13
			For Steep Roof, Over 7 To 12, Add	4.56	
			For >50 To 75, Deduct	-7.38	
			For >75 To 100, Deduct	-13.28	
			For >100 To 200, Deduct	-21.02	
			For >200, Deduct	-27.27	

07 40 Roofing And Siding Panels (07)

Note: Includes placement of materials on roof up to 2-1/2 stories. All new roof installations include flood testing.

07 41 Roof Panels (07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels (07 41)

07 41 13 00-0001 Exposed Fastener Metal Roofing (07 41 13)

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing (07 41 13 00-0001)

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels (07 41 13 00-0002)

07 41 13 00-0004	SF		18 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	4.65	0.34
			For Fluoropolymer (Kynar) Coating, Add	0.69	
			For Steep Roof, Over 7 To 12, Add	0.48	
07 41 13 00-0005	SF		20 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	4.09	0.34
			For Fluoropolymer (Kynar) Coating, Add	0.69	
			For Steep Roof, Over 7 To 12, Add	0.48	
07 41 13 00-0006	SF		22 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	3.71	0.34
			For Fluoropolymer (Kynar) Coating, Add	0.69	
			For Steep Roof, Over 7 To 12, Add	0.48	
07 41 13 00-0007	SF		24 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	3.32	0.34
			For Fluoropolymer (Kynar) Coating, Add	0.69	
			For Steep Roof, Over 7 To 12, Add	0.48	
07 41 13 00-0008	SF		26 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	3.00	0.34
			For Fluoropolymer (Kynar) Coating, Add	0.69	
			For Steep Roof, Over 7 To 12, Add	0.48	
07 41 13 00-0009	SF		29 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	2.73	0.34
			For Fluoropolymer (Kynar) Coating, Add	0.69	
			For Steep Roof, Over 7 To 12, Add	0.48	
07 41 13 00-0010	SF		30 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	2.62	0.34
			For Fluoropolymer (Kynar) Coating, Add	0.69	
			For Steep Roof, Over 7 To 12, Add	0.48	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories (07 41 13 00-0002)

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF		Ridge Flashing For Galvanized Steel Exposed Fastener Roofing.....	24.11	1.51
			For Steep Roof, Over 7 To 12, Add	1.91	
			For Fluoropolymer (Kynar) Coating, Add	1.81	
07 41 13 00-0013	LF		Eave Flashing For Galvanized Steel Exposed Fastener Roofing.....	16.73	1.51
			For Steep Roof, Over 7 To 12, Add	1.91	
			For Fluoropolymer (Kynar) Coating, Add	1.08	
07 41 13 00-0014	LF		Valley Flashing For Galvanized Steel Exposed Fastener Roofing.....	31.23	1.51
			For Steep Roof, Over 7 To 12, Add	1.91	
			For Fluoropolymer (Kynar) Coating, Add	2.53	
07 41 13 00-0015	LF		Hip Flashing For Galvanized Steel Exposed Fastener Roofing.....	24.75	1.51
			For Steep Roof, Over 7 To 12, Add	1.91	
			For Fluoropolymer (Kynar) Coating, Add	1.88	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing (07 41 13 00-0001)

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels (07 41 13 00-0016)

07 41 13 00-0018	SF		0.0155" Aluminum Exposed Fastener Metal Roof Panels.....	2.46	0.34
			For Fluoropolymer (Kynar) Coating, Add	0.69	
			For Steep Roof, Over 7 To 12, Add	0.48	
07 41 13 00-0019	SF		0.018" Aluminum Exposed Fastener Metal Roof Panels.....	2.62	0.34
			For Fluoropolymer (Kynar) Coating, Add	0.69	
			For Steep Roof, Over 7 To 12, Add	0.48	
07 41 13 00-0020	SF		0.024" Aluminum Exposed Fastener Metal Roof Panels.....	2.98	0.34
			For Fluoropolymer (Kynar) Coating, Add	0.69	
			For Steep Roof, Over 7 To 12, Add	0.48	

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0021	SF		0.032" Aluminum Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	3.48 0.69 0.48	0.34
07 41 13 00-0022	SF		0.040" Aluminum Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	3.97 0.69 0.48	0.34
07 41 13 00-0023	SF		0.050" Aluminum Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.58 0.69 0.48	0.34
07 41 13 00-0024			Aluminum Exposed Fastener Metal Roof Accessories (07 41 13 00-0016)		
07 41 13 00-0025	LF		Ridge Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	26.25 1.20 2.25	1.51
07 41 13 00-0026	LF		Eave Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	17.02 1.20 1.33	1.51
07 41 13 00-0027	LF		Valley Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	35.15 1.20 3.14	1.51
07 41 13 00-0028	LF		Hip Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar) Coating, Add</i>	27.06 1.20 2.33	1.51
07 41 13 00-0029			Standing Seam Roofs (07 41 13) Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030			Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: All steel is galvanized G90 rated or galvalume. Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.		
07 41 13 00-0031			Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0030)		
07 41 13 00-0032	SF		Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	10.25 0.60 0.88 0.36 2.56 1.54 0.26	0.79
07 41 13 00-0033	SF		Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	11.03 0.60 0.92 0.38 2.76 1.65 0.28	0.79
07 41 13 00-0034	SF		Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	9.56 0.60 0.85 0.35 2.39 1.43 0.24	0.79
07 41 13 00-0035	SF		Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	9.84 0.60 0.86 0.36 2.46 1.48 0.25	0.79
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	10.15 0.60 0.88 0.36 2.54 1.52 0.25	0.79
07 41 13 00-0037	SF		Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	11.27 0.60 0.93 0.38 2.82 1.69 0.28	0.79
07 41 13 00-0038			Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)		
07 41 13 00-0039	LF		Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	25.92 1.79 1.00	2.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0040 LF Eave Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	17.80 1.79 0.83	2.39
07 41 13 00-0041 LF Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	33.75 1.79 1.15	2.39
07 41 13 00-0042 LF Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	26.63 1.79 1.01	2.39
07 41 13 00-0043 Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.		
07 41 13 00-0044 Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)		
07 41 13 00-0045 SF Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Panels < 16" Wide, Add</i> <i>For Up To 5000, Add</i> <i>For > 5000 To 10000, Add</i>	10.79 0.60 0.38 2.70 0.91 0.38 0.27	0.79
07 41 13 00-0046 SF Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Panels < 16" Wide, Add</i> <i>For Up To 5000, Add</i> <i>For > 5000 To 10000, Add</i>	11.45 0.60 0.39 2.86 0.94 0.39 0.29	0.79
07 41 13 00-0047 SF Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Panels < 16" Wide, Add</i> <i>For Up To 5000, Add</i> <i>For > 5000 To 10000, Add</i>	10.42 0.60 0.37 2.61 0.89 0.37 0.26	0.79
07 41 13 00-0048 SF Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Panels < 16" Wide, Add</i> <i>For Up To 5000, Add</i> <i>For > 5000 To 10000, Add</i>	11.64 0.60 0.39 2.91 0.95 0.39 0.29	0.79
07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)		
07 41 13 00-0050 LF Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	30.72 1.79 1.09	2.39
07 41 13 00-0051 LF Eave Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	20.57 1.79 0.89	2.39
07 41 13 00-0052 LF Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	40.51 1.79 1.29	2.39
07 41 13 00-0053 LF Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	31.62 1.79 1.11	2.39
07 41 13 00-0054 Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0055 Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0056 SF Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Panels < 16" Wide, Add</i> <i>For Up To 5000, Add</i> <i>For > 5000 To 10000, Add</i>	29.92 0.90 0.84 7.48 2.05 2.99 0.75	1.20
07 41 13 00-0057 SF Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Panels < 16" Wide, Add</i> <i>For Up To 5000, Add</i> <i>For > 5000 To 10000, Add</i>	36.65 0.90 0.97 9.16 2.39 3.67 0.92	1.20
07 41 13 00-0058 Accessories For Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0059 LF Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	93.29 1.79 2.34	2.39
07 41 13 00-0060 LF Eave Flashing For Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	51.01 1.79 1.50	2.39
07 41 13 00-0061 LF Valley Flashing For Copper Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	133.27 1.79 3.14	2.39

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0062	LF		Hip Flashing For Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	96.45 1.79 2.41	2.39
07 41 13 00-0063			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0064			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0063)		
07 41 13 00-0065	SF		Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Up To 5000, Add</i> <i>For > 5000 To 10000, Add</i> <i>For Panels < 16" Wide, Add</i>	22.00 0.90 0.68 5.50 2.20 0.55 1.65	1.20
07 41 13 00-0066	SF		Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Up To 5000, Add</i> <i>For > 5000 To 10000, Add</i> <i>For Panels < 16" Wide, Add</i>	26.04 0.90 0.76 6.51 2.60 0.65 1.86	1.20
07 41 13 00-0067	SF		Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Up To 5000, Add</i> <i>For > 5000 To 10000, Add</i> <i>For Panels < 16" Wide, Add</i>	30.83 0.90 0.86 7.71 3.08 0.77 2.09	1.20
07 41 13 00-0068	SF		Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For Up To 5000, Add</i> <i>For > 5000 To 10000, Add</i> <i>For Panels < 16" Wide, Add</i>	36.98 0.90 0.98 9.25 3.70 0.92 2.40	1.20
07 41 13 00-0069			Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0063)		
07 41 13 00-0070	LF		Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	80.94 2.02 2.16	2.39
07 41 13 00-0071	LF		Eave Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	45.00 2.02 1.44	2.39
07 41 13 00-0072	LF		Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	114.92 2.02 2.84	2.39
07 41 13 00-0073	LF		Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	83.62 2.02 2.21	2.39
07 41 13 00-0074			Metal Roof Surfacing (07 41 13)		
07 41 13 00-0075	SF		Acrylic, Metal Roof Primer, One Coat <i>For Steep Roof, Over 7 To 12, Add</i>	0.22 0.02	
07 41 13 00-0076	SF		Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume. <i>For Steep Roof, Over 7 To 12, Add</i>	0.35 0.02	
07 41 33			Plastic Roof Panels (07 41)		
07 41 33 00-0001			Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		
07 41 33 00-0002			Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	2.56	0.79
07 41 33 00-0004	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	2.48	0.71
07 41 33 00-0005	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide.....	2.67	0.79
07 41 33 00-0006	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide.....	2.57	0.71
07 41 33 00-0007			Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)		
07 41 33 00-0008	LF		1" "J" Channel, Starter Strip Trim.....	1.52	0.58
07 41 33 00-0009	LF		3-1/2" "J" Channel, Starter Strip Trim.....	2.36	0.58
07 41 33 00-0010	LF		Outside Corner Post, 7/8" Pocket	2.61	0.58
07 41 33 00-0011	LF		Inside Corner Post, 7/8" Pocket.....	1.95	0.58
07 41 33 00-0012			Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013			Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014	SF		8 Ounce Corrugated Fiberglass Panel.....	3.67	0.63
07 41 33 00-0015	SF		12 Ounce Corrugated Fiberglass Panel.....	4.46	0.63



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

07 42 Wall Panels (07 40)

07 42 13 Metal Wall Panels (07 42)

07 42 13 19 Insulated Metal Wall Panels (07 42 13)

07 42 13 19-0001 Insulated Panels For Sash/Window Replacement (07 42 13 19)

Note: Porcelain or polymer finish on aluminum panel with polystyrene core.

Table with 3 columns: Item Code, Description, and Cost. Includes items like '1" Insulated Panel For Sash Or Window Replacement' with costs of 11.69 and 1.55.

07 42 13 23 Metal Composite Material Wall Panels (07 42 13)

07 42 13 23-0001 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels (07 42 13 23)

Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.

Table with 3 columns: Item Code, Description, and Cost. Includes items like '2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels' with costs of 10.60 and 0.86.

07 42 63 Fabricated Wall Panel Assemblies (07 42)

07 42 63 00-0001 Insulated Freezer And Chiller Panels (07 42 63)

Note: Excludes suspension system for ceiling support.

07 42 63 00-0002 Polyurethane Sandwich Panel (07 42 63 00-0001)

Note: With 22 gauge galvanized sheet metal face excludes painting.

Table with 3 columns: Item Code, Description, and Cost. Includes items like '2" 22 Gauge Freezer Panel Sheet Metal Both Faces' with costs of 13.67 and 0.87.

07 42 63 00-0013 Polyurethane Sandwich Panel (07 42 63 00-0001)

Note: With .040 aluminum baked enamel finish.

Table with 3 columns: Item Code, Description, and Cost. Includes items like '2" Freezer Panel 0.040" Aluminum Finish Both Faces' with costs of 9.10 and 0.87.

07 46 Siding (07 40)

07 46 16 Aluminum Siding (07 46)

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 Aluminum Coil Stock Cladding (07 46 16)

Note: Per SF of board, includes overlapage.

Table with 3 columns: Item Code, Description, and Cost. Includes item 'Aluminum Cladding, 0.016" Thick' with costs of 3.93 and 1.37.

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 46 16 00-0003	SF	Aluminum Cladding, 0.019" Thick.....	3.98	1.37
07 46 16 00-0004	SF	Aluminum Cladding, 0.024" Thick.....	4.06	1.37
07 46 16 00-0005		Aluminum Siding Panels For Structural Steel Framing (07 46 16)		
		Note: Includes fasteners.		
07 46 16 00-0006		Corrugated (07 46 16 00-0005)		
07 46 16 00-0007	SF	0.019" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	2.42	0.75
07 46 16 00-0008	SF	0.021" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	2.55	0.75
07 46 16 00-0009	SF	0.024" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	2.84	0.75
07 46 16 00-0010	SF	0.032" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	3.36	0.75
07 46 16 00-0011	SF	0.019" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	2.67	0.75
07 46 16 00-0012	SF	0.021" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	2.78	0.75
07 46 16 00-0013	SF	0.024" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	3.13	0.75
07 46 16 00-0014	SF	0.032" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	3.80	0.75
07 46 16 00-0015		V- Beam (07 46 16 00-0005)		
07 46 16 00-0016	SF	0.032" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	3.39	0.75
07 46 16 00-0017	SF	0.040" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	3.65	0.75
07 46 16 00-0018	SF	0.050" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	3.99	0.75
07 46 16 00-0019	SF	0.032" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	3.77	0.75
07 46 16 00-0020	SF	0.040" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	4.22	0.75
07 46 16 00-0021	SF	0.050" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	5.30	0.75
07 46 16 00-0022		Rib (07 46 16 00-0005)		
07 46 16 00-0023	SF	0.032" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	3.72	0.75
07 46 16 00-0024	SF	0.040" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	3.99	0.75
07 46 16 00-0025	SF	0.050" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	4.34	0.75
07 46 16 00-0026	SF	0.032" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	3.97	0.75
07 46 16 00-0027	SF	0.040" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	4.41	0.75
07 46 16 00-0028	SF	0.050" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	4.67	0.75
07 46 16 00-0029		Aluminum Soffit And Fascia (07 46 16)		
		Note: Excludes J-channel.		
07 46 16 00-0030	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	1.93	0.55
		For 0.015" Thick, Deduct	-0.06	
07 46 16 00-0031	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	2.53	0.58
		For 0.015" Thick, Deduct	-0.10	
07 46 16 00-0032	LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	2.85	0.59
		For 0.015" Thick, Deduct	-0.12	
07 46 16 00-0033	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	3.73	0.63
		For 0.015" Thick, Deduct	-0.18	
07 46 16 00-0034	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	4.68	0.68
		For 0.015" Thick, Deduct	-0.24	
07 46 16 00-0035	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	6.48	0.75
		For 0.015" Thick, Deduct	-0.36	
07 46 16 00-0036	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	8.28	0.82
		For 0.015" Thick, Deduct	-0.48	
07 46 16 00-0037	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	10.10	0.92
		For 0.015" Thick, Deduct	-0.60	
07 46 16 00-0038	LF	4" Exposure, 0.024" Thick, Aluminum Fascia.....	2.42	0.54
07 46 16 00-0039	LF	6" Exposure, 0.024" Thick, Aluminum Fascia.....	2.71	0.55
07 46 16 00-0040	LF	8" Exposure, 0.024" Thick, Aluminum Fascia.....	3.30	0.57
07 46 16 00-0041	LF	10" Exposure, 0.024" Thick, Aluminum Fascia.....	3.93	0.58
07 46 16 00-0042		Aluminum Siding Accessories (07 46 16)		
07 46 16 00-0043	LF	3/8" Pocket, Aluminum J-Channel.....	1.43	0.52
07 46 16 00-0044	LF	1/2" Pocket, Aluminum J-Channel.....	1.43	0.52
07 46 16 00-0045	LF	3/4" Pocket, Aluminum J-Channel.....	1.81	0.52
07 46 16 00-0046	LF	3/8" Pocket, Aluminum F-Channel.....	1.73	0.52
07 46 16 00-0047	LF	1/2" Pocket, Aluminum F-Channel.....	1.73	0.52
07 46 19		Steel Siding (07 46)		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 19 00-0001		Steel Siding Panels For Structural Steel Framing (07 46 19)		
		Note: Included fasteners.		
07 46 19 00-0002		Corrugated, Painted (07 46 19 00-0001)		
		Note: Factory applied.		
07 46 19 00-0003	SF	20 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	5.57	0.75
		For Galvanized Instead Of Painted Steel, Add	1.02	
07 46 19 00-0004	SF	22 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	5.03	0.75
		For Galvanized Instead Of Painted Steel, Add	0.88	
07 46 19 00-0005	SF	24 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	4.90	0.75
		For Galvanized Instead Of Painted Steel, Add	0.85	
07 46 19 00-0006	SF	26 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	3.30	0.75
		For Galvanized Instead Of Painted Steel, Add	0.45	
07 46 19 00-0007	SF	28 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted.....	3.18	0.75
		For Galvanized Instead Of Painted Steel, Add	0.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0008	SF		30 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted <i>For Galvanized Instead Of Painted Steel, Add</i>	3.11 0.40	0.75
07 46 19 00-0009			Box Rib, Painted (07 46 19 00-0001) Note: Factory applied.		
07 46 19 00-0010	SF		20 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	5.17 0.92	0.75
07 46 19 00-0011	SF		22 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	4.92 0.85	0.75
07 46 19 00-0012	SF		24 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	4.76 0.81	0.75
07 46 19 00-0013	SF		26 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	4.49 0.75	0.75
07 46 19 00-0014	SF		28 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	3.91 0.60	0.75
07 46 19 00-0015			Steel Siding For Wood Frame (07 46 19) Note: Horizontal clapboard, double 5" profiler, 1/2" deep butt, wood grain pattern. Includes fasteners, trim and all accessories.		
07 46 19 00-0016	SF		Horizontal Clapboard	4.56	0.38
07 46 23			Wood Siding (07 46) Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001			Wood Lap Siding (07 46 23)		
07 46 23 00-0002	LF		8" Wide Rough Sawn Cedar Lap Siding	1.44	0.52
07 46 23 00-0003	LF		10" Wide Rough Sawn Cedar Lap Siding	1.65	0.55
07 46 23 00-0004	LF		12" Wide Rough Sawn Cedar Lap Siding	1.87	0.60
07 46 23 00-0005	LF		6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	1.55	0.52
07 46 23 00-0006	LF		6" To 8" Wide Spruce Lap Siding, #2 Or Better	1.75	0.52
07 46 23 00-0007	LF		6" To 8" Wide Western Red Cedar, B Grade Lap Siding	2.17	0.52
07 46 23 00-0008	LF		6" To 8" Wide Western Red Cedar, A Grade Lap Siding	2.34	0.52
07 46 23 00-0009	LF		6" To 8" Wide Clear Heart Redwood Lap Siding	2.10	0.52
07 46 23 00-0010	LF		1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	2.12	0.55
07 46 23 00-0011	LF		1" x 8" Cedar Beveled Siding, Channel, Rustic	2.12	0.55
07 46 23 00-0012			Tongue And Groove Siding (07 46 23)		
07 46 23 00-0013	SF		1" x 6" Tongue And Groove Southern Yellow Pine Siding	1.44	0.52
07 46 23 00-0014	SF		1" x 8" Tongue And Groove Southern Yellow Pine Siding	1.61	0.52
07 46 23 00-0015	SF		1" x 6" 105 Southern Yellow Pine Siding	1.48	0.52
07 46 23 00-0016	SF		1" x 8" 105 Southern Yellow Pine Siding	1.82	0.52
07 46 29			Plywood Siding (07 46) Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001			T-111 Siding (07 46 29)		
07 46 29 00-0002	SF		5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud <i>For Pressure Treated, Add</i>	1.92 0.18	0.28
07 46 33			Plastic Siding (07 46) Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001			Vinyl Siding (07 46 33) Note: Includes standard manufacturer's colors.		
07 46 33 00-0002			Vinyl Siding Panels (07 46 33 00-0001) Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003			Horizontal Vinyl Siding Panels (07 46 33 00-0002) Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF		7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	2.19 -0.12 0.07 0.35 0.04	0.67
07 46 33 00-0005	SF		8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	2.12 -0.12 0.07 0.35 0.04	0.63
07 46 33 00-0006	SF		9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	2.06 -0.12 0.07 0.35 0.04	0.60
07 46 33 00-0007	SF		10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	1.99 -0.12 0.07 0.35 0.04	0.58

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0008	SF		12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	1.91	0.54
			<i>For 0.040" Thick, Deduct</i>	-0.12	
			<i>For 0.042" Thick, Deduct</i>	0.07	
			<i>For 0.046" Thick, Add</i>	0.35	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0009			Vertical Vinyl Siding Panels (07 46 33 00-0002)		
07 46 33 00-0010	SF		7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	2.84	0.67
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0011			Vinyl Siding Accessories (07 46 33 00-0001)		
07 46 33 00-0012	LF		3/4" Pocket, Outside Corner Post For Vinyl Siding.....	3.18	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.11	
07 46 33 00-0013	LF		1-1/8" Pocket, Outside Corner Post For Vinyl Siding.....	6.47	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.27	
07 46 33 00-0014	LF		3/4" Pocket, Inside Corner Post For Vinyl Siding.....	2.35	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0015	LF		1-1/8" Pocket, Inside Corner Post For Vinyl Siding.....	3.04	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0016	LF		3/8" Pocket, J-Channel For Vinyl Siding.....	1.61	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0017	LF		1/2" Pocket, J-Channel For Vinyl Siding.....	1.45	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0018	LF		5/8" Pocket, J-Channel For Vinyl Siding.....	1.42	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0019	LF		3/4" Pocket, J-Channel For Vinyl Siding.....	1.52	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0020	LF		1" Pocket, J-Channel For Vinyl Siding.....	1.87	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0021	LF		1-1/4" Pocket, J-Channel For Vinyl Siding.....	2.11	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0022	LF		2-1/2" Pocket, J-Channel For Vinyl Siding.....	2.27	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0023	LF		1/2" Pocket, F-Channel For Vinyl Siding.....	1.61	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0024	LF		3/4" Pocket, 3-1/2" Lineals For Vinyl Siding.....	3.96	0.71
			<i>For Manufacturer's Custom Colors, Add</i>	0.13	
07 46 33 00-0025	LF		3/4" Pocket, 5" Lineals For Vinyl Siding.....	4.19	0.71
			<i>For Manufacturer's Custom Colors, Add</i>	0.14	
07 46 33 00-0026	LF		1-1/8" Pocket, 3-1/2" Lineals For Vinyl Siding.....	4.70	0.71
			<i>For Manufacturer's Custom Colors, Add</i>	0.16	
07 46 33 00-0027	LF		3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding.....	2.22	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0028	LF		Vinyl Starter Strip For Vinyl Siding.....	2.95	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0029	LF		Undersill Trim For Vinyl Siding.....	2.42	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0030			Vinyl Soffit And Fascia (07 46 33 00-0001)		
			Note: Excludes J-channel.		
07 46 33 00-0031	LF		6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	1.88	0.55
			<i>For 0.038" Thick, Deduct</i>	-0.34	
			<i>For 0.040" Thick, Deduct</i>	-0.28	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0032	LF		10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	2.44	0.58
			<i>For 0.038" Thick, Deduct</i>	-0.59	
			<i>For 0.040" Thick, Deduct</i>	-0.48	
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0033	LF		1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	2.74	0.59
			<i>For 0.038" Thick, Deduct</i>	-0.71	
			<i>For 0.040" Thick, Deduct</i>	-0.58	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0034	LF		1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	3.58	0.63
			<i>For 0.038" Thick, Deduct</i>	-1.05	
			<i>For 0.040" Thick, Deduct</i>	-0.88	
			<i>For Manufacturer's Custom Colors, Add</i>	0.12	
07 46 33 00-0035	LF		2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	4.47	0.68
			<i>For 0.038" Thick, Deduct</i>	-1.41	
			<i>For 0.040" Thick, Deduct</i>	-1.18	
			<i>For Manufacturer's Custom Colors, Add</i>	0.16	
07 46 33 00-0036	LF		3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	6.17	0.75
			<i>For 0.038" Thick, Deduct</i>	-2.12	
			<i>For 0.040" Thick, Deduct</i>	-1.79	
			<i>For Manufacturer's Custom Colors, Add</i>	0.23	
07 46 33 00-0037	LF		4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	7.87	0.82
			<i>For 0.038" Thick, Deduct</i>	-2.85	
			<i>For 0.040" Thick, Deduct</i>	-2.39	
			<i>For Manufacturer's Custom Colors, Add</i>	0.31	
07 46 33 00-0038	LF		5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	9.58	0.92
			<i>For 0.038" Thick, Deduct</i>	-3.55	
			<i>For 0.040" Thick, Deduct</i>	-2.99	
			<i>For Manufacturer's Custom Colors, Add</i>	0.39	
07 46 33 00-0039	LF		4" Exposure, Vinyl Fascia.....	2.00	0.54
			<i>For Manufacturer's Custom Colors, Add</i>	0.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0040	LF		6" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	2.30 0.06	0.55
07 46 33 00-0041	LF		8" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	2.25 0.06	0.57
07 46 33 00-0042	LF		10" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	2.67 0.08	0.58
07 46 33 00-0043			Fiberglass Siding (07 46 33)		
07 46 33 00-0044			Corrugated Panels (07 46 33 00-0043)		
07 46 33 00-0045	SF		6 Ounce Corrugated Fiberglass Panels.....	3.51	0.79
07 46 33 00-0046	SF		8 Ounce Corrugated Fiberglass Panels.....	3.83	0.71
07 46 33 00-0047	SF		12 Ounce Corrugated Fiberglass Panels.....	4.43	0.71
07 46 33 00-0048			Flat Panels (07 46 33 00-0043)		
07 46 33 00-0049	SF		6 Ounce Flat Fiberglass Panels.....	3.29	0.71
07 46 33 00-0050	SF		8 Ounce Flat Fiberglass Panels.....	3.83	0.71
07 46 46			Fiber-Cement Siding (07 46)		
			Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001			5/16" Thick, Fiber Cement Lap Siding (07 46 46)		
07 46 46 00-0002	SF		5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	3.06	0.82
07 46 46 00-0003	SF		6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	2.91	0.79
07 46 46 00-0004	SF		7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	2.85	0.77
07 46 46 00-0005	SF		8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	2.79	0.75
07 46 46 00-0006	SF		9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	2.68	0.71
07 46 46 00-0007	SF		12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	2.56	0.67
07 46 46 00-0008	LF		Starter Strip, Fiber Cement Lap Siding.....	0.67	0.20
07 46 46 00-0009			Fiber Cement Shingle Siding (07 46 46)		
07 46 46 00-0010	SF		Fiber Cement Shingle Siding.....	5.73	0.73
07 46 46 00-0011			Fiber Cement Vertical Panel Siding (07 46 46)		
07 46 46 00-0012	SF		Fiber Cement Vertical Panel Siding.....	2.29	0.59
07 46 46 00-0013			Fiber Cement Trim Boards (07 46 46)		
07 46 46 00-0014			7/16" Thick, Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0015	LF		4" Wide, 7/16" Thick, Fiber Cement Trim Board.....	1.47	0.39
07 46 46 00-0016	LF		6" Wide, 7/16" Thick, Fiber Cement Trim Board.....	2.00	0.43
07 46 46 00-0017	LF		8" Wide, 7/16" Thick, Fiber Cement Trim Board.....	2.51	0.47
07 46 46 00-0018	LF		12" Wide, 7/16" Thick, Fiber Cement Trim Board.....	3.42	0.56
07 46 46 00-0019			3/4" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0020	LF		4" Wide, 3/4" Thick, Fiber Cement Trim Board.....	1.58	0.39
07 46 46 00-0021	LF		6" Wide, 3/4" Thick, Fiber Cement Trim Board.....	2.17	0.43
07 46 46 00-0022	LF		8" Wide, 3/4" Thick, Fiber Cement Trim Board.....	2.79	0.47
07 46 46 00-0023	LF		12" Wide, 3/4" Thick, Fiber Cement Trim Board.....	2.80	0.56
07 46 46 00-0024			1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0025	LF		4" Wide, 1" Thick, Fiber Cement Trim Board.....	1.72	0.39
07 46 46 00-0026	LF		6" Wide, 1" Thick, Fiber Cement Trim Board.....	2.43	0.43
07 46 46 00-0027	LF		8" Wide, 1" Thick, Fiber Cement Trim Board.....	3.16	0.47
07 46 46 00-0028	LF		12" Wide, 1" Thick, Fiber Cement Trim Board.....	4.35	0.56
07 46 46 00-0029			Fiber Cement Fascia Board (07 46 46)		
07 46 46 00-0030	LF		5/4" x 3-1/2" Fiber Cement Fascia Board.....	3.01	0.78
07 46 46 00-0031	LF		5/4" x 5-1/2" Fiber Cement Fascia Board.....	4.05	0.86
07 46 46 00-0032	LF		5/4" x 7-1/4" Fiber Cement Fascia Board.....	4.78	0.86
07 46 46 00-0033	LF		5/4" x 11-1/4" Fiber Cement Fascia Board.....	6.69	1.01
07 46 46 00-0034			Fiber Cement Soffit Boards (07 46 46)		
07 46 46 00-0035	SF		1/4" Thick, Non Vented Fiber Cement Soffit.....	3.33	0.57
07 46 46 00-0036	SF		1/4" Thick, Vented Fiber Cement Soffit.....	3.62	0.57
07 46 63			Fabricated Panel Assemblies With Siding (07 46)		
07 46 63 00-0001			Metal Liner Panels (07 46 63)		
07 46 63 00-0002			Galvanized Metal Liner Panels (07 46 63 00-0001)		
07 46 63 00-0003	SF		24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	4.82	0.66
07 46 63 00-0004	SF		22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	5.39	0.66

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 46 63 00-0005	SF	20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	6.40	0.66
07 46 63 00-0006	SF	18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	6.50	0.66

07 50 Membrane Roofing ⁽⁰⁷⁾

Note: Includes placement of materials on roof up to 2-1/2 stories. See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing ^(07 50)**07 51 13 Built-Up Asphalt Roofing** ^(07 51)

07 51 13 00-0001		Built-Up Asphalt Roofing Components ^(07 51 13)		
07 51 13 00-0002		Built-Up Asphalt Membrane Roofing ^(07 51 13 00-0001) Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0066 for built-up roofing demolition.		
07 51 13 00-0003		Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing ^(07 51 13 00-0002) Note: Includes applying cold adhesive and embedding the membrane.		
07 51 13 00-0004		Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets ^(07 51 13 00-0003)		
07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	45.39	
		For Up To 10, Add	5.78	
		For >10 To 25, Add	4.61	
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	132.72	
		For Up To 10, Add	10.14	
		For >10 To 25, Add	8.97	
07 51 13 00-0007		Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing ^(07 51 13 00-0003)		
07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	3.02	
07 51 13 00-0009		Hot-Mopped, Built-Up Asphalt Membrane Roofing ^(07 51 13 00-0002) Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010		Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets ^(07 51 13 00-0009)		
07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	32.49	
		For Up To 10, Add	5.13	
		For >10 To 25, Add	3.96	
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	34.98	
		For Up To 10, Add	5.26	
		For >10 To 25, Add	4.09	
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	37.80	
		For Up To 10, Add	5.40	
		For >10 To 25, Add	4.23	
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	69.18	
		For Up To 10, Add	6.97	
		For >10 To 25, Add	5.80	
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	119.81	
		For Up To 10, Add	9.50	
		For >10 To 25, Add	8.33	
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	89.50	
		For Up To 10, Add	8.32	
		For >10 To 25, Add	7.04	
07 51 13 00-0017		Hot-Mopped, Built-Up Asphalt Roofing Flashing ^(07 51 13 00-0009)		
07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	1.85	
07 51 13 00-0019		Mechanically Fastened, Built-Up Asphalt Membrane Roofing ^(07 51 13 00-0002) Note: Includes fasteners.		
07 51 13 00-0020		Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets ^(07 51 13 00-0019)		
07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	36.28	
		For Up To 10, Add	3.57	
		For >10 To 25, Add	2.98	
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	70.48	
		For Up To 10, Add	5.28	
		For >10 To 25, Add	4.69	
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened.....	121.11	
		For Up To 10, Add	7.81	
		For >10 To 25, Add	7.22	
07 51 13 00-0024		Mechanically Fastened, Built-Up Asphalt Roofing Flashing ^(07 51 13 00-0019)		
07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	2.27	
07 51 13 00-0026		Asphalt Saturated Organic Felt ^(07 51 13 00-0001)		
07 51 13 00-0027		Cold Adhesive Applied, Asphalt Saturated Organic Felt ^(07 51 13 00-0026) Note: Includes applying cold adhesive and embedding the felt.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0028 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	43.84	
For Up To 10, Add	5.70	
For >10 To 25, Add	4.53	
07 51 13 00-0029 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	50.26	
For Up To 10, Add	6.02	
For >10 To 25, Add	4.85	
07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	30.93	
For Up To 10, Add	5.05	
For >10 To 25, Add	3.88	
07 51 13 00-0032 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	37.35	
For Up To 10, Add	5.37	
For >10 To 25, Add	4.21	
07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
Note: Includes fasteners.		
07 51 13 00-0034 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	15.50	
For Up To 10, Add	2.53	
For >10 To 25, Add	1.94	
07 51 13 00-0035 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	21.92	
For Up To 10, Add	2.85	
For >10 To 25, Add	2.26	
07 51 13 00-0036 Surfacing (07 51 13 00-0001)		
07 51 13 00-0037 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat.....	68.70	
For Up To 10, Add	12.20	
For >10 To 25, Add	9.28	
07 51 13 00-0038 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat.....	106.48	
For Up To 10, Add	14.09	
For >10 To 25, Add	11.17	
07 51 13 00-0039 CY Gravel Roofing Ballast, Spread To Desired Thickness.....	79.16	
Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040 SQ Protective Polypropylene Fabric Mat, Loose Laid.....	26.14	
Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
For Up To 10, Add	2.47	
For >10 To 25, Add	2.08	
07 51 13 00-0041 SQ Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat.....	53.60	
Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
For Up To 10, Add	4.79	
For >10 To 25, Add	4.08	
07 51 13 00-0042 SQ Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat.....	47.35	
Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
For Up To 10, Add	4.47	
For >10 To 25, Add	3.77	
07 51 13 00-0043 SQ Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat.....	64.40	
Note: Reflective coating for use over smooth-surfaced built-up roofs.		
For Up To 10, Add	5.33	
For >10 To 25, Add	4.62	
07 51 13 00-0044 SQ 100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....	64.96	
Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
For Up To 10, Add	5.35	
For >10 To 25, Add	4.65	
For Installation Over Granule Surfaced Asphalt Roof Systems, Add	19.79	
07 51 13 00-0045 SQ 100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat.....	67.26	
Note: Bleed blocking coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
For Up To 10, Add	5.47	
For >10 To 25, Add	4.77	
For Installation Over Granule Surfaced Asphalt Roof Systems, Add	20.55	
07 51 13 00-0046 SF Ceramic Coated Roofing Granules, Hand Broadcast.....	0.99	
Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047 SF Energy Star, Ceramic Coated Roofing Granules, Hand Broadcast.....	2.44	
Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048 Walkway Pads (07 51 13 00-0001)		
Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0049 LF 5/16" Thick, 32" Wide, Skid Resistant, SBS Modified Bitumen Walkway Pad.....	13.58	
07 51 13 00-0050 LF 1/2" Thick, 32" Wide, Skid Resistant, SBS Modified Bitumen Walkway Pad.....	16.27	
07 51 13 00-0051 Cant And Tapered Edge Strips (07 51 13 00-0001)		
07 51 13 00-0052 LF 2" x 2" Perlite Cant Strip.....	1.58	
07 51 13 00-0053 LF 3" x 3" Perlite Cant Strip.....	1.64	
07 51 13 00-0054 LF 4" x 4" Perlite Cant Strip.....	1.94	
07 51 13 00-0055 LF 3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally.....	1.87	
07 51 13 00-0056 LF 4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally.....	2.00	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 51 13 00-0057	LF	1/2" x 6" Perlite Tapered Edge Strip	1.75
07 51 13 00-0058	LF	1/2" x 12" Perlite Tapered Edge Strip	2.09
07 51 13 00-0059	LF	1" x 12" Perlite Tapered Edge Strip	2.18
07 51 13 00-0060	LF	1" x 24" Perlite Tapered Edge Strip	2.53
07 51 13 00-0061	LF	1-1/2" x 12" Perlite Tapered Edge Strip	2.50
07 51 13 00-0062	LF	1-1/2" x 18" Perlite Tapered Edge Strip	3.13
07 51 13 00-0063	LF	1-1/2" x 24" Perlite Tapered Edge Strip	3.60
07 51 13 00-0064		Asphalt Primer <small>(07 51 13 00-0001)</small>	
07 51 13 00-0065	SQ	Asphalt Primer For Roofing Systems..... Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	15.65
07 51 13 00-0066		Demolish Built-Up Roofing <small>(07 51 13 00-0001)</small>	
		Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.	
07 51 13 00-0067	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System	124.84
		For Up To 10, Add	30.70
		For >10 To 25, Add	18.42
07 51 13 00-0068	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System..... Note: Includes protective surfacing.	96.30
		For Up To 10, Add	23.68
		For >10 To 25, Add	14.21
07 51 13 00-0069		Roofing System Warranty <small>(07 51 13 00-0001)</small>	
		Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.	
07 51 13 00-0070	EA	Up To 70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	350.00
07 51 13 00-0071	SQ	>70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	5.00
07 51 13 00-0072	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	400.00
07 51 13 00-0073	EA	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	8.00
07 51 13 00-0074	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	550.00
07 51 13 00-0075	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	11.00
07 51 13 00-0076		Built-Up Roofing Components (Garland) <small>(07 51 13)</small>	
		Note: All tasks presented as a single layer. Adhesives are priced separately.	
07 51 13 00-0077		Modified Cap Membranes <small>(07 51 13 00-0076)</small>	
07 51 13 00-0078		Modified Cap Membranes, Hot/Cold Applied <small>(07 51 13 00-0077)</small>	
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.	
07 51 13 00-0079	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced SBS-Modified Fiberglass Reinforced Membrane, Minimum 145 Mil.....	332.99
07 51 13 00-0080	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth SBS-Modified Membrane With Recycled Rubber, 105 Mil.....	232.77
07 51 13 00-0081	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced SBS-Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil.....	288.77
07 51 13 00-0082	SQ	Stressply® E Eco-Responsible, Smooth SBS/SIS Membrane With High Recycled Content And Renewable Materials.....	300.18
07 51 13 00-0083	SQ	Stressply® E FR Mineral Eco-Responsible, SBS/SIS Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil.....	427.15
07 51 13 00-0084	SQ	Stressply® EUV SPF Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 SBS/SIS-Modified Membrane With Recycled Rubber, 160 Mil.....	471.38
07 51 13 00-0085	SQ	Versiply® 80 Dual Fiberglass Reinforced SBS-Modified Membrane, 80 Mil..... Note: Low strength cap sheet for hot or cold modified systems used with gravel.	195.22
07 51 13 00-0086	SQ	Versiply® Mineral Dual Fiberglass Reinforced SBS-Modified Membrane, Minimum 145 Mil.....	245.97
07 51 13 00-0087	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced SBS Modified Membrane, 140 Mil.....	188.90
07 51 13 00-0088		Modified Cap Membranes, Self-Adhering <small>(07 51 13 00-0077)</small>	
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.	
07 51 13 00-0089	SQ	Stressply® SA FR Mineral SBS-Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil..... Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	294.83
07 51 13 00-0090		Modified Cap Membranes, Torch-Applied <small>(07 51 13 00-0077)</small>	
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.	
07 51 13 00-0091	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth SBS-Modified Membrane, Torch Applied, 180 Mil..... Note: Smooth surfaced SBS torch modified top ply of torch system with gravel.	364.38
07 51 13 00-0092	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced SBS-Modified Membrane, Torch Applied, Minimum 195 Mil.....	395.77
07 51 13 00-0093	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface SBS-Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil.....	418.59
07 51 13 00-0094		Modified Cap Membranes, Coal Tar Pitch Systems <small>(07 51 13 00-0077)</small>	
		Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.	
07 51 13 00-0095	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth SBS-Modified Coal Tar Membrane, Minimum 120 Mil.....	337.10
07 51 13 00-0096	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced SBS-Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil.....	531.30
07 51 13 00-0097	SQ	Millennium® Mineral Poly/Fiberglass Reinforced SBS-Modified Coal Tar Membrane, Minimum 160 Mil.....	432.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 51 13 00-0098

Base Plys (07 51 13 00-0076)

Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.

07 51 13 00-0099	SQ	Flexbase® 120 Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	317.30
07 51 13 00-0100	SQ	Flexbase® 80 Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	185.69
07 51 13 00-0101	SQ	HPR® Aqua Shield Styrene-Butadiene Rubber (SBR)-Modified Fiberglass Reinforced Self-Adhering Underlayment For Ice And Water Protection, 60 Mil	117.64
07 51 13 00-0102	SQ	HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil	41.85
Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.			
07 51 13 00-0103	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	27.44
Note: Inner ply felts for hot applied built up and modified BUR systems.			
07 51 13 00-0104	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	64.68
07 51 13 00-0105	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	36.86
07 51 13 00-0106	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced SBS-Modified Base Sheet, 60 Mil	115.61
Note: Inner plies for cold applied modified, SBS modified, or 2 plies under cap sheet.			
07 51 13 00-0107	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	192.29
07 51 13 00-0108	SQ	HPR® SA FR Base Sheet SBS Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	163.22
Note: Self adhering base ply for self adhering 2 ply system.			
07 51 13 00-0109	SQ	HPR® Torch Base Sheet Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply For Torch Applied Membranes, 110 Mil	222.07
Note: Torch base sheet used as base ply for torch applied system.			
07 51 13 00-0110	SQ	StressBase® 120 Fiberglass Reinforced SBS-Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	166.33
07 51 13 00-0111	SQ	StressBase® 80 Fiberglass Reinforced, Smooth SBS-Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	138.15
07 51 13 00-0112	LF	Garmesh® 6" SBS Coated Woven Fiberglass Reinforcing Fabric	1.89
07 51 13 00-0113	SQ	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	34.83
07 51 13 00-0114	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	32.26
07 51 13 00-0115	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	2.49
07 51 13 00-0116	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	1.75
07 51 13 00-0117	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	1.82
07 51 13 00-0118	SQ	4873 HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	71.85

07 51 13 00-0119

Coatings And Mastics For Roof Installation, Restoration And Repairs (07 51 13 00-0076)

07 51 13 00-0120	SQ	Water Based Roof Primer, GarlaPrime VOC Primer (1 GAL/SQ)	26.47
07 51 13 00-0121	SQ	All-Knight™ Primer Bleed Blocker For Asphalt And Coal Tar Roofs Used With White-Knight, Garla-Brite And Pyramic Roof Systems (0.5 GAL/SQ)	38.89
07 51 13 00-0122	SQ	Black-Knight® Primer (0.5 GAL/SQ)	17.06
07 51 13 00-0123	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply (1.5-2.0 GAL/SQ)	75.05
07 51 13 00-0124	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ)	183.71
07 51 13 00-0125	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ)	293.48
07 51 13 00-0126	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply (30 LB/SQ)	92.61
07 51 13 00-0127	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat (70 LB/SQ)	209.59
07 51 13 00-0128	SQ	Energizer® K Plus FR Cold Applied SBS Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	83.34
07 51 13 00-0129	SQ	Energizer® K Plus FR Cold Applied SBS Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration (6 GAL/SQ)	162.94
07 51 13 00-0130	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	211.70
07 51 13 00-0131	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration (6 GAL/SQ)	419.75
07 51 13 00-0132	SQ	Garlastic® KM Plus Premium Hot Applied, SEBS Modified Adhesive/Waterproofer, Interply (25 LB/SQ)	72.88
07 51 13 00-0133	SQ	Garlastic® KM Plus Premium Hot Applied, SEBS Modified Adhesive/Waterproofer, Flood Coat (60 LB/SQ)	167.86
07 51 13 00-0134	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With SBS Sheets Only (2-3 GAL/SQ)	240.26
07 51 13 00-0135	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With SBS Sheets Only (2.0-2.5 GAL/SQ)	167.66
07 51 13 00-0136	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply (25 LB/SQ)	38.46
07 51 13 00-0137	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat (60 LB/SQ)	85.25
07 51 13 00-0138	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel (150 SF/Cartridge)	68.92
07 51 13 00-0139	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers (150 SF/Cartridge)	68.53
07 51 13 00-0140	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products (150-200 SF/GAL)	30.82
Note: Adheres all insulation layers for cold systems.			
07 51 13 00-0141	SQ	Pyramic® White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required (1-1.5 GAL/SQ)	58.32
07 51 13 00-0142	SQ	Pyramic® Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System, Top Coat Required (1-1.5 GAL/SQ)	57.72
07 51 13 00-0143	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh (1 GAL/7 LF)	7.87
07 51 13 00-0144	SQ	Solex® White, Kynar Acrylic Topcoat Roof Coating Used With Pyramic Base Coat (0.5 GAL/SQ)	113.36
07 51 13 00-0145	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric (2-2.5 GAL/SQ)	130.44

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**
 MINOR
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07 51 13 00-0146	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ)	103.45
07 51 13 00-0147	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Restoration (6-8 GAL/SQ)	148.82
07 51 13 00-0148	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply (2.5 GAL/SQ)	62.80
07 51 13 00-0149	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System (2-3 GAL/SQ)	121.45
07 51 13 00-0150	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply (2.5 GAL/SQ)	62.27

Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.

07 52 Modified Bituminous Membrane Roofing (07 50)**07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing** (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)**07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing** (07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 11-0001)

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	87.25
		For Up To 10, Add	7.87
		For >10 To 25, Add	6.70
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	107.19
		For Up To 10, Add	8.87
		For >10 To 25, Add	7.70
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	184.19
		For Up To 10, Add	12.72
		For >10 To 25, Add	11.55
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	185.31
		For Up To 10, Add	13.11
		For >10 To 25, Add	11.83
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	121.69
		For Up To 10, Add	9.92
		For >10 To 25, Add	8.64
		For Factory Applied White Reflective Surfacing, Add	57.60
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	141.86
		For Up To 10, Add	10.93
		For >10 To 25, Add	9.65
		For Factory Applied White Reflective Surfacing, Add	57.60
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	196.80
		For Up To 10, Add	13.68
		For >10 To 25, Add	12.40
		For Factory Applied White Reflective Surfacing, Add	57.60

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 11-0001)

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	3.54
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	3.65
		For Factory Applied White Reflective Surfacing, Add	0.58

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)**07 52 13 13-0001 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing** (07 52 13 13)

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 13 13-0002 Torch-Applied, APP Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 13-0001)

07 52 13 13-0003	SQ	80 Mil, APP Modified Bitumen Base Sheet, Torch-Applied	58.75
		For Up To 10, Add	5.57
		For >10 To 25, Add	4.69
07 52 13 13-0004	SQ	90 Mil, APP Modified Bitumen Base Or Ply Sheet, Torch-Applied	78.69
		For Up To 10, Add	6.57
		For >10 To 25, Add	5.69
07 52 13 13-0005	SQ	150 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied	88.05
		For Up To 10, Add	7.03
		For >10 To 25, Add	6.16
07 52 13 13-0006	SQ	160 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied	93.16
		For Up To 10, Add	7.29
		For >10 To 25, Add	6.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0007 SQ 180 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....	134.57	
For Up To 10, Add	9.36	
For >10 To 25, Add	8.48	
07 52 13 13-0008 SQ 150 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	88.59	
For Up To 10, Add	7.22	
For >10 To 25, Add	6.29	
07 52 13 13-0009 SQ 160 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	94.97	
For Up To 10, Add	7.54	
For >10 To 25, Add	6.61	
07 52 13 13-0010 SQ 180 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	135.11	
For Up To 10, Add	9.55	
For >10 To 25, Add	8.62	
07 52 13 13-0011 SQ 160 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	92.61	
For Up To 10, Add	7.42	
For >10 To 25, Add	6.49	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 13 13-0012 SQ 170 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	98.80	
For Up To 10, Add	7.73	
For >10 To 25, Add	6.80	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 13 13-0013 SQ 160 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	113.99	
For Up To 10, Add	8.49	
For >10 To 25, Add	7.56	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 13 13-0014 SQ 170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	115.84	
For Up To 10, Add	8.58	
For >10 To 25, Add	7.65	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 13 13-0015 SQ 180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....	167.72	
For Up To 10, Add	11.18	
For >10 To 25, Add	10.25	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 13 13-0016 Torch-Applied, APP Modified Bitumen Roofing Flashing (07 52 13 13-0001)		
07 52 13 13-0017 SF 150 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.33	
07 52 13 13-0018 SF 160 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.40	
07 52 13 13-0019 SF 180 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.80	
07 52 13 13-0020 SF 170 Mil, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.43	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 52 13 13-0021 SF 170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	1.60	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 52 13 13-0022 SF 180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....	2.12	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)		
07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13 14)		
Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 13 14-0002 Mechanically Fastened, APP Modified Bitumen Roofing Base And Ply Sheets (07 52 13 14-0001)		
07 52 13 14-0003 SQ 90 Mil, APP Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	95.59	
For Up To 10, Add	6.53	
For >10 To 25, Add	5.95	
07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52)		
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.		
07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)		
07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 11)		
Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 16 11-0002 Cold Adhesive Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 11-0001)		
07 52 16 11-0003 SQ 50 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	67.73	
For Up To 10, Add	6.89	
For >10 To 25, Add	5.72	
07 52 16 11-0004 SQ 80 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	89.87	
For Up To 10, Add	8.00	
For >10 To 25, Add	6.83	
07 52 16 11-0005 SQ 90 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	92.72	
For Up To 10, Add	8.14	
For >10 To 25, Add	6.97	
07 52 16 11-0006 SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	128.04	
For Up To 10, Add	9.91	
For >10 To 25, Add	8.74	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 16 11-0007	SQ	125 Mil, SBS Modified Bitumen Ply Sheet, Cold Adhesive Applied	163.77
		<i>For Up To 10, Add</i>	11.70
		<i>For >10 To 25, Add</i>	10.53
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	135.27
		<i>For Up To 10, Add</i>	10.60
		<i>For >10 To 25, Add</i>	9.32
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	139.11
		<i>For Up To 10, Add</i>	10.80
		<i>For >10 To 25, Add</i>	9.52
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	121.12
		<i>For Up To 10, Add</i>	9.90
		<i>For >10 To 25, Add</i>	8.62
		<i>For Factory Applied White Reflective Surfacing, Add</i>	57.60
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	122.77
		<i>For Up To 10, Add</i>	9.98
		<i>For >10 To 25, Add</i>	8.70
		<i>For Factory Applied White Reflective Surfacing, Add</i>	57.60
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	138.09
		<i>For Up To 10, Add</i>	10.74
		<i>For >10 To 25, Add</i>	9.46
		<i>For Factory Applied White Reflective Surfacing, Add</i>	57.60
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	140.64
		<i>For Up To 10, Add</i>	10.87
		<i>For >10 To 25, Add</i>	9.59
		<i>For Factory Applied White Reflective Surfacing, Add</i>	57.60
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	162.98
		<i>For Up To 10, Add</i>	11.99
		<i>For >10 To 25, Add</i>	10.71
		<i>For Factory Applied White Reflective Surfacing, Add</i>	57.60
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	203.67
		<i>For Up To 10, Add</i>	14.02
		<i>For >10 To 25, Add</i>	12.74
		<i>For Factory Applied White Reflective Surfacing, Add</i>	57.60
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	123.88
		<i>For Up To 10, Add</i>	10.03
		<i>For >10 To 25, Add</i>	8.75
		<i>For Factory Applied White Reflective Surfacing, Add</i>	57.60
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	127.88
		<i>For Up To 10, Add</i>	10.23
		<i>For >10 To 25, Add</i>	8.95
		<i>For Factory Applied White Reflective Surfacing, Add</i>	57.60
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	149.58
		<i>For Up To 10, Add</i>	11.32
		<i>For >10 To 25, Add</i>	10.04
		<i>For Factory Applied White Reflective Surfacing, Add</i>	57.60
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	150.09
		<i>For Up To 10, Add</i>	11.34
		<i>For >10 To 25, Add</i>	10.06
		<i>For Factory Applied White Reflective Surfacing, Add</i>	57.60
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied	159.79
		<i>For Up To 10, Add</i>	11.83
		<i>For >10 To 25, Add</i>	10.55
		<i>For Factory Applied White Reflective Surfacing, Add</i>	57.60

07 52 16 11-0021 Cold Adhesive Applied, SBS Modified Bitumen Roofing Flashing (07 52 16 11-0001)

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.08
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	2.90
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	2.91
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.09
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.31
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.72
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	2.92
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	2.96
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.19
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	3.28
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.58
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	4.08
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied	6.95

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)**07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 12)**

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 12-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0003 SQ 50 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	54.82	
For Up To 10, Add	6.25	
For >10 To 25, Add	5.08	
07 52 16 12-0004 SQ 80 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	76.96	
For Up To 10, Add	7.36	
For >10 To 25, Add	6.19	
07 52 16 12-0005 SQ 90 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped	79.82	
For Up To 10, Add	7.50	
For >10 To 25, Add	6.33	
07 52 16 12-0006 SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Hot-Mopped	115.13	
For Up To 10, Add	9.26	
For >10 To 25, Add	8.09	
07 52 16 12-0007 SQ 125 Mil, SBS Modified Bitumen Ply Sheet, Hot-Mopped	150.87	
For Up To 10, Add	11.05	
For >10 To 25, Add	9.88	
07 52 16 12-0008 SQ 140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	122.41	
For Up To 10, Add	9.96	
For >10 To 25, Add	8.68	
07 52 16 12-0009 SQ 150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	126.25	
For Up To 10, Add	10.15	
For >10 To 25, Add	8.87	
07 52 16 12-0010 SQ 125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	108.26	
For Up To 10, Add	9.25	
For >10 To 25, Add	7.97	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 16 12-0011 SQ 140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	109.92	
For Up To 10, Add	9.34	
For >10 To 25, Add	8.06	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 16 12-0012 SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	125.23	
For Up To 10, Add	10.10	
For >10 To 25, Add	8.82	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 16 12-0013 SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	127.79	
For Up To 10, Add	10.23	
For >10 To 25, Add	8.95	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 16 12-0014 SQ 170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	150.12	
For Up To 10, Add	11.35	
For >10 To 25, Add	10.07	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 16 12-0015 SQ 180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	190.81	
For Up To 10, Add	13.38	
For >10 To 25, Add	12.10	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 16 12-0016 SQ 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	111.03	
For Up To 10, Add	9.39	
For >10 To 25, Add	8.11	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 16 12-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	115.02	
For Up To 10, Add	9.59	
For >10 To 25, Add	8.31	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 16 12-0018 SQ 150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	136.72	
For Up To 10, Add	10.68	
For >10 To 25, Add	9.40	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 16 12-0019 SQ 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	137.23	
For Up To 10, Add	10.70	
For >10 To 25, Add	9.42	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 16 12-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	146.93	
For Up To 10, Add	11.19	
For >10 To 25, Add	9.91	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 16 12-0021 Hot-Mopped, SBS Modified Bitumen Roofing Flashing (07 52 16 12-0001)		
07 52 16 12-0022 SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	1.91	
07 52 16 12-0023 SF 125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	1.73	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 52 16 12-0024 SF 140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	1.74	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 52 16 12-0025 SF 150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	1.90	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 52 16 12-0026 SF 160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	1.92	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 52 16 12-0027 SF 170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.14	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 52 16 12-0028 SF 180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.55	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 52 16 12-0029 SF 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	1.75	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 52 16 12-0030 SF 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	1.79	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 52 16 12-0031 SF 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	1.97	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 52 16 12-0032 SF 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.11	
For Factory Applied White Reflective Surfacing, Add	0.58	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.91
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	5.77

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 13-0001		Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16 13)</small>	
		Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.	
07 52 16 13-0002		Torch-Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 13-0001)</small>	
07 52 16 13-0003	SQ	120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	105.92
		For Up To 10, Add	7.93
		For >10 To 25, Add	7.05
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	94.08
		For Up To 10, Add	7.49
		For >10 To 25, Add	6.56
		For Factory Applied White Reflective Surfacing, Add	57.60
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	108.63
		For Up To 10, Add	8.22
		For >10 To 25, Add	7.29
		For Factory Applied White Reflective Surfacing, Add	57.60
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	174.59
		For Up To 10, Add	11.52
		For >10 To 25, Add	10.59
		For Factory Applied White Reflective Surfacing, Add	57.60
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	98.24
		For Up To 10, Add	7.70
		For >10 To 25, Add	6.77
		For Factory Applied White Reflective Surfacing, Add	57.60
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	115.40
		For Up To 10, Add	8.56
		For >10 To 25, Add	7.63
		For Factory Applied White Reflective Surfacing, Add	57.60
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	120.81
		For Up To 10, Add	8.83
		For >10 To 25, Add	7.90
		For Factory Applied White Reflective Surfacing, Add	57.60
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	160.85
		For Up To 10, Add	10.83
		For >10 To 25, Add	9.90
		For Factory Applied White Reflective Surfacing, Add	57.60
07 52 16 13-0011		Torch-Applied, SBS Modified Bitumen Roofing Flashing <small>(07 52 16 13-0001)</small>	
07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	1.55
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	1.54
		For Factory Applied White Reflective Surfacing, Add	0.58
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.19
		For Factory Applied White Reflective Surfacing, Add	0.58
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	1.62
		For Factory Applied White Reflective Surfacing, Add	0.58
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	1.65
		For Factory Applied White Reflective Surfacing, Add	0.58
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.05
		For Factory Applied White Reflective Surfacing, Add	0.58
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	2.14
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied.....	5.42

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 14-0001		Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16 14)</small>	
		Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.	
07 52 16 14-0002		Mechanically Fastened, SBS Modified Bitumen Roofing Base And Ply Sheets <small>(07 52 16 14-0001)</small>	
07 52 16 14-0003	SQ	35 Mil, SBS Modified Bitumen Ply Sheet, Mechanically Fastened.....	73.59
		For Up To 10, Add	5.43
		For >10 To 25, Add	4.85
07 52 16 14-0004	SQ	50 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened.....	56.13
		For Up To 10, Add	4.56
		For >10 To 25, Add	3.97
07 52 16 14-0005	SQ	80 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened.....	73.32
		For Up To 10, Add	5.42
		For >10 To 25, Add	4.83
07 52 16 14-0006	SQ	90 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened.....	92.31
		For Up To 10, Add	6.37
		For >10 To 25, Add	5.78
07 52 16 14-0007	SQ	120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	116.43
		For Up To 10, Add	7.57
		For >10 To 25, Add	6.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 14-0008 Mechanically Fastened, SBS Modified Bitumen Roofing Flashing <small>(07 52 16 14-0001)</small>		
07 52 16 14-0009 SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened.....	1.37	
07 52 16 14-0010 SF 160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened.....	1.40	
07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16)</small>		
07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16 15)</small>		
Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002 Self-Adhering, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 15-0001)</small>		
07 52 16 15-0003 SQ 60 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering.....	58.15	
For Up To 10, Add	5.01	
For >10 To 25, Add	4.31	
07 52 16 15-0004 SQ 70 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering.....	61.77	
For Up To 10, Add	5.19	
For >10 To 25, Add	4.49	
07 52 16 15-0005 SQ 120 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering.....	105.79	
For Up To 10, Add	7.55	
For >10 To 25, Add	6.80	
07 52 16 15-0006 SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering.....	127.01	
For Up To 10, Add	8.61	
For >10 To 25, Add	7.86	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 16 15-0007 SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering.....	189.55	
For Up To 10, Add	11.74	
For >10 To 25, Add	10.99	
For Factory Applied White Reflective Surfacing, Add	57.60	
07 52 16 15-0008 Self-Adhering, SBS Modified Bitumen Roofing Flashing <small>(07 52 16 15-0001)</small>		
07 52 16 15-0009 SF 70 Mil, SBS Modified Bitumen Flashing, Self-Adhering.....	1.53	
07 52 16 15-0010 SF 150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering.....	1.73	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 52 16 15-0011 SF 160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering.....	2.36	
For Factory Applied White Reflective Surfacing, Add	0.58	
07 53 Elastomeric Membrane Roofing <small>(07 50)</small>		
Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.		
07 53 16 Chlorosulfonate-Polyethylene Roofing <small>(07 53)</small>		
07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes <small>(07 53 16)</small>		
Note: Includes hot air welding or adhesive bonding of seams.		
07 53 16 00-0002 SQ 45 Mil, Single Ply CSPE Roofing Membrane, Fully Adhered.....	224.11	28.53
Note: Includes adhesive.		
For Up To 10, Add	28.04	
For >10 To 25, Add	22.43	
For 15 Year Warranty, Add	3.00	
07 53 16 00-0003 SQ 45 Mil, Single Ply CSPE Roofing Membrane, Ballasted.....	167.60	14.27
Note: Includes ballast.		
For Up To 10, Add	16.80	
For >10 To 25, Add	13.99	
For 15 Year Warranty, Add	3.00	
07 53 16 00-0004 SQ 45 Mil, Single Ply CSPE Roofing Membrane, Mechanically Fastened.....	173.23	21.40
Note: Includes fasteners.		
For Up To 10, Add	21.29	
For >10 To 25, Add	17.08	
For 15 Year Warranty, Add	3.00	
07 53 23 Ethylene-Propylene-Diene-Monomer Roofing <small>(07 53)</small>		
07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes <small>(07 53 23)</small>		
Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).		
07 53 23 00-0002 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	120.23	14.27
Note: Includes ballast.		
For Up To 10, Add	14.43	
For >10 To 25, Add	11.62	
For 15 Year Warranty, Add	3.00	
For Low Slope Fire Rated, Add	4.63	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	12.16	
07 53 23 00-0003 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	136.40	15.16
Note: Includes ballast.		
For Up To 10, Add	15.77	
For >10 To 25, Add	12.78	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.63	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	12.16	

07 Thermal And Moisture Protection

07 50 Membrane Roofing

07 53 Elastomeric Membrane Roofing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	212.87	16.05
		Note: Includes ballast.		
		For Up To 10, Add	20.11	
		For >10 To 25, Add	16.96	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	6.00	
		For 25 Year Warranty, Add	8.00	
		For Low Slope Fire Rated, Add	4.63	
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	136.24	21.40
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	19.44	
		For >10 To 25, Add	15.23	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	4.63	
		For Low VOC Adhesive, Add	21.22	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	12.16	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.16	
		For Integral Polyester Fleece-Backing, Add	64.90	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	152.40	22.29
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	20.78	
		For >10 To 25, Add	16.39	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	6.00	
		For 25 Year Warranty, Add	8.00	
		For Low Slope Fire Rated, Add	4.63	
		For Low VOC Adhesive, Add	21.22	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	12.16	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.16	
		For Integral Polyester Fleece-Backing, Add	71.69	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	228.87	23.18
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	25.12	
		For >10 To 25, Add	20.56	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	6.00	
		For 25 Year Warranty, Add	8.00	
		For Low Slope Fire Rated, Add	4.63	
		For Low VOC Adhesive, Add	21.22	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.16	
		For Integral Polyester Fleece-Backing, Add	79.10	
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	179.63	28.53
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	25.82	
		For >10 To 25, Add	20.21	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	4.63	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	12.16	
		For Low VOC Adhesive, Add	53.05	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.16	
		For Integral Polyester Fleece-Backing, Add	64.90	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	195.78	29.43
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	27.15	
		For >10 To 25, Add	21.37	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	6.00	
		For 25 Year Warranty, Add	8.00	
		For Low Slope Fire Rated, Add	4.63	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	12.16	
		For Low VOC Adhesive, Add	53.05	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.16	
		For Integral Polyester Fleece-Backing, Add	71.69	
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	272.25	30.32
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	31.50	
		For >10 To 25, Add	25.54	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	6.00	
		For 25 Year Warranty, Add	8.00	
		For Low Slope Fire Rated, Add	4.63	
		For Low VOC Adhesive, Add	53.05	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.16	
		For Integral Polyester Fleece-Backing, Add	79.10	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	125.73	21.40
		Note: Includes fasteners.		
		For Up To 10, Add	18.92	
		For >10 To 25, Add	14.71	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	4.63	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	12.16	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 53 23 00-0012	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened 141.89		22.29
			Note: Includes fasteners.		
			For Up To 10, Add	20.25	
			For >10 To 25, Add	15.86	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.63	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	12.16	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.16	
07 53 23 00-0013	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened 218.36		23.18
			Note: Includes fasteners.		
			For Up To 10, Add	24.60	
			For >10 To 25, Add	20.04	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.63	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	44.16	

07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories (07 53 23)

07 53 23 00-0015	SQ		Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat 34.22		
			For Up To 10, Add	3.82	
			For >10 To 25, Add	3.12	
07 53 23 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat 35.57		
			Note: 55% solids by volume.		
			For Up To 10, Add	3.88	
			For >10 To 25, Add	3.18	
07 53 23 00-0017	EA		Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot 19.93		3.39
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018	EA		>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot 30.61		3.39
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019	EA		>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot 61.45		3.39
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020	EA		6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket 82.54		3.74
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021	LF		30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad 16.28		2.06
			Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing 2.87		0.54
07 53 23 00-0023	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing 3.40		0.80

07 53 29 Polyisobutylene Roofing (07 53)

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes (07 53 29)

			Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.		
07 53 29 00-0002	SQ		100 Mil, Single Ply PIB Roofing Membrane, Ballasted 262.70		16.05
			Note: Includes ballast.		
			For Up To 10, Add	22.61	
			For >10 To 25, Add	19.45	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
07 53 29 00-0003	SQ		100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%) 285.87		23.18
			Note: Includes adhesive.		
			For Up To 10, Add	27.97	
			For >10 To 25, Add	23.41	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
07 53 29 00-0004	SQ		100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered 340.02		30.32
			Note: Includes adhesive.		
			For Up To 10, Add	34.89	
			For >10 To 25, Add	28.93	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	

07 54 Thermoplastic Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing (07 54)

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19)

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 Thermal And Moisture Protection

07 50 Membrane Roofing

07 54 Thermoplastic Membrane Roofing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54	19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	156.78	14.27
			Note: Includes ballast.		
			For Up To 10, Add	16.26	
			For >10 To 25, Add	13.45	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	43.55	
07 54	19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	181.34	15.16
			Note: Includes ballast.		
			For Up To 10, Add	18.01	
			For >10 To 25, Add	15.03	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	43.55	
07 54	19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	211.33	15.61
			Note: Includes ballast.		
			For Up To 10, Add	19.77	
			For >10 To 25, Add	16.70	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	43.55	
07 54	19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	224.88	16.05
			Note: Includes ballast.		
			For Up To 10, Add	20.72	
			For >10 To 25, Add	17.56	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	43.55	
07 54	19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	197.79	28.53
			Note: Includes adhesive.		
			For Up To 10, Add	26.73	
			For >10 To 25, Add	21.12	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	35.96	
			For Integral Polyester Fleece-Backing, Add	43.55	
07 54	19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	222.34	29.43
			Note: Includes adhesive.		
			For Up To 10, Add	28.48	
			For >10 To 25, Add	22.69	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	35.96	
			For Integral Polyester Fleece-Backing, Add	43.55	
07 54	19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	252.34	29.87
			Note: Includes adhesive.		
			For Up To 10, Add	30.25	
			For >10 To 25, Add	24.37	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	35.96	
			For Integral Polyester Fleece-Backing, Add	43.55	
07 54	19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	265.88	30.32
			Note: Includes adhesive.		
			For Up To 10, Add	31.18	
			For >10 To 25, Add	25.22	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	35.96	
			For Integral Polyester Fleece-Backing, Add	43.55	
07 54	19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	157.89	21.40
			Note: Includes fasteners.		
			For Up To 10, Add	20.52	
			For >10 To 25, Add	16.31	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	43.55	
07 54	19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	182.45	22.29
			Note: Includes fasteners.		
			For Up To 10, Add	22.28	
			For >10 To 25, Add	17.89	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	43.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0012	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened .....212.44 Note: Includes fasteners.		22.74
			For Up To 10, Add	24.04	
			For >10 To 25, Add	19.57	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	43.55	
07 54 19 00-0013	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened .....225.98 Note: Includes fasteners.		23.18
			For Up To 10, Add	24.98	
			For >10 To 25, Add	20.42	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	43.55	
07 54 19 00-0014			Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)		
07 54 19 00-0015	SQ		Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat .....34.22 For Up To 10, Add	3.82	
			For >10 To 25, Add	3.12	
07 54 19 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....35.57 Note: 55% solids by volume.		
			For Up To 10, Add	3.88	
			For >10 To 25, Add	3.18	
07 54 19 00-0017	EA		Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....36.70 Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		3.03
07 54 19 00-0018	EA		>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....52.77 Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		3.39
07 54 19 00-0019	EA		>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....68.34 Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		3.74
07 54 19 00-0020	EA		6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket .....88.40 Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		3.74
07 54 19 00-0021	LF		36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad .....13.52		2.06
07 54 19 00-0022	SF		Polyvinyl Chloride (PVC) Membrane Base Flashing.....3.57		0.54
07 54 19 00-0023	SF		Polyvinyl Chloride (PVC) Membrane Curb Flashing .....4.10		0.80
07 54 19 00-0024	SF		Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....5.12 Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		0.54
07 54 23			Thermoplastic-Polyolefin Roofing (07 54)		
07 54 23 00-0001			Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)		
			Note: Includes polyester fabric reinforcement and hot air welding of seams.		
07 54 23 00-0002	SQ		45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered .....171.88 Note: Includes adhesive.		28.53
			For Up To 10, Add	25.43	
			For >10 To 25, Add	19.82	
			For 15 Year Warranty, Add	3.00	
			For Low VOC Adhesive, Add	53.05	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0003	SQ		60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered .....185.00 Note: Includes adhesive.		29.43
			For Up To 10, Add	26.61	
			For >10 To 25, Add	20.83	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low VOC Adhesive, Add	53.05	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ		80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered .....245.03 Note: Includes adhesive.		30.32
			For Up To 10, Add	30.14	
			For >10 To 25, Add	24.18	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low VOC Adhesive, Add	53.05	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005	SQ		45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....113.61 Note: Includes fasteners.		21.40
			For Up To 10, Add	18.31	
			For >10 To 25, Add	14.10	
			For 15 Year Warranty, Add	3.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0006	SQ		60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....126.72 Note: Includes fasteners.		22.29
			For Up To 10, Add	19.49	
			For >10 To 25, Add	15.11	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Integral Polyester Fleece-Backing, Add	33.25	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 54 23 00-0007	SQ	80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	186.76	23.18
		Note: Includes fasteners.		
		For Up To 10, Add	23.02	
		For >10 To 25, Add	18.46	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	6.00	
		For 25 Year Warranty, Add	8.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0008		Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)		
07 54 23 00-0009	SQ	Acrylic, TPO Roofing Primer, Price Per Coat.....	41.66	
		For Up To 10, Add	4.19	
		For >10 To 25, Add	3.49	
07 54 23 00-0010	SQ	Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat.....	35.57	
		Note: 55% solids by volume.		
		For Up To 10, Add	3.88	
		For >10 To 25, Add	3.18	
		For Tan Or Gray Color, Add	1.42	
07 54 23 00-0011	EA	Up To 3" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot.....	31.02	3.03
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0012	EA	>3" To 8" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot.....	33.32	3.39
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0013	EA	6" Diameter, Prefabricated TPO Penetration Pocket	64.71	3.74
		Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0014	LF	30" Wide, TPO Walkway Protection Pad	13.31	2.06
07 54 23 00-0015	SF	TPO Membrane Base Flashing.....	3.76	0.54
07 54 23 00-0016	SF	TPO Curb Flashing.....	2.75	0.54
		For Tan Or Gray Color, Add	0.06	
07 54 23 00-0017	SF	TPO Clad Edge Metal Or Base Flashing	5.90	0.54
		Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		

07 56 Fluid-Applied Roofing (07 50)**07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)**

07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing.....	553.46	48.62
		For Each Additional Coat, Add	83.02	

07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)

07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing.....	513.83	51.24
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing.....	575.22	57.22

07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)

07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	219.52	29.36
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	247.96	29.36
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	269.37	29.36

07 56 00 00-0010 Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)

07 56 00 00-0011	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane	757.51	29.36
		Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 60 mil second coat.		

07 56 00 00-0012 Urethane Liquid Roofing Membrane (07 56)

Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.

07 56 00 00-0013	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	43.47	
07 56 00 00-0014	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	1.82	
07 56 00 00-0015	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	206.39	
07 56 00 00-0016	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System (0.25 GAL/SQ)	40.79	
07 56 00 00-0017	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	246.20	
07 56 00 00-0018	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (0.5 GAL/SQ)	65.85	
07 56 00 00-0019	SQ	White-Knight® WC Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	259.89	
07 56 00 00-0020	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	252.19	

07 57 Coated Foamed Roofing (07 50)**07 57 13 Sprayed Polyurethane Foam Roofing (07 57)**

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001		Sprayed Polyurethane Foam Roofing Systems (07 57 13)		
07 57 13 00-0002		Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0003 Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	202.00	18.28
07 57 13 00-0005 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	299.31	20.89
07 57 13 00-0006 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	407.20	23.50
07 57 13 00-0007 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	493.91	26.12
07 57 13 00-0008 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	591.21	28.73
07 57 13 00-0009 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	688.51	31.34
 07 57 13 00-0010 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0011 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	210.24	18.28
07 57 13 00-0012 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	307.55	20.89
07 57 13 00-0013 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	404.84	23.50
07 57 13 00-0014 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	502.15	26.12
07 57 13 00-0015 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	599.45	28.73
07 57 13 00-0016 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	696.75	31.34
 07 57 13 00-0017 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0018 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	230.25	18.28
07 57 13 00-0019 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	324.03	20.89
07 57 13 00-0020 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	421.33	23.50
07 57 13 00-0021 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	562.66	26.12
07 57 13 00-0022 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	668.90	28.73
07 57 13 00-0023 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	775.15	31.34
 07 57 13 00-0024 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating <small>(07 57 13 00-0001)</small>		
07 57 13 00-0025 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0024)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0026 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	236.14	18.28
07 57 13 00-0027 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	342.39	20.89
07 57 13 00-0028 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	448.64	23.50
07 57 13 00-0029 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	554.89	26.12
07 57 13 00-0030 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	661.13	28.73
07 57 13 00-0031 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	767.38	31.34
 07 57 13 00-0032 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0024)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0033 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	247.79	18.28
07 57 13 00-0034 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	354.05	20.89
07 57 13 00-0035 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	460.29	23.50

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 57 Coated Foamed Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0036	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	566.54	26.12
07 57 13 00-0037	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	672.79	28.73
07 57 13 00-0038	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	779.03	31.34
07 57 13 00-0039			Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0024)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0040	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	256.86	18.28
07 57 13 00-0041	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	363.11	20.89
07 57 13 00-0042	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	469.36	23.50
07 57 13 00-0043	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	575.61	26.12
07 57 13 00-0044	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	681.85	28.73
07 57 13 00-0045	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	788.10	31.34
07 58			Roll Roofing <small>(07 50)</small>		
07 58 00 00-0001			Prepared Roll Roofing <small>(07 58)</small> Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002	SQ		Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	101.59	11.76
07 59			Membrane Roofing Accessories <small>(07 50)</small>		
07 59 00 00-0001			Membrane Roofing Accessories <small>(07 59)</small>		
07 59 00 00-0002	LF		Roofing Membrane Termination Bar..... Note: Includes fasteners and caulking.	2.07	0.53
07 60			Flashing And Sheet Metal <small>(07)</small> Note: Includes placement of materials on roof up to 2-1/2 stories.		
07 62			Sheet Metal Flashing And Trim <small>(07 60)</small>		
07 62 00 00-0001			Lead Flashing And Trim <small>(07 62)</small>		
07 62 00 00-0002	SF		2.5 LB/SF Sheet Lead Flashing.....	14.58	1.98
07 62 00 00-0003	SF		4 LB/SF Sheet Lead Flashing.....	19.85	1.98
07 62 00 00-0004			Copper Flashing And Trim <small>(07 62)</small>		
07 62 00 00-0005			Copper Flashing And Trim <small>(07 62 00 00-0004)</small>		
07 62 00 00-0006	SF		16 Ounce, 0.021" Thick, Copper Flashing And Trim..... For >500 To 2,000, Deduct -1.68 For >2,000, Deduct -2.11 For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add 0.77 For Wrap Around Window Panning, Add 3.83	12.35	1.94
07 62 00 00-0007	SF		20 Ounce, 0.027" Thick, Copper Flashing And Trim..... For >500 To 2,000, Deduct -1.74 For >2,000, Deduct -2.17 For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add 0.80 For Wrap Around Window Panning, Add 4.01	12.74	1.98
07 62 00 00-0008	SF		24 Ounce, 0.032" Thick, Copper Flashing And Trim..... For >500 To 2,000, Deduct -1.99 For >2,000, Deduct -2.51 For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add 0.84 For Wrap Around Window Panning, Add 4.20	14.67	2.12
07 62 00 00-0009	SF		32 Ounce, 0.043" Thick, Copper Flashing And Trim..... For >500 To 2,000, Deduct -2.48 For >2,000, Deduct -3.17 For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add 0.88 For Wrap Around Window Panning, Add 4.40	18.37	2.21
07 62 00 00-0010			Stainless Steel Flashing And Trim <small>(07 62)</small>		
07 62 00 00-0011			Stainless Steel Flashing And Trim <small>(07 62 00 00-0010)</small>		
07 62 00 00-0012	SF		32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim..... For Wrap Around Window Panning, Add 2.72 For Mechanically Keyed Flashing, Add 1.06	5.36	1.05
07 62 00 00-0013	SF		28 Gauge, 0.015" Thick, Stainless Steel Flashing And Trim..... For Wrap Around Window Panning, Add 2.72 For Mechanically Keyed Flashing, Add 1.58	6.68	1.24



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0014	SF		26 Gauge, 0.018" Thick, Stainless Steel Flashing And Trim..... <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	7.85 2.90 1.98	1.46
07 62 00 00-0015	SF		24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim..... <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	9.65 3.06 2.64	1.54
07 62 00 00-0016			Stainless Steel Drip Edge (07 62 00 00-0010) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0017			26 Gauge, Stainless Steel Drip Edge (07 62 00 00-0016)		
07 62 00 00-0018	LF		Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	3.91	0.39
07 62 00 00-0019	LF		>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge.....	4.95	0.39
07 62 00 00-0020	LF		>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	5.73	0.39
07 62 00 00-0021	LF		>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge.....	7.03	0.39
07 62 00 00-0022	LF		>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge.....	9.11	0.39
07 62 00 00-0023			24 Gauge, Stainless Steel Drip Edge (07 62 00 00-0016)		
07 62 00 00-0024	LF		Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	4.89	0.39
07 62 00 00-0025	LF		>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge.....	6.26	0.39
07 62 00 00-0026	LF		>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge.....	7.29	0.39
07 62 00 00-0027	LF		>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge.....	8.99	0.39
07 62 00 00-0028	LF		>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge.....	11.73	0.39
07 62 00 00-0029			22 Gauge, Stainless Steel Drip Edge (07 62 00 00-0016)		
07 62 00 00-0030	LF		Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	6.05	0.39
07 62 00 00-0031	LF		>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge.....	7.80	0.39
07 62 00 00-0032	LF		>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge.....	9.12	0.39
07 62 00 00-0033	LF		>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge.....	11.31	0.39
07 62 00 00-0034	LF		>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge.....	14.81	0.39
07 62 00 00-0035			Aluminum Flashing And Trim (07 62)		
07 62 00 00-0036			Aluminum Flashing And Trim (07 62 00 00-0035)		
07 62 00 00-0037	SF		0.013" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	5.30 0.23 3.04	1.37
07 62 00 00-0038	SF		0.016" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	5.79 0.28 3.04	1.37
07 62 00 00-0039	SF		0.019" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	6.18 0.31 3.04	1.37
07 62 00 00-0040	SF		0.024" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	6.75 0.37 3.04	1.37
07 62 00 00-0041	SF		0.032" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	7.53 0.45 3.04	1.37
07 62 00 00-0042	SF		0.040" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	8.02 0.50 3.04	1.37
07 62 00 00-0043	SF		0.050" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	8.41 0.54 3.04	1.37
07 62 00 00-0044			Aluminum Drip Edge (07 62 00 00-0035) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0045			KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0044)		
07 62 00 00-0046			0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0047	LF		Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	2.65	0.39
07 62 00 00-0048	LF		>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.32	0.39
07 62 00 00-0049	LF		>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.72	0.39
07 62 00 00-0050	LF		>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.51	0.39
07 62 00 00-0051	LF		>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.93	0.39
07 62 00 00-0052			0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0053	LF		Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	2.88	0.39
07 62 00 00-0054	LF		>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.57	0.39
07 62 00 00-0055	LF		>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.09	0.39
07 62 00 00-0056	LF		>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.96	0.39
07 62 00 00-0057	LF		>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.35	0.39
07 62 00 00-0058			0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0059	LF		Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.10	0.39
07 62 00 00-0060	LF		>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.87	0.39
07 62 00 00-0061	LF		>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.45	0.39

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0062	LF		>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.41	0.39
07 62 00 00-0063	LF		>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.95	0.39
07 62 00 00-0064			0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0065	LF		Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.55	0.39
07 62 00 00-0066	LF		>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.46	0.39
07 62 00 00-0067	LF		>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.16	0.39
07 62 00 00-0068	LF		>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.30	0.39
07 62 00 00-0069	LF		>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.14	0.39
07 62 00 00-0070			0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0071	LF		Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.69	0.39
07 62 00 00-0072	LF		>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.69	0.39
07 62 00 00-0073	LF		>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.39	0.39
07 62 00 00-0074	LF		>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.60	0.39
07 62 00 00-0075	LF		>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.54	0.39
07 62 00 00-0076			0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0077	LF		Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.22	0.39
07 62 00 00-0078	LF		>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.36	0.39
07 62 00 00-0079	LF		>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.21	0.39
07 62 00 00-0080	LF		>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.64	0.39
07 62 00 00-0081	LF		>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.93	0.39
07 62 00 00-0082			0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0083	LF		Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.96	0.39
07 62 00 00-0084	LF		>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.35	0.39
07 62 00 00-0085	LF		>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.39	0.39
07 62 00 00-0086	LF		>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.13	0.39
07 62 00 00-0087	LF		>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	11.91	0.39
07 62 00 00-0088			0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0089	LF		Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.85	0.39
07 62 00 00-0090	LF		>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.54	0.39
07 62 00 00-0091	LF		>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.81	0.39
07 62 00 00-0092	LF		>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.92	0.39
07 62 00 00-0093	LF		>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.29	0.39
07 62 00 00-0094			Mill Finish, Aluminum Drip Edge (07 62 00 00-0044)		
07 62 00 00-0095			0.016" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0096	LF		Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	2.07	0.39
07 62 00 00-0097	LF		>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	2.54	0.39
07 62 00 00-0098	LF		>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	2.81	0.39
07 62 00 00-0099	LF		>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	3.36	0.39
07 62 00 00-0100	LF		>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	4.33	0.39
07 62 00 00-0101			0.019" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0102	LF		Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	2.23	0.39
07 62 00 00-0103	LF		>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	2.71	0.39
07 62 00 00-0104	LF		>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	3.07	0.39
07 62 00 00-0105	LF		>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	3.67	0.39
07 62 00 00-0106	LF		>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	4.62	0.39
07 62 00 00-0107			0.025" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0108	LF		Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	2.38	0.39
07 62 00 00-0109	LF		>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	2.91	0.39
07 62 00 00-0110	LF		>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	3.32	0.39
07 62 00 00-0111	LF		>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	3.97	0.39
07 62 00 00-0112	LF		>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	5.04	0.39
07 62 00 00-0113			0.032" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0114	LF		Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	2.69	0.39
07 62 00 00-0115	LF		>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	3.32	0.39
07 62 00 00-0116	LF		>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	3.80	0.39
07 62 00 00-0117	LF		>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	4.59	0.39
07 62 00 00-0118	LF		>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	5.86	0.39
07 62 00 00-0119			0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0120	LF		Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	2.79	0.39
07 62 00 00-0121	LF		>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	3.48	0.39
07 62 00 00-0122	LF		>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	3.97	0.39
07 62 00 00-0123	LF		>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	4.80	0.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0124 LF >12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	6.13	0.39
07 62 00 00-0125 0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0126 LF Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	3.15	0.39
07 62 00 00-0127 LF >5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	3.94	0.39
07 62 00 00-0128 LF >7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	4.53	0.39
07 62 00 00-0129 LF >9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	5.52	0.39
07 62 00 00-0130 LF >12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	7.09	0.39
07 62 00 00-0131 0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0132 LF Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	3.67	0.39
07 62 00 00-0133 LF >5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	4.62	0.39
07 62 00 00-0134 LF >7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	5.34	0.39
07 62 00 00-0135 LF >9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	6.54	0.39
07 62 00 00-0136 LF >12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	8.46	0.39
07 62 00 00-0137 0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0138 LF Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	4.28	0.39
07 62 00 00-0139 LF >5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	5.45	0.39
07 62 00 00-0140 LF >7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	6.32	0.39
07 62 00 00-0141 LF >9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	7.77	0.39
07 62 00 00-0142 LF >12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	10.10	0.39
07 62 00 00-0143 Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0044)		
07 62 00 00-0144 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0145 LF Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	2.76	0.39
07 62 00 00-0146 LF >5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.47	0.39
07 62 00 00-0147 LF >7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.89	0.39
07 62 00 00-0148 LF >9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.74	0.39
07 62 00 00-0149 LF >12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.24	0.39
07 62 00 00-0150 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0151 LF Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.00	0.39
07 62 00 00-0152 LF >5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.74	0.39
07 62 00 00-0153 LF >7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.29	0.39
07 62 00 00-0154 LF >9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.21	0.39
07 62 00 00-0155 LF >12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.68	0.39
07 62 00 00-0156 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0157 LF Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.24	0.39
07 62 00 00-0158 LF >5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.05	0.39
07 62 00 00-0159 LF >7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.67	0.39
07 62 00 00-0160 LF >9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.68	0.39
07 62 00 00-0161 LF >12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.32	0.39
07 62 00 00-0162 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0163 LF Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.71	0.39
07 62 00 00-0164 LF >5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.68	0.39
07 62 00 00-0165 LF >7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.42	0.39
07 62 00 00-0166 LF >9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.63	0.39
07 62 00 00-0167 LF >12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.58	0.39
07 62 00 00-0168 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0169 LF Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.87	0.39
07 62 00 00-0170 LF >5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.92	0.39
07 62 00 00-0171 LF >7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.67	0.39
07 62 00 00-0172 LF >9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.95	0.39
07 62 00 00-0173 LF >12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.00	0.39
07 62 00 00-0174 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0175 LF Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.42	0.39
07 62 00 00-0176 LF >5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.63	0.39
07 62 00 00-0177 LF >7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.54	0.39
07 62 00 00-0178 LF >9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.05	0.39
07 62 00 00-0179 LF >12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.47	0.39
07 62 00 00-0180 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0181 LF Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.21	0.39
07 62 00 00-0182 LF >5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.68	0.39
07 62 00 00-0183 LF >7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.79	0.39
07 62 00 00-0184 LF >9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.63	0.39
07 62 00 00-0185 LF >12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	12.58	0.39

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 62 00 00-0186	0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0187	LF Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.16	0.39
07 62 00 00-0188	LF >5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.95	0.39
07 62 00 00-0189	LF >7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.29	0.39
07 62 00 00-0190	LF >9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.53	0.39
07 62 00 00-0191	LF >12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	15.10	0.39
07 62 00 00-0192	Steel Flashing And Trim (07 62)		
07 62 00 00-0193	Galvanized Steel Flashing And Trim (07 62 00 00-0192)		
07 62 00 00-0194	SF 26 Gauge, Galvanized Steel Flashing.....	7.22	1.41
	For Wrap Around Window Panning, Add	3.06	
07 62 00 00-0195	SF 24 Gauge, Galvanized Steel Flashing.....	7.56	1.41
	For Wrap Around Window Panning, Add	3.06	
07 62 00 00-0196	Galvanized Steel Drip Edge (07 62 00 00-0192)		
	Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0197	Galvanized Steel Drip Edge (07 62 00 00-0196)		
07 62 00 00-0198	26 Gauge, Galvanized Steel Drip Edge (07 62 00 00-0197)		
07 62 00 00-0199	LF Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	2.45	0.39
07 62 00 00-0200	LF >5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	3.02	0.39
07 62 00 00-0201	LF >7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	3.42	0.39
07 62 00 00-0202	LF >9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	4.11	0.39
07 62 00 00-0203	LF >12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	5.21	0.39
07 62 00 00-0204	24 Gauge, Galvanized Steel Drip Edge (07 62 00 00-0197)		
07 62 00 00-0205	LF Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	2.70	0.39
07 62 00 00-0206	LF >5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	3.35	0.39
07 62 00 00-0207	LF >7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	3.81	0.39
07 62 00 00-0208	LF >9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	4.61	0.39
07 62 00 00-0209	LF >12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	5.87	0.39
07 62 00 00-0210	KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 00 00-0196)		
07 62 00 00-0211	26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 00 00-0210)		
07 62 00 00-0212	LF Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	3.20	0.39
07 62 00 00-0213	LF >5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	4.02	0.39
07 62 00 00-0214	LF >7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	4.60	0.39
07 62 00 00-0215	LF >9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.60	0.39
07 62 00 00-0216	LF >12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.20	0.39
07 62 00 00-0217	24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 00 00-0210)		
07 62 00 00-0218	LF Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	3.56	0.39
07 62 00 00-0219	LF >5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	4.50	0.39
07 62 00 00-0220	LF >7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.18	0.39
07 62 00 00-0221	LF >9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	6.32	0.39
07 62 00 00-0222	LF >12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	8.17	0.39

07 63 Sheet Metal Roofing Specialties (07 60)

07 63 00 00-0001	Pitch Pockets (07 63)		
	Note: Cut into deck, filled with non-shrink grout, includes blocking.		
07 63 00 00-0002	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0003	EA 4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	36.77	
	For Pourable Sealer Filled, Add	24.54	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	12.27	
07 63 00 00-0004	EA 6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	42.82	
	For Pourable Sealer Filled, Add	55.22	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	27.63	
07 63 00 00-0005	EA 8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	50.00	
	For Pourable Sealer Filled, Add	98.16	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	48.98	
07 63 00 00-0006	EA 8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	53.53	
	For Pourable Sealer Filled, Add	122.70	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	61.40	
07 63 00 00-0007	EA 8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	56.88	
	For Pourable Sealer Filled, Add	147.23	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	73.62	
07 63 00 00-0008	SF 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	63.12	
	For Pourable Sealer Filled, Add	220.85	
	For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	110.18	
07 63 00 00-0009	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0010	EA		4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	62.99	
			<i>For Pourable Sealer Filled, Add</i>	24.54	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	12.27	
07 63 00 00-0011	EA		6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	73.00	
			<i>For Pourable Sealer Filled, Add</i>	55.22	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	27.63	
07 63 00 00-0012	EA		8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	85.65	
			<i>For Pourable Sealer Filled, Add</i>	98.16	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	48.98	
07 63 00 00-0013	EA		8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	92.01	
			<i>For Pourable Sealer Filled, Add</i>	122.70	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	61.40	
07 63 00 00-0014	EA		8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	97.10	
			<i>For Pourable Sealer Filled, Add</i>	147.23	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	73.62	
07 63 00 00-0015	SF		16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	106.27	
			<i>For Pourable Sealer Filled, Add</i>	220.85	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	110.18	
07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)					
07 63 00 00-0017	EA		4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	48.98	
			<i>For Pourable Sealer Filled, Add</i>	24.54	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	12.27	
07 63 00 00-0018	EA		6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	56.59	
			<i>For Pourable Sealer Filled, Add</i>	55.22	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	27.63	
07 63 00 00-0019	EA		8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	62.42	
			<i>For Pourable Sealer Filled, Add</i>	98.16	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	48.98	
07 63 00 00-0020	EA		8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	65.70	
			<i>For Pourable Sealer Filled, Add</i>	122.70	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	61.40	
07 63 00 00-0021	EA		8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	68.75	
			<i>For Pourable Sealer Filled, Add</i>	147.23	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	73.62	
07 63 00 00-0022	SF		24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	74.18	
			<i>For Pourable Sealer Filled, Add</i>	220.85	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	110.18	
07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout (07 63 00 00-0001)					
Note: Includes removing existing filler and refilling with non-shrink grout.					
07 63 00 00-0024	EA		Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	24.65	
			<i>For Pourable Sealer Filled, Add</i>	24.54	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	12.27	
07 63 00 00-0025	EA		Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	26.88	
			<i>For Pourable Sealer Filled, Add</i>	55.22	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	27.63	
07 63 00 00-0026	EA		Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	29.70	
			<i>For Pourable Sealer Filled, Add</i>	98.16	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	48.98	
07 63 00 00-0027	EA		Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout.....	31.62	
			<i>For Pourable Sealer Filled, Add</i>	122.70	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	61.40	
07 63 00 00-0028	EA		Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout.....	33.57	
			<i>For Pourable Sealer Filled, Add</i>	147.23	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	73.62	
07 63 00 00-0029	SF		Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout.....	37.82	
			<i>For Pourable Sealer Filled, Add</i>	220.85	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	110.18	
07 63 00 00-0030 Lead Pipe Flashing For Roofs (07 63)					
Note: Includes 6" skirt base.					
07 63 00 00-0031	EA		1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	52.75	11.88
07 63 00 00-0032	EA		1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	52.75	11.88
07 63 00 00-0033	EA		2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	69.01	11.88
07 63 00 00-0034	EA		3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	78.30	11.88
07 63 00 00-0035	EA		4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe.....	82.95	11.88
07 63 00 00-0036	EA		4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	85.27	11.88
07 63 00 00-0037	EA		6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	108.50	11.88
07 63 00 00-0038	EA		8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	118.95	11.88
07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing (07 63)					
07 63 00 00-0040	EA		2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	30.13	7.68
07 63 00 00-0041	EA		3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	30.69	7.68
07 63 00 00-0042	EA		4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	32.69	7.68
07 63 00 00-0043	EA		6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	42.72	7.68

07 65 Flexible Flashing (07 60)

07 65 16 Modified Bituminous Sheet Flashing (07 65)

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 65 Flexible Flashing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 65 16 00-0001		Liquid Flashing System For Modified And BUR Systems (07 65 16) See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.		
07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing.....	5.65	0.71
		Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.		

07 65 19 Plastic Sheet Flashing (07 65)

07 65 19 00-0001		Plastic Flashing And Trim (07 65 19)		
07 65 19 00-0002		Neoprene Flashing (07 65 19 00-0001)		
07 65 19 00-0003		60 Mil Neoprene Flashing (07 65 19 00-0002)		
07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	3.91	1.06
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	5.61	1.14
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	7.43	1.25
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	9.31	1.41

07 65 33 Plastic Flashing (07 65)

07 65 33 00-0001		Neoprene Roof Boot (07 65 33)		
07 65 33 00-0002	EA	Neoprene Roof Boot For 2" Diameter Pipe	17.18	3.25
07 65 33 00-0003	EA	Neoprene Roof Boot For 3" Diameter Pipe	20.41	3.64
07 65 33 00-0004	EA	Neoprene Roof Boot For 4" Diameter Pipe	22.84	3.92

07 70 Roof And Wall Specialties And Accessories (07)

Note: Includes placement of materials on roof up to 2-1/2 stories.

07 71 Roof Specialties (07 70)**07 71 13 Manufactured Copings** (07 71)

07 71 13 00-0001		Galvanized Steel Copings (07 71 13)		
07 71 13 00-0002		KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats (07 71 13 00-0001) Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	17.95	0.85
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	18.92	0.92
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	21.64	0.97
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	25.20	1.06
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	30.63	1.11
07 71 13 00-0008		Aluminum Copings (07 71 13)		
07 71 13 00-0009		Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009) Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0010		0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)		
07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	14.09	0.85
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.04	0.92
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	17.61	0.97
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	21.12	1.06
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	26.44	1.11
07 71 13 00-0016		0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)		
07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.36	0.85
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	16.39	0.92
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	19.22	0.97
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	23.05	1.06
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.90	1.11
07 71 13 00-0022		0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)		
07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	16.41	0.85
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	17.59	0.92
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	21.21	0.97
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	26.62	1.06
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	34.68	1.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 13 00-0028	KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small> Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.	
07 71 13 00-0029	0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>	
07 71 13 00-0030	LF 10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	19.80 0.85
07 71 13 00-0031	LF >14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	21.11 0.92
07 71 13 00-0032	LF >16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	24.82 0.97
07 71 13 00-0033	LF >22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	29.83 1.06
07 71 13 00-0034	LF >30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	37.51 1.11
07 71 13 00-0035	0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>	
07 71 13 00-0036	LF 10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	21.64 0.85
07 71 13 00-0037	LF >14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	23.07 0.92
07 71 13 00-0038	LF >16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	27.14 0.97
07 71 13 00-0039	LF >22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	32.64 1.06
07 71 13 00-0040	LF >30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	41.07 1.11
07 71 13 00-0041	0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>	
07 71 13 00-0042	LF 10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	23.15 0.85
07 71 13 00-0043	LF >14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	24.82 0.92
07 71 13 00-0044	LF >16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	30.03 0.97
07 71 13 00-0045	LF >22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	37.81 1.06
07 71 13 00-0046	LF >30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	49.45 1.11
07 71 13 00-0047	Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small> Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.	
07 71 13 00-0048	0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>	
07 71 13 00-0049	LF 10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	20.91 0.85
07 71 13 00-0050	LF >14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	22.29 0.92
07 71 13 00-0051	LF >16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	26.21 0.97
07 71 13 00-0052	LF >22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	31.51 1.06
07 71 13 00-0053	LF >30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	39.65 1.11
07 71 13 00-0054	0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>	
07 71 13 00-0055	LF 10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	22.85 0.85
07 71 13 00-0056	LF >14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	24.37 0.92
07 71 13 00-0057	LF >16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	28.67 0.97
07 71 13 00-0058	LF >22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	34.49 1.06
07 71 13 00-0059	LF >30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	43.43 1.11
07 71 13 00-0060	0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0061 LF 10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	24.46	0.85
07 71 13 00-0062 LF >14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	26.22	0.92
07 71 13 00-0063 LF >16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	31.73	0.97
07 71 13 00-0064 LF >22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	39.97	1.06
07 71 13 00-0065 LF >30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	52.30	1.11
07 71 13 00-0066 Remove And Reinstall Metal Coping (07 71 13)		
07 71 13 00-0067 LF Removal And Reinstallation Of Metal Coping	3.06	
07 71 19 Manufactured Gravel Stops And Fasciae (07 71)		
07 71 19 00-0001 Gravel Stop (07 71 19)		
07 71 19 00-0002 Aluminum Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0003 Aluminum Gravel Stop (07 71 19 00-0002)		
07 71 19 00-0004 KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0005 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0006 LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	9.80	0.71
07 71 19 00-0007 LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	9.92	0.73
07 71 19 00-0008 LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	10.07	0.76
07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0010 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	10.42	0.71
07 71 19 00-0011 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	10.56	0.73
07 71 19 00-0012 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	10.74	0.76
07 71 19 00-0013 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0014 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.22	0.71
07 71 19 00-0015 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.33	0.73
07 71 19 00-0016 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.60	0.76
07 71 19 00-0017 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0018 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.77	0.71
07 71 19 00-0019 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	11.90	0.73
07 71 19 00-0020 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.20	0.76
07 71 19 00-0021 Mill Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0022 0.032" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0023 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	6.37	0.71
07 71 19 00-0024 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	6.66	0.73
07 71 19 00-0025 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	6.98	0.76
07 71 19 00-0026 0.040" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0027 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	6.89	0.71
07 71 19 00-0028 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	7.11	0.73
07 71 19 00-0029 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	7.32	0.76
07 71 19 00-0030 0.050" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0031 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	7.40	0.71
07 71 19 00-0032 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	7.62	0.73
07 71 19 00-0033 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	7.88	0.76
07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0035 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	7.96	0.71
07 71 19 00-0036 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	8.14	0.73
07 71 19 00-0037 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	8.29	0.76
07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		
07 71 19 00-0040 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	11.70	0.71
07 71 19 00-0041 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	11.90	0.73
07 71 19 00-0042 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.08	0.76
07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0044 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.44	0.71
07 71 19 00-0045 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.67	0.73
07 71 19 00-0046 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.88	0.76
07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		
07 71 19 00-0048 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.40	0.71
07 71 19 00-0049 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.59	0.73
07 71 19 00-0050 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.74	0.76
07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		
07 71 19 00-0052 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.06	0.71
07 71 19 00-0053 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.27	0.73
07 71 19 00-0054 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.45	0.76
07 71 19 00-0055 Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0002) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056 KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0057 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0058 LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	11.85	1.18
07 71 19 00-0059 LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	12.34	1.21
07 71 19 00-0060 LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	12.96	1.25
07 71 19 00-0061 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0062 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	12.47	1.18
07 71 19 00-0063 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	12.98	1.21
07 71 19 00-0064 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.64	1.25
07 71 19 00-0065 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0066 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.27	1.18
07 71 19 00-0067 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.75	1.21
07 71 19 00-0068 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.49	1.25
07 71 19 00-0069 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0070 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.82	1.18
07 71 19 00-0071 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.32	1.21
07 71 19 00-0072 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	15.09	1.25
07 71 19 00-0073 Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0074 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0075 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	8.90	1.18
07 71 19 00-0076 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	9.26	1.21
07 71 19 00-0077 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	9.74	1.25
07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0079 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	9.33	1.18
07 71 19 00-0080 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	9.71	1.21
07 71 19 00-0081 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	10.21	1.25
07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0083 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	9.88	1.18
07 71 19 00-0084 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	10.24	1.21
07 71 19 00-0085 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	10.77	1.25



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0086			0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0087	LF		4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	10.26	1.18
07 71 19 00-0088	LF		>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	10.63	1.21
07 71 19 00-0089	LF		>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.18	1.25
07 71 19 00-0090			Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0091			0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0092	LF		4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	13.75	1.18
07 71 19 00-0093	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	14.32	1.21
07 71 19 00-0094	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	14.97	1.25
07 71 19 00-0095			0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0096	LF		4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	14.49	1.18
07 71 19 00-0097	LF		>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.10	1.21
07 71 19 00-0098	LF		>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.78	1.25
07 71 19 00-0099			0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0100	LF		4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.46	1.18
07 71 19 00-0101	LF		>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.02	1.21
07 71 19 00-0102	LF		>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.63	1.25
07 71 19 00-0103			0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0104	LF		4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.11	1.18
07 71 19 00-0105	LF		>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.70	1.21
07 71 19 00-0106	LF		>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.34	1.25
07 71 19 00-0107			Stainless Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0108			Stainless Steel Gravel Stop (07 71 19 00-0107)		
07 71 19 00-0109			26 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0110	LF		4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	7.79	0.71
07 71 19 00-0111	LF		>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	9.99	0.73
07 71 19 00-0112	LF		>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	14.64	0.76
07 71 19 00-0113			24 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0114	LF		4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	9.63	0.71
07 71 19 00-0115	LF		>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	12.46	0.73
07 71 19 00-0116	LF		>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	18.33	0.76
07 71 19 00-0117			22 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0118	LF		4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	11.60	0.71
07 71 19 00-0119	LF		>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	15.08	0.73
07 71 19 00-0120	LF		>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	22.26	0.76
07 71 19 00-0121			Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0107)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.					
07 71 19 00-0122			26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0123	LF		4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	9.98	1.18
07 71 19 00-0124	LF		>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	12.60	1.21
07 71 19 00-0125	LF		>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	17.76	1.25
07 71 19 00-0126			24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0127	LF		4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	11.83	1.18
07 71 19 00-0128	LF		>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	15.06	1.21
07 71 19 00-0129	LF		>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	21.46	1.25



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71	19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
	07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	13.79	1.18
	07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	17.68	1.21
	07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	25.39	1.25
07 71	19 00-0134		Galvanized Steel Gravel Stop (07 71 19 00-0001)		
07 71	19 00-0135		Galvanized Steel Gravel Stop (07 71 19 00-0134)		
07 71	19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0135)		
07 71	19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)		
	07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	8.75	0.71
	07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	8.85	0.73
	07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	9.03	0.76
07 71	19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0134) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71	19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0141)		
07 71	19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0142)		
	07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	10.80	1.18
	07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	11.27	1.21
	07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	11.93	1.25
07 71	19 00-0147		Copper Gravel Stop (07 71 19 00-0001)		
07 71	19 00-0148		Copper Gravel Stop (07 71 19 00-0147)		
07 71	19 00-0149		20 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
	07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop.....	37.95	0.71
	07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop.....	43.16	0.73
	07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop.....	49.77	0.76
07 71	19 00-0153		16 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
	07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop.....	46.61	0.71
	07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop.....	53.75	0.73
	07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop.....	61.32	0.76
07 71	19 00-0157		Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0147) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71	19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
	07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	40.14	1.18
	07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	45.77	1.21
	07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat.....	52.89	1.25
07 71	19 00-0162		16 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
	07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	48.81	1.18
	07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	56.36	1.21
	07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	64.45	1.25
07 71	19 00-0166		Fascia (07 71 19)		
07 71	19 00-0167		Snap-On Cover Fascia (07 71 19 00-0166) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71	19 00-0168		Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0167)		
07 71	19 00-0169		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0168)		
07 71	19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0169)		
	07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	11.24	0.98
	07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	12.60	1.02
	07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	13.48	1.06



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 19 00-0174			Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0169)</small>		
07 71 19 00-0175			Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0174)</small>		
07 71 19 00-0176	EA		Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	75.28	1.37
07 71 19 00-0177	EA		Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	80.36	1.37
07 71 19 00-0178	EA		Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	83.55	1.37
07 71 19 00-0179			Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0174)</small>		
07 71 19 00-0180	EA		Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	61.46	1.37
07 71 19 00-0181	EA		Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	64.03	1.37
07 71 19 00-0182	EA		Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	65.59	1.37
07 71 19 00-0183			Aluminum Snap-On Cover Fascia <small>(07 71 19 00-0167)</small>		
07 71 19 00-0184			KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>		
07 71 19 00-0185			0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>		
07 71 19 00-0186	LF		3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	12.27	0.98
07 71 19 00-0187	LF		>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	13.98	1.02
07 71 19 00-0188	LF		>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	14.86	1.06
07 71 19 00-0189			0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>		
07 71 19 00-0190	LF		3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	12.95	0.98
07 71 19 00-0191	LF		>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	14.85	1.02
07 71 19 00-0192	LF		>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	15.83	1.06
07 71 19 00-0193			Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0184)</small>		
07 71 19 00-0194			Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>		
07 71 19 00-0195	EA		Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	84.82	1.37
07 71 19 00-0196	EA		Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	92.11	1.37
07 71 19 00-0197	EA		Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	95.29	1.37
07 71 19 00-0198			Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>		
07 71 19 00-0199	EA		Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	66.85	1.37
07 71 19 00-0200	EA		Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	70.48	1.37
07 71 19 00-0201	EA		Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	72.07	1.37
07 71 19 00-0202			Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>		
07 71 19 00-0203			0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>		
07 71 19 00-0204	LF		3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	14.34	0.98
07 71 19 00-0205	LF		>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	16.37	1.02
07 71 19 00-0206	LF		>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	17.41	1.06
07 71 19 00-0207			0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>		
07 71 19 00-0208	LF		3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	15.15	0.98



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various fascia systems, gutters, and end caps with their respective costs.

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 71 Roof Specialties



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap.....	4.68	
		<i>For Kynar 500® Finish, Add</i>	1.71	
07 71 23 00-0028		Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap.....	5.63	
		<i>For Kynar 500® Finish, Add</i>	2.14	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap.....	6.17	
		<i>For Kynar 500® Finish, Add</i>	2.38	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap.....	7.36	
		<i>For Kynar 500® Finish, Add</i>	2.92	
07 71 23 00-0032		Aluminum Gutter Miters (07 71 23 00-0001)		
		Note: Inside or outside miters.		
07 71 23 00-0033		K-Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter.....	6.49	
		<i>For Kynar 500® Finish, Add</i>	2.23	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter.....	10.11	
		<i>For Kynar 500® Finish, Add</i>	3.86	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter.....	42.78	
		<i>For Kynar 500® Finish, Add</i>	18.56	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter.....	46.44	
		<i>For Kynar 500® Finish, Add</i>	20.21	
07 71 23 00-0038		Half Round, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter.....	15.58	
		<i>For Kynar 500® Finish, Add</i>	6.32	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter.....	27.39	
		<i>For Kynar 500® Finish, Add</i>	11.63	
07 71 23 00-0041		Box Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter.....	33.86	
		<i>For Kynar 500® Finish, Add</i>	14.54	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter.....	53.10	
		<i>For Kynar 500® Finish, Add</i>	23.20	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter.....	57.67	
		<i>For Kynar 500® Finish, Add</i>	25.26	
07 71 23 00-0045		Aluminum Gutter Wire Strainers (07 71 23 00-0001)		
07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer.....	7.38	1.10
		<i>For Kynar 500® Finish, Add</i>	2.29	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer.....	11.66	1.10
		<i>For Kynar 500® Finish, Add</i>	4.21	
07 71 23 00-0048		Aluminum Downspouts (07 71 23 00-0001)		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049		Round Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0050	LF	3" Diameter, Round Aluminum Downspout.....	3.61	1.05
		<i>For Kynar 500® Finish, Add</i>	1.11	
07 71 23 00-0051	LF	4" Diameter, Round Aluminum Downspout.....	4.19	1.05
		<i>For Kynar 500® Finish, Add</i>	1.37	
07 71 23 00-0052		Rectangular Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0053	LF	2" x 3", Rectangular Aluminum Downspout.....	2.41	1.05
		<i>For Kynar 500® Finish, Add</i>	0.57	
07 71 23 00-0054	LF	3" x 4", Rectangular Aluminum Downspout.....	3.14	1.05
		<i>For Kynar 500® Finish, Add</i>	0.90	
07 71 23 00-0055	LF	4" x 5", Rectangular Aluminum Downspout.....	6.24	1.05
		<i>For Kynar 500® Finish, Add</i>	2.30	
07 71 23 00-0056		Aluminum Devices (07 71 23 00-0001)		
07 71 23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet.....	77.17	8.81
		<i>For Kynar 500® Finish, Add</i>	21.51	
07 71 23 00-0058	EA	Aluminum Leader/Conductor Head.....	127.02	9.79
		<i>For Kynar 500® Finish, Add</i>	48.34	
07 71 23 00-0059		Copper Gutters And Downspouts (07 71 23)		
07 71 23 00-0060		Copper Gutters (07 71 23 00-0059)		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061		K-Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter.....	11.61	1.10
07 71 23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter.....	17.71	1.10
07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter.....	21.61	1.10
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter.....	23.41	1.10



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 07 71 23 00-0066 LF 6", 20 Ounce, K-Style Copper Gutter, 07 71 23 00-0070 LF 5", 16 Ounce, Half Round Copper Gutter, etc.

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 71 Roof Specialties



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 23 00-0127	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	14.25	1.05
07 71 23 00-0128	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	18.36	1.05
07 71 23 00-0129	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	26.65	1.05
07 71 23 00-0130	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	16.81	1.05
07 71 23 00-0131	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	21.90	1.05
07 71 23 00-0132	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	31.99	1.05
07 71 23 00-0133		Copper Devices And Accessories (07 71 23 00-0059)		
07 71 23 00-0134	EA	Thru-Wall Copper Scupper Outlet.....	139.18	8.81
07 71 23 00-0135	EA	Copper Leader/Conductor Head	228.62	9.79
07 71 23 00-0136	EA	Copper Eave Box.....	98.61	6.61
07 71 23 00-0137		Galvanized Steel Gutters And Downspouts (07 71 23)		
07 71 23 00-0138		Galvanized Steel Gutters (07 71 23 00-0137)		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0139		K-Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0140	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	4.73	1.10
		For Kynar 500® Finish, Add	1.30	
07 71 23 00-0141	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	5.61	1.10
		For Kynar 500® Finish, Add	1.70	
07 71 23 00-0142	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	13.43	1.10
		For Kynar 500® Finish, Add	5.22	
07 71 23 00-0143	LF	8", 24 Gauge, K-Style Galvanized Steel Gutter	13.87	1.10
		For Kynar 500® Finish, Add	5.41	
07 71 23 00-0144		Half Round Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0145	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	7.71	1.10
		For Kynar 500® Finish, Add	2.64	
07 71 23 00-0146	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	10.00	1.10
		For Kynar 500® Finish, Add	3.67	
07 71 23 00-0147	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	27.82	1.10
		For Kynar 500® Finish, Add	11.69	
07 71 23 00-0148	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	29.42	1.10
		For Kynar 500® Finish, Add	12.41	
07 71 23 00-0149		Box Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0150	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	9.04	1.10
		For Kynar 500® Finish, Add	3.24	
		For 22 Gauge, Add	1.08	
07 71 23 00-0151	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	10.65	1.10
		For Kynar 500® Finish, Add	3.96	
		For 22 Gauge, Add	1.32	
07 71 23 00-0152	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	14.58	1.10
		For Kynar 500® Finish, Add	5.73	
		For 22 Gauge, Add	1.91	
07 71 23 00-0153	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	15.67	1.10
		For Kynar 500® Finish, Add	6.22	
		For 22 Gauge, Add	2.07	
07 71 23 00-0154		Galvanized Steel Gutter End Caps (07 71 23 00-0137)		
07 71 23 00-0155		K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0156	EA	5", K-Style Galvanized Steel Gutter End Cap	2.61	
		For Kynar 500® Finish, Add	0.78	
07 71 23 00-0157	EA	6", K-Style Galvanized Steel Gutter End Cap	3.06	
		For Kynar 500® Finish, Add	0.98	
07 71 23 00-0158	EA	7", K-Style Galvanized Steel Gutter End Cap	7.10	
		For Kynar 500® Finish, Add	2.80	
07 71 23 00-0159	EA	8", K-Style Galvanized Steel Gutter End Cap	10.47	
		For Kynar 500® Finish, Add	4.32	
07 71 23 00-0160		Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0161	EA	5", Half Round Galvanized Steel Gutter End Cap	3.46	
		For Kynar 500® Finish, Add	1.16	
07 71 23 00-0162	EA	6", Half Round Galvanized Steel Gutter End Cap	4.05	
		For Kynar 500® Finish, Add	1.43	
07 71 23 00-0163	EA	7", Half Round Galvanized Steel Gutter End Cap	7.87	
		For Kynar 500® Finish, Add	3.15	
07 71 23 00-0164	EA	8", Half Round Galvanized Steel Gutter End Cap	10.78	
		For Kynar 500® Finish, Add	4.46	
07 71 23 00-0165		Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0166	EA	5", Box Style Galvanized Steel Gutter End Cap	6.52	
		For Kynar 500® Finish, Add	2.54	
07 71 23 00-0167	EA	6", Box Style Galvanized Steel Gutter End Cap	7.93	
		For Kynar 500® Finish, Add	3.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0168 EA 7", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	8.93 3.62	
07 71 23 00-0169 EA 8", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	12.10 5.05	
07 71 23 00-0170 Galvanized Steel Gutter Miters (07 71 23 00-0137) Note: Inside or outside miters.		
07 71 23 00-0171 K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0172 EA 5", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	13.26 5.27	
07 71 23 00-0173 EA 6", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	23.96 10.09	
07 71 23 00-0174 EA 7", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	40.96 17.74	
07 71 23 00-0175 EA 8", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	46.24 20.12	
07 71 23 00-0176 Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0177 EA 5", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	19.88 8.25	
07 71 23 00-0178 EA 6", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	22.49 9.43	
07 71 23 00-0179 EA 7", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	72.79 32.06	
07 71 23 00-0180 EA 8", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	76.75 33.84	
07 71 23 00-0181 Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0182 EA 5", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	18.55 7.65	
07 71 23 00-0183 EA 6", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	32.72 14.03	
07 71 23 00-0184 EA 7", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	43.60 18.93	
07 71 23 00-0185 EA 8", Box Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	46.24 20.12	
07 71 23 00-0186 Galvanized Steel Gutter Wire Strainers (07 71 23 00-0137)		
07 71 23 00-0187 EA 3" Diameter, Round Galvanized Steel Wire Strainer <i>For Kynar 500® Finish, Add</i>	6.34 1.82	1.10
07 71 23 00-0188 EA 4" Diameter, Round Galvanized Steel Wire Strainer <i>For Kynar 500® Finish, Add</i>	9.79 3.37	1.10
07 71 23 00-0189 Galvanized Steel Downspouts (07 71 23 00-0137) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0190 Round Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71 23 00-0191 LF 3" Diameter, 26 Gauge, Round Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	3.25 0.95	1.05
07 71 23 00-0192 LF 4" Diameter, 26 Gauge, Round Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	4.15 1.35	1.05
07 71 23 00-0193 LF 5" Diameter, 26 Gauge, Round Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	5.82 2.11	1.05
07 71 23 00-0194 LF 6" Diameter, 26 Gauge, Round Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	13.51 5.57	1.05
07 71 23 00-0195 Square Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71 23 00-0196 LF 4" x 4", 26 Gauge, Square Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	3.75 1.17	1.05
07 71 23 00-0197 LF 5" x 5", 26 Gauge, Square Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	4.94 1.71	1.05
07 71 23 00-0198 Rectangular Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71 23 00-0199 LF 2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	3.32 0.98	1.05
07 71 23 00-0200 LF 3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	4.36 1.45	1.05
07 71 23 00-0201 LF 4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	8.49 3.31	1.05
07 71 23 00-0202 Galvanized Steel Devices (07 71 23 00-0137)		
07 71 23 00-0203 EA Galvanized Steel Leader/Conductor Head <i>For Kynar 500® Finish, Add</i>	154.20 60.57	9.79
07 71 23 00-0204 EA Thru-Wall Galvanized Steel Scupper Outlet <i>For Kynar 500® Finish, Add</i>	79.34 22.48	8.81



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 23 00-0205			Stainless Steel Gutters And Downspouts (07 71 23) Note: AISI type 304 stainless steel.		
07 71 23 00-0206			Stainless Steel Gutters (07 71 23 00-0205) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0207			K-Style Stainless Steel Gutters (07 71 23 00-0206)		
07 71 23 00-0208	LF		5", 0.018" Thick, K-Style Stainless Steel Gutter.....	14.77	1.10
07 71 23 00-0209	LF		6", 0.018" Thick, K-Style Stainless Steel Gutter.....	18.01	1.10
07 71 23 00-0210			Half Round Stainless Steel Gutters (07 71 23 00-0206)		
07 71 23 00-0211	LF		5", 0.018" Thick, Half Round Stainless Steel Gutter	21.42	1.10
07 71 23 00-0212	LF		6", 0.018" Thick, Half Round Stainless Steel Gutter	26.28	1.10
07 71 23 00-0213			Stainless Steel Gutter End Caps (07 71 23 00-0205)		
07 71 23 00-0214			K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0213)		
07 71 23 00-0215	EA		5", K-Style Stainless Steel Gutter End Cap.....	4.93	
07 71 23 00-0216	EA		6", K-Style Stainless Steel Gutter End Cap.....	5.73	
07 71 23 00-0217			Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0213)		
07 71 23 00-0218	EA		5", Half Round Stainless Steel Gutter End Cap	5.94	
07 71 23 00-0219	EA		6", Half Round Stainless Steel Gutter End Cap	6.95	
07 71 23 00-0220			Stainless Steel Gutter Miters (07 71 23 00-0205) Note: Inside or outside box miters.		
07 71 23 00-0221			K-Style, Stainless Steel Gutter Miters (07 71 23 00-0220)		
07 71 23 00-0222	EA		5", K-Style Stainless Steel Gutter Miter.....	22.44	
07 71 23 00-0223	EA		6", K-Style Stainless Steel Gutter Miter.....	38.62	
07 71 23 00-0224			Half Round, Stainless Steel Gutter Miters (07 71 23 00-0220)		
07 71 23 00-0225	EA		5", Half Round Stainless Steel Gutter Miter	62.90	
07 71 23 00-0226	EA		6", Half Round Stainless Steel Gutter Miter	77.70	
07 71 23 00-0227			Stainless Steel Gutter Wire Strainers (07 71 23 00-0205)		
07 71 23 00-0228	EA		3" Diameter, Round Stainless Steel Wire Strainer.....	24.05	1.10
07 71 23 00-0229	EA		4" Diameter, Round Stainless Steel Wire Strainer	24.65	1.10
07 71 23 00-0230			Stainless Steel Downspouts (07 71 23 00-0205) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0231			Round Stainless Steel Downspouts (07 71 23 00-0230)		
07 71 23 00-0232	LF		3" Diameter, 0.018" Thick, Round Stainless Steel Downspout	15.04	1.05
07 71 23 00-0233	LF		4" Diameter, 0.018" Thick, Round Stainless Steel Downspout	27.67	1.05
07 71 23 00-0234	LF		5" Diameter, 0.018" Thick, Round Stainless Steel Downspout	43.12	1.05
07 71 23 00-0235			Rectangular Stainless Steel Downspouts (07 71 23 00-0230)		
07 71 23 00-0236	LF		2" x 3", 0.018" Thick, Rectangular Stainless Steel Downspout.....	9.74	1.05
07 71 23 00-0237	LF		3" x 4", 0.018" Thick, Rectangular Stainless Steel Downspout	13.22	1.05
07 71 23 00-0238	LF		4" x 5", 0.018" Thick, Rectangular Stainless Steel Downspout.....	33.76	1.05
07 71 23 00-0239			Stainless Steel Devices (07 71 23 00-0205)		
07 71 23 00-0240	EA		Thru-Wall Stainless Steel Scupper Outlet.....	161.90	9.91
07 71 23 00-0241	EA		Stainless Steel Leader/Conductor Head	210.48	9.91
07 71 23 00-0242			Vinyl Gutters And Downspouts (07 71 23)		
07 71 23 00-0243			Vinyl Gutters (07 71 23 00-0242) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0244			K-Style Vinyl Gutters (07 71 23 00-0243)		
07 71 23 00-0245	LF		4", K-Style Vinyl Gutter	5.49	1.10
07 71 23 00-0246	LF		5", K-Style Vinyl Gutter	7.38	1.10
07 71 23 00-0247			Half Round Vinyl Gutters (07 71 23 00-0243)		
07 71 23 00-0248	LF		4", Half Round Vinyl Gutter.....	5.71	1.10
07 71 23 00-0249	LF		5", Half Round Vinyl Gutter.....	6.05	1.10
07 71 23 00-0250			Vinyl Gutter End Caps (07 71 23 00-0242)		
07 71 23 00-0251			K-Style, Vinyl Gutter End Caps (07 71 23 00-0250)		
07 71 23 00-0252	EA		4", K-Style Vinyl Gutter End Cap	3.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0253 EA 5", K-Style Vinyl Gutter End Cap	5.09	
07 71 23 00-0254 Half Round, Vinyl Gutter End Caps (07 71 23 00-0250)		
07 71 23 00-0255 EA 4", Half Round Vinyl Gutter End Cap	4.11	
07 71 23 00-0256 EA 5", Half Round Vinyl Gutter End Cap	3.85	
07 71 23 00-0257 Vinyl Gutter Miters (07 71 23 00-0242) Note: Inside or outside miters.		
07 71 23 00-0258 K-Style, Vinyl Gutter Miters (07 71 23 00-0257)		
07 71 23 00-0259 EA 4", K-Style Vinyl Gutter Miter	9.16	
07 71 23 00-0260 EA 5", K-Style Vinyl Gutter Miter	14.20	
07 71 23 00-0261 Half Round, Vinyl Gutter Miters (07 71 23 00-0257)		
07 71 23 00-0262 EA 4", Half Round Vinyl Gutter Miter	9.16	
07 71 23 00-0263 EA 5", Half Round Vinyl Gutter Miter	10.03	
07 71 23 00-0264 Vinyl Downspouts (07 71 23 00-0242) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0265 Round Vinyl Downspouts (07 71 23 00-0264)		
07 71 23 00-0266 LF 2-1/2" Diameter, Round Vinyl Downspout.....	3.63	1.05
07 71 23 00-0267 LF 3" Diameter, Round Vinyl Downspout.....	3.82	1.05
07 71 23 00-0268 Square Vinyl Downspouts (07 71 23 00-0264)		
07 71 23 00-0269 LF 2-1/2", Square Vinyl Downspout.....	3.56	1.05
07 71 23 00-0270 Rectangular Vinyl Downspouts (07 71 23 00-0264)		
07 71 23 00-0271 LF 2" x 3", Rectangular Vinyl Downspout	4.74	1.05
07 71 23 00-0272 Gutter And Downspout Boots (07 71 23)		
07 71 23 00-0273 Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0272)		
07 71 23 00-0274 EA 2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	184.15	1.59
07 71 23 00-0275 EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	240.46	1.59
07 71 23 00-0276 EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	287.28	1.59
07 71 23 00-0277 Cast Iron Roof Drainage Downspout Boots With Cleanouts (07 71 23 00-0272)		
07 71 23 00-0278 EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	319.48	1.59
07 71 23 00-0279 EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	390.60	1.59
07 71 23 00-0280 EA 5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	710.01	1.59
07 71 23 00-0281 Wall Mounted Downspout Covers With Hinged Perforated Cover (07 71 23)		
07 71 23 00-0282 EA 3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03).....	629.69	11.24
For Polished Brass Finish (-PB), Add	60.72	
For Chrome Plated Finish (-CP), Add	91.08	
For Vandal Proof (-U), Add	30.36	
07 71 23 00-0283 EA 4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04).....	637.18	14.98
For Polished Brass Finish (-PB), Add	60.72	
For Chrome Plated Finish (-CP), Add	91.08	
For Vandal Proof (-U), Add	30.36	
07 71 23 00-0284 EA 6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	678.21	18.45
For Polished Brass Finish (-PB), Add	64.13	
For Chrome Plated Finish (-CP), Add	96.20	
For Vandal Proof (-U), Add	32.07	
07 71 23 00-0285 EA 8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	718.76	23.29
For Polished Brass Finish (-PB), Add	67.22	
For Chrome Plated Finish (-CP), Add	100.83	
For Vandal Proof (-U), Add	33.61	
07 71 23 00-0286 EA 10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	768.66	28.70
For Polished Brass Finish (-PB), Add	71.13	
For Chrome Plated Finish (-CP), Add	106.69	
For Vandal Proof (-U), Add	35.56	
07 71 23 00-0287 EA 12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	834.59	40.06
For Polished Brass Finish (-PB), Add	75.45	
For Chrome Plated Finish (-CP), Add	113.17	
For Vandal Proof (-U), Add	37.72	
07 71 23 00-0288 EA 15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	908.51	55.71
For Polished Brass Finish (-PB), Add	79.71	
For Chrome Plated Finish (-CP), Add	119.56	
For Vandal Proof (-U), Add	39.85	
07 71 23 00-0289 Wall Mounted Downspout Nozzle (07 71 23)		

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 71 Roof Specialties



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 23 00-0290	EA	3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03)	153.55	11.24
		For Nickel Bronze Finish (-NB), Add	91.76	
		For Polished Bronze Finish (-PB), Add	72.09	
		For Chrome Plated Finish (-CP), Add	116.66	
07 71 23 00-0291	EA	4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04)	161.04	14.98
		For Nickel Bronze Finish (-NB), Add	91.76	
		For Polished Bronze Finish (-PB), Add	72.09	
		For Chrome Plated Finish (-CP), Add	116.66	
07 71 23 00-0292	EA	6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06)	347.86	18.45
		For Nickel Bronze Finish (-NB), Add	93.29	
		For Polished Bronze Finish (-PB), Add	52.86	
		For Chrome Plated Finish (-CP), Add	136.82	
07 71 23 00-0293	EA	8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	518.60	23.29
		For Nickel Bronze Finish (-NB), Add	80.24	
		For Polished Bronze Finish (-PB), Add	61.36	
		For Chrome Plated Finish (-CP), Add	136.89	
07 71 23 00-0294	EA	10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	670.20	28.70
		For Nickel Bronze Finish (-NB), Add	104.18	
		For Polished Bronze Finish (-PB), Add	79.67	
		For Chrome Plated Finish (-CP), Add	177.71	
07 71 23 00-0295	EA	12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	851.05	40.06
		For Nickel Bronze Finish (-NB), Add	131.06	
		For Polished Bronze Finish (-PB), Add	100.22	
		For Chrome Plated Finish (-CP), Add	223.57	
07 71 23 00-0296		Leaf Guards And Cleaning (07 71 23)		
07 71 23 00-0297	LF	Aluminum Mesh Gutter Leaf Guard	1.20	0.31
07 71 23 00-0298	LF	Vinyl Mesh Gutter Leaf Guard	1.28	0.31
07 71 23 00-0299	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	11.15	0.38
07 71 23 00-0300	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	16.35	0.38
07 71 23 00-0301	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	8.47	0.38
07 71 23 00-0302	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.45	0.38
07 71 23 00-0303	EA	Cleanout Roof Drain	63.71	
		Note: Includes removing dome and flushing.		
07 71 23 00-0304	LF	Clean Gutters And Downspouts	0.61	
07 71 26		Reglets (07 71)		
07 71 26 00-0001		Counter Flashing With Reglet (07 71 26) Note: Includes reglet cut.		
07 71 26 00-0002		Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003		Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	6.32	1.74
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	6.40	1.74
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	6.54	1.74
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	7.05	1.74
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	7.34	1.74
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	7.68	1.74
07 71 26 00-0010		KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	7.60	1.74
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	7.71	1.74
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	7.91	1.74
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	8.65	1.74
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	9.08	1.74
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	9.56	1.74
07 71 26 00-0017		Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018		KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	7.31	1.74
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	7.91	1.74
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	8.52	1.74
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	8.95	1.74
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	9.92	1.74
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	11.33	1.74
07 71 26 00-0025		Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	5.93	1.74
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	6.31	1.74
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	6.70	1.74
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	6.98	1.74
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	7.60	1.74
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	8.50	1.74
07 71 26 00-0032		Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	7.03	1.74
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	7.59	1.74



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 07 71 26 00-0035 LF 0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet and 07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs.

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0014	EA 38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	247.53	33.34
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.42	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	46.17	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.95	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	61.31	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	75.22	
07 72 13 00-0015	EA 38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	333.04	37.05
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.60	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.90	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.84	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	69.55	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.95	
07 72 13 00-0016	EA 38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	362.93	40.76
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.22	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.51	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.73	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.00	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	106.68	
07 72 13 00-0017	EA 50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	277.49	33.34
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.41	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	52.16	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.67	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.75	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	67.52	
07 72 13 00-0018	EA 50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	298.80	37.05
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.18	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	56.06	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.43	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.30	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	75.70	
07 72 13 00-0019	EA 50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	310.57	37.05
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.35	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	58.41	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.36	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	49.81	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.19	
07 72 13 00-0020	EA 50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	340.46	40.76
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.97	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	64.02	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.44	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	62.60	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.84	
07 72 13 00-0021	EA 51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	360.71	44.47
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.62	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	67.70	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	16.53	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	76.45	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	103.20	
07 72 13 00-0022	EA 51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	389.52	48.17
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.14	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.09	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.90	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	87.31	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.69	
07 72 13 00-0023	EA 62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	310.57	37.05
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.35	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	58.41	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.16	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.47	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	89.13	
07 72 13 00-0024	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	328.69	40.76
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.79	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	61.66	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.09	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.52	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.69	
07 72 13 00-0025	EA 62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	359.64	44.47
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.52	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	67.48	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.58	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	72.01	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	103.04	
07 72 13 00-0026	EA 62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	370.34	44.47
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.59	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	69.62	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.58	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	72.01	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.51	
07 72 13 00-0027	EA 62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	401.29	48.17
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.31	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	75.44	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.72	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.22	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	146.70	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof
Curbs (07 72 13 00-0003)



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains multiple rows of material specifications and costs.



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	326.62	37.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.96	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	61.62	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.36	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	49.81	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.19	
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	357.58	40.76
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.68	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	67.44	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.44	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	62.60	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.84	
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	381.04	44.47
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.66	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.76	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	16.53	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	76.45	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	103.20	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	413.06	48.17
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.49	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	77.80	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.90	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	87.31	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.69	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	326.62	37.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.96	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	61.62	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.16	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.47	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	89.13	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	345.81	40.76
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.51	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.09	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.09	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.52	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.69	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	377.83	44.47
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.34	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.12	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	72.01	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	103.04	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	391.74	44.47
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.73	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.90	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	72.01	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.51	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	424.83	48.17
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.67	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	80.15	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.72	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.22	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	146.70	

07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof

Curbs (07 72 13 00-0003)

07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	231.56	29.65
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.19	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	43.35	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.53	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	26.00	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.77	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	234.77	29.65
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.51	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	43.99	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.33	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	34.29	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.99	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	243.25	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.99	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	45.32	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.30	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	42.75	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	50.24	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	274.28	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.09	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	51.52	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.06	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.21	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	62.70	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various roof accessories like '26" x 98" Outside Frame Dimensions', '38" x 74" Outside Frame Dimensions', etc.

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	337.32	37.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.03	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.76	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.16	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.47	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	89.13	
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	357.58	40.76
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.68	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	67.44	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.09	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.52	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.69	
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	391.74	44.47
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.73	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.90	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	72.01	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	103.04	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	405.65	44.47
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.12	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	76.68	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	72.01	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.51	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	440.88	48.17
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.27	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	83.36	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	24.72	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.22	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	146.70	
07 72 13 00-0076		14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0077		9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	198.39	29.65
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	16.87	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	36.71	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.53	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	26.00	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.77	
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	212.30	29.65
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.27	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	39.50	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.33	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	34.29	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.99	
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	246.46	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.31	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	45.96	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.30	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	42.75	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	50.24	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	278.56	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.52	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	52.38	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.06	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.21	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	62.70	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	302.10	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.88	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.09	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.79	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	62.22	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	68.64	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	395.10	37.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.81	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	75.32	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.72	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	59.87	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.20	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	237.98	29.65
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.83	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	44.63	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.62	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.42	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	67.68	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	255.02	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.17	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	47.67	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.74	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.68	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	69.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72	13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	265.72 23.24 49.81 8.35 55.43 70.41	33.34
07 72	13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	275.35 24.20 51.74 9.95 61.31 75.22	33.34
07 72	13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	369.42 33.24 70.18 12.84 69.55 90.95	37.05
07 72	13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	405.73 36.50 77.07 15.73 81.00 106.68	40.76
07 72	13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	303.17 26.98 57.30 8.67 55.75 67.52	33.34
07 72	13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	325.55 28.85 61.41 10.43 54.30 75.70	37.05
07 72	13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	342.67 30.56 64.83 12.36 49.81 86.19	37.05
07 72	13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	376.84 33.61 71.29 14.44 62.60 96.84	40.76
07 72	13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	400.30 35.58 75.61 16.53 76.45 103.20	44.47
07 72	13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	435.53 38.74 82.29 19.90 87.31 123.69	48.17
07 72	13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	342.67 30.56 64.83 13.16 48.47 89.13	37.05
07 72	13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	362.93 32.22 68.51 15.09 67.52 100.69	40.76
07 72	13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	398.16 35.37 75.19 19.58 72.01 103.04	44.47
07 72	13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	413.14 36.87 78.18 19.58 72.01 125.51	44.47
07 72	13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	449.44 40.13 85.07 24.72 78.22 146.70	48.17



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0101	12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>		
07 72 13 00-0102	EA 26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	208.02	29.65
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	17.84	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	38.64	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.53	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	26.00	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.77	
07 72 13 00-0103	EA 26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	224.07	29.65
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.44	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	41.85	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.33	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	34.29	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.99	
07 72 13 00-0104	EA 26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	262.51	33.34
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.92	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.17	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.30	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	42.75	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	50.24	
07 72 13 00-0105	EA 26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	297.82	33.34
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.45	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	56.23	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.06	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.21	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	62.70	
07 72 13 00-0106	EA 26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	326.71	33.34
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.34	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.01	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.79	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	62.22	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	68.64	
07 72 13 00-0107	EA 26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	399.38	37.05
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.23	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	76.17	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.72	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	59.87	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.20	
07 72 13 00-0108	EA 38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	251.89	29.65
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.22	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	47.41	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.62	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.42	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	67.68	
07 72 13 00-0109	EA 38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	272.14	33.34
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.88	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	51.09	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.74	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.68	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	69.87	
07 72 13 00-0110	EA 38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	286.05	33.34
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.27	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	53.88	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.35	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.43	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.41	
07 72 13 00-0111	EA 38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	298.89	33.34
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.55	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	56.44	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.95	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	61.31	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	75.22	
07 72 13 00-0112	EA 38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	395.10	37.05
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.81	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	75.32	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.84	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	69.55	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.95	
07 72 13 00-0113	EA 38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	436.76	40.76
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.60	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	83.28	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.73	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.00	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	106.68	
07 72 13 00-0114	EA 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	322.43	33.34
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.91	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	61.15	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.67	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.75	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	67.52	
07 72 13 00-0115	EA 50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	346.95	37.05
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.99	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.69	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.43	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.30	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	75.70	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains multiple rows of material specifications and costs for roof accessories.



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	342.76	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.94	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.79	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	62.22	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	68.64	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	433.62	37.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.66	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	83.02	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.72	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	59.87	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.20	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	262.59	29.65
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.29	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.55	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.62	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.42	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	67.68	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	290.33	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.70	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	54.73	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.74	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.68	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	69.87	
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	309.59	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.62	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	58.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.35	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.43	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.41	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	313.87	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.05	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.44	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.95	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	61.31	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	75.22	
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	414.36	37.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.73	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	79.17	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.84	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	69.55	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.95	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	458.16	40.76
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.74	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	87.56	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.73	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.00	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	106.68	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	335.27	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.19	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.72	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.67	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.75	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	67.52	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	360.86	37.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.38	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.47	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.43	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.30	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	75.70	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	383.33	37.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.63	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	72.96	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.36	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	49.81	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.19	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	421.78	40.76
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.10	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	80.28	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.44	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	62.60	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.84	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	449.52	44.47
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.51	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	85.46	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	16.53	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	76.45	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	103.20	
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	493.31	48.17
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.51	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	93.85	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.90	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	87.31	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.69	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like '62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb' and 'Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs'.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72	13 00-0163		18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0149)		
	07 72 13 00-0164	EA	17'-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	604.99	29.65
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	57.53	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	118.03	
	07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	728.68	29.65
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	69.90	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	142.77	
	07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	882.98	33.34
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	84.96	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	173.26	
07 72	13 00-0167		Wood, Prefabricated Roof Curbs (07 72 13)		
			Note: Includes Douglas fir construction, galvanized steel corner straps and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72	13 00-0168		Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72	13 00-0169		2 x 6 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
	07 72 13 00-0170	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	145.96	29.65
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	11.63	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	26.23	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.53	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	26.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.77	
	07 72 13 00-0171	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	159.79	33.34
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	12.64	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	28.62	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	42.75	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	50.24	
	07 72 13 00-0172	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	187.61	33.34
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	15.43	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	34.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	62.22	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	68.64	
	07 72 13 00-0173	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	184.40	33.34
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	15.11	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	33.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.35	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.43	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.41	
	07 72 13 00-0174	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	191.89	33.34
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	15.85	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	35.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.95	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	61.31	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	75.22	
	07 72 13 00-0175	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	217.48	37.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.04	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	39.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	69.55	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.95	
	07 72 13 00-0176	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	189.75	33.34
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	15.64	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	34.62	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.67	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.75	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	67.52	
	07 72 13 00-0177	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	227.11	37.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.01	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	41.72	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.36	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	49.81	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.19	
	07 72 13 00-0178	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	241.94	44.47
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.75	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	43.94	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	16.53	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	76.45	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	103.20	
	07 72 13 00-0179	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	207.85	37.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	17.08	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	37.87	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.16	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.47	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	89.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0180	EA		62'-3/8" x 74'-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	228.11 18.74 41.55 15.09 67.52 100.69	40.76
07 72 13 00-0181	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	263.34 21.89 48.22 19.58 72.01 125.51	44.47
07 72 13 00-0182			2 x 8 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0183	EA		26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	152.38 12.27 27.51 3.53 26.00 37.77	29.65
07 72 13 00-0184	EA		26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	167.28 13.39 30.12 5.30 42.75 50.24	33.34
07 72 13 00-0185	EA		26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	207.94 17.46 38.25 9.79 62.22 68.64	33.34
07 72 13 00-0186	EA		38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	197.24 16.39 36.11 8.35 55.43 70.41	33.34
07 72 13 00-0187	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	207.94 17.46 38.25 9.95 61.31 75.22	33.34
07 72 13 00-0188	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	233.53 19.65 43.00 12.84 69.55 90.95	37.05
07 72 13 00-0189	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	201.52 16.82 36.97 8.67 55.75 67.52	33.34
07 72 13 00-0190	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	242.09 20.50 44.71 12.36 49.81 86.19	37.05
07 72 13 00-0191	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	256.92 21.25 46.94 16.53 76.45 103.20	44.47
07 72 13 00-0192	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	219.62 18.26 40.22 13.16 48.47 89.13	37.05
07 72 13 00-0193	EA		62'-3/8" x 74'-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	242.02 20.13 44.33 15.09 67.52 100.69	40.76
07 72 13 00-0194	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	278.32 23.39 51.22 19.58 72.01 125.51	44.47
07 72 13 00-0195			2 x 10 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0196	EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	156.66	29.65
	For Sloped Roofs Up To 1 In 12 Pitch, Add	12.70	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	28.37	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.53	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	26.00	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	37.77	
07 72 13 00-0197	EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	174.77	33.34
	For Sloped Roofs Up To 1 In 12 Pitch, Add	14.14	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	31.62	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	5.30	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	42.75	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	50.24	
07 72 13 00-0198	EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	210.08	33.34
	For Sloped Roofs Up To 1 In 12 Pitch, Add	17.67	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	38.68	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.79	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	62.22	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	68.64	
07 72 13 00-0199	EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	204.73	33.34
	For Sloped Roofs Up To 1 In 12 Pitch, Add	17.14	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	37.61	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.35	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	55.43	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.41	
07 72 13 00-0200	EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	217.57	33.34
	For Sloped Roofs Up To 1 In 12 Pitch, Add	18.42	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	40.18	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.95	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	61.31	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	75.22	
07 72 13 00-0201	EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	244.23	37.05
	For Sloped Roofs Up To 1 In 12 Pitch, Add	20.72	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	45.14	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.84	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	69.55	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	90.95	
07 72 13 00-0202	EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	209.01	33.34
	For Sloped Roofs Up To 1 In 12 Pitch, Add	17.57	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	38.47	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.67	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	55.75	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	67.52	
07 72 13 00-0203	EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	251.72	37.05
	For Sloped Roofs Up To 1 In 12 Pitch, Add	21.47	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	46.64	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.36	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	49.81	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	86.19	
07 72 13 00-0204	EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	266.55	44.47
	For Sloped Roofs Up To 1 In 12 Pitch, Add	22.21	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	48.86	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	16.53	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	76.45	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	103.20	
07 72 13 00-0205	EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	227.11	37.05
	For Sloped Roofs Up To 1 In 12 Pitch, Add	19.01	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	41.72	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.16	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	48.47	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	89.13	
07 72 13 00-0206	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	250.58	40.76
	For Sloped Roofs Up To 1 In 12 Pitch, Add	20.98	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	46.04	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.09	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.52	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	100.69	
07 72 13 00-0207	EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	289.02	44.47
	For Sloped Roofs Up To 1 In 12 Pitch, Add	24.46	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	53.36	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.58	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	72.01	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	125.51	
07 72 13 00-0208	2 x 12 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0209	EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	162.01	29.65
	For Sloped Roofs Up To 1 In 12 Pitch, Add	13.24	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	29.44	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.53	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	26.00	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	37.77	
07 72 13 00-0210	EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	179.05	33.34
	For Sloped Roofs Up To 1 In 12 Pitch, Add	14.57	
	For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	32.48	
	For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	5.30	
	For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	42.75	
	For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	50.24	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various roof curb specifications (e.g., 26" x 98", 38" x 74", 50" x 50") and their associated costs.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0227	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	238.88 20.18 44.07 12.36 49.81 86.19	37.05
07 72 13 00-0228	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	253.71 20.92 46.30 16.53 76.45 103.20	44.47
07 72 13 00-0229	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	220.69 18.36 40.43 13.16 48.47 89.13	37.05
07 72 13 00-0230	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	239.88 19.91 43.90 15.09 67.52 100.69	40.76
07 72 13 00-0231	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	278.32 23.39 51.22 19.58 72.01 125.51	44.47
07 72 13 00-0232			2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0233	EA		26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.01 13.24 29.44 3.53 26.00 37.77	29.65
07 72 13 00-0234	EA		26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.84 14.25 31.83 5.30 42.75 50.24	33.34
07 72 13 00-0235	EA		26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	214.36 18.10 39.54 9.79 62.22 68.64	33.34
07 72 13 00-0236	EA		38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	206.87 17.35 38.04 8.35 55.43 70.41	33.34
07 72 13 00-0237	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	220.78 18.74 40.82 9.95 61.31 75.22	33.34
07 72 13 00-0238	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	249.58 21.25 46.21 12.84 69.55 90.95	37.05
07 72 13 00-0239	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	214.36 18.10 39.54 8.67 55.75 67.52	33.34
07 72 13 00-0240	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.07 22.00 47.71 12.36 49.81 86.19	37.05
07 72 13 00-0241	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	274.04 22.96 50.36 16.53 76.45 103.20	44.47



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0242	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	234.60	37.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.76	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	43.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.16	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.47	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	89.13	
07 72 13 00-0243	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	255.93	40.76
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.52	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	47.11	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.52	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.69	
07 72 13 00-0244	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	296.51	44.47
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.20	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	54.86	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	72.01	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.51	
07 72 13 00-0245			2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0246	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	168.43	29.65
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	13.88	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	30.72	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.53	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	26.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.77	
07 72 13 00-0247	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	184.40	33.34
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	15.11	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	33.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	42.75	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	50.24	
07 72 13 00-0248	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	227.20	33.34
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.39	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	42.11	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	62.22	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	68.64	
07 72 13 00-0249	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	216.50	33.34
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.32	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	39.97	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.35	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.43	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.41	
07 72 13 00-0250	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	233.62	33.34
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.03	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	43.39	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.95	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	61.31	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	75.22	
07 72 13 00-0251	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	263.49	37.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.64	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	48.99	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	69.55	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.95	
07 72 13 00-0252	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	223.99	33.34
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.06	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	41.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.67	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.75	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	67.52	
07 72 13 00-0253	EA		50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	268.84	37.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.18	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	50.06	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.36	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	49.81	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.19	
07 72 13 00-0254	EA		51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	286.88	44.47
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.24	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	52.93	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	16.53	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	76.45	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	103.20	
07 72 13 00-0255	EA		62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	245.30	37.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.83	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	45.36	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.16	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.47	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	89.13	
07 72 13 00-0256	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb.....	267.70	40.76
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.69	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.52	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.69	

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0257	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	310.42	44.47
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.60	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.64	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	72.01	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.51	
07 72 13 00-0258		2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0259	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	181.27	29.65
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	15.16	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	33.29	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.53	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	26.00	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.77	
07 72 13 00-0260	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	190.82	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	15.75	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	34.83	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.30	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	42.75	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	50.24	
07 72 13 00-0261	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	236.83	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.35	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	44.03	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.79	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	62.22	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	68.64	
07 72 13 00-0262	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	244.32	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.10	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	45.53	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.95	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	61.31	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	75.22	
07 72 13 00-0263	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	304.15	37.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.71	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.13	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.84	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	69.55	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.95	
07 72 13 00-0264	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	255.02	33.34
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.17	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	47.67	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.67	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.75	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	67.52	
07 72 13 00-0265	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	306.29	37.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.92	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.55	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.36	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	49.81	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.19	
07 72 13 00-0266	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	329.68	44.47
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.52	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	61.49	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	16.53	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	76.45	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	103.20	
07 72 13 00-0267	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	307.29	40.76
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.65	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.38	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.09	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.52	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.69	
07 72 23		Relief Vents (07 72)		
07 72 23 00-0001		Wind Driven Turbine Ventilators (07 72 23)		
		Note: Excludes curb or flange base.		
07 72 23 00-0002		Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	79.40	12.33
		<i>For Curb Or Flange Base, Add</i>	83.52	
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	95.90	13.66
		<i>For Curb Or Flange Base, Add</i>	91.48	
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	102.47	16.30
		<i>For Curb Or Flange Base, Add</i>	100.51	
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	205.43	18.07
		<i>For Curb Or Flange Base, Add</i>	170.71	
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	285.92	20.26
		<i>For Curb Or Flange Base, Add</i>	184.25	
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	346.64	22.03
		<i>For Curb Or Flange Base, Add</i>	200.21	
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	444.88	24.67
		<i>For Curb Or Flange Base, Add</i>	247.43	
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	739.84	33.04
		<i>For Curb Or Flange Base, Add</i>	413.61	
07 72 23 00-0011		Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)		



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various siphon ventilator and mushroom gravity ventilator items with their respective costs.

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23)			
Note: Includes flange base and bird screen. Excludes curb.			
07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	282.10 22.03
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	326.48 29.08
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	473.10 39.65
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	755.66 45.82
07 72 26 Ridge Vents (07 72)			
07 72 26 00-0001 Aluminum Ridge Vents (07 72 26)			
07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	4.89 1.28
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	19.85 7.93
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap.....	18.61 7.93
07 72 26 00-0005 Galvanized Ridge Vents (07 72 26)			
07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	6.02 1.37
07 72 29 Rafter Vent (07 72)			
07 72 29 00-0001 Rafter Vent (07 72 29)			
Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.			
07 72 29 00-0002	EA	22" x 4' Rafter Vent.....	4.95
07 72 29 00-0003	EA	14" x 4' Rafter Vent.....	4.36
07 72 33 Roof Hatches (07 72)			
Note: Includes curb with integral insulation, lockable hatch and gaskets.			
07 72 33 00-0001 Galvanized Steel Cover And Curb (07 72 33)			
07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20)	788.26 54.13
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20).....	1,199.57 60.15
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20).....	2,171.95 82.03
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20).....	1,189.97 60.15
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch.....	1,345.47 66.84
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch.....	2,246.84 91.17
07 72 33 00-0008 Aluminum Cover And Curb (07 72 33)			
07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50)	911.68 54.13
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50).....	1,218.40 60.15
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50).....	2,303.97 82.03
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50).....	1,201.98 60.15
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50).....	2,265.98 66.84
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch.....	2,437.43 91.17
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50)	1,375.58 60.15
07 72 33 00-0016 Steel, Plain, Primed (07 72 33)			
07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20).....	750.96 54.13
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20).....	1,044.62 60.15
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20).....	1,431.90 82.03
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20).....	969.68 60.15
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	1,203.35 66.84
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	1,635.72 91.17
07 72 33 00-0023 Stainless Steel (07 72 33)			
07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90).....	2,244.85 54.13
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90).....	4,438.50 60.15
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90).....	6,702.21 82.03
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90).....	3,537.29 60.15
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	7,660.46 66.84
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	8,532.46 91.17
07 72 33 00-0030 Remove And Reinstall Roof Hatch (07 72 33)			
Note: Includes storage, cleaning and supply materials.			
07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch (All Types).....	166.51
07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb (07 72 33)			
07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40)	877.56 60.15
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40).....	1,184.29 66.84
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40).....	2,215.29 91.12
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40).....	1,174.69 62.03
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40).....	2,190.93 68.72
07 72 33 00-0038 Roof Hatch Accessories (07 72 33)			



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Includes sections for Smoke Vents, Aluminum Covers And Galvanized Steel Curb, Polycarbonate Translucent Cover, Roof Walkways, and Waste Containment Assemblies.

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0004 EA 60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	1,752.47	78.36
07 72 63 00-0005 EA 60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	2,179.77	81.49
07 72 63 00-0006 EA 72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	2,168.25	81.49
07 72 63 00-0007 EA 72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	2,870.24	88.15
07 72 63 00-0008 EA 72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	2,199.35	88.15
07 72 63 00-0009 EA 90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	2,438.36	104.44
07 72 63 00-0010 EA 108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	3,639.66	130.58
07 72 63 00-0011 EA 120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	4,584.09	130.58
07 72 63 00-0012 EA 144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	5,879.79	130.58
07 72 63 00-0013 Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) (07 72 63 00-0001)		
07 72 63 00-0014 EA 48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	1,945.38	78.36
07 72 63 00-0015 EA 60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	2,207.41	78.36
07 72 63 00-0016 EA 60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	2,758.52	81.49
07 72 63 00-0017 EA 72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	2,810.36	81.49
07 72 63 00-0018 EA 72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	4,070.92	88.15
07 72 63 00-0019 EA 72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	4,482.67	88.15
07 72 63 00-0020 EA 90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	4,119.89	104.44
07 72 63 00-0021 EA 108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	4,612.88	130.58
07 72 63 00-0022 EA 120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	5,842.35	130.58
07 72 63 00-0023 EA 144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	7,526.76	130.58
07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63) Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		
07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0025)		
07 72 63 00-0027 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	131.76	
07 72 63 00-0028 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	189.36	
07 72 63 00-0029 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	275.73	
07 72 63 00-0030 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	250.86	
07 72 63 00-0031 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	481.21	
07 72 63 00-0032 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	486.96	
07 72 63 00-0033 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	369.95	
07 72 63 00-0034 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	485.13	
07 72 63 00-0035 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	718.35	
07 72 63 00-0036 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	951.58	
07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		
07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
07 72 63 00-0039 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	281.61	
07 72 63 00-0040 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	379.51	
07 72 63 00-0041 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	558.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0042 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	515.87	
07 72 63 00-0043 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	1,008.23	
07 72 63 00-0044 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	1,013.98	
07 72 63 00-0045 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	744.38	
07 72 63 00-0046 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	1,012.16	
07 72 63 00-0047 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	1,493.01	
07 72 63 00-0048 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	1,994.02	
07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
07 72 63 00-0050 SET 48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	353.60	
07 72 63 00-0051 SET 60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	442.86	
07 72 63 00-0052 SET 60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	655.92	
07 72 63 00-0053 SET 72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	616.65	
07 72 63 00-0054 SET 72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	1,218.42	
07 72 63 00-0055 SET 72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	1,212.67	
07 72 63 00-0056 SET 90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	876.84	
07 72 63 00-0057 SET 108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	1,222.35	
07 72 63 00-0058 SET 120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	1,723.36	
07 72 63 00-0059 SET 144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	2,405.77	
07 73 Roof Protection Board (07 70)		
07 73 00 00-0001 Roof Protection Board (Georgia-Pacific DensDeck®) (07 73)		
Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
07 73 00 00-0002 SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	1.72	0.19
For No Adhesive, Deduct	-0.46	
For Hot-Mopped, Deduct	-0.16	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.16	
For Mechanically Fastened To Concrete, Add	0.15	
For Mechanically Fastened To Gypsum, Add	0.30	
07 73 00 00-0003 SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	1.94	0.21
For No Adhesive, Deduct	-0.47	
For Hot-Mopped, Deduct	-0.15	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.16	
For Mechanically Fastened To Concrete, Add	0.18	
For Mechanically Fastened To Gypsum, Add	0.33	
07 73 00 00-0004 SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®)	2.04	0.23
For No Adhesive, Deduct	-0.47	
For Hot-Mopped, Deduct	-0.15	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.16	
For Mechanically Fastened To Concrete, Add	0.20	
For Mechanically Fastened To Gypsum, Add	0.35	
07 73 00 00-0005 SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	1.75	0.19
For No Adhesive, Deduct	-0.46	
For Hot-Mopped, Deduct	-0.16	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.16	
For Mechanically Fastened To Concrete, Add	0.15	
For Mechanically Fastened To Gypsum, Add	0.30	
07 73 00 00-0006 SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	1.99	0.21
For No Adhesive, Deduct	-0.47	
For Hot-Mopped, Deduct	-0.15	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.16	
For Mechanically Fastened To Concrete, Add	0.18	
For Mechanically Fastened To Gypsum, Add	0.33	
07 73 00 00-0007 SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime)	2.09	0.23
For No Adhesive, Deduct	-0.47	
For Hot-Mopped, Deduct	-0.15	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.16	
For Mechanically Fastened To Concrete, Add	0.20	
For Mechanically Fastened To Gypsum, Add	0.35	


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
07 76 Roof Pavers (07 76)**07 76 16 Roof Decking Pavers** (07 76)

07 76 16 00-0001	Roof Pavers <small>(07 76 16)</small> Note: For walkway application over roofing system.		
07 76 16 00-0002	SF Up To 100 SF, 2" Concrete Roof Paver	5.81	2.43
	For 1-1/2" Thickness, Deduct	-0.45	
	For 2-1/2" Thickness, Add	0.45	
	For 3" Thickness, Add	0.91	
07 76 16 00-0003	SF >100 To 200 SF, 2" Concrete Roof Paver	5.03	1.83
	For 1-1/2" Thickness, Deduct	-0.38	
	For 2-1/2" Thickness, Add	0.38	
	For 3" Thickness, Add	0.77	
07 76 16 00-0004	SF >200 To 400 SF, 2" Concrete Roof Paver	4.36	1.46
	For 1-1/2" Thickness, Deduct	-0.32	
	For 2-1/2" Thickness, Add	0.32	
	For 3" Thickness, Add	0.65	
07 76 16 00-0005	SF >400 To 1,000 SF, 2" Concrete Roof Paver	3.94	1.27
	For 1-1/2" Thickness, Deduct	-0.29	
	For 2-1/2" Thickness, Add	0.29	
	For 3" Thickness, Add	0.57	
07 76 16 00-0006	SF >1,000 SF, 2" Concrete Roof Paver.....	3.65	1.16
	For 1-1/2" Thickness, Deduct	-0.26	
	For 2-1/2" Thickness, Add	0.26	
	For 3" Thickness, Add	0.53	

07 76 16 00-0007 Roof Paver Pedestal (07 76 16)

07 76 16 00-0008	EA 2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	12.57	0.39
07 76 16 00-0009	EA 3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	12.96	0.39
07 76 16 00-0010	EA 4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	13.36	0.39
07 76 16 00-0011	EA Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	7.23	0.39
07 76 16 00-0012	EA Stay Bar, Used With Roof Paver Pedestals >16" High (Hanover Elevator)	5.65	0.39
07 76 16 00-0013	EA 5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal).....	5.82	0.39
	Note: Stackable.		
07 76 16 00-0014	EA 1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal	3.37	0.39
	Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015	EA Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator)	4.00	0.39
	Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		

07 76 19 Composite Insulation Concrete Protection Board (07 76)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board (07 76 19)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF 2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	2.87	
	For 20 Year Warranty, Deduct	-0.20	
	For 15 Year Warranty, Deduct	-0.40	
	For 10 Year Warranty, Deduct	-0.54	
	For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0003	SF 3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	3.84	
	For 20 Year Warranty, Deduct	-0.28	
	For 15 Year Warranty, Deduct	-0.57	
	For 10 Year Warranty, Deduct	-0.77	
	For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0004	SF 2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	4.49	
	For 20 Year Warranty, Deduct	-0.33	
	For 15 Year Warranty, Deduct	-0.66	
	For 10 Year Warranty, Deduct	-0.89	
	For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0005	SF 3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	5.50	
	For 20 Year Warranty, Deduct	-0.41	
	For 15 Year Warranty, Deduct	-0.83	
	For 10 Year Warranty, Deduct	-1.12	
	For Winds >90 MPH To 120 MPH Warranty, Add	0.10	

07 80 Fire And Smoke Protection (07)**07 81 Applied Fireproofing** (07 80)

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing (07 81)

07 81 16 00-0001	Cementitious Fireproofing <small>(07 81 16)</small>		
07 81 16 00-0002	Spray On Ceiling (Metal Decking Corrugated Or Fluted) <small>(07 81 16 00-0001)</small>		
07 81 16 00-0003	SF Spray Fireproofing For Ceiling, 1 Hour Rated 1/2" Thick Coverage.....	0.60	0.27
07 81 16 00-0004	SF Spray Fireproofing For Ceiling, 2 Hour Rated 7/8" Thick Coverage.....	0.89	0.31
07 81 16 00-0005	Spray On Roofs And Beams <small>(07 81 16 00-0001)</small>		
07 81 16 00-0006	SF Spray Fireproofing For Beams And Roofs, 1 Hour Rated 1-3/8" Thick Coverage.....	1.40	0.39
07 81 16 00-0007	SF Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-1/2" Thick Coverage.....	1.52	0.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 16 00-0008 SF Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-5/8" Thick Coverage	1.61	0.44
07 81 16 00-0009 Spray On Beams (Min. W8x24) (07 81 16 00-0001)		
07 81 16 00-0010 SF Spray Fireproofing For Beams, 1 Hour Rated 7/16" Thick Coverage (Min W8x24)	0.54	0.21
07 81 16 00-0011 SF Spray Fireproofing For Beams, 2 Hour Rated 1/2" Thick Coverage (Min W8x24)	0.65	0.27
07 81 16 00-0012 SF Spray Fireproofing For Beams, 3 Hour Rated 7/8" Thick Coverage (Min W8x24)	0.98	0.31
07 81 16 00-0013 SF Spray Fireproofing For Beams, 4 Hour Rated 1-1/4" Thick Coverage (Min W8x24)	1.33	0.37
07 81 16 00-0014 Spray On Columns (W10x49) (07 81 16 00-0001)		
07 81 16 00-0015 SF Spray Fireproofing For Columns, 1 Hour Rated 1-3/16" Thick Coverage (W10x49)	1.34	0.35
07 81 16 00-0016 SF Spray Fireproofing For Columns, 2 Hour Rated 1-1/4" Thick Coverage (W10x49)	1.45	0.37
07 81 16 00-0017 SF Spray Fireproofing For Columns, 3 Hour Rated 1-7/8" Thick Coverage (W10x49)	1.96	0.44
07 81 16 00-0018 SF Spray Fireproofing For Columns, 4 Hour Rated 2-1/2" Thick Coverage (W10x49)	2.59	0.53
07 81 16 00-0019 Spray On Columns (W14x228) (07 81 16 00-0001)		
07 81 16 00-0020 SF Spray Fireproofing For Columns, 2 Hour Rated 5/8" Thick Coverage (W14x228)	0.82	0.27
07 81 16 00-0021 SF Spray Fireproofing For Columns, 3 Hour Rated 7/8" Thick Coverage (W14x228)	1.07	0.31
07 81 16 00-0022 SF Spray Fireproofing For Columns, 4 Hour Rated 1-1/4" Thick Coverage (W14x228)	1.45	0.39
07 81 16 00-0023 Gunite Fireproofing (07 81 16)		
07 81 16 00-0024 SF Fireproofing, Gunite, Non Reinforced, 1" Thick	1.73	0.26
07 81 16 00-0025 SF Fireproofing, Gunite, Reinforced, 1" Thick	2.58	0.26
07 81 16 00-0026 Monokote Fireproofing (07 81 16)		
07 81 16 00-0027 CSF Monokote Fireproofing For Structural Steel	137.57	41.18
Note: Per inch of thickness.		
07 81 16 00-0028 CSF Monokote Fireproofing For Columns	130.49	0.53
Note: Per inch of thickness.		
07 81 16 00-0029 CSF Monokote Fireproofing For Ceiling/Decking	106.02	27.58
Note: Per inch of thickness.		
07 81 23 Intumescent Fireproofing (07 81)		
07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) (07 81 23)		
07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) (07 81 23 00-0001)		
Note: Excludes primer.		
07 81 23 00-0003 SF 1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	9.24	
For >10,000, Deduct	-0.90	
07 81 23 00-0004 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	15.05	
For >10,000, Deduct	-1.48	
07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) (07 81 23 00-0001)		
Note: Excludes primer.		
07 81 23 00-0006 SF 1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	5.85	
For >10,000, Deduct	-0.56	
07 81 23 00-0007 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	13.42	
For >10,000, Deduct	-1.32	
07 81 23 00-0008 SF 2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	30.88	
For >10,000, Deduct	-3.06	
07 81 23 00-0009 SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	42.66	
For >10,000, Deduct	-4.24	
07 81 23 00-0010 SF 3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	54.44	
For >10,000, Deduct	-5.41	
07 81 23 00-0011 SF 3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	66.23	
For >10,000, Deduct	-6.59	
07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) (07 81 23 00-0001)		
Note: Excludes primer.		
07 81 23 00-0013 SF 1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	12.21	
For >10,000, Deduct	-1.20	
07 81 23 00-0014 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	23.02	
For >10,000, Deduct	-2.28	
07 81 23 00-0015 SF 2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	36.76	
For >10,000, Deduct	-3.65	
07 81 23 00-0016 SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	51.49	
For >10,000, Deduct	-5.12	
07 81 23 00-0017 SF 3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	65.23	
For >10,000, Deduct	-6.49	
07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) (07 81 23)		

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 81 Applied Fireproofing**MINOR
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07 81 23 00-0019	Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) <small>(07 81 23 00-0018)</small>		
	Note: Excludes primer.		
07 81 23 00-0020	SF 1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	5.86	
	For >10,000, Deduct	-0.57	
07 81 23 00-0021	SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	13.65	
	For >10,000, Deduct	-1.35	
07 81 23 00-0022	SF 2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	31.63	
	For >10,000, Deduct	-3.14	
07 81 23 00-0023	SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	43.75	
	For >10,000, Deduct	-4.36	
07 81 23 00-0024	SF 3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	55.88	
	For >10,000, Deduct	-5.57	
07 81 33	Mineral-Fiber Fireproofing <small>(07 81)</small>		
07 81 33 00-0001	Cellulose Fireproofing <small>(07 81 33)</small>		
07 81 33 00-0002	SF Cellulose Fireproofing, Per Inch Of Thickness	1.26	0.26
07 82	Board Fireproofing <small>(07 80)</small>		
	Note: Type A: 1 hour rating. See CSI section 09 23 13 00-0001 for plaster casing and corner bead, 09 29 00 00-0072 for gypsum board casing and corner bead.		
07 82 00 00-0001	Fireproofing On Columns <small>(07 82)</small>		
07 82 00 00-0002	Up To 4,500 SF, Fireproofing On Columns <small>(07 82 00 00-0001)</small>		
07 82 00 00-0003	CSF Lath And Cement Plaster, 1 Hour, Mk A, Up To 4,500 SF, Fireproofing On Columns	599.89	386.13
07 82 00 00-0004	CSF Lath And Cement Plaster, 2 Hour, Mk B, Up To 4,500 SF, Fireproofing On Columns	1,089.63	689.52
07 82 00 00-0005	CSF Lath And Vermiculite Concrete, 4 Hour, Mk C, >4,500 SF, Fireproofing On Columns	973.68	606.79
07 82 00 00-0006	CSF Lath And Gypsum Plaster, 4 Hour, Mk D, Up To 4,500 SF, Fireproofing On Columns	695.49	358.55
07 82 00 00-0007	CSF Lath And Gypsum Plaster, 4 Hour, Mk E, Up To 4,500 SF, Fireproofing On Columns	516.87	303.39
07 82 00 00-0008	CSF Gypsum Board, 2 Hour, Mk F, Up To 4,500 SF, Fireproofing On Columns	769.62	468.88
07 82 00 00-0009	CSF Gypsum Board, 2 Hour, Mk G, Up To 4,500 SF, Fireproofing On Columns	461.48	248.22
07 82 00 00-0010	>4,500 SF, Fireproofing On Columns <small>(07 82 00 00-0001)</small>		
07 82 00 00-0011	CSF Lath And Cement Plaster, 1 Hour, Mk A >4,500 SF, Fireproofing On Columns	607.85	386.13
07 82 00 00-0012	CSF Lath And Cement Plaster, 2 Hour, Mk B, >4,500 SF, Fireproofing On Columns	1,105.55	689.52
07 82 00 00-0013	CSF Lath And Vermiculite Concrete, 4 Hour, Mk C, >4,500 SF, Fireproofing On Columns	989.06	606.79
07 82 00 00-0014	CSF Lath And Gypsum Plaster, 4 Hour, Mk D, >4,500 SF, Fireproofing On Columns	589.17	358.55
07 82 00 00-0015	CSF Lath And Gypsum Plaster, 2 Hour, Mk E, >4,500 SF, Fireproofing On Columns	462.05	303.39
07 82 00 00-0016	CSF Gypsum Board, 2 Hour, Mk F, >4,500 SF, Fireproofing On Columns	753.59	468.88
07 82 00 00-0017	CSF Gypsum Board, 2 Hour, Mk G, >4,500 SF, Fireproofing On Columns	446.97	248.22
07 84	Firestopping <small>(07 80)</small>		
07 84 13	Penetration Firestopping <small>(07 84)</small>		
07 84 13 16	Penetration Firestopping Devices <small>(07 84 13)</small>		
07 84 13 16-0001	Firestopping Systems For Cable Penetrations <small>(07 84 13 16)</small>		
07 84 13 16-0002	Intumescent Firestop Cable Sleeve For New Installations <small>(07 84 13 16-0001)</small>		
	Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003	EA 1" Diameter Intumescent Firestop Sleeve (STI FS100)	37.97	
07 84 13 16-0004	EA 2" Diameter Intumescent Firestop Sleeve (STI FS201)	55.52	
07 84 13 16-0005	EA 4" Diameter Intumescent Firestop Sleeve (STI FS401)	98.24	
07 84 13 16-0006	Intumescent Firestop Cable Pathway For New Or Existing Cable Installations <small>(07 84 13 16-0001)</small>		
	Note: Includes putty and mounting plates.		
07 84 13 16-0007	EA 1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	81.13	
07 84 13 16-0008	EA 3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FW)	150.31	
07 84 13 16-0009	EA 4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	285.01	
07 84 13 16-0010	3M Intumescent Firestopping Multi-Trade Pass Through Device <small>(07 84 13 16)</small>		
07 84 13 16-0011	EA 2.5" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	184.20	
07 84 13 16-0012	EA 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	168.68	
07 84 13 16-0013	EA 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	174.57	
07 84 13 16-0014	Intumescent Firestopping Pipe Collar <small>(07 84 13 16)</small>		
07 84 13 16-0015	EA 1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	22.53	4.51
07 84 13 16-0016	EA 2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	29.03	4.51
07 84 13 16-0017	EA 3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	34.35	4.97



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07 84 13 16-0018 EA 4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	58.03	5.65
07 84 13 16-0019 EA 8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	327.14	6.78
07 84 13 16-0020 EA 10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	425.26	7.45
07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) <small>(07 84 13 16)</small>		
Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022 EA 12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9).....	74.84	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0023 EA 15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9).....	80.62	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0024 EA 11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH)	173.42	
Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
07 84 13 16-0025 EA 14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3).....	106.07	
Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		
07 84 13 16-0026 Intumescent Firestopping Wrap Strips <small>(07 84 13 16)</small>		
07 84 13 16-0027 LF 1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	4.72	
07 84 13 19 Penetration Firestopping Caulk <small>(07 84 13)</small>		
07 84 13 19-0001 Intumescent Firestopping For Sealing Pipe Penetrations <small>(07 84 13 19)</small>		
Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002 EA 1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	7.91	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.06		
07 84 13 19-0003 EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	10.07	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.30		
07 84 13 19-0004 EA 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	9.88	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.22		
07 84 13 19-0005 EA 1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	9.57	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.10		
07 84 13 19-0006 EA 2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	12.08	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.63		
07 84 13 19-0007 EA 2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	11.89	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.56		
07 84 13 19-0008 EA 2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	11.58	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.43		
07 84 13 19-0009 EA 2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	11.10	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.24		
07 84 13 19-0010 EA 2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	10.69	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.08		
07 84 13 19-0011 EA 2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	15.09	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.06		
07 84 13 19-0012 EA 2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	14.90	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.98		
07 84 13 19-0013 EA 2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	14.59	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.86		
07 84 13 19-0014 EA 2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	14.11	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.67		
07 84 13 19-0015 EA 2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	13.70	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.50		
07 84 13 19-0016 EA 2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	12.73	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.12		
07 84 13 19-0017 EA 3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	22.68	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 2.85		
07 84 13 19-0018 EA 3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	19.33	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.51		
07 84 13 19-0019 EA 3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	19.02	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.39		
07 84 13 19-0020 EA 3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	18.53	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.19		
07 84 13 19-0021 EA 3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	18.13	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.03		
07 84 13 19-0022 EA 3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	17.16	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.64		
07 84 13 19-0023 EA 3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	15.90	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.14		
07 84 13 19-0024 EA 4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	32.59	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 5.26		
07 84 13 19-0025 EA 4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	32.25	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 5.13		
07 84 13 19-0026 EA 4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	31.69	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 4.90		
07 84 13 19-0027 EA 4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	30.83	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 4.56		
07 84 13 19-0028 EA 4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	30.09	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 4.26		
07 84 13 19-0029 EA 4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	24.38	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.98		
07 84 13 19-0030 EA 4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	23.13	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.48		
07 84 13 19-0031 EA 4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	21.22	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.72		

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**MINOR
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07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	57.57	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	12.14	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	57.23	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	12.01	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	56.68	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.79	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	55.81	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.44	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	55.08	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.15	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant	53.33	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	10.45	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	51.07	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	9.54	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	47.64	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	8.17	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	34.74	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	3.01	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	80.99	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	19.18	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant	77.56	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	17.81	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant	70.68	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	15.06	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant	42.62	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	3.83	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant.....	107.48	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	27.44	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant.....	87.08	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	19.28	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant.....	51.07	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.88	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations (07 84 13 19)

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	9.58	
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	9.51	
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	9.41	
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	11.03	
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	10.95	
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	10.86	
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	10.71	
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	10.57	
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	13.35	
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	13.28	
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	13.18	
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	13.03	
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	12.90	
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	12.57	
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	16.90	
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	16.83	
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	16.73	
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	16.58	
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	16.45	
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	16.12	
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	15.65	
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.94	
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.87	
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.77	
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0074 EA 4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.45	
07 84 13 19-0075 EA 4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.12	
07 84 13 19-0076 EA 4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	20.70	
07 84 13 19-0077 EA 4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	20.03	
07 84 13 19-0078 EA 6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	33.00	
07 84 13 19-0079 EA 6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.93	
07 84 13 19-0080 EA 6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.83	
07 84 13 19-0081 EA 6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.68	
07 84 13 19-0082 EA 6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.55	
07 84 13 19-0083 EA 6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.21	
07 84 13 19-0084 EA 6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.75	
07 84 13 19-0085 EA 6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.13	
07 84 13 19-0086 EA 6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.77	
07 84 13 19-0087 EA 8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	42.18	
07 84 13 19-0088 EA 8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.56	
07 84 13 19-0089 EA 8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	40.20	
07 84 13 19-0090 EA 8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.35	
07 84 13 19-0091 EA 10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	51.96	
07 84 13 19-0092 EA 10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	48.11	
07 84 13 19-0093 EA 10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	43.03	
07 84 16 Annular Space Protection (07 84)		
07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)		
07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)		
07 84 16 00-0003 EA 1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	18.09	
07 84 16 00-0004 EA 2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	29.19	
07 84 16 00-0005 EA 3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	29.97	
07 84 16 00-0006 EA 4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	30.75	
07 84 16 00-0007 EA 5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	31.52	
07 84 16 00-0008 EA 6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	42.61	
07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)		
07 84 16 00-0010 EA Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	6.38	
07 84 16 00-0011 EA Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	6.81	
07 84 16 00-0012 EA Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272).....	6.01	
07 84 16 00-0013 EA Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	6.85	
07 84 16 00-0014 EA Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266).....	6.52	
07 84 16 00-0015 EA Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	6.06	
07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)		
07 84 16 00-0017 EA 2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	27.10	
07 84 16 00-0018 EA 2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	29.22	
07 84 16 00-0019 EA 3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	31.83	
07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)		
Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0021 EA 16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28).....	220.95	
07 84 16 00-0022 EA 36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2).....	329.46	
07 84 16 00-0023 EA 36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3).....	461.43	
07 84 16 00-0024 Endothermic Mat Wrap Fire Barrier (07 84 16)		
Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025 SF 0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	29.83	
07 84 16 00-0026 Firestopping Caulk For Filling Opening (07 84 16)		
07 84 16 00-0027 GAL Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	127.60	

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 84 16 00-0028 Firestopping Mortar For Filling Opening (07 84 16)
07 84 16 00-0029 CF Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series) 121.95

07 84 23 Silicone Firestopping Foams (07 84)

07 84 23 00-0001 Silicone RTV Foam Seal For Blank Openings (07 84 23)
07 84 23 00-0002 EA 2" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam 21.72
07 84 23 00-0003 EA 4" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam 60.73
07 84 23 00-0004 EA 6" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam 118.22
07 84 23 00-0005 EA 8" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam 193.21
07 84 23 00-0006 EA 10" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam 287.71
07 84 23 00-0007 EA 12" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam 399.80

07 84 43 Joint Firestopping (07 84)

07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (07 84 43)
07 84 43 00-0002 CLF 1/4" x 1/4" Joint, Intumescent Firestop Sealant 197.42 62.18
07 84 43 00-0003 CLF 1/4" x 3/8" Joint, Intumescent Firestop Sealant 241.71 66.07
07 84 43 00-0004 CLF 1/4" x 1/2" Joint, Intumescent Firestop Sealant 278.24 66.07
07 84 43 00-0005 CLF 3/8" x 3/8" Joint, Intumescent Firestop Sealant 296.50 66.07
07 84 43 00-0006 CLF 3/8" x 1/2" Joint, Intumescent Firestop Sealant 351.30 66.07
07 84 43 00-0007 CLF 3/8" x 5/8" Joint, Intumescent Firestop Sealant 413.89 69.96
07 84 43 00-0008 CLF 3/8" x 3/4" Joint, Intumescent Firestop Sealant 476.43 73.84
07 84 43 00-0009 CLF 1/2" x 1/2" Joint, Intumescent Firestop Sealant 432.16 69.96
07 84 43 00-0010 CLF 1/2" x 5/8" Joint, Intumescent Firestop Sealant 520.76 77.73
07 84 43 00-0011 CLF 1/2" x 3/4" Joint, Intumescent Firestop Sealant 601.60 81.62
07 84 43 00-0012 CLF 1/2" x 7/8" Joint, Intumescent Firestop Sealant 682.42 85.50
07 84 43 00-0013 CLF 1/2" x 1" Joint, Intumescent Firestop Sealant 817.71 116.59
07 84 43 00-0014 CLF 3/4" x 3/4" Joint, Intumescent Firestop Sealant 906.29 124.38
07 84 43 00-0015 CLF 1" x 1" Joint, Intumescent Firestop Sealant 1,425.46 128.25

07 84 43 00-0016 Passive Smoke And Fire Protection Sealant For Joints (07 84 43)

07 84 43 00-0017 CLF 1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 167.92 62.18
07 84 43 00-0018 CLF 1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 197.43 66.07
07 84 43 00-0019 CLF 1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 219.21 66.07
07 84 43 00-0020 CLF 3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 230.09 66.07
07 84 43 00-0021 CLF 3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 262.75 66.07
07 84 43 00-0022 CLF 3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 303.20 69.96
07 84 43 00-0023 CLF 3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 343.60 73.84
07 84 43 00-0024 CLF 1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 314.09 69.96
07 84 43 00-0025 CLF 1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 373.17 77.73
07 84 43 00-0026 CLF 1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 424.50 81.62
07 84 43 00-0027 CLF 1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 475.80 85.50
07 84 43 00-0028 CLF 1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 581.57 116.59
07 84 43 00-0029 CLF 3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 640.63 124.38
07 84 43 00-0030 CLF 1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) 953.18 128.25

07 84 56 Fire Safing (07 84)**07 84 56 13 Fibrous Fire Safing** (07 84 56)

07 84 56 13-0001 Thermal Barrier Wrap (07 84 56 13)
Note: Includes cutting wrap to fit pipe or conduit and sealing edges.
07 84 56 13-0002 SF 1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A) 6.40
For Work In Restricted Working Space, Add 0.54
07 84 56 13-0003 SF 1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A) 11.38
Note: Includes cutting wrap to fit pipe or conduit and sealing edges.
For Work In Restricted Working Space, Add 0.54
07 84 56 13-0004 SF 2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A) 12.57
Note: Includes cutting wrap to fit pipe or conduit and sealing edges.
For Work In Restricted Working Space, Add 0.54

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)

07 84 56 13-0006 SF 1/2" Thermal Ceramics FireMaster Blanket Wrap 8.72 4.11
For Work In Restricted Working Space, Add 1.65
For >500 To 5,000, Deduct -1.01
For >5,000, Deduct -1.74



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 56 13-0007	SF		1" Thermal Ceramics FireMaster Blanket Wrap.....	11.37	4.11
			<i>For Work In Restricted Working Space, Add</i>	1.65	
			<i>For >500 To 5,000, Deduct</i>	-1.62	
			<i>For >5,000, Deduct</i>	-2.72	
07 84 56 13-0008	SF		1-1/2" Thermal Ceramics FireMaster Blanket Wrap.....	14.28	4.11
			<i>For Work In Restricted Working Space, Add</i>	1.65	
			<i>For >500 To 5,000, Deduct</i>	-2.29	
			<i>For >5,000, Deduct</i>	-3.80	
07 84 56 13-0009	SF		2" Thermal Ceramics FireMaster Blanket Wrap.....	17.20	4.11
			<i>For Work In Restricted Working Space, Add</i>	1.65	
			<i>For >500 To 5,000, Deduct</i>	-2.96	
			<i>For >5,000, Deduct</i>	-4.88	

07 90 Joint Protection (07)

07 91 Preformed Joint Seals (07 90)

07 91 23 Backer Rods (07 91)

07 91 23 00-0001 Backer Rods (07 91 23)

07 91 23 00-0002	LF		1/4" Polyethylene Or Polyurethane Backer Rod.....	0.65	0.19
07 91 23 00-0003	LF		3/8" Polyethylene Or Polyurethane Backer Rod.....	0.71	0.19
07 91 23 00-0004	LF		1/2" Polyethylene Or Polyurethane Backer Rod.....	0.76	0.19
07 91 23 00-0005	LF		5/8" Polyethylene Or Polyurethane Backer Rod.....	0.83	0.19
07 91 23 00-0006	LF		3/4" Polyethylene Or Polyurethane Backer Rod.....	0.86	0.23
07 91 23 00-0007	LF		7/8" Polyethylene Or Polyurethane Backer Rod.....	0.93	0.23
07 91 23 00-0008	LF		1" Polyethylene Or Polyurethane Backer Rod.....	1.07	0.23
07 91 23 00-0009	LF		1-1/4" Polyethylene Or Polyurethane Backer Rod.....	1.21	0.27
07 91 23 00-0010	LF		1-1/2" Polyethylene Or Polyurethane Backer Rod.....	1.38	0.31
07 91 23 00-0011	LF		2" Polyethylene Or Polyurethane Backer Rod.....	1.72	0.35
07 91 23 00-0012	LF		3" Polyethylene Or Polyurethane Backer Rod.....	2.99	0.43

07 91 26 Joint Fillers (07 91)

07 91 26 00-0001 Butyl Rubber Fillers (07 91 26)

07 91 26 00-0002	LF		1/4" x 1/4" Butyl Rubber Filler.....	0.81	0.23
			<i>For Coloring, Add</i>	0.00	
07 91 26 00-0003	LF		1/2" x 1/2" Butyl Rubber Filler.....	2.34	0.67
			<i>For Coloring, Add</i>	0.02	
07 91 26 00-0004	LF		1/2" x 3/4" Butyl Rubber Filler.....	2.69	0.71
			<i>For Coloring, Add</i>	0.03	
07 91 26 00-0005	LF		3/4" x 3/4" Butyl Rubber Filler.....	2.78	0.75
07 91 26 00-0006	LF		1" x 1" Butyl Rubber Filler.....	2.66	0.83

07 91 26 00-0007 Closed Cell Neoprene (07 91 26)

07 91 26 00-0008	CLF		1/8" x 3" Neoprene Gasket Closed Cell, Adhesive.....	164.77	45.21
07 91 26 00-0009	CLF		1/8" x 6" Neoprene Gasket Closed Cell, Adhesive.....	302.16	65.31
07 91 26 00-0010	CLF		1/4" x 3" Neoprene Gasket Closed Cell, Adhesive.....	222.20	55.98
07 91 26 00-0011	CLF		1/4" x 6" Neoprene Gasket Closed Cell, Adhesive.....	285.09	58.76
07 91 26 00-0012	CLF		1/2" x 6" Neoprene Gasket Closed Cell, Adhesive.....	432.67	90.41
07 91 26 00-0013	CLF		1/2" x 9" Neoprene Gasket Closed Cell, Adhesive.....	522.10	97.94
07 91 26 00-0014	CLF		1/2" x 12" Neoprene Gasket Closed Cell, Adhesive.....	562.46	71.23

07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)

07 91 26 00-0016	CLF		1/8" x 3" Polyethylene Joint Backing, Closed Cell.....	168.69	55.98
07 91 26 00-0017	CLF		1/8" x 6" Polyethylene Joint Backing, Closed Cell.....	325.68	90.41
07 91 26 00-0018	CLF		1/4" x 3" Polyethylene Joint Backing, Closed Cell.....	232.21	77.18
07 91 26 00-0019	CLF		1/4" x 6" Polyethylene Joint Backing, Closed Cell.....	309.91	81.49
07 91 26 00-0020	CLF		1/2" x 6" Polyethylene Joint Backing, Closed Cell.....	469.48	124.97
07 91 26 00-0021	CLF		1/2" x 9" Polyethylene Joint Backing, Closed Cell.....	576.54	135.63
07 91 26 00-0022	CLF		1/2" x 12" Polyethylene Joint Backing, Closed Cell.....	806.89	162.58

07 91 26 00-0023 Silicon RTV Foam Penetration Seal (07 91 26)

07 91 26 00-0024	CLF		1/4" x 1/2" Silicon RTV Foam Seal.....	92.66	8.97
07 91 26 00-0025	CLF		1/2" x 1/2" Silicon RTV Foam Seal.....	185.33	17.91
07 91 26 00-0026	CLF		1/2" x 3/4" Silicon RTV Foam Seal.....	277.01	26.60
07 91 26 00-0027	CLF		3/4" x 3/4" Silicon RTV Foam Seal.....	402.10	35.85
07 91 26 00-0028	CLF		1/8" x 1" Silicon RTV Foam Seal.....	92.66	8.97
07 91 26 00-0029	CLF		1/8" x 3" Silicon RTV Foam Seal.....	276.85	26.52
07 91 26 00-0030	CLF		1/4" x 3" Silicon RTV Foam Seal.....	509.57	39.84
07 91 26 00-0031	CLF		1/4" x 6" Silicon RTV Foam Seal.....	1,018.48	79.41
07 91 26 00-0032	CLF		1/2" x 6" Silicon RTV Foam Seal.....	1,982.99	143.35
07 91 26 00-0033	CLF		1/2" x 9" Silicon RTV Foam Seal.....	3,003.30	223.93
07 91 26 00-0034	CLF		1/2" x 12" Silicon RTV Foam Seal.....	4,209.45	358.31

07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" (07 91 26)

07 91 26 00-0036	LF		1/4" Seals O-Ring Cord, J-Seal.....	1.69	0.51
07 91 26 00-0037	LF		1/2" Seals O-Ring Cord, J-Seal.....	1.79	0.51
07 91 26 00-0038	LF		3/4" Seals O-Ring Cord, J-Seal.....	1.92	0.54

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Prefomed Joint Seals**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	2.06	0.58
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	2.24	0.63
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	2.38	0.63
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	2.56	0.67
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	2.68	0.67

07 91 33 Expansion Joint Seal Systems (07 91)**07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) (07 91 33)****07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal****Systems (Wabo® HSeal) (07 91 33 00-0001)**

Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.

07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	46.17	2.49
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	63.74	2.61
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	82.28	2.72
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	102.97	2.85
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	135.56	2.96
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	156.59	3.08
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	182.75	3.20

07 91 33 00-0010 Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal**Systems (Wabo® CompressionSeal) (07 91 33 00-0001)**

Note: Includes prefomed neoprene joint seal and lubricant adhesive.

07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	20.27	2.49
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	22.65	2.53
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	28.74	2.56
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	30.80	2.61
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	33.32	2.64
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	42.37	2.68
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	53.85	2.72
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	64.76	2.85
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	74.02	2.96

07 91 33 00-0020 Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal**Systems (Wabo® CompressionSeal) (07 91 33 00-0001)**

Note: Includes prefomed Santoprene® joint seal and lubricant adhesive.

07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	15.86	2.49
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	22.33	2.61
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	28.69	2.72
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	30.57	2.78
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	34.58	2.85
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	52.67	2.96
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	75.13	3.08

07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal**Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)**

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	17.96	0.99
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	31.15	1.03
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	47.69	1.06
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	60.55	1.10
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	80.18	1.14



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0034	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	106.62	1.19
07 91 33 00-0035	LF		2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	131.15	1.23
07 91 33 00-0036	LF		2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	177.51	1.27
07 91 33 00-0037	LF		3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	207.53	1.30
07 91 33 00-0038			Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001) Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039	LF		0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	17.49	0.99
07 91 33 00-0040	LF		1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	23.52	1.03
07 91 33 00-0041	LF		1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	32.07	1.06
07 91 33 00-0042	LF		1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	44.09	1.10
07 91 33 00-0043	LF		2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	50.48	1.14
07 91 33 00-0044	LF		2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	70.72	1.19
07 91 33 00-0045	LF		3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	95.61	1.23
07 91 33 00-0046	LF		3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	103.32	1.27
07 92 Joint Sealants (07 90)					
07 92 13 Elastomeric Joint Sealants (07 92)					
07 92 13 00-0001 Silicone Sealant And Caulking (07 92 13)					
07 92 13 00-0002	CLF		1/4" x 1/4" Joint, Silicone Sealant And Caulking.....	168.84	62.18
			For Coloring, Add	16.01	
			For 1 Part Mildew Resistant, Add	15.56	
			For High-Modulus Non-Acid Curing, Add	8.89	
07 92 13 00-0003	CLF		1/4" x 3/8" Joint, Silicone Sealant And Caulking.....	194.96	64.13
			For Coloring, Add	24.01	
			For 1 Part Mildew Resistant, Add	23.35	
			For High-Modulus Non-Acid Curing, Add	13.34	
07 92 13 00-0004	CLF		1/4" x 1/2" Joint, Silicone Sealant And Caulking.....	221.05	66.07
			For Coloring, Add	32.01	
			For 1 Part Mildew Resistant, Add	31.13	
			For High-Modulus Non-Acid Curing, Add	17.79	
07 92 13 00-0005	CLF		3/8" x 3/8" Joint, Silicone Sealant And Caulking.....	232.17	66.07
			For Coloring, Add	36.02	
			For 1 Part Mildew Resistant, Add	35.02	
			For High-Modulus Non-Acid Curing, Add	20.01	
07 92 13 00-0006	CLF		3/8" x 1/2" Joint, Silicone Sealant And Caulking.....	269.44	68.02
			For Coloring, Add	48.02	
			For 1 Part Mildew Resistant, Add	46.69	
			For High-Modulus Non-Acid Curing, Add	26.68	
07 92 13 00-0007	CLF		3/8" x 5/8" Joint, Silicone Sealant And Caulking.....	306.67	69.96
			For Coloring, Add	60.03	
			For 1 Part Mildew Resistant, Add	58.36	
			For High-Modulus Non-Acid Curing, Add	33.35	
07 92 13 00-0008	CLF		3/8" x 3/4" Joint, Silicone Sealant And Caulking.....	347.76	73.84
			For Coloring, Add	72.04	
			For 1 Part Mildew Resistant, Add	70.04	
			For High-Modulus Non-Acid Curing, Add	40.02	
07 92 13 00-0009	CLF		1/2" x 1/2" Joint, Silicone Sealant And Caulking.....	317.79	69.96
			For Coloring, Add	64.03	
			For 1 Part Mildew Resistant, Add	62.25	
			For High-Modulus Non-Acid Curing, Add	35.57	
07 92 13 00-0010	CLF		1/2" x 5/8" Joint, Silicone Sealant And Caulking.....	377.79	77.73
			For Coloring, Add	80.04	
			For 1 Part Mildew Resistant, Add	77.82	
			For High-Modulus Non-Acid Curing, Add	44.47	
07 92 13 00-0011	CLF		1/2" x 3/4" Joint, Silicone Sealant And Caulking.....	430.04	81.62
			For Coloring, Add	96.05	
			For 1 Part Mildew Resistant, Add	93.38	
			For High-Modulus Non-Acid Curing, Add	53.36	
07 92 13 00-0012	CLF		1/2" x 7/8" Joint, Silicone Sealant And Caulking.....	482.26	85.50
			For Coloring, Add	112.05	
			For 1 Part Mildew Resistant, Add	108.94	
			For High-Modulus Non-Acid Curing, Add	62.25	
07 92 13 00-0013	CLF		1/2" x 1" Joint, Silicone Sealant And Caulking.....	530.61	87.45
			For Coloring, Add	128.06	
			For 1 Part Mildew Resistant, Add	124.51	
			For High-Modulus Non-Acid Curing, Add	71.15	
07 92 13 00-0014	CLF		3/4" x 3/4" Joint, Silicone Sealant And Caulking.....	579.01	89.39
			For Coloring, Add	144.07	
			For 1 Part Mildew Resistant, Add	140.07	
			For High-Modulus Non-Acid Curing, Add	80.04	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 92 13 00-0015	CLF	1" x 1" Joint, Silicone Sealant And Caulking	905.79	97.16
		<i>For Coloring, Add</i>	256.13	
		<i>For 1 Part Mildew Resistant, Add</i>	249.01	
		<i>For High-Modulus Non-Acid Curing, Add</i>	142.29	

07 92 13 00-0016 Acrylic/Latex Sealant And Caulking (07 92 13)

07 92 13 00-0017	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	147.10	62.18
07 92 13 00-0018	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	162.33	64.13
07 92 13 00-0019	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	177.55	66.07
07 92 13 00-0020	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	183.23	66.07
07 92 13 00-0021	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	204.19	68.02
07 92 13 00-0022	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	225.11	69.96
07 92 13 00-0023	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	249.89	73.84
07 92 13 00-0024	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	230.79	69.96
07 92 13 00-0025	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	269.05	77.73
07 92 13 00-0026	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	299.54	81.62
07 92 13 00-0027	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	330.02	85.50
07 92 13 00-0028	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	356.62	87.45
07 92 13 00-0029	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	383.26	89.39
07 92 13 00-0030	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	557.80	97.16

07 92 13 00-0031 Polyurethane Sealant And Caulking (07 92 13)

Note: 1 or 2 part, non-sag.

07 92 13 00-0032	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	158.48	62.18
07 92 13 00-0033	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	179.41	64.52
07 92 13 00-0034	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	200.33	66.07
07 92 13 00-0035	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	208.85	66.07
07 92 13 00-0036	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	238.35	68.02
07 92 13 00-0037	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	267.81	69.96
07 92 13 00-0038	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	301.13	73.84
07 92 13 00-0039	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	276.34	69.96
07 92 13 00-0040	CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	325.98	77.73
07 92 13 00-0041	CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	367.86	81.62
07 92 13 00-0042	CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	409.73	85.50
07 92 13 00-0043	CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	447.71	87.45
07 92 13 00-0044	CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	485.75	89.39
07 92 13 00-0045	CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking	603.58	97.16

07 92 13 00-0046 Flexible Polysulfide Sealant And Caulking, Clear (07 92 13)

Note: 1 or 2 part, non-sag.

07 92 13 00-0047	CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	161.72	62.18
07 92 13 00-0048	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	184.28	64.91
07 92 13 00-0049	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	206.82	66.07
07 92 13 00-0050	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	216.15	66.07
07 92 13 00-0051	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	248.09	68.02
07 92 13 00-0052	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	279.98	69.96
07 92 13 00-0053	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	315.73	73.84
07 92 13 00-0054	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	289.32	69.96
07 92 13 00-0055	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	342.21	77.73
07 92 13 00-0056	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	387.33	81.62
07 92 13 00-0057	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	432.45	85.50
07 92 13 00-0058	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	473.67	87.45
07 92 13 00-0059	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	514.96	89.39
07 92 13 00-0060	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	642.52	97.16

07 95 Expansion Control (07 95)**07 95 13 Expansion Joint Cover Assemblies** (07 95)

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)**07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies** (07 95 13 13)**07 95 13 13-0002 With 1" Space** (07 95 13 13-0001)

07 95 13 13-0003	LF	Aluminum Expansion Joint Cover, 1" Opening Floor Assembly Type	27.47	2.96
07 95 13 13-0004	LF	Bronze Expansion Joint Cover, 1" Opening Floor Assembly Type	57.64	2.96
07 95 13 13-0005	LF	Stainless Steel Expansion Joint Cover, 1" Opening Floor Assembly Type	64.72	2.96

07 95 13 13-0006 With 2" Space (07 95 13 13-0001)

07 95 13 13-0007	LF	Aluminum Expansion Joint Cover, 2" Opening Floor Assembly Type	34.71	2.96
07 95 13 13-0008	LF	Bronze Expansion Joint Cover, 2" Opening Floor Assembly Type	72.52	2.96
07 95 13 13-0009	LF	Stainless Steel Expansion Joint Cover, 2" Opening Floor Assembly Type	90.59	2.96

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)**07 95 13 13-0011 With 1" Space** (07 95 13 13-0010)

07 95 13 13-0012	LF	Aluminum Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	20.22	2.96
07 95 13 13-0013	LF	Bronze Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	42.76	2.96
07 95 13 13-0014	LF	Stainless Steel Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	51.78	2.96



Thermal And Moisture Protection		07
Joint Protection		07 90
Expansion Control		07 95

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 13-0015 With 2" Space <small>(07 95 13 13-0010)</small>		
07 95 13 13-0016 LF Aluminum Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type.....	24.57	2.96
07 95 13 13-0017 LF Bronze Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	50.19	2.96
07 95 13 13-0018 LF Stainless Steel Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type.....	64.72	2.96
 07 95 13 16 Exterior Expansion Joint Cover Assemblies <small>(07 95 13)</small>		
07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies <small>(07 95 13 16)</small>		
07 95 13 16-0002 Roof To Roof <small>(07 95 13 16-0001)</small>		
07 95 13 16-0003 LF Exterior Roof To Roof Expansion Joint, 1" Opening Aluminum Assemblies	31.87	1.97
07 95 13 16-0004 LF Exterior Roof To Roof Expansion Joint, 2" Opening Aluminum Assemblies	37.97	1.97
07 95 13 16-0005 LF Exterior Roof To Roof Expansion Joint, 3" Opening Aluminum Assemblies	42.17	1.97
 07 95 13 16-0006 Roof To Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0007 LF Exterior Roof To Wall Expansion Joint, 1" Opening Aluminum Assemblies.....	24.53	1.97
07 95 13 16-0008 LF Exterior Roof To Wall Expansion Joint, 2" Opening Aluminum Assemblies.....	31.99	1.97
 07 95 13 16-0009 Flat Wall To Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0010 LF Exterior Wall To Wall Expansion Joint, 1" Opening Aluminum Assemblies	18.67	1.97
07 95 13 16-0011 LF Exterior Wall To Wall Expansion Joint, 2" Opening Aluminum Assemblies	23.15	1.97
07 95 13 16-0012 LF Exterior Wall To Wall Expansion Joint, 3" Opening Aluminum Assemblies	28.55	1.97
 07 95 13 16-0013 Corner To Flat Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0014 LF Exterior Corner To Wall Expansion Joint, 1" Opening Aluminum Assemblies	17.93	1.97
07 95 13 16-0015 LF Exterior Corner To Wall Expansion Joint, 2" Opening Aluminum Assemblies	20.91	1.97
07 95 13 16-0016 LF Exterior Corner To Wall Expansion Joint, 3" Opening Aluminum Assemblies	29.30	1.97

END OF SECTION 07

07 Thermal And Moisture Protection

07 90 Joint Protection

07 95 Expansion Control

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 Openings

08 01 Operation And Maintenance Of Openings (08)

08 01 10 Operation And Maintenance Of Doors And Frames (08 01)

08 01 11 Operation and Maintenance of Metal Doors and Frames (08 01 10)

08 01 11 61 Metal Doors And Frames Repair (08 01 11)

08 01 11 61-0001	Hollow Metal Door Repair (08 01 11 61)		
Note: Repairs are based on holes or damage of less than 1/2 of a square foot.			
08 01 11 61-0002	SF Patch Small Drill Holes		2.60
08 01 11 61-0003	LF Patch Deep Scrapes Or Cuts In Doors		13.01
08 01 11 61-0004	IN Patch Holes Larger Than Normal Drill Holes (By Diameter Of Holes)		3.90

08 01 50 Operation And Maintenance Of Windows (08 01)

08 01 52 Operation and Maintenance of Wood Windows (08 01 50)

08 01 52 61 Wood Window Repairs (08 01 52)

08 01 52 61-0001	Window Restoration And Replacement (08 01 52 61)		
08 01 52 61-0002	EA Removal And Replacement Of Sash Guides		4.75
08 01 52 61-0003	EA Removal And Replacement Of Window Arms		14.54
08 01 52 61-0004	EA Removal And Replacement Of Window Crank Operator		17.07
08 01 52 61-0005	EA Removal And Replacement Of Brass Window Sash Pull		10.40
08 01 52 61-0006	EA Removal And Replacement Of Brass Window Sash Lock		8.77
08 01 52 61-0007	EA Removal And Replacement Of Window Balance, Removable Sash Window		11.09
Note: Channel, spiral or coil balance.			
08 01 52 61-0008	EA Removal And Replacement Of Window Balance, Sash Window Including The Removal And Replacement Of Wooden Stops And/Or Casing		30.54
Note: Channel, spiral or coil balance.			
			-10.74
For Replacing Two Balances In One Window, Deduct			

08 01 80 Maintenance of Glazing (08 01)

08 01 81 Maintenance of Glass Glazing (08 01 80)

08 01 81 00-0001	Glazing Compound Repair (08 01 81)		
08 01 81 00-0002	LF Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing		2.56

08 05 Common Work Results For Openings (08)

08 05 13 Door Options And Modifications (08 05)

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001	Door Vision Panels (Pemko LT-S1) (08 05 13)		
Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.			
08 05 13 00-0002	EA For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add		80.43
			40.22
For 9/16" To 1-1/16" Glazing Pocket, Add			
08 05 13 00-0003	EA For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add		101.80
			50.90
For 9/16" To 1-1/16" Glazing Pocket, Add			
08 05 13 00-0004	EA For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add		118.09
			59.05
For 9/16" To 1-1/16" Glazing Pocket, Add			
08 05 13 00-0005	EA For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add		150.67
			75.34
For 9/16" To 1-1/16" Glazing Pocket, Add			
08 05 13 00-0006	EA For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add		195.47
			97.74
For 9/16" To 1-1/16" Glazing Pocket, Add			
08 05 13 00-0007	EA For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add		249.42
			124.71
For 9/16" To 1-1/16" Glazing Pocket, Add			
08 05 13 00-0008	EA For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add		264.69
			132.35
For 9/16" To 1-1/16" Glazing Pocket, Add			
08 05 13 00-0009	EA For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add		112.01
			36.56
For 9/16" To 1-1/16" Glazing Pocket, Add			
08 05 13 00-0010	EA For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add		135.34
			46.28
For 9/16" To 1-1/16" Glazing Pocket, Add			
08 05 13 00-0011	EA For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add		154.04
			53.68
For 9/16" To 1-1/16" Glazing Pocket, Add			
08 05 13 00-0012	EA For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add		187.53
			68.49
For 9/16" To 1-1/16" Glazing Pocket, Add			

08 Openings**08 05 Common Work Results For Openings****08 05 13 Door Options And Modifications**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	232.16	
		For 9/16" To 1-1/16" Glazing Pocket, Add	88.85	
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	285.10	
		For 9/16" To 1-1/16" Glazing Pocket, Add	113.38	
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	302.86	
		For 9/16" To 1-1/16" Glazing Pocket, Add	120.32	
08 05 13 00-0016		Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) (08 05 13)		
		Note: Factory primed or powder coated.		
08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	99.77	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	111.99	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	148.64	
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	236.19	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	312.54	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	388.90	
08 05 13 00-0023	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	442.85	
08 05 13 00-0024	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	128.94	
08 05 13 00-0025	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	144.08	
08 05 13 00-0026	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	183.65	
08 05 13 00-0027	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	274.12	
08 05 13 00-0028	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	353.38	
08 05 13 00-0029	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	432.66	
08 05 13 00-0030	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	489.53	
08 05 13 00-0031		Door Hardware Preparation (08 05 13)		
08 05 13 00-0032	EA	Prepare Existing Wood Door (Rated) For Mortise Hardware	71.90	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0033	EA	Prepare Existing Wood Door (Non Rated) For Mortise Hardware	33.04	
08 05 13 00-0034	EA	Prepare Existing Wood Door (Rated) For Cylindrical Hardware	58.30	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0035	EA	Prepare Existing Wood Door (Non Rated) For Cylindrical Hardware	9.71	
08 05 13 00-0036	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod	106.90	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0037	EA	Prepare Existing Wood Door (Non Rated) For Concealed Vertical Rod	68.02	
08 05 13 00-0038	EA	Prepare Existing Wood Door (Rated) For Electric Hardware	71.90	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0039	EA	Prepare Existing Door (Non Rated) For Electric Hardware	33.04	
08 05 13 00-0040		Door Modifications (08 05 13)		
08 05 13 00-0041	EA	For Factory Installed Sound Proofing (STC 28) In Metal Door, Add	72.82	
08 05 13 00-0042	SF	For 16 Gauge Steel Metal Plate Bolted On Door	12.61	
		Note: Includes mounting hardware.		
08 05 13 00-0043	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile	35.01	
		Note: Excludes removal and reinstallation of door.		
08 05 13 00-0044	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile	17.78	
		Note: Excludes removal and reinstallation of door.		
08 05 13 00-0045	EA	Modify Metal Door Frame For Door Swing	538.80	
		Note: Includes removal of door, blank hinge plates, continuous hinge, blank strike plate, new strike plate and reinstallation of door.		
08 05 13 00-0046	EA	Removal And Reinstallation Of Door	33.06	
08 05 13 00-0047	EA	Removal And Reinstallation Of Metal Door Frame	64.83	
08 05 13 00-0048	EA	Removal And Reinstallation Of Wood Door Frame	39.51	

08 10 Doors And Frames (08)**08 11 Metal Doors And Frames** (08 10)**08 11 63 Metal Screen And Storm Doors And Frames** (08 11)**08 11 63 13 Steel Screen And Storm Doors And Frames** (08 11 63)**08 11 63 13-0001 Steel Screen Door** (08 11 63 13)

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7" Steel Screen Door, Residential, With Frame, Trim, Hardware	456.00	53.48
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	459.91	55.43
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware	622.41	55.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 11 63 23 Aluminum Screen And Storm Doors And Frames (08 11 63)

08 11 63 23-0001	Aluminum Combination Type With Tempered Glass At Top And Bottom (08 11 63 23) Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 23-0002	EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware For Special Finished, Add	314.27	31.12
08 11 63 23-0003	EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	28.38	
08 11 63 23-0004	EA Aluminum Screen Door	330.21	31.12
08 11 63 23-0005	SF Repair Screen Door	143.18	19.43
		4.08	

08 11 73 Sliding Metal Fire Doors (08 11)

08 11 73 00-0001	Motor Operated Fire Door (08 11 73) Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.		
08 11 73 00-0002	EA 3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	2,221.93	246.64
08 11 73 00-0003	EA 3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	2,398.90	246.64
08 11 73 00-0004	EA 4' x 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	2,697.80	246.64
08 11 73 00-0005	EA 5' x 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	3,019.90	246.64

08 12 Metal Frames (08 10)

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames (08 12)

08 12 13 13 Standard Hollow Metal Frames (08 12 13)

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001	4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13)		
08 12 13 13-0002	6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13-0001)		
08 12 13 13-0003	EA 2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	167.55 59.50 13.10 199.48 232.24 41.51 39.42 45.04 56.32 -10.92 27.30 41.50	29.17
08 12 13 13-0004	EA 2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	194.18 59.50 15.60 237.21 276.21 48.63 39.42 45.04 56.32 -13.00 32.50 49.40	32.09
08 12 13 13-0005	EA 2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	200.16 59.50 15.85 241.17 280.79 49.84 39.42 45.04 56.32 -13.21 33.02 50.19	34.04
08 12 13 13-0006	EA 2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	205.99 59.50 15.85 241.46 281.08 50.71 39.42 45.04 56.32 -13.21 33.02 50.19	36.96

08 Openings

08 10 Doors And Frames

08 12 Metal Frames


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	210.02	37.93
		For Welded Frames, Add	59.50	
		For Galvanized Frames, Add	16.10	
		For Type 304 Stainless Steel Frame, Add	245.30	
		For Type 316 Stainless Steel Frame, Add	285.55	
		For Baked Enamel Finish, Add	51.63	
		For 3/4 Hour Rating, Add	39.42	
		For 1-1/2 Hour Rating, Add	45.04	
		For 3 Hour Rating, Add	56.32	
		For 18 Gauge Frame, Deduct	-13.42	
		For 14 Gauge Frame, Add	33.54	
		For 12 Gauge Frame, Add	50.98	
		For Auxiliary Frame Reinforcement For Hinges, Add	20.13	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	214.04	38.90
		For Welded Frames, Add	59.50	
		For Galvanized Frames, Add	16.35	
		For Type 304 Stainless Steel Frame, Add	249.14	
		For Type 316 Stainless Steel Frame, Add	290.01	
		For Baked Enamel Finish, Add	52.54	
		For 3/4 Hour Rating, Add	39.42	
		For 1-1/2 Hour Rating, Add	45.04	
		For 3 Hour Rating, Add	56.32	
		For 18 Gauge Frame, Deduct	-13.63	
		For 14 Gauge Frame, Add	34.06	
		For 12 Gauge Frame, Add	51.78	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	227.30	40.84
		For Welded Frames, Add	59.50	
		For Galvanized Frames, Add	17.47	
		For Type 304 Stainless Steel Frame, Add	266.18	
		For Type 316 Stainless Steel Frame, Add	309.87	
		For Baked Enamel Finish, Add	55.94	
		For 3/4 Hour Rating, Add	39.42	
		For 1-1/2 Hour Rating, Add	45.04	
		For 3 Hour Rating, Add	56.32	
		For 18 Gauge Frame, Deduct	-14.56	
		For 14 Gauge Frame, Add	36.40	
		For 12 Gauge Frame, Add	55.33	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	231.18	42.79
		For Welded Frames, Add	59.50	
		For Galvanized Frames, Add	17.47	
		For Type 304 Stainless Steel Frame, Add	266.38	
		For Type 316 Stainless Steel Frame, Add	310.06	
		For Baked Enamel Finish, Add	56.52	
		For 3/4 Hour Rating, Add	39.42	
		For 1-1/2 Hour Rating, Add	45.04	
		For 3 Hour Rating, Add	56.32	
		For 18 Gauge Frame, Deduct	-14.56	
		For 14 Gauge Frame, Add	36.40	
		For 12 Gauge Frame, Add	55.33	
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	240.27	44.73
		For Welded Frames, Add	59.50	
		For Galvanized Frames, Add	18.10	
		For Type 304 Stainless Steel Frame, Add	275.93	
		For Type 316 Stainless Steel Frame, Add	321.17	
		For Baked Enamel Finish, Add	58.66	
		For 3/4 Hour Rating, Add	39.42	
		For 1-1/2 Hour Rating, Add	45.04	
		For 3 Hour Rating, Add	56.32	
		For 18 Gauge Frame, Deduct	-15.08	
		For 14 Gauge Frame, Add	37.70	
		For 12 Gauge Frame, Add	57.31	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	249.37	46.68
		For Welded Frames, Add	59.50	
		For Galvanized Frames, Add	18.72	
		For Type 304 Stainless Steel Frame, Add	285.49	
		For Type 316 Stainless Steel Frame, Add	332.29	
		For Baked Enamel Finish, Add	60.81	
		For 3/4 Hour Rating, Add	39.42	
		For 1-1/2 Hour Rating, Add	45.04	
		For 3 Hour Rating, Add	56.32	
		For 18 Gauge Frame, Deduct	-15.60	
		For 14 Gauge Frame, Add	39.00	
		For 12 Gauge Frame, Add	59.28	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	253.25	48.63
		For Welded Frames, Add	59.50	
		For Galvanized Frames, Add	18.72	
		For Type 304 Stainless Steel Frame, Add	285.68	
		For Type 316 Stainless Steel Frame, Add	332.48	
		For Baked Enamel Finish, Add	61.39	
		For 3/4 Hour Rating, Add	39.42	
		For 1-1/2 Hour Rating, Add	45.04	
		For 3 Hour Rating, Add	56.32	
		For 18 Gauge Frame, Deduct	-15.60	
		For 14 Gauge Frame, Add	39.00	
		For 12 Gauge Frame, Add	59.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0014	EA		5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	257.80 59.50 19.03 290.46 338.04 62.46 39.42 45.04 56.32 -15.86 39.65 60.27 23.79	49.60
08 12 13 13-0015	EA		6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame..... For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	262.34 59.50 19.35 295.23 343.60 63.53 39.42 45.04 56.32 -16.12 40.30 61.26	50.56
08 12 13 13-0016	EA		7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	274.69 59.50 20.59 314.05 365.54 66.95 39.42 45.04 56.32 -17.16 42.90 65.21	51.54
08 12 13 13-0017	EA		8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	287.04 59.50 21.84 332.87 387.47 70.36 39.42 45.04 56.32 -18.20 45.50 69.16	52.51
08 12 13 13-0018			>7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames <small>(08 12 13 13-0001)</small>		
08 12 13 13-0019	EA		2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	179.69 59.50 14.56 221.33 257.73 45.15 39.42 45.04 56.32 -12.13 30.34 46.11	29.17
08 12 13 13-0020	EA		2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame..... For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	208.63 59.50 17.33 263.22 306.55 52.96 39.42 45.04 56.32 -14.45 36.11 54.89	32.09
08 12 13 13-0021	EA		2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame..... For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	214.83 59.50 17.61 267.57 311.60 54.24 39.42 45.04 56.32 -14.68 36.69 55.77	34.04

08 Openings

08 10 Doors And Frames

08 12 Metal Frames


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0022	EA	2'-8" x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	220.66	36.96
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	17.61	
			<i>For Type 304 Stainless Steel Frame, Add</i>	267.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	311.89	
			<i>For Baked Enamel Finish, Add</i>	55.11	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-14.68	
			<i>For 14 Gauge Frame, Add</i>	36.69	
			<i>For 12 Gauge Frame, Add</i>	55.77	
08 12 13 13-0023	EA	2'-10" x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	224.92	37.93
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	17.89	
			<i>For Type 304 Stainless Steel Frame, Add</i>	272.12	
			<i>For Type 316 Stainless Steel Frame, Add</i>	316.84	
			<i>For Baked Enamel Finish, Add</i>	56.10	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-14.91	
			<i>For 14 Gauge Frame, Add</i>	37.27	
			<i>For 12 Gauge Frame, Add</i>	56.65	
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	22.36	
08 12 13 13-0024	EA	3' x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	229.17	38.90
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	18.17	
			<i>For Type 304 Stainless Steel Frame, Add</i>	276.37	
			<i>For Type 316 Stainless Steel Frame, Add</i>	321.79	
			<i>For Baked Enamel Finish, Add</i>	57.08	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-15.14	
			<i>For 14 Gauge Frame, Add</i>	37.85	
			<i>For 12 Gauge Frame, Add</i>	57.52	
08 12 13 13-0025	EA	3'-4" x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	243.47	40.84
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.41	
			<i>For Type 304 Stainless Steel Frame, Add</i>	295.29	
			<i>For Type 316 Stainless Steel Frame, Add</i>	343.82	
			<i>For Baked Enamel Finish, Add</i>	60.79	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-16.18	
			<i>For 14 Gauge Frame, Add</i>	40.45	
			<i>For 12 Gauge Frame, Add</i>	61.48	
08 12 13 13-0026	EA	3'-6" x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	247.35	42.79
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.41	
			<i>For Type 304 Stainless Steel Frame, Add</i>	295.48	
			<i>For Type 316 Stainless Steel Frame, Add</i>	344.02	
			<i>For Baked Enamel Finish, Add</i>	61.37	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-16.18	
			<i>For 14 Gauge Frame, Add</i>	40.45	
			<i>For 12 Gauge Frame, Add</i>	61.48	
08 12 13 13-0027	EA	4' x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	257.02	44.73
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.11	
			<i>For Type 304 Stainless Steel Frame, Add</i>	306.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	356.35	
			<i>For Baked Enamel Finish, Add</i>	63.69	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-16.76	
			<i>For 14 Gauge Frame, Add</i>	41.89	
			<i>For 12 Gauge Frame, Add</i>	63.67	
08 12 13 13-0028	EA	5' x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	266.70	46.68
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.80	
			<i>For Type 304 Stainless Steel Frame, Add</i>	316.68	
			<i>For Type 316 Stainless Steel Frame, Add</i>	368.68	
			<i>For Baked Enamel Finish, Add</i>	66.01	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-17.33	
			<i>For 14 Gauge Frame, Add</i>	43.34	
			<i>For 12 Gauge Frame, Add</i>	65.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0029	EA		5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	270.58	48.63
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.80	
			<i>For Type 304 Stainless Steel Frame, Add</i>	316.87	
			<i>For Type 316 Stainless Steel Frame, Add</i>	368.88	
			<i>For Baked Enamel Finish, Add</i>	66.59	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-17.33	
			<i>For 14 Gauge Frame, Add</i>	43.34	
			<i>For 12 Gauge Frame, Add</i>	65.87	
08 12 13 13-0030	EA		5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	275.42	49.60
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	21.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	322.17	
			<i>For Type 316 Stainless Steel Frame, Add</i>	375.04	
			<i>For Baked Enamel Finish, Add</i>	67.75	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-17.62	
			<i>For 14 Gauge Frame, Add</i>	44.06	
			<i>For 12 Gauge Frame, Add</i>	66.97	
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.43	
08 12 13 13-0031	EA		6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	280.25	50.56
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	21.49	
			<i>For Type 304 Stainless Steel Frame, Add</i>	327.47	
			<i>For Type 316 Stainless Steel Frame, Add</i>	381.21	
			<i>For Baked Enamel Finish, Add</i>	68.91	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-17.91	
			<i>For 14 Gauge Frame, Add</i>	44.78	
			<i>For 12 Gauge Frame, Add</i>	68.07	
08 12 13 13-0032	EA		7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	293.75	51.54
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	22.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	348.36	
			<i>For Type 316 Stainless Steel Frame, Add</i>	405.56	
			<i>For Baked Enamel Finish, Add</i>	72.66	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-19.07	
			<i>For 14 Gauge Frame, Add</i>	47.67	
			<i>For 12 Gauge Frame, Add</i>	72.45	
08 12 13 13-0033	EA		8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	307.26	52.51
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	24.27	
			<i>For Type 304 Stainless Steel Frame, Add</i>	369.27	
			<i>For Type 316 Stainless Steel Frame, Add</i>	429.93	
			<i>For Baked Enamel Finish, Add</i>	76.42	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-20.22	
			<i>For 14 Gauge Frame, Add</i>	50.56	
			<i>For 12 Gauge Frame, Add</i>	76.85	
08 12 13 13-0034			5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13)		
08 12 13 13-0035			6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13-0034)		
08 12 13 13-0036	EA		2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	179.69	29.17
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	14.56	
			<i>For Type 304 Stainless Steel Frame, Add</i>	221.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	257.73	
			<i>For Baked Enamel Finish, Add</i>	45.15	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-12.13	
			<i>For 14 Gauge Frame, Add</i>	30.34	
			<i>For 12 Gauge Frame, Add</i>	46.11	
08 12 13 13-0037	EA		2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	208.63	32.09
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	17.33	
			<i>For Type 304 Stainless Steel Frame, Add</i>	263.22	
			<i>For Type 316 Stainless Steel Frame, Add</i>	306.55	
			<i>For Baked Enamel Finish, Add</i>	52.96	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-14.45	
			<i>For 14 Gauge Frame, Add</i>	36.11	
			<i>For 12 Gauge Frame, Add</i>	54.89	

08 Openings
08 10 Doors And Frames
08 12 Metal Frames



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	214.83	34.04
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	17.61	
		<i>For Type 304 Stainless Steel Frame, Add</i>	267.57	
		<i>For Type 316 Stainless Steel Frame, Add</i>	311.60	
		<i>For Baked Enamel Finish, Add</i>	54.24	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-14.68	
		<i>For 14 Gauge Frame, Add</i>	36.69	
		<i>For 12 Gauge Frame, Add</i>	55.77	
08 12 13 13-0039	EA	2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	220.66	36.96
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	17.61	
		<i>For Type 304 Stainless Steel Frame, Add</i>	267.86	
		<i>For Type 316 Stainless Steel Frame, Add</i>	311.89	
		<i>For Baked Enamel Finish, Add</i>	55.11	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-14.68	
		<i>For 14 Gauge Frame, Add</i>	36.69	
		<i>For 12 Gauge Frame, Add</i>	55.77	
08 12 13 13-0040	EA	2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	224.92	37.93
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	17.89	
		<i>For Type 304 Stainless Steel Frame, Add</i>	272.12	
		<i>For Type 316 Stainless Steel Frame, Add</i>	316.84	
		<i>For Baked Enamel Finish, Add</i>	56.10	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-14.91	
		<i>For 14 Gauge Frame, Add</i>	37.27	
		<i>For 12 Gauge Frame, Add</i>	56.65	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	22.36	
08 12 13 13-0041	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	229.17	38.90
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	18.17	
		<i>For Type 304 Stainless Steel Frame, Add</i>	276.37	
		<i>For Type 316 Stainless Steel Frame, Add</i>	321.79	
		<i>For Baked Enamel Finish, Add</i>	57.08	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-15.14	
		<i>For 14 Gauge Frame, Add</i>	37.85	
		<i>For 12 Gauge Frame, Add</i>	57.52	
08 12 13 13-0042	EA	3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	243.47	40.84
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	19.41	
		<i>For Type 304 Stainless Steel Frame, Add</i>	295.29	
		<i>For Type 316 Stainless Steel Frame, Add</i>	343.82	
		<i>For Baked Enamel Finish, Add</i>	60.79	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-16.18	
		<i>For 14 Gauge Frame, Add</i>	40.45	
		<i>For 12 Gauge Frame, Add</i>	61.48	
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	247.35	42.79
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	19.41	
		<i>For Type 304 Stainless Steel Frame, Add</i>	295.48	
		<i>For Type 316 Stainless Steel Frame, Add</i>	344.02	
		<i>For Baked Enamel Finish, Add</i>	61.37	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-16.18	
		<i>For 14 Gauge Frame, Add</i>	40.45	
		<i>For 12 Gauge Frame, Add</i>	61.48	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	257.02	44.73
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	20.11	
		<i>For Type 304 Stainless Steel Frame, Add</i>	306.08	
		<i>For Type 316 Stainless Steel Frame, Add</i>	356.35	
		<i>For Baked Enamel Finish, Add</i>	63.69	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-16.76	
		<i>For 14 Gauge Frame, Add</i>	41.89	
		<i>For 12 Gauge Frame, Add</i>	63.67	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0045	EA		5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	266.70	46.68
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	20.80	
			For Type 304 Stainless Steel Frame, Add	316.68	
			For Type 316 Stainless Steel Frame, Add	368.68	
			For Baked Enamel Finish, Add	66.01	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-17.33	
			For 14 Gauge Frame, Add	43.34	
			For 12 Gauge Frame, Add	65.87	
08 12 13 13-0046	EA		5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	270.58	48.63
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	20.80	
			For Type 304 Stainless Steel Frame, Add	316.87	
			For Type 316 Stainless Steel Frame, Add	368.88	
			For Baked Enamel Finish, Add	66.59	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-17.33	
			For 14 Gauge Frame, Add	43.34	
			For 12 Gauge Frame, Add	65.87	
08 12 13 13-0047	EA		5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	275.42	49.60
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	21.15	
			For Type 304 Stainless Steel Frame, Add	322.17	
			For Type 316 Stainless Steel Frame, Add	375.04	
			For Baked Enamel Finish, Add	67.75	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-17.62	
			For 14 Gauge Frame, Add	44.06	
			For 12 Gauge Frame, Add	66.97	
			For Auxiliary Frame Reinforcement For Hinges, Add	26.43	
08 12 13 13-0048	EA		6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	280.25	50.56
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	21.49	
			For Type 304 Stainless Steel Frame, Add	327.47	
			For Type 316 Stainless Steel Frame, Add	381.21	
			For Baked Enamel Finish, Add	68.91	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-17.91	
			For 14 Gauge Frame, Add	44.78	
			For 12 Gauge Frame, Add	68.07	
08 12 13 13-0049	EA		7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	293.75	51.54
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	22.88	
			For Type 304 Stainless Steel Frame, Add	348.36	
			For Type 316 Stainless Steel Frame, Add	405.56	
			For Baked Enamel Finish, Add	72.66	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-19.07	
			For 14 Gauge Frame, Add	47.67	
			For 12 Gauge Frame, Add	72.45	
08 12 13 13-0050	EA		8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	307.26	52.51
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	24.27	
			For Type 304 Stainless Steel Frame, Add	369.27	
			For Type 316 Stainless Steel Frame, Add	429.93	
			For Baked Enamel Finish, Add	76.42	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-20.22	
			For 14 Gauge Frame, Add	50.56	
			For 12 Gauge Frame, Add	76.85	
08 12 13 13-0051			>7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames <small>(08 12 13 13-0034)</small>		
08 12 13 13-0052	EA		2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	193.17	29.17
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	16.18	
			For Type 304 Stainless Steel Frame, Add	245.59	
			For Type 316 Stainless Steel Frame, Add	286.04	
			For Baked Enamel Finish, Add	49.20	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-13.48	
			For 14 Gauge Frame, Add	33.71	
			For 12 Gauge Frame, Add	51.23	

08 Openings
08 10 Doors And Frames
08 12 Metal Frames



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0053	EA	2'-4" x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	224.68	32.09
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.26	
			<i>For Type 304 Stainless Steel Frame, Add</i>	292.11	
			<i>For Type 316 Stainless Steel Frame, Add</i>	340.26	
			<i>For Baked Enamel Finish, Add</i>	57.78	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-16.05	
			<i>For 14 Gauge Frame, Add</i>	40.13	
			<i>For 12 Gauge Frame, Add</i>	60.99	
08 12 13 13-0054	EA	2'-6" x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	231.14	34.04
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.57	
			<i>For Type 304 Stainless Steel Frame, Add</i>	296.93	
			<i>For Type 316 Stainless Steel Frame, Add</i>	345.85	
			<i>For Baked Enamel Finish, Add</i>	59.13	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-16.31	
			<i>For 14 Gauge Frame, Add</i>	40.77	
			<i>For 12 Gauge Frame, Add</i>	61.97	
08 12 13 13-0055	EA	2'-8" x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	236.97	36.96
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.57	
			<i>For Type 304 Stainless Steel Frame, Add</i>	297.22	
			<i>For Type 316 Stainless Steel Frame, Add</i>	346.14	
			<i>For Baked Enamel Finish, Add</i>	60.01	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-16.31	
			<i>For 14 Gauge Frame, Add</i>	40.77	
			<i>For 12 Gauge Frame, Add</i>	61.97	
08 12 13 13-0056	EA	2'-10" x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	241.49	37.93
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	301.94	
			<i>For Type 316 Stainless Steel Frame, Add</i>	351.64	
			<i>For Baked Enamel Finish, Add</i>	61.07	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-16.56	
			<i>For 14 Gauge Frame, Add</i>	41.41	
			<i>For 12 Gauge Frame, Add</i>	62.94	
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	24.85	
08 12 13 13-0057	EA	3' x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	245.99	38.90
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.18	
			<i>For Type 304 Stainless Steel Frame, Add</i>	306.65	
			<i>For Type 316 Stainless Steel Frame, Add</i>	357.11	
			<i>For Baked Enamel Finish, Add</i>	62.13	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-16.82	
			<i>For 14 Gauge Frame, Add</i>	42.05	
			<i>For 12 Gauge Frame, Add</i>	63.92	
08 12 13 13-0058	EA	3'-4" x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	261.45	40.84
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	21.57	
			<i>For Type 304 Stainless Steel Frame, Add</i>	327.65	
			<i>For Type 316 Stainless Steel Frame, Add</i>	381.58	
			<i>For Baked Enamel Finish, Add</i>	66.18	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-17.98	
			<i>For 14 Gauge Frame, Add</i>	44.94	
			<i>For 12 Gauge Frame, Add</i>	68.31	
08 12 13 13-0059	EA	3'-6" x >7'-2"	Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	265.33	42.79
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	21.57	
			<i>For Type 304 Stainless Steel Frame, Add</i>	327.85	
			<i>For Type 316 Stainless Steel Frame, Add</i>	381.77	
			<i>For Baked Enamel Finish, Add</i>	66.76	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-17.98	
			<i>For 14 Gauge Frame, Add</i>	44.94	
			<i>For 12 Gauge Frame, Add</i>	68.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	275.64 59.50 22.34 339.60 395.45 69.27 39.42 45.04 56.32 -18.62 46.55 70.75	44.73
08 12 13	13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	285.96 59.50 23.11 351.35 409.13 71.78 39.42 45.04 56.32 -19.26 48.15 73.19	46.68
08 12 13	13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	289.84 59.50 23.11 351.54 409.32 72.37 39.42 45.04 56.32 -19.26 48.15 73.19	48.63
08 12 13	13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	295.00 59.50 23.50 357.42 416.16 73.62 39.42 45.04 56.32 -19.58 48.95 74.41 29.37	49.60
08 12 13	13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	300.15 59.50 23.88 363.29 423.00 74.88 39.42 45.04 56.32 -19.90 49.76 75.63	50.56
08 12 13	13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	314.94 59.50 25.42 386.50 450.06 79.02 39.42 45.04 56.32 -21.19 52.97 80.51	51.54
08 12 13	13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	329.73 59.50 26.96 409.71 477.12 83.16 39.42 45.04 56.32 -22.47 56.18 85.39	52.51
08 12 13	13-0067		6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13)		
08 12 13	13-0068		6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13-0067)		

08 Openings
08 10 Doors And Frames
08 12 Metal Frames



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0069	EA 2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	250.44	29.17
	<i>For Welded Frames, Add</i>	59.50	
	<i>For Galvanized Frames, Add</i>	23.05	
	<i>For Type 304 Stainless Steel Frame, Add</i>	348.68	
	<i>For Type 316 Stainless Steel Frame, Add</i>	406.31	
	<i>For Baked Enamel Finish, Add</i>	66.38	
	<i>For 3/4 Hour Rating, Add</i>	39.42	
	<i>For 1-1/2 Hour Rating, Add</i>	45.04	
	<i>For 3 Hour Rating, Add</i>	56.32	
	<i>For 18 Gauge Frame, Deduct</i>	-19.21	
	<i>For 14 Gauge Frame, Add</i>	48.02	
	<i>For 12 Gauge Frame, Add</i>	72.99	
08 12 13 13-0070	EA 2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	292.86	32.09
	<i>For Welded Frames, Add</i>	59.50	
	<i>For Galvanized Frames, Add</i>	27.44	
	<i>For Type 304 Stainless Steel Frame, Add</i>	414.83	
	<i>For Type 316 Stainless Steel Frame, Add</i>	483.44	
	<i>For Baked Enamel Finish, Add</i>	78.23	
	<i>For 3/4 Hour Rating, Add</i>	39.42	
	<i>For 1-1/2 Hour Rating, Add</i>	45.04	
	<i>For 3 Hour Rating, Add</i>	56.32	
	<i>For 18 Gauge Frame, Deduct</i>	-22.87	
	<i>For 14 Gauge Frame, Add</i>	57.17	
	<i>For 12 Gauge Frame, Add</i>	86.90	
08 12 13 13-0071	EA 2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	300.41	34.04
	<i>For Welded Frames, Add</i>	59.50	
	<i>For Galvanized Frames, Add</i>	27.88	
	<i>For Type 304 Stainless Steel Frame, Add</i>	421.62	
	<i>For Type 316 Stainless Steel Frame, Add</i>	491.32	
	<i>For Baked Enamel Finish, Add</i>	79.91	
	<i>For 3/4 Hour Rating, Add</i>	39.42	
	<i>For 1-1/2 Hour Rating, Add</i>	45.04	
	<i>For 3 Hour Rating, Add</i>	56.32	
	<i>For 18 Gauge Frame, Deduct</i>	-23.23	
	<i>For 14 Gauge Frame, Add</i>	58.09	
	<i>For 12 Gauge Frame, Add</i>	88.29	
08 12 13 13-0072	EA 2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	306.24	36.96
	<i>For Welded Frames, Add</i>	59.50	
	<i>For Galvanized Frames, Add</i>	27.88	
	<i>For Type 304 Stainless Steel Frame, Add</i>	421.91	
	<i>For Type 316 Stainless Steel Frame, Add</i>	491.61	
	<i>For Baked Enamel Finish, Add</i>	80.79	
	<i>For 3/4 Hour Rating, Add</i>	39.42	
	<i>For 1-1/2 Hour Rating, Add</i>	45.04	
	<i>For 3 Hour Rating, Add</i>	56.32	
	<i>For 18 Gauge Frame, Deduct</i>	-23.23	
	<i>For 14 Gauge Frame, Add</i>	58.09	
	<i>For 12 Gauge Frame, Add</i>	88.29	
08 12 13 13-0073	EA 2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	311.85	37.93
	<i>For Welded Frames, Add</i>	59.50	
	<i>For Galvanized Frames, Add</i>	28.32	
	<i>For Type 304 Stainless Steel Frame, Add</i>	428.59	
	<i>For Type 316 Stainless Steel Frame, Add</i>	499.39	
	<i>For Baked Enamel Finish, Add</i>	82.18	
	<i>For 3/4 Hour Rating, Add</i>	39.42	
	<i>For 1-1/2 Hour Rating, Add</i>	45.04	
	<i>For 3 Hour Rating, Add</i>	56.32	
	<i>For 18 Gauge Frame, Deduct</i>	-23.60	
	<i>For 14 Gauge Frame, Add</i>	59.00	
	<i>For 12 Gauge Frame, Add</i>	89.68	
	<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.40	
08 12 13 13-0074	EA 3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	317.45	38.90
	<i>For Welded Frames, Add</i>	59.50	
	<i>For Galvanized Frames, Add</i>	28.76	
	<i>For Type 304 Stainless Steel Frame, Add</i>	435.28	
	<i>For Type 316 Stainless Steel Frame, Add</i>	507.18	
	<i>For Baked Enamel Finish, Add</i>	83.57	
	<i>For 3/4 Hour Rating, Add</i>	39.42	
	<i>For 1-1/2 Hour Rating, Add</i>	45.04	
	<i>For 3 Hour Rating, Add</i>	56.32	
	<i>For 18 Gauge Frame, Deduct</i>	-23.97	
	<i>For 14 Gauge Frame, Add</i>	59.92	
	<i>For 12 Gauge Frame, Add</i>	91.07	
08 12 13 13-0075	EA 3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	337.81	40.84
	<i>For Welded Frames, Add</i>	59.50	
	<i>For Galvanized Frames, Add</i>	30.73	
	<i>For Type 304 Stainless Steel Frame, Add</i>	465.10	
	<i>For Type 316 Stainless Steel Frame, Add</i>	541.94	
	<i>For Baked Enamel Finish, Add</i>	89.09	
	<i>For 3/4 Hour Rating, Add</i>	39.42	
	<i>For 1-1/2 Hour Rating, Add</i>	45.04	
	<i>For 3 Hour Rating, Add</i>	56.32	
	<i>For 18 Gauge Frame, Deduct</i>	-25.61	
	<i>For 14 Gauge Frame, Add</i>	64.03	
	<i>For 12 Gauge Frame, Add</i>	97.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	341.69	42.79
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	30.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	465.29	
			<i>For Type 316 Stainless Steel Frame, Add</i>	542.13	
			<i>For Baked Enamel Finish, Add</i>	89.67	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-25.61	
			<i>For 14 Gauge Frame, Add</i>	64.03	
			<i>For 12 Gauge Frame, Add</i>	97.33	
08 12 13	13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	354.73	44.73
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	31.83	
			<i>For Type 304 Stainless Steel Frame, Add</i>	481.96	
			<i>For Type 316 Stainless Steel Frame, Add</i>	561.54	
			<i>For Baked Enamel Finish, Add</i>	93.00	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-26.53	
			<i>For 14 Gauge Frame, Add</i>	66.32	
			<i>For 12 Gauge Frame, Add</i>	100.80	
08 12 13	13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	367.78	46.68
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	32.93	
			<i>For Type 304 Stainless Steel Frame, Add</i>	498.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	580.95	
			<i>For Baked Enamel Finish, Add</i>	96.33	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-27.44	
			<i>For 14 Gauge Frame, Add</i>	68.61	
			<i>For 12 Gauge Frame, Add</i>	104.28	
08 12 13	13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	371.66	48.63
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	32.93	
			<i>For Type 304 Stainless Steel Frame, Add</i>	498.82	
			<i>For Type 316 Stainless Steel Frame, Add</i>	581.14	
			<i>For Baked Enamel Finish, Add</i>	96.91	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-27.44	
			<i>For 14 Gauge Frame, Add</i>	68.61	
			<i>For 12 Gauge Frame, Add</i>	104.28	
08 12 13	13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	378.18	49.60
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	33.48	
			<i>For Type 304 Stainless Steel Frame, Add</i>	507.14	
			<i>For Type 316 Stainless Steel Frame, Add</i>	590.84	
			<i>For Baked Enamel Finish, Add</i>	98.58	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-27.90	
			<i>For 14 Gauge Frame, Add</i>	69.75	
			<i>For 12 Gauge Frame, Add</i>	106.02	
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.85	
08 12 13	13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	384.69	50.56
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	34.03	
			<i>For Type 304 Stainless Steel Frame, Add</i>	515.46	
			<i>For Type 316 Stainless Steel Frame, Add</i>	600.53	
			<i>For Baked Enamel Finish, Add</i>	100.24	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-28.36	
			<i>For 14 Gauge Frame, Add</i>	70.89	
			<i>For 12 Gauge Frame, Add</i>	107.75	
08 12 13	13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	404.94	51.54
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	36.22	
			<i>For Type 304 Stainless Steel Frame, Add</i>	548.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	639.06	
			<i>For Baked Enamel Finish, Add</i>	106.02	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-30.19	
			<i>For 14 Gauge Frame, Add</i>	75.47	
			<i>For 12 Gauge Frame, Add</i>	114.71	

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	425.18	52.51
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	38.42	
		<i>For Type 304 Stainless Steel Frame, Add</i>	581.52	
		<i>For Type 316 Stainless Steel Frame, Add</i>	677.57	
		<i>For Baked Enamel Finish, Add</i>	111.80	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-32.02	
		<i>For 14 Gauge Frame, Add</i>	80.04	
		<i>For 12 Gauge Frame, Add</i>	121.66	

08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames

08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	271.78	29.17
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	25.61	
		<i>For Type 304 Stainless Steel Frame, Add</i>	387.09	
		<i>For Type 316 Stainless Steel Frame, Add</i>	451.12	
		<i>For Baked Enamel Finish, Add</i>	72.78	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-21.34	
		<i>For 14 Gauge Frame, Add</i>	53.36	
		<i>For 12 Gauge Frame, Add</i>	81.10	
08 12 13 13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	318.27	32.09
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	30.49	
		<i>For Type 304 Stainless Steel Frame, Add</i>	460.57	
		<i>For Type 316 Stainless Steel Frame, Add</i>	536.80	
		<i>For Baked Enamel Finish, Add</i>	85.85	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-25.41	
		<i>For 14 Gauge Frame, Add</i>	63.52	
		<i>For 12 Gauge Frame, Add</i>	96.55	
08 12 13 13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	326.22	34.04
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	30.98	
		<i>For Type 304 Stainless Steel Frame, Add</i>	468.07	
		<i>For Type 316 Stainless Steel Frame, Add</i>	545.52	
		<i>For Baked Enamel Finish, Add</i>	87.66	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-25.82	
		<i>For 14 Gauge Frame, Add</i>	64.54	
		<i>For 12 Gauge Frame, Add</i>	98.10	
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	332.05	36.96
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	30.98	
		<i>For Type 304 Stainless Steel Frame, Add</i>	468.37	
		<i>For Type 316 Stainless Steel Frame, Add</i>	545.81	
		<i>For Baked Enamel Finish, Add</i>	88.53	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-25.82	
		<i>For 14 Gauge Frame, Add</i>	64.54	
		<i>For 12 Gauge Frame, Add</i>	98.10	
08 12 13 13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	338.07	37.93
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	31.47	
		<i>For Type 304 Stainless Steel Frame, Add</i>	475.79	
		<i>For Type 316 Stainless Steel Frame, Add</i>	554.45	
		<i>For Baked Enamel Finish, Add</i>	90.04	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-26.22	
		<i>For 14 Gauge Frame, Add</i>	65.56	
		<i>For 12 Gauge Frame, Add</i>	99.64	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.33	
08 12 13 13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	344.08	38.90
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	31.95	
		<i>For Type 304 Stainless Steel Frame, Add</i>	483.21	
		<i>For Type 316 Stainless Steel Frame, Add</i>	563.10	
		<i>For Baked Enamel Finish, Add</i>	91.56	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-26.63	
		<i>For 14 Gauge Frame, Add</i>	66.57	
		<i>For 12 Gauge Frame, Add</i>	101.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0091	EA	3'-4" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	366.27	40.84
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	34.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	516.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	601.70	
			<i>For Baked Enamel Finish, Add</i>	97.63	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-28.46	
			<i>For 14 Gauge Frame, Add</i>	71.15	
			<i>For 12 Gauge Frame, Add</i>	108.14	
08 12 13 13-0092	EA	3'-6" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	370.15	42.79
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	34.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	516.52	
			<i>For Type 316 Stainless Steel Frame, Add</i>	601.90	
			<i>For Baked Enamel Finish, Add</i>	98.21	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-28.46	
			<i>For 14 Gauge Frame, Add</i>	71.15	
			<i>For 12 Gauge Frame, Add</i>	108.14	
08 12 13 13-0093	EA	4' x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	384.20	44.73
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	35.37	
			<i>For Type 304 Stainless Steel Frame, Add</i>	535.01	
			<i>For Type 316 Stainless Steel Frame, Add</i>	623.43	
			<i>For Baked Enamel Finish, Add</i>	101.84	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-29.47	
			<i>For 14 Gauge Frame, Add</i>	73.69	
			<i>For 12 Gauge Frame, Add</i>	112.00	
08 12 13 13-0094	EA	5' x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	398.27	46.68
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	36.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	553.51	
			<i>For Type 316 Stainless Steel Frame, Add</i>	644.98	
			<i>For Baked Enamel Finish, Add</i>	105.48	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-30.49	
			<i>For 14 Gauge Frame, Add</i>	76.23	
			<i>For 12 Gauge Frame, Add</i>	115.87	
08 12 13 13-0095	EA	5'-4" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	402.15	48.63
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	36.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	553.70	
			<i>For Type 316 Stainless Steel Frame, Add</i>	645.17	
			<i>For Baked Enamel Finish, Add</i>	106.06	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-30.49	
			<i>For 14 Gauge Frame, Add</i>	76.23	
			<i>For 12 Gauge Frame, Add</i>	115.87	
08 12 13 13-0096	EA	5'-8" x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	409.18	49.60
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	37.20	
			<i>For Type 304 Stainless Steel Frame, Add</i>	562.94	
			<i>For Type 316 Stainless Steel Frame, Add</i>	655.94	
			<i>For Baked Enamel Finish, Add</i>	107.88	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-31.00	
			<i>For 14 Gauge Frame, Add</i>	77.50	
			<i>For 12 Gauge Frame, Add</i>	117.80	
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	46.50	
08 12 13 13-0097	EA	6' x >7'-2"	Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	416.20	50.56
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	37.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	572.18	
			<i>For Type 316 Stainless Steel Frame, Add</i>	666.70	
			<i>For Baked Enamel Finish, Add</i>	109.69	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-31.51	
			<i>For 14 Gauge Frame, Add</i>	78.77	
			<i>For 12 Gauge Frame, Add</i>	119.73	

08 Openings

08 10 Doors And Frames

08 12 Metal Frames


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	438.47	51.54
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	40.25	
		<i>For Type 304 Stainless Steel Frame, Add</i>	608.86	
		<i>For Type 316 Stainless Steel Frame, Add</i>	709.47	
		<i>For Baked Enamel Finish, Add</i>	116.08	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-33.54	
		<i>For 14 Gauge Frame, Add</i>	83.85	
		<i>For 12 Gauge Frame, Add</i>	127.45	
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	460.75	52.51
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	42.69	
		<i>For Type 304 Stainless Steel Frame, Add</i>	645.55	
		<i>For Type 316 Stainless Steel Frame, Add</i>	752.26	
		<i>For Baked Enamel Finish, Add</i>	122.47	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-35.57	
		<i>For 14 Gauge Frame, Add</i>	88.93	
		<i>For 12 Gauge Frame, Add</i>	135.17	
08 12 13 13-0100		6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames ^(08 12 13 13-0100)		
08 12 13 13-0101		6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames ^(08 12 13 13-0100)		
08 12 13 13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	264.85	29.17
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	24.78	
		<i>For Type 304 Stainless Steel Frame, Add</i>	374.62	
		<i>For Type 316 Stainless Steel Frame, Add</i>	436.57	
		<i>For Baked Enamel Finish, Add</i>	70.70	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-20.65	
		<i>For 14 Gauge Frame, Add</i>	51.63	
		<i>For 12 Gauge Frame, Add</i>	78.47	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.98	
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	310.01	32.09
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	29.50	
		<i>For Type 304 Stainless Steel Frame, Add</i>	445.70	
		<i>For Type 316 Stainless Steel Frame, Add</i>	519.45	
		<i>For Baked Enamel Finish, Add</i>	83.38	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-24.58	
		<i>For 14 Gauge Frame, Add</i>	61.46	
		<i>For 12 Gauge Frame, Add</i>	93.42	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.87	
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	317.83	34.04
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	29.97	
		<i>For Type 304 Stainless Steel Frame, Add</i>	452.97	
		<i>For Type 316 Stainless Steel Frame, Add</i>	527.90	
		<i>For Baked Enamel Finish, Add</i>	85.14	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-24.98	
		<i>For 14 Gauge Frame, Add</i>	62.44	
		<i>For 12 Gauge Frame, Add</i>	94.91	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.46	
08 12 13 13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	323.66	36.96
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	29.97	
		<i>For Type 304 Stainless Steel Frame, Add</i>	453.26	
		<i>For Type 316 Stainless Steel Frame, Add</i>	528.19	
		<i>For Baked Enamel Finish, Add</i>	86.01	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-24.98	
		<i>For 14 Gauge Frame, Add</i>	62.44	
		<i>For 12 Gauge Frame, Add</i>	94.91	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	329.55	37.93
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	30.44	
			For Type 304 Stainless Steel Frame, Add	460.45	
			For Type 316 Stainless Steel Frame, Add	536.56	
			For Baked Enamel Finish, Add	87.49	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-25.37	
			For 14 Gauge Frame, Add	63.43	
			For 12 Gauge Frame, Add	96.41	
			For Auxiliary Frame Reinforcement For Hinges, Add	38.06	
08 12 13	13-0107	EA	3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	335.42	38.90
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	30.92	
			For Type 304 Stainless Steel Frame, Add	467.62	
			For Type 316 Stainless Steel Frame, Add	544.91	
			For Baked Enamel Finish, Add	88.96	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-25.76	
			For 14 Gauge Frame, Add	64.41	
			For 12 Gauge Frame, Add	97.90	
			For Auxiliary Frame Reinforcement For Hinges, Add	38.64	
08 12 13	13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	357.02	40.84
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	33.04	
			For Type 304 Stainless Steel Frame, Add	499.68	
			For Type 316 Stainless Steel Frame, Add	582.28	
			For Baked Enamel Finish, Add	94.85	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-27.53	
			For 14 Gauge Frame, Add	68.83	
			For 12 Gauge Frame, Add	104.63	
			For Auxiliary Frame Reinforcement For Hinges, Add	41.30	
08 12 13	13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	360.90	42.79
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	33.04	
			For Type 304 Stainless Steel Frame, Add	499.87	
			For Type 316 Stainless Steel Frame, Add	582.47	
			For Baked Enamel Finish, Add	95.43	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-27.53	
			For 14 Gauge Frame, Add	68.83	
			For 12 Gauge Frame, Add	104.63	
			For Auxiliary Frame Reinforcement For Hinges, Add	41.30	
08 12 13	13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	374.62	44.73
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	34.22	
			For Type 304 Stainless Steel Frame, Add	517.76	
			For Type 316 Stainless Steel Frame, Add	603.31	
			For Baked Enamel Finish, Add	98.97	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-28.52	
			For 14 Gauge Frame, Add	71.29	
			For 12 Gauge Frame, Add	108.36	
			For Auxiliary Frame Reinforcement For Hinges, Add	42.77	
08 12 13	13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	388.36	46.68
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	35.40	
			For Type 304 Stainless Steel Frame, Add	535.67	
			For Type 316 Stainless Steel Frame, Add	624.17	
			For Baked Enamel Finish, Add	102.50	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-29.50	
			For 14 Gauge Frame, Add	73.75	
			For 12 Gauge Frame, Add	112.10	
			For Auxiliary Frame Reinforcement For Hinges, Add	44.25	
08 12 13	13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	392.24	48.63
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	35.40	
			For Type 304 Stainless Steel Frame, Add	535.86	
			For Type 316 Stainless Steel Frame, Add	624.36	
			For Baked Enamel Finish, Add	103.09	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-29.50	
			For 14 Gauge Frame, Add	73.75	
			For 12 Gauge Frame, Add	112.10	
			For Auxiliary Frame Reinforcement For Hinges, Add	44.25	

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	399.10	49.60
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	35.99	
		<i>For Type 304 Stainless Steel Frame, Add</i>	544.80	
		<i>For Type 316 Stainless Steel Frame, Add</i>	634.77	
		<i>For Baked Enamel Finish, Add</i>	104.85	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-29.99	
		<i>For 14 Gauge Frame, Add</i>	74.98	
		<i>For 12 Gauge Frame, Add</i>	113.97	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.99	
08 12 13 13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	405.96	50.56
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	36.58	
		<i>For Type 304 Stainless Steel Frame, Add</i>	553.75	
		<i>For Type 316 Stainless Steel Frame, Add</i>	645.20	
		<i>For Baked Enamel Finish, Add</i>	106.62	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-30.48	
		<i>For 14 Gauge Frame, Add</i>	76.21	
		<i>For 12 Gauge Frame, Add</i>	115.84	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	45.72	
08 12 13 13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	427.57	51.54
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	38.94	
		<i>For Type 304 Stainless Steel Frame, Add</i>	589.24	
		<i>For Type 316 Stainless Steel Frame, Add</i>	686.58	
		<i>For Baked Enamel Finish, Add</i>	112.81	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-32.45	
		<i>For 14 Gauge Frame, Add</i>	81.12	
		<i>For 12 Gauge Frame, Add</i>	123.31	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	48.67	
08 12 13 13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	449.19	52.51
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	41.30	
		<i>For Type 304 Stainless Steel Frame, Add</i>	624.74	
		<i>For Type 316 Stainless Steel Frame, Add</i>	727.99	
		<i>For Baked Enamel Finish, Add</i>	119.00	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-34.42	
		<i>For 14 Gauge Frame, Add</i>	86.04	
		<i>For 12 Gauge Frame, Add</i>	130.78	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	51.62	
08 12 13 13-0117		>7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames		
		<small>08 12 13 13-0100)</small>		
08 12 13 13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	287.79	29.17
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	27.53	
		<i>For Type 304 Stainless Steel Frame, Add</i>	415.91	
		<i>For Type 316 Stainless Steel Frame, Add</i>	484.74	
		<i>For Baked Enamel Finish, Add</i>	77.58	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-22.94	
		<i>For 14 Gauge Frame, Add</i>	57.36	
		<i>For 12 Gauge Frame, Add</i>	87.19	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.42	
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	337.33	32.09
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	32.78	
		<i>For Type 304 Stainless Steel Frame, Add</i>	494.88	
		<i>For Type 316 Stainless Steel Frame, Add</i>	576.82	
		<i>For Baked Enamel Finish, Add</i>	91.57	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-27.32	
		<i>For 14 Gauge Frame, Add</i>	68.29	
		<i>For 12 Gauge Frame, Add</i>	103.80	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	345.59 59.50 33.30 502.94 586.20 93.47 39.42 45.04 56.32 -27.75 69.38 105.46 41.63	34.04
08 12 13	13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	351.42 59.50 33.30 503.23 586.49 94.34 39.42 45.04 56.32 -27.75 69.38 105.46 41.63	36.96
08 12 13	13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	357.74 59.50 33.83 511.19 595.76 95.94 39.42 45.04 56.32 -28.19 70.47 107.12 42.28	37.93
08 12 13	13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	364.05 59.50 34.35 519.16 605.04 97.55 39.42 45.04 56.32 -28.63 71.57 108.78 42.94	38.90
08 12 13	13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	387.61 59.50 36.71 554.74 646.52 104.03 39.42 45.04 56.32 -30.59 76.48 116.25 45.89	40.84
08 12 13	13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	391.49 59.50 36.71 554.93 646.71 104.61 39.42 45.04 56.32 -30.59 76.48 116.25 45.89	42.79
08 12 13	13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	406.31 59.50 38.02 574.80 669.86 108.47 39.42 45.04 56.32 -31.69 79.21 120.40 47.53	44.73

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	421.13	46.68
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	39.33	
		<i>For Type 304 Stainless Steel Frame, Add</i>	594.65	
		<i>For Type 316 Stainless Steel Frame, Add</i>	692.99	
		<i>For Baked Enamel Finish, Add</i>	112.34	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-32.78	
		<i>For 14 Gauge Frame, Add</i>	81.94	
		<i>For 12 Gauge Frame, Add</i>	124.55	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	49.17	
08 12 13 13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	425.01	48.63
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	39.33	
		<i>For Type 304 Stainless Steel Frame, Add</i>	594.85	
		<i>For Type 316 Stainless Steel Frame, Add</i>	693.18	
		<i>For Baked Enamel Finish, Add</i>	112.92	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-32.78	
		<i>For 14 Gauge Frame, Add</i>	81.94	
		<i>For 12 Gauge Frame, Add</i>	124.55	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	49.17	
08 12 13 13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	432.43	49.60
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	39.99	
		<i>For Type 304 Stainless Steel Frame, Add</i>	604.79	
		<i>For Type 316 Stainless Steel Frame, Add</i>	704.76	
		<i>For Baked Enamel Finish, Add</i>	114.85	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-33.32	
		<i>For 14 Gauge Frame, Add</i>	83.31	
		<i>For 12 Gauge Frame, Add</i>	126.63	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	49.99	
08 12 13 13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	439.83	50.56
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	40.64	
		<i>For Type 304 Stainless Steel Frame, Add</i>	614.72	
		<i>For Type 316 Stainless Steel Frame, Add</i>	716.33	
		<i>For Baked Enamel Finish, Add</i>	116.78	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-33.87	
		<i>For 14 Gauge Frame, Add</i>	84.68	
		<i>For 12 Gauge Frame, Add</i>	128.71	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	50.81	
08 12 13 13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	463.63	51.54
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	43.27	
		<i>For Type 304 Stainless Steel Frame, Add</i>	654.14	
		<i>For Type 316 Stainless Steel Frame, Add</i>	762.31	
		<i>For Baked Enamel Finish, Add</i>	123.63	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-36.06	
		<i>For 14 Gauge Frame, Add</i>	90.14	
		<i>For 12 Gauge Frame, Add</i>	137.01	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	54.08	
08 12 13 13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	487.43	52.51
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	45.89	
		<i>For Type 304 Stainless Steel Frame, Add</i>	693.57	
		<i>For Type 316 Stainless Steel Frame, Add</i>	808.29	
		<i>For Baked Enamel Finish, Add</i>	130.47	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-38.24	
		<i>For 14 Gauge Frame, Add</i>	95.60	
		<i>For 12 Gauge Frame, Add</i>	145.31	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	57.36	

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13

 08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down
 Metal Door Frames (08 12 13 13-0133)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	274.45 59.50 25.93 391.90 456.73 73.58 39.42 45.04 56.32 -21.61 54.03 82.12 32.42	29.17
08 12 13	13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	321.45 59.50 30.87 466.30 543.48 86.81 39.42 45.04 56.32 -25.73 64.32 97.76 38.59	32.09
08 12 13	13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	329.45 59.50 31.37 473.89 552.30 88.62 39.42 45.04 56.32 -26.14 65.35 99.32 39.21	34.04
08 12 13	13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	335.28 59.50 31.37 474.18 552.59 89.50 39.42 45.04 56.32 -26.14 65.35 99.32 39.21	36.96
08 12 13	13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	341.35 59.50 31.86 481.69 561.34 91.03 39.42 45.04 56.32 -26.55 66.38 100.89 39.83	37.93
08 12 13	13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	347.40 59.50 32.35 489.19 570.07 92.55 39.42 45.04 56.32 -26.96 67.40 102.45 40.44	38.90
08 12 13	13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 3/4 Hour Rating, Add For 1-1/2 Hour Rating, Add For 3 Hour Rating, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add For Auxiliary Frame Reinforcement For Hinges, Add	369.83 59.50 34.58 522.74 609.18 98.70 39.42 45.04 56.32 -28.81 72.04 109.49 43.22	40.84

08 Openings

08 10 Doors And Frames

08 12 Metal Frames


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	373.71	42.79
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	34.58	
		<i>For Type 304 Stainless Steel Frame, Add</i>	522.93	
		<i>For Type 316 Stainless Steel Frame, Add</i>	609.37	
		<i>For Baked Enamel Finish, Add</i>	99.28	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-28.81	
		<i>For 14 Gauge Frame, Add</i>	72.04	
		<i>For 12 Gauge Frame, Add</i>	109.49	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.22	
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	387.89	44.73
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	35.81	
		<i>For Type 304 Stainless Steel Frame, Add</i>	541.65	
		<i>For Type 316 Stainless Steel Frame, Add</i>	631.18	
		<i>For Baked Enamel Finish, Add</i>	102.95	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-29.84	
		<i>For 14 Gauge Frame, Add</i>	74.61	
		<i>For 12 Gauge Frame, Add</i>	113.40	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.76	
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	402.08	46.68
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	37.05	
		<i>For Type 304 Stainless Steel Frame, Add</i>	560.36	
		<i>For Type 316 Stainless Steel Frame, Add</i>	652.98	
		<i>For Baked Enamel Finish, Add</i>	106.62	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-30.87	
		<i>For 14 Gauge Frame, Add</i>	77.18	
		<i>For 12 Gauge Frame, Add</i>	117.31	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	46.31	
08 12 13 13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	405.96	48.63
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	37.05	
		<i>For Type 304 Stainless Steel Frame, Add</i>	560.56	
		<i>For Type 316 Stainless Steel Frame, Add</i>	653.17	
		<i>For Baked Enamel Finish, Add</i>	107.20	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-30.87	
		<i>For 14 Gauge Frame, Add</i>	77.18	
		<i>For 12 Gauge Frame, Add</i>	117.31	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	46.31	
08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	413.05	49.60
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	37.66	
		<i>For Type 304 Stainless Steel Frame, Add</i>	569.91	
		<i>For Type 316 Stainless Steel Frame, Add</i>	664.07	
		<i>For Baked Enamel Finish, Add</i>	109.04	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-31.39	
		<i>For 14 Gauge Frame, Add</i>	78.47	
		<i>For 12 Gauge Frame, Add</i>	119.27	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	47.08	
08 12 13 13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	420.14	50.56
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	38.28	
		<i>For Type 304 Stainless Steel Frame, Add</i>	579.27	
		<i>For Type 316 Stainless Steel Frame, Add</i>	674.98	
		<i>For Baked Enamel Finish, Add</i>	110.87	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-31.90	
		<i>For 14 Gauge Frame, Add</i>	79.75	
		<i>For 12 Gauge Frame, Add</i>	121.22	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	47.85	
08 12 13 13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	442.67	51.54
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	40.75	
		<i>For Type 304 Stainless Steel Frame, Add</i>	616.42	
		<i>For Type 316 Stainless Steel Frame, Add</i>	718.29	
		<i>For Baked Enamel Finish, Add</i>	117.34	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-33.96	
		<i>For 14 Gauge Frame, Add</i>	84.90	
		<i>For 12 Gauge Frame, Add</i>	129.04	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	50.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0149	EA		8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame 465.20		52.51
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	43.22	
			<i>For Type 304 Stainless Steel Frame, Add</i>	653.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	761.61	
			<i>For Baked Enamel Finish, Add</i>	123.81	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-36.02	
			<i>For 14 Gauge Frame, Add</i>	90.04	
			<i>For 12 Gauge Frame, Add</i>	136.86	
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	54.03	
08 12 13 13-0150			>7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13-0133)		
08 12 13 13-0151	EA		2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame 298.46		29.17
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	28.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	435.12	
			<i>For Type 316 Stainless Steel Frame, Add</i>	507.15	
			<i>For Baked Enamel Finish, Add</i>	80.79	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-24.01	
			<i>For 14 Gauge Frame, Add</i>	60.03	
			<i>For 12 Gauge Frame, Add</i>	91.24	
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.02	
08 12 13 13-0152	EA		2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame 350.03		32.09
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	34.30	
			<i>For Type 304 Stainless Steel Frame, Add</i>	517.74	
			<i>For Type 316 Stainless Steel Frame, Add</i>	603.49	
			<i>For Baked Enamel Finish, Add</i>	95.38	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-28.59	
			<i>For 14 Gauge Frame, Add</i>	71.46	
			<i>For 12 Gauge Frame, Add</i>	108.62	
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.88	
08 12 13 13-0153	EA		2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame 358.49		34.04
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	34.85	
			<i>For Type 304 Stainless Steel Frame, Add</i>	526.16	
			<i>For Type 316 Stainless Steel Frame, Add</i>	613.29	
			<i>For Baked Enamel Finish, Add</i>	97.34	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-29.04	
			<i>For 14 Gauge Frame, Add</i>	72.61	
			<i>For 12 Gauge Frame, Add</i>	110.36	
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.56	
08 12 13 13-0154	EA		2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame 364.32		36.96
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	34.85	
			<i>For Type 304 Stainless Steel Frame, Add</i>	526.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	613.58	
			<i>For Baked Enamel Finish, Add</i>	98.21	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-29.04	
			<i>For 14 Gauge Frame, Add</i>	72.61	
			<i>For 12 Gauge Frame, Add</i>	110.36	
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.56	
08 12 13 13-0155	EA		2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame 370.85		37.93
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	35.40	
			<i>For Type 304 Stainless Steel Frame, Add</i>	534.79	
			<i>For Type 316 Stainless Steel Frame, Add</i>	623.29	
			<i>For Baked Enamel Finish, Add</i>	99.88	
			<i>For 3/4 Hour Rating, Add</i>	39.42	
			<i>For 1-1/2 Hour Rating, Add</i>	45.04	
			<i>For 3 Hour Rating, Add</i>	56.32	
			<i>For 18 Gauge Frame, Deduct</i>	-29.50	
			<i>For 14 Gauge Frame, Add</i>	73.75	
			<i>For 12 Gauge Frame, Add</i>	112.10	
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.25	

08 Openings

08 10 Doors And Frames

08 12 Metal Frames


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	377.36	38.90
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	35.95	
		<i>For Type 304 Stainless Steel Frame, Add</i>	543.12	
		<i>For Type 316 Stainless Steel Frame, Add</i>	632.99	
		<i>For Baked Enamel Finish, Add</i>	101.54	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-29.96	
		<i>For 14 Gauge Frame, Add</i>	74.89	
		<i>For 12 Gauge Frame, Add</i>	113.84	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.94	
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	401.84	40.84
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	38.42	
		<i>For Type 304 Stainless Steel Frame, Add</i>	580.35	
		<i>For Type 316 Stainless Steel Frame, Add</i>	676.40	
		<i>For Baked Enamel Finish, Add</i>	108.30	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-32.02	
		<i>For 14 Gauge Frame, Add</i>	80.04	
		<i>For 12 Gauge Frame, Add</i>	121.66	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	48.02	
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	405.72	42.79
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	38.42	
		<i>For Type 304 Stainless Steel Frame, Add</i>	580.55	
		<i>For Type 316 Stainless Steel Frame, Add</i>	676.59	
		<i>For Baked Enamel Finish, Add</i>	108.88	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-32.02	
		<i>For 14 Gauge Frame, Add</i>	80.04	
		<i>For 12 Gauge Frame, Add</i>	121.66	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	48.02	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	421.05	44.73
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	39.79	
		<i>For Type 304 Stainless Steel Frame, Add</i>	601.34	
		<i>For Type 316 Stainless Steel Frame, Add</i>	700.81	
		<i>For Baked Enamel Finish, Add</i>	112.90	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-33.16	
		<i>For 14 Gauge Frame, Add</i>	82.90	
		<i>For 12 Gauge Frame, Add</i>	126.00	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	49.74	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	436.38	46.68
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	41.16	
		<i>For Type 304 Stainless Steel Frame, Add</i>	622.10	
		<i>For Type 316 Stainless Steel Frame, Add</i>	725.01	
		<i>For Baked Enamel Finish, Add</i>	116.91	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-34.30	
		<i>For 14 Gauge Frame, Add</i>	85.76	
		<i>For 12 Gauge Frame, Add</i>	130.35	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	51.45	
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	440.26	48.63
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	41.16	
		<i>For Type 304 Stainless Steel Frame, Add</i>	622.30	
		<i>For Type 316 Stainless Steel Frame, Add</i>	725.20	
		<i>For Baked Enamel Finish, Add</i>	117.49	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-34.30	
		<i>For 14 Gauge Frame, Add</i>	85.76	
		<i>For 12 Gauge Frame, Add</i>	130.35	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	51.45	
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	447.93	49.60
		<i>For Welded Frames, Add</i>	59.50	
		<i>For Galvanized Frames, Add</i>	41.85	
		<i>For Type 304 Stainless Steel Frame, Add</i>	632.69	
		<i>For Type 316 Stainless Steel Frame, Add</i>	737.31	
		<i>For Baked Enamel Finish, Add</i>	119.50	
		<i>For 3/4 Hour Rating, Add</i>	39.42	
		<i>For 1-1/2 Hour Rating, Add</i>	45.04	
		<i>For 3 Hour Rating, Add</i>	56.32	
		<i>For 18 Gauge Frame, Deduct</i>	-34.87	
		<i>For 14 Gauge Frame, Add</i>	87.19	
		<i>For 12 Gauge Frame, Add</i>	132.52	
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	52.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame.....	455.58	50.56
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	42.53	
			For Type 304 Stainless Steel Frame, Add	643.07	
			For Type 316 Stainless Steel Frame, Add	749.40	
			For Baked Enamel Finish, Add	121.50	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-35.45	
			For 14 Gauge Frame, Add	88.61	
			For 12 Gauge Frame, Add	134.69	
			For Auxiliary Frame Reinforcement For Hinges, Add	53.17	
08 12 13	13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame.....	480.40	51.54
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	45.28	
			For Type 304 Stainless Steel Frame, Add	684.33	
			For Type 316 Stainless Steel Frame, Add	797.53	
			For Baked Enamel Finish, Add	128.66	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-37.73	
			For 14 Gauge Frame, Add	94.33	
			For 12 Gauge Frame, Add	143.38	
			For Auxiliary Frame Reinforcement For Hinges, Add	56.60	
08 12 13	13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame.....	505.22	52.51
			For Welded Frames, Add	59.50	
			For Galvanized Frames, Add	48.02	
			For Type 304 Stainless Steel Frame, Add	725.59	
			For Type 316 Stainless Steel Frame, Add	845.65	
			For Baked Enamel Finish, Add	135.81	
			For 3/4 Hour Rating, Add	39.42	
			For 1-1/2 Hour Rating, Add	45.04	
			For 3 Hour Rating, Add	56.32	
			For 18 Gauge Frame, Deduct	-40.02	
			For 14 Gauge Frame, Add	100.05	
			For 12 Gauge Frame, Add	152.07	
			For Auxiliary Frame Reinforcement For Hinges, Add	60.03	
08 12 13	13-0166		Sidelights And Transoms (08 12 13 13)		
08 12 13	13-0167		Fixed Steel Transoms (08 12 13 13-0166)		
			Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13	13-0168	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	30.32	5.44
			For Movable Frame, Add	6.06	
			For 18 Gauge Frame, Deduct	-1.94	
			For 14 Gauge Frame, Add	4.86	
			For 12 Gauge Frame, Add	7.38	
08 12 13	13-0169	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	31.67	5.64
			For Movable Frame, Add	6.33	
			For 18 Gauge Frame, Deduct	-2.04	
			For 14 Gauge Frame, Add	5.10	
			For 12 Gauge Frame, Add	7.75	
08 12 13	13-0170	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	33.09	5.83
			For Movable Frame, Add	6.62	
			For 18 Gauge Frame, Deduct	-2.14	
			For 14 Gauge Frame, Add	5.36	
			For 12 Gauge Frame, Add	8.14	
08 12 13	13-0171		Operable Steel Transom Sash (08 12 13 13-0166)		
			Note: Includes hardware.		
08 12 13	13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	43.45	5.44
			For 18 Gauge Frame, Deduct	-3.26	
			For 14 Gauge Frame, Add	8.14	
			For 12 Gauge Frame, Add	12.37	
08 12 13	13-0173	SF	5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	45.48	5.64
			For 18 Gauge Frame, Deduct	-3.42	
			For 14 Gauge Frame, Add	8.55	
			For 12 Gauge Frame, Add	13.00	
08 12 13	13-0174	SF	6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	47.57	5.83
			For 18 Gauge Frame, Deduct	-3.59	
			For 14 Gauge Frame, Add	8.98	
			For 12 Gauge Frame, Add	13.64	
08 12 13	13-0175		Sidelights, Steel Frame (08 12 13 13-0166)		
			Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13	13-0176	SF	4-3/4" Deep Sidelights, 16 Gauge Frame	31.77	5.44
			For 18 Gauge Frame, Deduct	-2.09	
			For 14 Gauge Frame, Add	5.22	
			For 12 Gauge Frame, Add	7.93	
08 12 13	13-0177	SF	5-3/4" Deep Sidelights, 16 Gauge Frame	33.21	5.64
			For 18 Gauge Frame, Deduct	-2.19	
			For 14 Gauge Frame, Add	5.48	
			For 12 Gauge Frame, Add	8.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 12 13 13-0178	SF		6-3/4" Deep Sidelights, 16 Gauge Frame	34.69	5.83
			For 18 Gauge Frame, Deduct	-2.30	
			For 14 Gauge Frame, Add	5.76	
			For 12 Gauge Frame, Add	8.75	
08 12 13 13-0179 Sundry Hollow Metal Frame Sections (08 12 13 13)					
08 12 13 13-0180 Verticals, Mullions (08 12 13 13-0179)					
08 12 13 13-0181	LF		4-3/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	17.16	2.18
			For 18 Gauge Frame, Deduct	-1.17	
			For 14 Gauge Frame, Add	2.92	
			For 12 Gauge Frame, Add	4.44	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0182	LF		4-3/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	17.63	2.18
			For 18 Gauge Frame, Deduct	-1.22	
			For 14 Gauge Frame, Add	3.04	
			For 12 Gauge Frame, Add	4.62	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0183	LF		5-1/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	17.32	2.26
			For 18 Gauge Frame, Deduct	-1.17	
			For 14 Gauge Frame, Add	2.92	
			For 12 Gauge Frame, Add	4.44	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0184	LF		5-1/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	18.05	2.26
			For 18 Gauge Frame, Deduct	-1.24	
			For 14 Gauge Frame, Add	3.10	
			For 12 Gauge Frame, Add	4.72	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0185	LF		6-3/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	18.02	2.29
			For 18 Gauge Frame, Deduct	-1.23	
			For 14 Gauge Frame, Add	3.07	
			For 12 Gauge Frame, Add	4.66	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0186	LF		6-3/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	18.30	2.29
			For 18 Gauge Frame, Deduct	-1.25	
			For 14 Gauge Frame, Add	3.14	
			For 12 Gauge Frame, Add	4.77	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0187 Horizontals, Rails (08 12 13 13-0179)					
08 12 13 13-0188	LF		4-3/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	11.32	2.18
			For 18 Gauge Frame, Deduct	-0.58	
			For 14 Gauge Frame, Add	1.46	
			For 12 Gauge Frame, Add	2.22	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0189	LF		4-3/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	11.92	2.18
			For 18 Gauge Frame, Deduct	-0.64	
			For 14 Gauge Frame, Add	1.61	
			For 12 Gauge Frame, Add	2.45	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0190	LF		5-1/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	11.48	2.26
			For 18 Gauge Frame, Deduct	-0.58	
			For 14 Gauge Frame, Add	1.46	
			For 12 Gauge Frame, Add	2.22	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0191	LF		5-1/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	12.08	2.26
			For 18 Gauge Frame, Deduct	-0.64	
			For 14 Gauge Frame, Add	1.61	
			For 12 Gauge Frame, Add	2.45	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0192	LF		6-3/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	11.89	2.29
			For 18 Gauge Frame, Deduct	-0.61	
			For 14 Gauge Frame, Add	1.53	
			For 12 Gauge Frame, Add	2.33	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 12 13 13-0193	LF		6-3/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	12.41	2.29
			<i>For 18 Gauge Frame, Deduct</i>	-0.67	
			<i>For 14 Gauge Frame, Add</i>	1.66	
			<i>For 12 Gauge Frame, Add</i>	2.53	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	

08 12 13 13-0194 Metal Frames Accessories (08 12 13 13)

08 12 13 13-0195	EA		For 1 Foot Extension Of New Door Frame.....	20.96	
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08 12 16 Aluminum Frames (08 12)

08 12 16 00-0001 Aluminum 1/8" Two Pieces (08 12 16)

08 12 16 00-0002 4-1/8" x 3/8" (08 12 16 00-0001)

08 12 16 00-0003	EA		2 Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	831.30	21.39
08 12 16 00-0004	EA		2 Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	831.30	21.39

08 12 16 00-0005 4-3/4" x 1-3/8" (08 12 16 00-0001)

08 12 16 00-0006	EA		2 Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	831.30	21.39
08 12 16 00-0007	EA		2 Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	831.30	21.39

08 13 Metal Doors (08 10)

Note: Includes machining for all hardware. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors (08 13)

08 13 13 13 Standard Hollow Metal Doors (08 13 13)

Note: Full flush, impregnated honeycomb core, epoxy baked-on primer.

08 13 13 13-0001 20 Gauge 1-3/4" Unrated Door (08 13 13 13)

08 13 13 13-0002 6'-8" High (08 13 13 13-0001)

08 13 13 13-0003	EA		2' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	312.02	21.39
			<i>For Type 304 Stainless Steel Door, Add</i>	217.52	
			<i>For Type 316 Stainless Steel Door, Add</i>	352.14	
			<i>For Embossed Panel, Add</i>	64.62	
			<i>For Galvanized Steel, Add</i>	40.38	
			<i>For Baked Enamel Finish, Add</i>	106.44	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-16.67	
			<i>For >100, Deduct</i>	-24.47	
			<i>For Insulated Door (Polystyrene Core), Add</i>	26.92	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	67.31	
08 13 13 13-0004	EA		2'-4" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	312.02	21.39
			<i>For Type 304 Stainless Steel Door, Add</i>	217.52	
			<i>For Type 316 Stainless Steel Door, Add</i>	352.14	
			<i>For Embossed Panel, Add</i>	64.62	
			<i>For Galvanized Steel, Add</i>	40.38	
			<i>For Baked Enamel Finish, Add</i>	106.44	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-16.67	
			<i>For >100, Deduct</i>	-24.47	
			<i>For Insulated Door (Polystyrene Core), Add</i>	26.92	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	67.31	
08 13 13 13-0005	EA		2'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	319.46	22.37
			<i>For Type 304 Stainless Steel Door, Add</i>	222.02	
			<i>For Type 316 Stainless Steel Door, Add</i>	359.39	
			<i>For Embossed Panel, Add</i>	65.94	
			<i>For Galvanized Steel, Add</i>	41.21	
			<i>For Baked Enamel Finish, Add</i>	109.26	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-17.09	
			<i>For >100, Deduct</i>	-25.08	
			<i>For Insulated Door (Polystyrene Core), Add</i>	27.47	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	68.68	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0006	EA 2'-8" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	323.56	22.37
	For Type 304 Stainless Steel Door, Add	225.30	
	For Type 316 Stainless Steel Door, Add	364.72	
	For Embossed Panel, Add	66.92	
	For Galvanized Steel, Add	41.82	
	For Baked Enamel Finish, Add	110.49	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-17.30	
	For >100, Deduct	-25.39	
	For Insulated Door (Polystyrene Core), Add	27.88	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	69.71	
08 13 13 13-0007	EA 2'-10" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	326.18	22.85
	For Type 304 Stainless Steel Door, Add	226.66	
	For Type 316 Stainless Steel Door, Add	366.90	
	For Embossed Panel, Add	67.31	
	For Galvanized Steel, Add	42.07	
	For Baked Enamel Finish, Add	111.57	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-17.45	
	For >100, Deduct	-25.61	
	For Insulated Door (Polystyrene Core), Add	28.05	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	70.12	
	For Seamless Edge (Welded), Add	35.06	
08 13 13 13-0008	EA 3' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	328.79	23.34
	For Type 304 Stainless Steel Door, Add	228.02	
	For Type 316 Stainless Steel Door, Add	369.08	
	For Embossed Panel, Add	67.71	
	For Galvanized Steel, Add	42.32	
	For Baked Enamel Finish, Add	112.64	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-17.61	
	For >100, Deduct	-25.83	
	For Insulated Door (Polystyrene Core), Add	28.21	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	70.53	
08 13 13 13-0009	EA 3'-4" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	350.12	23.34
	For Type 304 Stainless Steel Door, Add	245.09	
	For Type 316 Stainless Steel Door, Add	396.81	
	For Embossed Panel, Add	72.83	
	For Galvanized Steel, Add	45.52	
	For Baked Enamel Finish, Add	119.04	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-18.67	
	For >100, Deduct	-27.43	
	For Insulated Door (Polystyrene Core), Add	30.34	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	75.86	
08 13 13 13-0010	EA 3'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	360.27	24.31
	For Type 304 Stainless Steel Door, Add	251.74	
	For Type 316 Stainless Steel Door, Add	407.56	
	For Embossed Panel, Add	74.79	
	For Galvanized Steel, Add	46.75	
	For Baked Enamel Finish, Add	122.67	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-19.23	
	For >100, Deduct	-28.24	
	For Insulated Door (Polystyrene Core), Add	31.16	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	77.91	
08 13 13 13-0011	EA 4' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	396.95	26.26
	For Type 304 Stainless Steel Door, Add	278.18	
	For Type 316 Stainless Steel Door, Add	450.40	
	For Embossed Panel, Add	82.67	
	For Galvanized Steel, Add	51.67	
	For Baked Enamel Finish, Add	134.84	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-21.16	
	For >100, Deduct	-31.08	
	For Insulated Door (Polystyrene Core), Add	34.44	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	86.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0012	PR	Pair 2'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	634.46	42.49
			For Type 304 Stainless Steel Door, Add	443.83	
			For Type 316 Stainless Steel Door, Add	718.56	
			For Embossed Panel, Add	131.87	
			For Galvanized Steel, Add	82.42	
			For Baked Enamel Finish, Add	215.84	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-33.85	
			For >100, Deduct	-49.71	
			For Insulated Door (Polystyrene Core), Add	54.95	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	137.37	
08 13 13	13-0013	PR	Pair 2'-8" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	642.66	42.49
			For Type 304 Stainless Steel Door, Add	450.39	
			For Type 316 Stainless Steel Door, Add	729.22	
			For Embossed Panel, Add	133.84	
			For Galvanized Steel, Add	83.65	
			For Baked Enamel Finish, Add	218.30	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-34.26	
			For >100, Deduct	-50.32	
			For Insulated Door (Polystyrene Core), Add	55.77	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	139.42	
08 13 13	13-0014	PR	Pair 2'-10" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	636.80	37.93
			For Type 304 Stainless Steel Door, Add	452.55	
			For Type 316 Stainless Steel Door, Add	733.03	
			For Embossed Panel, Add	134.63	
			For Galvanized Steel, Add	84.14	
			For Baked Enamel Finish, Add	213.80	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-33.74	
			For >100, Deduct	-49.66	
			For Insulated Door (Polystyrene Core), Add	56.10	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	140.24	
			For Seamless Edge (Welded), Add	70.12	
08 13 13	13-0015	PR	Pair 3' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	652.91	44.35
			For Type 304 Stainless Steel Door, Add	455.82	
			For Type 316 Stainless Steel Door, Add	737.93	
			For Embossed Panel, Add	135.42	
			For Galvanized Steel, Add	84.63	
			For Baked Enamel Finish, Add	222.48	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-34.86	
			For >100, Deduct	-51.19	
			For Insulated Door (Polystyrene Core), Add	56.42	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	141.06	
08 13 13	13-0016	PR	Pair 3'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	715.66	46.19
			For Type 304 Stainless Steel Door, Add	503.24	
			For Type 316 Stainless Steel Door, Add	814.88	
			For Embossed Panel, Add	149.59	
			For Galvanized Steel, Add	93.49	
			For Baked Enamel Finish, Add	242.41	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-38.09	
			For >100, Deduct	-55.98	
			For Insulated Door (Polystyrene Core), Add	62.33	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	155.82	
08 13 13	13-0017	PR	Pair 4' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	788.66	49.88
			For Type 304 Stainless Steel Door, Add	556.09	
			For Type 316 Stainless Steel Door, Add	900.53	
			For Embossed Panel, Add	165.33	
			For Galvanized Steel, Add	103.33	
			For Baked Enamel Finish, Add	266.53	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-41.93	
			For >100, Deduct	-61.64	
			For Insulated Door (Polystyrene Core), Add	68.89	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	172.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0018		7' High (08 13 13 13-0001)		
08 13 13	13-0019	EA	2' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	319.07	21.39
			For Type 304 Stainless Steel Door, Add	223.16	
			For Type 316 Stainless Steel Door, Add	361.30	
			For Embossed Panel, Add	66.31	
			For Galvanized Steel, Add	41.44	
			For Baked Enamel Finish, Add	108.56	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-17.02	
			For >100, Deduct	-25.00	
			For Insulated Door (Polystyrene Core), Add	27.63	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	69.07	
08 13 13	13-0020	EA	2'-4" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	319.07	21.39
			For Type 304 Stainless Steel Door, Add	223.16	
			For Type 316 Stainless Steel Door, Add	361.30	
			For Embossed Panel, Add	66.31	
			For Galvanized Steel, Add	41.44	
			For Baked Enamel Finish, Add	108.56	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-17.02	
			For >100, Deduct	-25.00	
			For Insulated Door (Polystyrene Core), Add	27.63	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	69.07	
08 13 13	13-0021	EA	2'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	326.66	22.37
			For Type 304 Stainless Steel Door, Add	227.78	
			For Type 316 Stainless Steel Door, Add	368.75	
			For Embossed Panel, Add	67.66	
			For Galvanized Steel, Add	42.29	
			For Baked Enamel Finish, Add	111.42	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-17.45	
			For >100, Deduct	-25.62	
			For Insulated Door (Polystyrene Core), Add	28.19	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	70.48	
08 13 13	13-0022	EA	2'-8" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	330.87	22.37
			For Type 304 Stainless Steel Door, Add	231.15	
			For Type 316 Stainless Steel Door, Add	374.22	
			For Embossed Panel, Add	68.67	
			For Galvanized Steel, Add	42.92	
			For Baked Enamel Finish, Add	112.68	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-17.66	
			For >100, Deduct	-25.93	
			For Insulated Door (Polystyrene Core), Add	28.61	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	71.54	
08 13 13	13-0023	EA	2'-10" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	333.53	22.85
			For Type 304 Stainless Steel Door, Add	232.54	
			For Type 316 Stainless Steel Door, Add	376.45	
			For Embossed Panel, Add	69.08	
			For Galvanized Steel, Add	43.17	
			For Baked Enamel Finish, Add	113.77	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-17.82	
			For >100, Deduct	-26.16	
			For Insulated Door (Polystyrene Core), Add	28.78	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	71.96	
			For Seamless Edge (Welded), Add	35.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0024	EA		3' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	336.19	23.34
			<i>For Type 304 Stainless Steel Door, Add</i>	233.94	
			<i>For Type 316 Stainless Steel Door, Add</i>	378.70	
			<i>For Embossed Panel, Add</i>	69.48	
			<i>For Galvanized Steel, Add</i>	43.43	
			<i>For Baked Enamel Finish, Add</i>	114.86	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-17.98	
			<i>For >100, Deduct</i>	-26.38	
			<i>For Insulated Door (Polystyrene Core), Add</i>	28.95	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	72.38	
08 13 13 13-0025	EA		3'-4" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	358.07	23.34
			<i>For Type 304 Stainless Steel Door, Add</i>	251.45	
			<i>For Type 316 Stainless Steel Door, Add</i>	407.14	
			<i>For Embossed Panel, Add</i>	74.73	
			<i>For Galvanized Steel, Add</i>	46.71	
			<i>For Baked Enamel Finish, Add</i>	121.43	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-19.07	
			<i>For >100, Deduct</i>	-28.02	
			<i>For Insulated Door (Polystyrene Core), Add</i>	31.14	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	77.85	
08 13 13 13-0026	EA		3'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	368.43	24.31
			<i>For Type 304 Stainless Steel Door, Add</i>	258.27	
			<i>For Type 316 Stainless Steel Door, Add</i>	418.17	
			<i>For Embossed Panel, Add</i>	76.75	
			<i>For Galvanized Steel, Add</i>	47.97	
			<i>For Baked Enamel Finish, Add</i>	125.12	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-19.64	
			<i>For >100, Deduct</i>	-28.85	
			<i>For Insulated Door (Polystyrene Core), Add</i>	31.98	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	79.95	
08 13 13 13-0027	EA		4' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	405.98	26.26
			<i>For Type 304 Stainless Steel Door, Add</i>	285.40	
			<i>For Type 316 Stainless Steel Door, Add</i>	462.14	
			<i>For Embossed Panel, Add</i>	84.83	
			<i>For Galvanized Steel, Add</i>	53.02	
			<i>For Baked Enamel Finish, Add</i>	137.55	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-21.61	
			<i>For >100, Deduct</i>	-31.76	
			<i>For Insulated Door (Polystyrene Core), Add</i>	35.35	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	88.37	
08 13 13 13-0028	PR		Pair 2'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	648.85	42.49
			<i>For Type 304 Stainless Steel Door, Add</i>	455.34	
			<i>For Type 316 Stainless Steel Door, Add</i>	737.27	
			<i>For Embossed Panel, Add</i>	135.33	
			<i>For Galvanized Steel, Add</i>	84.58	
			<i>For Baked Enamel Finish, Add</i>	220.15	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-34.57	
			<i>For >100, Deduct</i>	-50.79	
			<i>For Insulated Door (Polystyrene Core), Add</i>	56.39	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	140.97	
08 13 13 13-0029	PR		Pair 2'-8" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	657.27	42.49
			<i>For Type 304 Stainless Steel Door, Add</i>	462.07	
			<i>For Type 316 Stainless Steel Door, Add</i>	748.21	
			<i>For Embossed Panel, Add</i>	137.35	
			<i>For Galvanized Steel, Add</i>	85.84	
			<i>For Baked Enamel Finish, Add</i>	222.68	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-34.99	
			<i>For >100, Deduct</i>	-51.42	
			<i>For Insulated Door (Polystyrene Core), Add</i>	57.23	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	143.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0030	PR		Pair 2'-10" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	651.50	37.93
			For Type 304 Stainless Steel Door, Add	464.31	
			For Type 316 Stainless Steel Door, Add	752.14	
			For Embossed Panel, Add	138.16	
			For Galvanized Steel, Add	86.35	
			For Baked Enamel Finish, Add	218.21	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-34.47	
			For >100, Deduct	-50.76	
			For Insulated Door (Polystyrene Core), Add	57.57	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	143.91	
			For Seamless Edge (Welded), Add	71.96	
08 13 13 13-0031	PR		Pair 3' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	667.69	44.35
			For Type 304 Stainless Steel Door, Add	467.64	
			For Type 316 Stainless Steel Door, Add	757.15	
			For Embossed Panel, Add	138.96	
			For Galvanized Steel, Add	86.85	
			For Baked Enamel Finish, Add	226.91	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-35.60	
			For >100, Deduct	-52.29	
			For Insulated Door (Polystyrene Core), Add	57.90	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	144.75	
08 13 13 13-0032	PR		Pair 3'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	731.99	46.19
			For Type 304 Stainless Steel Door, Add	516.31	
			For Type 316 Stainless Steel Door, Add	836.11	
			For Embossed Panel, Add	153.51	
			For Galvanized Steel, Add	95.94	
			For Baked Enamel Finish, Add	247.31	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-38.91	
			For >100, Deduct	-57.21	
			For Insulated Door (Polystyrene Core), Add	63.96	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	159.90	
08 13 13 13-0033	PR		Pair 4' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	806.71	49.88
			For Type 304 Stainless Steel Door, Add	570.53	
			For Type 316 Stainless Steel Door, Add	924.00	
			For Embossed Panel, Add	169.66	
			For Galvanized Steel, Add	106.04	
			For Baked Enamel Finish, Add	271.95	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-42.83	
			For >100, Deduct	-63.00	
			For Insulated Door (Polystyrene Core), Add	70.69	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	176.73	
08 13 13 13-0034			7'-2" High (08 13 13 13-0001)		
08 13 13 13-0035	EA		2' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	325.92	21.39
			For Type 304 Stainless Steel Door, Add	228.64	
			For Type 316 Stainless Steel Door, Add	370.21	
			For Embossed Panel, Add	67.95	
			For Galvanized Steel, Add	42.47	
			For Baked Enamel Finish, Add	110.61	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-17.37	
			For >100, Deduct	-25.51	
			For Insulated Door (Polystyrene Core), Add	28.31	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	70.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0036	EA	2'-4" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	325.92	21.39
			<i>For Type 304 Stainless Steel Door, Add</i>	228.64	
			<i>For Type 316 Stainless Steel Door, Add</i>	370.21	
			<i>For Embossed Panel, Add</i>	67.95	
			<i>For Galvanized Steel, Add</i>	42.47	
			<i>For Baked Enamel Finish, Add</i>	110.61	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-17.37	
			<i>For >100, Deduct</i>	-25.51	
			<i>For Insulated Door (Polystyrene Core), Add</i>	28.31	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	70.78	
08 13 13	13-0037	EA	2'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	333.65	22.37
			<i>For Type 304 Stainless Steel Door, Add</i>	233.37	
			<i>For Type 316 Stainless Steel Door, Add</i>	377.83	
			<i>For Embossed Panel, Add</i>	69.34	
			<i>For Galvanized Steel, Add</i>	43.34	
			<i>For Baked Enamel Finish, Add</i>	113.51	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-17.80	
			<i>For >100, Deduct</i>	-26.14	
			<i>For Insulated Door (Polystyrene Core), Add</i>	28.89	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	72.23	
08 13 13	13-0038	EA	2'-8" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	337.97	22.37
			<i>For Type 304 Stainless Steel Door, Add</i>	236.83	
			<i>For Type 316 Stainless Steel Door, Add</i>	383.45	
			<i>For Embossed Panel, Add</i>	70.38	
			<i>For Galvanized Steel, Add</i>	43.99	
			<i>For Baked Enamel Finish, Add</i>	114.81	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-18.02	
			<i>For >100, Deduct</i>	-26.47	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.32	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	73.31	
08 13 13	13-0039	EA	2'-10" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	340.67	22.85
			<i>For Type 304 Stainless Steel Door, Add</i>	238.25	
			<i>For Type 316 Stainless Steel Door, Add</i>	385.73	
			<i>For Embossed Panel, Add</i>	70.79	
			<i>For Galvanized Steel, Add</i>	44.24	
			<i>For Baked Enamel Finish, Add</i>	115.91	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-18.18	
			<i>For >100, Deduct</i>	-26.69	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.50	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	73.74	
			<i>For Seamless Edge (Welded), Add</i>	36.87	
08 13 13	13-0040	EA	3' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	343.36	23.34
			<i>For Type 304 Stainless Steel Door, Add</i>	239.68	
			<i>For Type 316 Stainless Steel Door, Add</i>	388.02	
			<i>For Embossed Panel, Add</i>	71.20	
			<i>For Galvanized Steel, Add</i>	44.50	
			<i>For Baked Enamel Finish, Add</i>	117.01	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-18.34	
			<i>For >100, Deduct</i>	-26.92	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.67	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	74.17	
08 13 13	13-0041	EA	3'-4" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	365.79	23.34
			<i>For Type 304 Stainless Steel Door, Add</i>	257.62	
			<i>For Type 316 Stainless Steel Door, Add</i>	417.18	
			<i>For Embossed Panel, Add</i>	76.59	
			<i>For Galvanized Steel, Add</i>	47.87	
			<i>For Baked Enamel Finish, Add</i>	123.74	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-19.46	
			<i>For >100, Deduct</i>	-28.60	
			<i>For Insulated Door (Polystyrene Core), Add</i>	31.91	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	79.78	


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0042	EA	3'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	376.36	24.31
		For Type 304 Stainless Steel Door, Add	264.62	
		For Type 316 Stainless Steel Door, Add	428.48	
		For Embossed Panel, Add	78.66	
		For Galvanized Steel, Add	49.16	
		For Baked Enamel Finish, Add	127.50	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-20.03	
		For >100, Deduct	-29.44	
		For Insulated Door (Polystyrene Core), Add	32.77	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	81.93	
08 13 13 13-0043	EA	4' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	414.74	26.26
		For Type 304 Stainless Steel Door, Add	292.41	
		For Type 316 Stainless Steel Door, Add	473.52	
		For Embossed Panel, Add	86.94	
		For Galvanized Steel, Add	54.33	
		For Baked Enamel Finish, Add	140.18	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-22.05	
		For >100, Deduct	-32.42	
		For Insulated Door (Polystyrene Core), Add	36.22	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	90.56	
08 13 13 13-0044	PR	Pair 2'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	662.84	42.49
		For Type 304 Stainless Steel Door, Add	466.53	
		For Type 316 Stainless Steel Door, Add	755.45	
		For Embossed Panel, Add	138.68	
		For Galvanized Steel, Add	86.68	
		For Baked Enamel Finish, Add	224.35	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-35.27	
		For >100, Deduct	-51.84	
		For Insulated Door (Polystyrene Core), Add	57.79	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	144.46	
08 13 13 13-0045	PR	Pair 2'-8" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	671.46	42.49
		For Type 304 Stainless Steel Door, Add	473.43	
		For Type 316 Stainless Steel Door, Add	766.66	
		For Embossed Panel, Add	140.75	
		For Galvanized Steel, Add	87.97	
		For Baked Enamel Finish, Add	226.94	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-35.70	
		For >100, Deduct	-52.48	
		For Insulated Door (Polystyrene Core), Add	58.65	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	146.62	
08 13 13 13-0046	PR	Pair 2'-10" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	665.77	37.93
		For Type 304 Stainless Steel Door, Add	475.73	
		For Type 316 Stainless Steel Door, Add	770.69	
		For Embossed Panel, Add	141.58	
		For Galvanized Steel, Add	88.49	
		For Baked Enamel Finish, Add	222.49	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-35.18	
		For >100, Deduct	-51.83	
		For Insulated Door (Polystyrene Core), Add	58.99	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	147.48	
		For Seamless Edge (Welded), Add	73.74	
08 13 13 13-0047	PR	Pair 3' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	682.05	44.35
		For Type 304 Stainless Steel Door, Add	479.13	
		For Type 316 Stainless Steel Door, Add	775.82	
		For Embossed Panel, Add	142.41	
		For Galvanized Steel, Add	89.01	
		For Baked Enamel Finish, Add	231.22	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-36.32	
		For >100, Deduct	-53.37	
		For Insulated Door (Polystyrene Core), Add	59.34	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	148.34	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0048	PR		Pair 3'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	747.85	46.19
			<i>For Type 304 Stainless Steel Door, Add</i>	529.00	
			<i>For Type 316 Stainless Steel Door, Add</i>	856.73	
			<i>For Embossed Panel, Add</i>	157.31	
			<i>For Galvanized Steel, Add</i>	98.32	
			<i>For Baked Enamel Finish, Add</i>	252.07	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-39.70	
			<i>For >100, Deduct</i>	-58.40	
			<i>For Insulated Door (Polystyrene Core), Add</i>	65.55	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	163.87	
08 13 13 13-0049	PR		Pair 4' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	824.24	49.88
			<i>For Type 304 Stainless Steel Door, Add</i>	584.56	
			<i>For Type 316 Stainless Steel Door, Add</i>	946.79	
			<i>For Embossed Panel, Add</i>	173.87	
			<i>For Galvanized Steel, Add</i>	108.67	
			<i>For Baked Enamel Finish, Add</i>	277.21	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-43.71	
			<i>For >100, Deduct</i>	-64.31	
			<i>For Insulated Door (Polystyrene Core), Add</i>	72.45	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	181.12	
08 13 13 13-0050			18 Gauge 1-3/4" Unrated Door (08 13 13 13)		
08 13 13 13-0051			6'-8" High (08 13 13 13-0050)		
08 13 13 13-0052	EA		2' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	333.80	21.39
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	58.20	
			<i>For Type 304 Stainless Steel Door, Add</i>	234.95	
			<i>For Type 316 Stainless Steel Door, Add</i>	380.45	
			<i>For Embossed Panel, Add</i>	69.84	
			<i>For Galvanized Steel, Add</i>	43.65	
			<i>For Baked Enamel Finish, Add</i>	112.98	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-17.76	
			<i>For >100, Deduct</i>	-26.10	
			<i>For 2" Thick Door, Add</i>	22.17	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.10	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	72.75	
08 13 13 13-0053	EA		2'-4" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	333.80	21.39
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	58.20	
			<i>For Type 304 Stainless Steel Door, Add</i>	234.95	
			<i>For Type 316 Stainless Steel Door, Add</i>	380.45	
			<i>For Embossed Panel, Add</i>	69.84	
			<i>For Galvanized Steel, Add</i>	43.65	
			<i>For Baked Enamel Finish, Add</i>	112.98	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-17.76	
			<i>For >100, Deduct</i>	-26.10	
			<i>For 2" Thick Door, Add</i>	22.17	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.10	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	72.75	
08 13 13 13-0054	EA		2'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	341.69	22.37
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	59.39	
			<i>For Type 304 Stainless Steel Door, Add</i>	239.80	
			<i>For Type 316 Stainless Steel Door, Add</i>	388.28	
			<i>For Embossed Panel, Add</i>	71.27	
			<i>For Galvanized Steel, Add</i>	44.54	
			<i>For Baked Enamel Finish, Add</i>	115.93	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-18.20	
			<i>For >100, Deduct</i>	-26.75	
			<i>For 2" Thick Door, Add</i>	22.65	
			<i>For Insulated Door (Polystyrene Core), Add</i>	29.70	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	74.24	

08 Openings**08 10 Doors And Frames****08 13 Metal Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0055	EA	2'-8" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	346.12	22.37
		For 18 Gauge, Grade II, Heavy Duty, Add	60.28	
		For Type 304 Stainless Steel Door, Add	243.35	
		For Type 316 Stainless Steel Door, Add	394.04	
		For Embossed Panel, Add	72.33	
		For Galvanized Steel, Add	45.21	
		For Baked Enamel Finish, Add	117.26	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-18.42	
		For >100, Deduct	-27.08	
		For 2" Thick Door, Add	22.97	
		For Insulated Door (Polystyrene Core), Add	30.14	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	75.35	
08 13 13 13-0056	EA	2'-10" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	348.87	22.85
		For 18 Gauge, Grade II, Heavy Duty, Add	60.63	
		For Type 304 Stainless Steel Door, Add	244.81	
		For Type 316 Stainless Steel Door, Add	396.39	
		For Embossed Panel, Add	72.76	
		For Galvanized Steel, Add	45.47	
		For Baked Enamel Finish, Add	118.37	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-18.59	
		For >100, Deduct	-27.31	
		For 2" Thick Door, Add	23.12	
		For Insulated Door (Polystyrene Core), Add	30.32	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	75.79	
		For Seamless Edge (Welded), Add	37.90	
		For Steel Stiffened, Add	75.79	
08 13 13 13-0057	EA	3' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	351.62	23.34
		For 18 Gauge, Grade II, Heavy Duty, Add	60.99	
		For Type 304 Stainless Steel Door, Add	246.29	
		For Type 316 Stainless Steel Door, Add	398.76	
		For Embossed Panel, Add	73.19	
		For Galvanized Steel, Add	45.74	
		For Baked Enamel Finish, Add	119.49	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-18.75	
		For >100, Deduct	-27.54	
		For 2" Thick Door, Add	23.28	
		For Insulated Door (Polystyrene Core), Add	30.49	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	76.24	
08 13 13 13-0058	EA	3'-4" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	374.67	23.34
		For 18 Gauge, Grade II, Heavy Duty, Add	65.60	
		For Type 304 Stainless Steel Door, Add	264.73	
		For Type 316 Stainless Steel Door, Add	428.72	
		For Embossed Panel, Add	78.72	
		For Galvanized Steel, Add	49.20	
		For Baked Enamel Finish, Add	126.41	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-19.90	
		For >100, Deduct	-29.27	
		For 2" Thick Door, Add	24.95	
		For Insulated Door (Polystyrene Core), Add	32.80	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	82.00	
08 13 13 13-0059	EA	3'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	385.48	24.31
		For 18 Gauge, Grade II, Heavy Duty, Add	67.37	
		For Type 304 Stainless Steel Door, Add	271.91	
		For Type 316 Stainless Steel Door, Add	440.34	
		For Embossed Panel, Add	80.84	
		For Galvanized Steel, Add	50.53	
		For Baked Enamel Finish, Add	130.23	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-20.49	
		For >100, Deduct	-30.13	
		For 2" Thick Door, Add	25.64	
		For Insulated Door (Polystyrene Core), Add	33.69	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	84.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0060	EA	4' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	424.82	26.26
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	74.46	
			<i>For Type 304 Stainless Steel Door, Add</i>	300.47	
			<i>For Type 316 Stainless Steel Door, Add</i>	486.63	
			<i>For Embossed Panel, Add</i>	89.35	
			<i>For Galvanized Steel, Add</i>	55.85	
			<i>For Baked Enamel Finish, Add</i>	143.20	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-22.55	
			<i>For >100, Deduct</i>	-33.17	
			<i>For 2" Thick Door, Add</i>	28.31	
			<i>For Insulated Door (Polystyrene Core), Add</i>	37.23	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	93.08	
08 13 13	13-0061	PR	Pair 2'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	678.91	42.99
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	118.78	
			<i>For Type 304 Stainless Steel Door, Add</i>	479.39	
			<i>For Type 316 Stainless Steel Door, Add</i>	776.35	
			<i>For Embossed Panel, Add</i>	142.54	
			<i>For Galvanized Steel, Add</i>	89.09	
			<i>For Baked Enamel Finish, Add</i>	229.17	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-36.07	
			<i>For >100, Deduct</i>	-53.04	
			<i>For 2" Thick Door, Add</i>	45.18	
			<i>For Insulated Door (Polystyrene Core), Add</i>	59.39	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	148.48	
08 13 13	13-0062	PR	Pair 2'-8" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	687.77	42.99
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	120.56	
			<i>For Type 304 Stainless Steel Door, Add</i>	486.47	
			<i>For Type 316 Stainless Steel Door, Add</i>	787.86	
			<i>For Embossed Panel, Add</i>	144.67	
			<i>For Galvanized Steel, Add</i>	90.42	
			<i>For Baked Enamel Finish, Add</i>	231.83	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-36.51	
			<i>For >100, Deduct</i>	-53.71	
			<i>For 2" Thick Door, Add</i>	45.83	
			<i>For Insulated Door (Polystyrene Core), Add</i>	60.28	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	150.70	
08 13 13	13-0063	PR	Pair 2'-10" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	682.18	37.93
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	121.27	
			<i>For Type 304 Stainless Steel Door, Add</i>	488.86	
			<i>For Type 316 Stainless Steel Door, Add</i>	792.02	
			<i>For Embossed Panel, Add</i>	145.52	
			<i>For Galvanized Steel, Add</i>	90.95	
			<i>For Baked Enamel Finish, Add</i>	227.41	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-36.01	
			<i>For >100, Deduct</i>	-53.06	
			<i>For 2" Thick Door, Add</i>	45.86	
			<i>For Insulated Door (Polystyrene Core), Add</i>	60.63	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	151.58	
			<i>For Seamless Edge (Welded), Add</i>	75.79	
			<i>For Steel Stiffened, Add</i>	151.58	
08 13 13	13-0064	PR	Pair 3' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	698.55	44.35
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	121.97	
			<i>For Type 304 Stainless Steel Door, Add</i>	492.33	
			<i>For Type 316 Stainless Steel Door, Add</i>	797.27	
			<i>For Embossed Panel, Add</i>	146.37	
			<i>For Galvanized Steel, Add</i>	91.48	
			<i>For Baked Enamel Finish, Add</i>	236.17	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-37.14	
			<i>For >100, Deduct</i>	-54.61	
			<i>For 2" Thick Door, Add</i>	46.43	
			<i>For Insulated Door (Polystyrene Core), Add</i>	60.99	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	152.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0065	PR		Pair 3'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	766.08	46.19
			For 18 Gauge, Grade II, Heavy Duty, Add	134.74	
			For Type 304 Stainless Steel Door, Add	543.58	
			For Type 316 Stainless Steel Door, Add	880.43	
			For Embossed Panel, Add	161.69	
			For Galvanized Steel, Add	101.06	
			For Baked Enamel Finish, Add	257.54	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-40.61	
			For >100, Deduct	-59.77	
			For 2" Thick Door, Add	51.15	
			For Insulated Door (Polystyrene Core), Add	67.37	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	168.43	
08 13 13 13-0066	PR		Pair 4' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	844.39	49.88
			For 18 Gauge, Grade II, Heavy Duty, Add	148.92	
			For Type 304 Stainless Steel Door, Add	600.68	
			For Type 316 Stainless Steel Door, Add	972.98	
			For Embossed Panel, Add	178.71	
			For Galvanized Steel, Add	111.69	
			For Baked Enamel Finish, Add	283.25	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-44.71	
			For >100, Deduct	-65.82	
			For 2" Thick Door, Add	56.48	
			For Insulated Door (Polystyrene Core), Add	74.46	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	186.15	
08 13 13 13-0067			7' High (08 13 13 13-0060)		
08 13 13 13-0068	EA		2' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	340.70	21.39
			For 18 Gauge, Grade II, Heavy Duty, Add	59.58	
			For Type 304 Stainless Steel Door, Add	240.47	
			For Type 316 Stainless Steel Door, Add	389.42	
			For Embossed Panel, Add	71.50	
			For Galvanized Steel, Add	44.69	
			For Baked Enamel Finish, Add	115.05	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-18.10	
			For >100, Deduct	-26.62	
			For 2" Thick Door, Add	22.67	
			For Insulated Door (Polystyrene Core), Add	29.79	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	74.48	
08 13 13 13-0069	EA		2'-4" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	340.70	21.39
			For 18 Gauge, Grade II, Heavy Duty, Add	59.58	
			For Type 304 Stainless Steel Door, Add	240.47	
			For Type 316 Stainless Steel Door, Add	389.42	
			For Embossed Panel, Add	71.50	
			For Galvanized Steel, Add	44.69	
			For Baked Enamel Finish, Add	115.05	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-18.10	
			For >100, Deduct	-26.62	
			For 2" Thick Door, Add	22.67	
			For Insulated Door (Polystyrene Core), Add	29.79	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	74.48	
08 13 13 13-0070	EA		2'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	348.74	22.37
			For 18 Gauge, Grade II, Heavy Duty, Add	60.80	
			For Type 304 Stainless Steel Door, Add	245.44	
			For Type 316 Stainless Steel Door, Add	397.45	
			For Embossed Panel, Add	72.96	
			For Galvanized Steel, Add	45.60	
			For Baked Enamel Finish, Add	118.04	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-18.56	
			For >100, Deduct	-27.27	
			For 2" Thick Door, Add	23.16	
			For Insulated Door (Polystyrene Core), Add	30.40	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	76.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0071	EA		2'-8" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	353.27	22.37
			For 18 Gauge, Grade II, Heavy Duty, Add	61.71	
			For Type 304 Stainless Steel Door, Add	249.07	
			For Type 316 Stainless Steel Door, Add	403.34	
			For Embossed Panel, Add	74.05	
			For Galvanized Steel, Add	46.28	
			For Baked Enamel Finish, Add	119.40	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-18.78	
			For >100, Deduct	-27.61	
			For 2" Thick Door, Add	23.49	
			For Insulated Door (Polystyrene Core), Add	30.85	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	77.14	
08 13 13 13-0072	EA		2'-10" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	356.07	22.85
			For 18 Gauge, Grade II, Heavy Duty, Add	62.07	
			For Type 304 Stainless Steel Door, Add	250.57	
			For Type 316 Stainless Steel Door, Add	405.75	
			For Embossed Panel, Add	74.49	
			For Galvanized Steel, Add	46.55	
			For Baked Enamel Finish, Add	120.53	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-18.95	
			For >100, Deduct	-27.85	
			For 2" Thick Door, Add	23.64	
			For Insulated Door (Polystyrene Core), Add	31.04	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	77.59	
			For Seamless Edge (Welded), Add	38.80	
			For Steel Stiffened, Add	77.59	
08 13 13 13-0073	EA		3' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	358.85	23.34
			For 18 Gauge, Grade II, Heavy Duty, Add	62.43	
			For Type 304 Stainless Steel Door, Add	252.07	
			For Type 316 Stainless Steel Door, Add	408.16	
			For Embossed Panel, Add	74.92	
			For Galvanized Steel, Add	46.83	
			For Baked Enamel Finish, Add	121.66	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-19.11	
			For >100, Deduct	-28.08	
			For 2" Thick Door, Add	23.80	
			For Insulated Door (Polystyrene Core), Add	31.22	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	78.04	
08 13 13 13-0074	EA		3'-4" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	382.45	23.34
			For 18 Gauge, Grade II, Heavy Duty, Add	67.15	
			For Type 304 Stainless Steel Door, Add	270.95	
			For Type 316 Stainless Steel Door, Add	438.84	
			For Embossed Panel, Add	80.58	
			For Galvanized Steel, Add	50.37	
			For Baked Enamel Finish, Add	128.74	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-20.29	
			For >100, Deduct	-29.85	
			For 2" Thick Door, Add	25.51	
			For Insulated Door (Polystyrene Core), Add	33.58	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	83.94	
08 13 13 13-0075	EA		3'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	393.47	24.31
			For 18 Gauge, Grade II, Heavy Duty, Add	68.97	
			For Type 304 Stainless Steel Door, Add	278.30	
			For Type 316 Stainless Steel Door, Add	450.72	
			For Embossed Panel, Add	82.76	
			For Galvanized Steel, Add	51.73	
			For Baked Enamel Finish, Add	132.63	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-20.89	
			For >100, Deduct	-30.73	
			For 2" Thick Door, Add	26.22	
			For Insulated Door (Polystyrene Core), Add	34.48	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	86.21	

08 Openings

08 10 Doors And Frames

08 13 Metal Doors


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0076	EA	4' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	433.65	26.26
		For 18 Gauge, Grade II, Heavy Duty, Add	76.23	
		For Type 304 Stainless Steel Door, Add	307.54	
		For Type 316 Stainless Steel Door, Add	498.11	
		For Embossed Panel, Add	91.47	
		For Galvanized Steel, Add	57.17	
		For Baked Enamel Finish, Add	145.85	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-23.00	
		For >100, Deduct	-33.84	
		For 2" Thick Door, Add	28.95	
		For Insulated Door (Polystyrene Core), Add	38.11	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	95.29	
08 13 13 13-0077	PR	Pair 2'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	693.00	42.49
		For 18 Gauge, Grade II, Heavy Duty, Add	121.60	
		For Type 304 Stainless Steel Door, Add	490.66	
		For Type 316 Stainless Steel Door, Add	794.66	
		For Embossed Panel, Add	145.92	
		For Galvanized Steel, Add	91.20	
		For Baked Enamel Finish, Add	233.40	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-36.77	
		For >100, Deduct	-54.10	
		For 2" Thick Door, Add	46.21	
		For Insulated Door (Polystyrene Core), Add	60.80	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	152.00	
08 13 13 13-0078	PR	Pair 2'-8" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	702.08	42.49
		For 18 Gauge, Grade II, Heavy Duty, Add	123.42	
		For Type 304 Stainless Steel Door, Add	497.92	
		For Type 316 Stainless Steel Door, Add	806.47	
		For Embossed Panel, Add	148.10	
		For Galvanized Steel, Add	92.56	
		For Baked Enamel Finish, Add	236.12	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-37.23	
		For >100, Deduct	-54.78	
		For 2" Thick Door, Add	46.86	
		For Insulated Door (Polystyrene Core), Add	61.71	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	154.27	
08 13 13 13-0079	PR	Pair 2'-10" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	696.57	37.93
		For 18 Gauge, Grade II, Heavy Duty, Add	124.14	
		For Type 304 Stainless Steel Door, Add	500.37	
		For Type 316 Stainless Steel Door, Add	810.73	
		For Embossed Panel, Add	148.97	
		For Galvanized Steel, Add	93.11	
		For Baked Enamel Finish, Add	231.73	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-36.72	
		For >100, Deduct	-54.14	
		For 2" Thick Door, Add	46.90	
		For Insulated Door (Polystyrene Core), Add	62.07	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	155.18	
		For Seamless Edge (Welded), Add	77.59	
		For Steel Stiffened, Add	155.18	
08 13 13 13-0080	PR	Pair 3' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	713.03	44.35
		For 18 Gauge, Grade II, Heavy Duty, Add	124.87	
		For Type 304 Stainless Steel Door, Add	503.91	
		For Type 316 Stainless Steel Door, Add	816.09	
		For Embossed Panel, Add	149.84	
		For Galvanized Steel, Add	93.65	
		For Baked Enamel Finish, Add	240.51	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-37.87	
		For >100, Deduct	-55.69	
		For 2" Thick Door, Add	47.48	
		For Insulated Door (Polystyrene Core), Add	62.44	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	156.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0081	PR		Pair 3'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	782.07	46.19
			For 18 Gauge, Grade II, Heavy Duty, Add	137.94	
			For Type 304 Stainless Steel Door, Add	556.37	
			For Type 316 Stainless Steel Door, Add	901.22	
			For Embossed Panel, Add	165.53	
			For Galvanized Steel, Add	103.45	
			For Baked Enamel Finish, Add	262.34	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-41.41	
			For >100, Deduct	-60.96	
			For 2" Thick Door, Add	52.31	
			For Insulated Door (Polystyrene Core), Add	68.97	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	172.42	
08 13 13 13-0082	PR		Pair 4' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	862.07	49.88
			For 18 Gauge, Grade II, Heavy Duty, Add	152.46	
			For Type 304 Stainless Steel Door, Add	614.82	
			For Type 316 Stainless Steel Door, Add	995.97	
			For Embossed Panel, Add	182.95	
			For Galvanized Steel, Add	114.34	
			For Baked Enamel Finish, Add	288.56	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-45.60	
			For >100, Deduct	-67.15	
			For 2" Thick Door, Add	57.76	
			For Insulated Door (Polystyrene Core), Add	76.23	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	190.57	
08 13 13 13-0083			7'-2" High (08 13 13 13-0050)		
08 13 13 13-0084	EA		2' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	347.61	21.39
			For 18 Gauge, Grade II, Heavy Duty, Add	60.96	
			For Type 304 Stainless Steel Door, Add	246.00	
			For Type 316 Stainless Steel Door, Add	398.41	
			For Embossed Panel, Add	73.16	
			For Galvanized Steel, Add	45.72	
			For Baked Enamel Finish, Add	117.12	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-18.45	
			For >100, Deduct	-27.14	
			For 2" Thick Door, Add	23.17	
			For Insulated Door (Polystyrene Core), Add	30.48	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	76.21	
08 13 13 13-0085	EA		2'-4" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	347.61	21.39
			For 18 Gauge, Grade II, Heavy Duty, Add	60.96	
			For Type 304 Stainless Steel Door, Add	246.00	
			For Type 316 Stainless Steel Door, Add	398.41	
			For Embossed Panel, Add	73.16	
			For Galvanized Steel, Add	45.72	
			For Baked Enamel Finish, Add	117.12	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-18.45	
			For >100, Deduct	-27.14	
			For 2" Thick Door, Add	23.17	
			For Insulated Door (Polystyrene Core), Add	30.48	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	76.21	
08 13 13 13-0086	EA		2'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	355.79	22.37
			For 18 Gauge, Grade II, Heavy Duty, Add	62.21	
			For Type 304 Stainless Steel Door, Add	251.08	
			For Type 316 Stainless Steel Door, Add	406.61	
			For Embossed Panel, Add	74.65	
			For Galvanized Steel, Add	46.66	
			For Baked Enamel Finish, Add	120.16	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-18.91	
			For >100, Deduct	-27.80	
			For 2" Thick Door, Add	23.67	
			For Insulated Door (Polystyrene Core), Add	31.11	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	77.77	

08 Openings

08 10 Doors And Frames

08 13 Metal Doors


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0087	EA	2'-8" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	360.43	22.37
		For 18 Gauge, Grade II, Heavy Duty, Add	63.14	
		For Type 304 Stainless Steel Door, Add	254.80	
		For Type 316 Stainless Steel Door, Add	412.65	
		For Embossed Panel, Add	75.77	
		For Galvanized Steel, Add	47.36	
		For Baked Enamel Finish, Add	121.55	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-19.14	
		For >100, Deduct	-28.15	
		For 2" Thick Door, Add	24.01	
		For Insulated Door (Polystyrene Core), Add	31.57	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	78.93	
08 13 13 13-0088	EA	3' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	366.09	23.34
		For 18 Gauge, Grade II, Heavy Duty, Add	63.88	
		For Type 304 Stainless Steel Door, Add	257.86	
		For Type 316 Stainless Steel Door, Add	417.57	
		For Embossed Panel, Add	76.66	
		For Galvanized Steel, Add	47.91	
		For Baked Enamel Finish, Add	123.83	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-19.47	
		For >100, Deduct	-28.62	
		For 2" Thick Door, Add	24.32	
		For Insulated Door (Polystyrene Core), Add	31.94	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	79.85	
08 13 13 13-0089	EA	3'-4" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	390.23	23.34
		For 18 Gauge, Grade II, Heavy Duty, Add	68.71	
		For Type 304 Stainless Steel Door, Add	277.17	
		For Type 316 Stainless Steel Door, Add	448.95	
		For Embossed Panel, Add	82.45	
		For Galvanized Steel, Add	51.53	
		For Baked Enamel Finish, Add	131.07	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-20.68	
		For >100, Deduct	-30.43	
		For 2" Thick Door, Add	26.07	
		For Insulated Door (Polystyrene Core), Add	34.36	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	85.89	
08 13 13 13-0090	EA	3'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	401.47	24.31
		For 18 Gauge, Grade II, Heavy Duty, Add	70.57	
		For Type 304 Stainless Steel Door, Add	284.70	
		For Type 316 Stainless Steel Door, Add	461.12	
		For Embossed Panel, Add	84.68	
		For Galvanized Steel, Add	52.93	
		For Baked Enamel Finish, Add	135.03	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-21.29	
		For >100, Deduct	-31.33	
		For 2" Thick Door, Add	26.80	
		For Insulated Door (Polystyrene Core), Add	35.28	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	88.21	
08 13 13 13-0091	EA	4' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	442.49	26.26
		For 18 Gauge, Grade II, Heavy Duty, Add	78.00	
		For Type 304 Stainless Steel Door, Add	314.61	
		For Type 316 Stainless Steel Door, Add	509.60	
		For Embossed Panel, Add	93.60	
		For Galvanized Steel, Add	58.50	
		For Baked Enamel Finish, Add	148.50	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-23.44	
		For >100, Deduct	-34.50	
		For 2" Thick Door, Add	29.59	
		For Insulated Door (Polystyrene Core), Add	39.00	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	97.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0092	PR		Pair 2'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	707.10	42.49
			For 18 Gauge, Grade II, Heavy Duty, Add	124.42	
			For Type 304 Stainless Steel Door, Add	501.94	
			For Type 316 Stainless Steel Door, Add	812.99	
			For Embossed Panel, Add	149.31	
			For Galvanized Steel, Add	93.32	
			For Baked Enamel Finish, Add	237.63	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-37.48	
			For >100, Deduct	-55.16	
			For 2" Thick Door, Add	47.23	
			For Insulated Door (Polystyrene Core), Add	62.21	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	155.53	
08 13 13 13-0093	PR		Pair 2'-8" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	716.39	42.49
			For 18 Gauge, Grade II, Heavy Duty, Add	126.28	
			For Type 304 Stainless Steel Door, Add	509.37	
			For Type 316 Stainless Steel Door, Add	825.07	
			For Embossed Panel, Add	151.54	
			For Galvanized Steel, Add	94.71	
			For Baked Enamel Finish, Add	240.41	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-37.94	
			For >100, Deduct	-55.85	
			For 2" Thick Door, Add	47.90	
			For Insulated Door (Polystyrene Core), Add	63.14	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	157.85	
08 13 13 13-0094	PR		Pair 2'-10" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	710.96	37.93
			For 18 Gauge, Grade II, Heavy Duty, Add	127.02	
			For Type 304 Stainless Steel Door, Add	511.88	
			For Type 316 Stainless Steel Door, Add	829.44	
			For Embossed Panel, Add	152.43	
			For Galvanized Steel, Add	95.27	
			For Baked Enamel Finish, Add	236.04	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-37.44	
			For >100, Deduct	-55.22	
			For 2" Thick Door, Add	47.94	
			For Insulated Door (Polystyrene Core), Add	63.51	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	158.78	
			For Seamless Edge (Welded), Add	79.39	
			For Steel Stiffened, Add	158.78	
08 13 13 13-0095	PR		Pair 3' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	727.50	44.35
			For 18 Gauge, Grade II, Heavy Duty, Add	127.76	
			For Type 304 Stainless Steel Door, Add	515.49	
			For Type 316 Stainless Steel Door, Add	834.90	
			For Embossed Panel, Add	153.32	
			For Galvanized Steel, Add	95.82	
			For Baked Enamel Finish, Add	244.85	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-38.59	
			For >100, Deduct	-56.78	
			For 2" Thick Door, Add	48.53	
			For Insulated Door (Polystyrene Core), Add	63.88	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	159.71	
08 13 13 13-0096	PR		Pair 3'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	798.06	46.19
			For 18 Gauge, Grade II, Heavy Duty, Add	141.14	
			For Type 304 Stainless Steel Door, Add	569.16	
			For Type 316 Stainless Steel Door, Add	922.00	
			For Embossed Panel, Add	169.36	
			For Galvanized Steel, Add	105.85	
			For Baked Enamel Finish, Add	267.13	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-42.21	
			For >100, Deduct	-62.16	
			For 2" Thick Door, Add	53.47	
			For Insulated Door (Polystyrene Core), Add	70.57	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	176.42	

08 Openings**08 10 Doors And Frames****08 13 Metal Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0097	PR	Pair 4' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	879.74	49.88
		<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	155.99	
		<i>For Type 304 Stainless Steel Door, Add</i>	628.96	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,018.94	
		<i>For Embossed Panel, Add</i>	187.19	
		<i>For Galvanized Steel, Add</i>	116.99	
		<i>For Baked Enamel Finish, Add</i>	293.86	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-46.48	
		<i>For >100, Deduct</i>	-68.48	
		<i>For 2" Thick Door, Add</i>	59.04	
		<i>For Insulated Door (Polystyrene Core), Add</i>	78.00	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	194.99	

08 13 13 13-0098 8' High (08 13 13 13-0050)

08 13 13 13-0099	EA	2' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	404.58	21.39
		<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	72.36	
		<i>For Up To 1' Extra Height, Add</i>	100.11	
		<i>For 1' To 1'-6" Extra Height, Add</i>	190.99	
		<i>For Type 304 Stainless Steel Door, Add</i>	291.57	
		<i>For Type 316 Stainless Steel Door, Add</i>	472.47	
		<i>For Embossed Panel, Add</i>	86.83	
		<i>For Galvanized Steel, Add</i>	54.27	
		<i>For Baked Enamel Finish, Add</i>	134.21	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-21.30	
		<i>For >100, Deduct</i>	-31.41	
		<i>For 2" Thick Door, Add</i>	27.30	
		<i>For Insulated Door (Polystyrene Core), Add</i>	36.18	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	90.45	
08 13 13 13-0100	EA	2'-4" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	404.58	21.39
		<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	72.36	
		<i>For Up To 1' Extra Height, Add</i>	100.11	
		<i>For 1' To 1'-6" Extra Height, Add</i>	190.99	
		<i>For Type 304 Stainless Steel Door, Add</i>	291.57	
		<i>For Type 316 Stainless Steel Door, Add</i>	472.47	
		<i>For Embossed Panel, Add</i>	86.83	
		<i>For Galvanized Steel, Add</i>	54.27	
		<i>For Baked Enamel Finish, Add</i>	134.21	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-21.30	
		<i>For >100, Deduct</i>	-31.41	
		<i>For 2" Thick Door, Add</i>	27.30	
		<i>For Insulated Door (Polystyrene Core), Add</i>	36.18	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	90.45	
08 13 13 13-0101	EA	2'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	413.92	22.37
		<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	73.84	
		<i>For Up To 1' Extra Height, Add</i>	102.15	
		<i>For 1' To 1'-6" Extra Height, Add</i>	194.90	
		<i>For Type 304 Stainless Steel Door, Add</i>	297.59	
		<i>For Type 316 Stainless Steel Door, Add</i>	482.18	
		<i>For Embossed Panel, Add</i>	88.61	
		<i>For Galvanized Steel, Add</i>	55.38	
		<i>For Baked Enamel Finish, Add</i>	137.60	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-21.81	
		<i>For >100, Deduct</i>	-32.16	
		<i>For 2" Thick Door, Add</i>	27.88	
		<i>For Insulated Door (Polystyrene Core), Add</i>	36.92	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	92.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0102	EA		2'-8" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	419.43	22.37
			For 18 Gauge, Grade II, Heavy Duty, Add	74.94	
			For Up To 1' Extra Height, Add	103.68	
			For 1' To 1'-6" Extra Height, Add	197.80	
			For Type 304 Stainless Steel Door, Add	302.00	
			For Type 316 Stainless Steel Door, Add	489.35	
			For Embossed Panel, Add	89.93	
			For Galvanized Steel, Add	56.21	
			For Baked Enamel Finish, Add	139.25	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-22.09	
			For >100, Deduct	-32.58	
			For 2" Thick Door, Add	28.28	
			For Insulated Door (Polystyrene Core), Add	37.47	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	93.68	
08 13 13 13-0103	EA		2'-10" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	422.61	22.85
			For 18 Gauge, Grade II, Heavy Duty, Add	75.38	
			For Up To 1' Extra Height, Add	104.29	
			For 1' To 1'-6" Extra Height, Add	198.97	
			For Type 304 Stainless Steel Door, Add	303.81	
			For Type 316 Stainless Steel Door, Add	492.26	
			For Embossed Panel, Add	90.46	
			For Galvanized Steel, Add	56.54	
			For Baked Enamel Finish, Add	140.50	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-22.27	
			For >100, Deduct	-32.84	
			For 2" Thick Door, Add	28.47	
			For Insulated Door (Polystyrene Core), Add	37.69	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	94.23	
			For Seamless Edge (Welded), Add	47.11	
			For Steel Stiffened, Add	94.23	
08 13 13 13-0104	EA		3' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	425.79	23.34
			For 18 Gauge, Grade II, Heavy Duty, Add	75.82	
			For Up To 1' Extra Height, Add	104.90	
			For 1' To 1'-6" Extra Height, Add	200.13	
			For Type 304 Stainless Steel Door, Add	305.62	
			For Type 316 Stainless Steel Door, Add	495.18	
			For Embossed Panel, Add	90.99	
			For Galvanized Steel, Add	56.87	
			For Baked Enamel Finish, Add	141.74	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-22.46	
			For >100, Deduct	-33.10	
			For 2" Thick Door, Add	28.65	
			For Insulated Door (Polystyrene Core), Add	37.91	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	94.78	
08 13 13 13-0105	EA		3'-4" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	454.44	23.34
			For 18 Gauge, Grade II, Heavy Duty, Add	81.55	
			For Up To 1' Extra Height, Add	112.83	
			For 1' To 1'-6" Extra Height, Add	215.26	
			For Type 304 Stainless Steel Door, Add	328.54	
			For Type 316 Stainless Steel Door, Add	532.42	
			For Embossed Panel, Add	97.86	
			For Galvanized Steel, Add	61.16	
			For Baked Enamel Finish, Add	150.34	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-23.89	
			For >100, Deduct	-35.25	
			For 2" Thick Door, Add	30.73	
			For Insulated Door (Polystyrene Core), Add	40.78	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	101.94	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0106	EA	3'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	467.41	24.31
		For 18 Gauge, Grade II, Heavy Duty, Add	83.76	
		For Up To 1' Extra Height, Add	115.88	
		For 1' To 1'-6" Extra Height, Add	221.07	
		For Type 304 Stainless Steel Door, Add	337.46	
		For Type 316 Stainless Steel Door, Add	546.85	
		For Embossed Panel, Add	100.51	
		For Galvanized Steel, Add	62.82	
		For Baked Enamel Finish, Add	154.81	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-24.59	
		For >100, Deduct	-36.27	
		For 2" Thick Door, Add	31.58	
		For Insulated Door (Polystyrene Core), Add	41.88	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	104.70	
08 13 13 13-0107	EA	4' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	515.37	26.26
		For 18 Gauge, Grade II, Heavy Duty, Add	92.57	
		For Up To 1' Extra Height, Add	128.07	
		For 1' To 1'-6" Extra Height, Add	244.34	
		For Type 304 Stainless Steel Door, Add	372.91	
		For Type 316 Stainless Steel Door, Add	604.34	
		For Embossed Panel, Add	111.09	
		For Galvanized Steel, Add	69.43	
		For Baked Enamel Finish, Add	170.36	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-27.08	
		For >100, Deduct	-39.97	
		For 2" Thick Door, Add	34.87	
		For Insulated Door (Polystyrene Core), Add	46.29	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	115.72	
08 13 13 13-0108	PR	Pair 2'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	823.37	42.49
		For 18 Gauge, Grade II, Heavy Duty, Add	147.68	
		For Up To 1' Extra Height, Add	204.31	
		For 1' To 1'-6" Extra Height, Add	389.79	
		For Type 304 Stainless Steel Door, Add	594.95	
		For Type 316 Stainless Steel Door, Add	964.14	
		For Embossed Panel, Add	177.21	
		For Galvanized Steel, Add	110.76	
		For Baked Enamel Finish, Add	272.51	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-43.29	
		For >100, Deduct	-63.88	
		For 2" Thick Door, Add	55.66	
		For Insulated Door (Polystyrene Core), Add	73.84	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	184.60	
08 13 13 13-0109	PR	Pair 2'-8" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	834.39	42.49
		For 18 Gauge, Grade II, Heavy Duty, Add	149.88	
		For Up To 1' Extra Height, Add	207.36	
		For 1' To 1'-6" Extra Height, Add	395.61	
		For Type 304 Stainless Steel Door, Add	603.77	
		For Type 316 Stainless Steel Door, Add	978.47	
		For Embossed Panel, Add	179.86	
		For Galvanized Steel, Add	112.41	
		For Baked Enamel Finish, Add	275.81	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-43.84	
		For >100, Deduct	-64.70	
		For 2" Thick Door, Add	56.46	
		For Insulated Door (Polystyrene Core), Add	74.94	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	187.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0110	PR	Pair 2'-10" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	829.66	37.93
			For 18 Gauge, Grade II, Heavy Duty, Add	150.76	
			For Up To 1' Extra Height, Add	208.58	
			For 1' To 1'-6" Extra Height, Add	397.94	
			For Type 304 Stainless Steel Door, Add	606.84	
			For Type 316 Stainless Steel Door, Add	983.75	
			For Embossed Panel, Add	180.91	
			For Galvanized Steel, Add	113.07	
			For Baked Enamel Finish, Add	271.65	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-43.38	
			For >100, Deduct	-64.12	
			For 2" Thick Door, Add	56.55	
			For Insulated Door (Polystyrene Core), Add	75.38	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	188.45	
			For Seamless Edge (Welded), Add	94.23	
			For Steel Stiffened, Add	188.45	
08 13 13	13-0111	PR	Pair 3' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	846.90	44.35
			For 18 Gauge, Grade II, Heavy Duty, Add	151.64	
			For Up To 1' Extra Height, Add	209.80	
			For 1' To 1'-6" Extra Height, Add	400.26	
			For Type 304 Stainless Steel Door, Add	611.01	
			For Type 316 Stainless Steel Door, Add	990.12	
			For Embossed Panel, Add	181.97	
			For Galvanized Steel, Add	113.73	
			For Baked Enamel Finish, Add	280.67	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-44.56	
			For >100, Deduct	-65.73	
			For 2" Thick Door, Add	57.19	
			For Insulated Door (Polystyrene Core), Add	75.82	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	189.56	
08 13 13	13-0112	PR	Pair 3'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	929.94	46.19
			For 18 Gauge, Grade II, Heavy Duty, Add	167.51	
			For Up To 1' Extra Height, Add	231.75	
			For 1' To 1'-6" Extra Height, Add	442.15	
			For Type 304 Stainless Steel Door, Add	674.67	
			For Type 316 Stainless Steel Door, Add	1,093.45	
			For Embossed Panel, Add	201.01	
			For Galvanized Steel, Add	125.63	
			For Baked Enamel Finish, Add	306.70	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-48.81	
			For >100, Deduct	-72.06	
			For 2" Thick Door, Add	63.03	
			For Insulated Door (Polystyrene Core), Add	83.76	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	209.39	
08 13 13	13-0113	PR	Pair 4' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	1,025.51	49.88
			For Type 304 Stainless Steel Door, Add	745.57	
			For Type 316 Stainless Steel Door, Add	1,208.44	
			For Embossed Panel, Add	222.18	
			For Galvanized Steel, Add	138.86	
			For Baked Enamel Finish, Add	337.59	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-53.77	
			For >100, Deduct	-79.41	
			For 2" Thick Door, Add	69.61	
			For Insulated Door (Polystyrene Core), Add	92.57	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	231.43	
08 13 13	13-0114		16 Gauge 1-3/4" Unrated Door (08 13 13)		
08 13 13	13-0115		6'-8" High (08 13 13-0114)		


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0116	EA	2' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	445.84	21.39
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	120.92	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	161.22	
		For Type 304 Stainless Steel Door, Add	324.58	
		For Type 316 Stainless Steel Door, Add	526.10	
		For Embossed Panel, Add	96.73	
		For Galvanized Steel, Add	60.46	
		For Baked Enamel Finish, Add	146.59	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-23.36	
		For >100, Deduct	-34.51	
		For 2" Thick Door, Add	30.29	
		For Insulated Door (Polystyrene Core), Add	40.31	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	100.76	
08 13 13 13-0117	EA	2'-4" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	445.84	21.39
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	120.92	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	161.22	
		For Type 304 Stainless Steel Door, Add	324.58	
		For Type 316 Stainless Steel Door, Add	526.10	
		For Embossed Panel, Add	96.73	
		For Galvanized Steel, Add	60.46	
		For Baked Enamel Finish, Add	146.59	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-23.36	
		For >100, Deduct	-34.51	
		For 2" Thick Door, Add	30.29	
		For Insulated Door (Polystyrene Core), Add	40.31	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	100.76	
08 13 13 13-0118	EA	2'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	456.02	22.37
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	123.39	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	164.52	
		For Type 304 Stainless Steel Door, Add	331.27	
		For Type 316 Stainless Steel Door, Add	536.91	
		For Embossed Panel, Add	98.71	
		For Galvanized Steel, Add	61.69	
		For Baked Enamel Finish, Add	150.23	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-23.92	
		For >100, Deduct	-35.32	
		For 2" Thick Door, Add	30.94	
		For Insulated Door (Polystyrene Core), Add	41.13	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	102.82	
08 13 13 13-0119	EA	2'-8" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	462.16	22.37
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	125.23	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	166.97	
		For Type 304 Stainless Steel Door, Add	336.18	
		For Type 316 Stainless Steel Door, Add	544.90	
		For Embossed Panel, Add	100.18	
		For Galvanized Steel, Add	62.61	
		For Baked Enamel Finish, Add	152.07	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-24.23	
		For >100, Deduct	-35.78	
		For 2" Thick Door, Add	31.38	
		For Insulated Door (Polystyrene Core), Add	41.74	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	104.36	
08 13 13 13-0120	EA	2'-10" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	465.59	22.85
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	125.96	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	167.95	
		For Type 304 Stainless Steel Door, Add	338.19	
		For Type 316 Stainless Steel Door, Add	548.13	
		For Embossed Panel, Add	100.77	
		For Galvanized Steel, Add	62.98	
		For Baked Enamel Finish, Add	153.39	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-24.42	
		For >100, Deduct	-36.06	
		For 2" Thick Door, Add	31.58	
		For Insulated Door (Polystyrene Core), Add	41.99	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	104.97	
		For Seamless Edge (Welded), Add	52.49	
		For Steel Stiffened, Add	104.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0121	EA	3' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	469.02	23.34
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	126.70	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	168.94	
			For Type 304 Stainless Steel Door, Add	340.21	
			For Type 316 Stainless Steel Door, Add	551.38	
			For Embossed Panel, Add	101.36	
			For Galvanized Steel, Add	63.35	
			For Baked Enamel Finish, Add	154.71	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-24.62	
			For >100, Deduct	-36.34	
			For 2" Thick Door, Add	31.79	
			For Insulated Door (Polystyrene Core), Add	42.23	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	105.59	
08 13 13	13-0122	EA	3'-4" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	500.94	23.34
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	136.28	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	181.70	
			For Type 304 Stainless Steel Door, Add	365.74	
			For Type 316 Stainless Steel Door, Add	592.87	
			For Embossed Panel, Add	109.02	
			For Galvanized Steel, Add	68.14	
			For Baked Enamel Finish, Add	164.29	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-26.21	
			For >100, Deduct	-38.74	
			For 2" Thick Door, Add	34.10	
			For Insulated Door (Polystyrene Core), Add	45.43	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	113.57	
08 13 13	13-0123	EA	3'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	515.17	24.31
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	139.96	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	186.62	
			For Type 304 Stainless Steel Door, Add	375.66	
			For Type 316 Stainless Steel Door, Add	608.93	
			For Embossed Panel, Add	111.97	
			For Galvanized Steel, Add	69.98	
			For Baked Enamel Finish, Add	169.14	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-26.97	
			For >100, Deduct	-39.85	
			For 2" Thick Door, Add	35.04	
			For Insulated Door (Polystyrene Core), Add	46.65	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	116.64	
08 13 13	13-0124	EA	4' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	568.16	26.26
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	154.70	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	206.26	
			For Type 304 Stainless Steel Door, Add	415.15	
			For Type 316 Stainless Steel Door, Add	672.97	
			For Embossed Panel, Add	123.76	
			For Galvanized Steel, Add	77.35	
			For Baked Enamel Finish, Add	186.20	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-29.72	
			For >100, Deduct	-43.92	
			For 2" Thick Door, Add	38.70	
			For Insulated Door (Polystyrene Core), Add	51.57	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	128.91	
08 13 13	13-0125	PR	Pair 2'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	907.57	42.49
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	246.77	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	329.03	
			For Type 304 Stainless Steel Door, Add	662.31	
			For Type 316 Stainless Steel Door, Add	1,073.60	
			For Embossed Panel, Add	197.42	
			For Galvanized Steel, Add	123.39	
			For Baked Enamel Finish, Add	297.77	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-47.50	
			For >100, Deduct	-70.19	
			For 2" Thick Door, Add	61.76	
			For Insulated Door (Polystyrene Core), Add	82.26	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	205.65	


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0126	PR	Pair 2'-8" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	919.84	42.49
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	250.46	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	333.94	
		For Type 304 Stainless Steel Door, Add	672.13	
		For Type 316 Stainless Steel Door, Add	1,089.55	
		For Embossed Panel, Add	200.36	
		For Galvanized Steel, Add	125.23	
		For Baked Enamel Finish, Add	301.45	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-48.12	
		For >100, Deduct	-71.11	
		For 2" Thick Door, Add	62.65	
		For Insulated Door (Polystyrene Core), Add	83.49	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	208.71	
08 13 13 13-0127	PR	Pair 2'-10" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	915.62	37.93
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	251.93	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	335.91	
		For Type 304 Stainless Steel Door, Add	675.61	
		For Type 316 Stainless Steel Door, Add	1,095.49	
		For Embossed Panel, Add	201.54	
		For Galvanized Steel, Add	125.97	
		For Baked Enamel Finish, Add	297.44	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-47.68	
		For >100, Deduct	-70.57	
		For 2" Thick Door, Add	62.78	
		For Insulated Door (Polystyrene Core), Add	83.98	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	209.94	
		For Seamless Edge (Welded), Add	104.97	
		For Steel Stiffened, Add	209.94	
08 13 13 13-0128	PR	Pair 3' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	933.36	44.35
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	253.40	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	337.87	
		For Type 304 Stainless Steel Door, Add	680.18	
		For Type 316 Stainless Steel Door, Add	1,102.52	
		For Embossed Panel, Add	202.72	
		For Galvanized Steel, Add	126.70	
		For Baked Enamel Finish, Add	306.61	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-48.89	
		For >100, Deduct	-72.22	
		For 2" Thick Door, Add	63.46	
		For Insulated Door (Polystyrene Core), Add	84.47	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	211.17	
08 13 13 13-0129	PR	Pair 3'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,025.45	46.19
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	279.92	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	373.23	
		For Type 304 Stainless Steel Door, Add	751.08	
		For Type 316 Stainless Steel Door, Add	1,217.61	
		For Embossed Panel, Add	223.94	
		For Galvanized Steel, Add	139.96	
		For Baked Enamel Finish, Add	335.35	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-53.58	
		For >100, Deduct	-79.22	
		For 2" Thick Door, Add	69.96	
		For Insulated Door (Polystyrene Core), Add	93.31	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	233.27	
08 13 13 13-0130	PR	Pair 4' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,131.07	49.88
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	309.39	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	412.52	
		For Type 304 Stainless Steel Door, Add	830.02	
		For Type 316 Stainless Steel Door, Add	1,345.67	
		For Embossed Panel, Add	247.51	
		For Galvanized Steel, Add	154.69	
		For Baked Enamel Finish, Add	369.26	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-59.05	
		For >100, Deduct	-87.32	
		For 2" Thick Door, Add	77.26	
		For Insulated Door (Polystyrene Core), Add	103.13	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	257.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0131	7' High	(08 13 13 13-0114)			
08 13 13 13-0132	EA	2' x 7' x 1-3/4"	16 Gauge Metal Door (Unrated).....	455.40	21.39
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	123.78	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	165.04	
			For Type 304 Stainless Steel Door, Add	332.23	
			For Type 316 Stainless Steel Door, Add	538.53	
			For Embossed Panel, Add	99.03	
			For Galvanized Steel, Add	61.89	
			For Baked Enamel Finish, Add	149.46	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-23.84	
			For >100, Deduct	-35.22	
			For 2" Thick Door, Add	30.98	
			For Insulated Door (Polystyrene Core), Add	41.26	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	103.15	
08 13 13 13-0133	EA	2'-4" x 7' x 1-3/4"	16 Gauge Metal Door (Unrated).....	455.40	21.39
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	123.78	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	165.04	
			For Type 304 Stainless Steel Door, Add	332.23	
			For Type 316 Stainless Steel Door, Add	538.53	
			For Embossed Panel, Add	99.03	
			For Galvanized Steel, Add	61.89	
			For Baked Enamel Finish, Add	149.46	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-23.84	
			For >100, Deduct	-35.22	
			For 2" Thick Door, Add	30.98	
			For Insulated Door (Polystyrene Core), Add	41.26	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	103.15	
08 13 13 13-0134	EA	2'-6" x 7' x 1-3/4"	16 Gauge Metal Door (Unrated).....	465.78	22.37
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	126.32	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	168.42	
			For Type 304 Stainless Steel Door, Add	339.08	
			For Type 316 Stainless Steel Door, Add	549.60	
			For Embossed Panel, Add	101.05	
			For Galvanized Steel, Add	63.16	
			For Baked Enamel Finish, Add	153.15	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-24.41	
			For >100, Deduct	-36.05	
			For 2" Thick Door, Add	31.64	
			For Insulated Door (Polystyrene Core), Add	42.11	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	105.26	
08 13 13 13-0135	EA	2'-8" x 7' x 1-3/4"	16 Gauge Metal Door (Unrated).....	472.06	22.37
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	128.20	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	170.93	
			For Type 304 Stainless Steel Door, Add	344.10	
			For Type 316 Stainless Steel Door, Add	557.77	
			For Embossed Panel, Add	102.56	
			For Galvanized Steel, Add	64.10	
			For Baked Enamel Finish, Add	155.04	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-24.72	
			For >100, Deduct	-36.52	
			For 2" Thick Door, Add	32.10	
			For Insulated Door (Polystyrene Core), Add	42.73	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	106.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0136	EA	2'-10" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	475.56	22.85
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	128.96	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	171.94	
			For Type 304 Stainless Steel Door, Add	346.17	
			For Type 316 Stainless Steel Door, Add	561.09	
			For Embossed Panel, Add	103.16	
			For Galvanized Steel, Add	64.48	
			For Baked Enamel Finish, Add	156.38	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-24.92	
			For >100, Deduct	-36.81	
			For 2" Thick Door, Add	32.31	
			For Insulated Door (Polystyrene Core), Add	42.99	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	107.46	
			For Seamless Edge (Welded), Add	53.73	
			For Steel Stiffened, Add	107.46	
08 13 13	13-0137	EA	3' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	479.04	23.34
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	129.71	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	172.94	
			For Type 304 Stainless Steel Door, Add	348.22	
			For Type 316 Stainless Steel Door, Add	564.40	
			For Embossed Panel, Add	103.77	
			For Galvanized Steel, Add	64.85	
			For Baked Enamel Finish, Add	157.72	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-25.12	
			For >100, Deduct	-37.10	
			For 2" Thick Door, Add	32.51	
			For Insulated Door (Polystyrene Core), Add	43.24	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	108.09	
08 13 13	13-0138	EA	3'-4" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	511.72	23.34
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	139.51	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	186.02	
			For Type 304 Stainless Steel Door, Add	374.37	
			For Type 316 Stainless Steel Door, Add	606.89	
			For Embossed Panel, Add	111.61	
			For Galvanized Steel, Add	69.76	
			For Baked Enamel Finish, Add	167.52	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-26.75	
			For >100, Deduct	-39.55	
			For 2" Thick Door, Add	34.88	
			For Insulated Door (Polystyrene Core), Add	46.50	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	116.26	
08 13 13	13-0139	EA	3'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	526.24	24.31
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	143.28	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	191.04	
			For Type 304 Stainless Steel Door, Add	384.52	
			For Type 316 Stainless Steel Door, Add	623.32	
			For Embossed Panel, Add	114.63	
			For Galvanized Steel, Add	71.64	
			For Baked Enamel Finish, Add	172.46	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-27.53	
			For >100, Deduct	-40.68	
			For 2" Thick Door, Add	35.84	
			For Insulated Door (Polystyrene Core), Add	47.76	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	119.40	
08 13 13	13-0140	EA	4' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	580.39	26.26
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	158.36	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	211.15	
			For Type 304 Stainless Steel Door, Add	424.93	
			For Type 316 Stainless Steel Door, Add	688.87	
			For Embossed Panel, Add	126.69	
			For Galvanized Steel, Add	79.18	
			For Baked Enamel Finish, Add	189.87	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-30.33	
			For >100, Deduct	-44.84	
			For 2" Thick Door, Add	39.58	
			For Insulated Door (Polystyrene Core), Add	52.79	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	131.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0141	PR	Pair 2'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	927.09	42.49
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	252.63	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	336.84	
			For Type 304 Stainless Steel Door, Add	677.93	
			For Type 316 Stainless Steel Door, Add	1,098.98	
			For Embossed Panel, Add	202.10	
			For Galvanized Steel, Add	126.32	
			For Baked Enamel Finish, Add	303.62	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-48.48	
			For >100, Deduct	-71.66	
			For 2" Thick Door, Add	63.18	
			For Insulated Door (Polystyrene Core), Add	84.21	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	210.53	
08 13 13	13-0142	PR	Pair 2'-8" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	939.66	42.49
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	256.40	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	341.87	
			For Type 304 Stainless Steel Door, Add	687.99	
			For Type 316 Stainless Steel Door, Add	1,115.32	
			For Embossed Panel, Add	205.12	
			For Galvanized Steel, Add	128.20	
			For Baked Enamel Finish, Add	307.40	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-49.11	
			For >100, Deduct	-72.60	
			For 2" Thick Door, Add	64.09	
			For Insulated Door (Polystyrene Core), Add	85.47	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	213.67	
08 13 13	13-0143	PR	Pair 2'-10" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	935.54	37.93
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	257.91	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	343.88	
			For Type 304 Stainless Steel Door, Add	691.54	
			For Type 316 Stainless Steel Door, Add	1,121.39	
			For Embossed Panel, Add	206.33	
			For Galvanized Steel, Add	128.95	
			For Baked Enamel Finish, Add	303.42	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-48.67	
			For >100, Deduct	-72.06	
			For 2" Thick Door, Add	64.22	
			For Insulated Door (Polystyrene Core), Add	85.97	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	214.92	
			For Seamless Edge (Welded), Add	107.46	
			For Steel Stiffened, Add	214.92	
08 13 13	13-0144	PR	Pair 3' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	953.40	44.35
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	259.42	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	345.89	
			For Type 304 Stainless Steel Door, Add	696.21	
			For Type 316 Stainless Steel Door, Add	1,128.57	
			For Embossed Panel, Add	207.53	
			For Galvanized Steel, Add	129.71	
			For Baked Enamel Finish, Add	312.62	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-49.89	
			For >100, Deduct	-73.72	
			For 2" Thick Door, Add	64.91	
			For Insulated Door (Polystyrene Core), Add	86.47	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	216.18	
08 13 13	13-0145	PR	Pair 3'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,047.60	46.19
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	286.57	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	382.09	
			For Type 304 Stainless Steel Door, Add	768.80	
			For Type 316 Stainless Steel Door, Add	1,246.41	
			For Embossed Panel, Add	229.25	
			For Galvanized Steel, Add	143.28	
			For Baked Enamel Finish, Add	341.99	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-54.69	
			For >100, Deduct	-80.88	
			For 2" Thick Door, Add	71.56	
			For Insulated Door (Polystyrene Core), Add	95.52	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	238.81	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0146	PR	Pair 4' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,155.55	49.88
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	316.73	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	422.31	
		For Type 304 Stainless Steel Door, Add	849.61	
		For Type 316 Stainless Steel Door, Add	1,377.49	
		For Embossed Panel, Add	253.38	
		For Galvanized Steel, Add	158.37	
		For Baked Enamel Finish, Add	376.60	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-60.27	
		For >100, Deduct	-89.16	
		For 2" Thick Door, Add	79.04	
		For Insulated Door (Polystyrene Core), Add	105.58	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	263.94	
08 13 13 13-0147		7'-2" High (08 13 13 13-0114)		
08 13 13 13-0148	EA	2' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	464.97	21.39
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	126.65	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	168.87	
		For Type 304 Stainless Steel Door, Add	339.88	
		For Type 316 Stainless Steel Door, Add	550.97	
		For Embossed Panel, Add	101.32	
		For Galvanized Steel, Add	63.33	
		For Baked Enamel Finish, Add	152.33	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-24.32	
		For >100, Deduct	-35.94	
		For 2" Thick Door, Add	31.68	
		For Insulated Door (Polystyrene Core), Add	42.22	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	105.55	
08 13 13 13-0149	EA	2'-4" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	464.97	21.39
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	126.65	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	168.87	
		For Type 304 Stainless Steel Door, Add	339.88	
		For Type 316 Stainless Steel Door, Add	550.97	
		For Embossed Panel, Add	101.32	
		For Galvanized Steel, Add	63.33	
		For Baked Enamel Finish, Add	152.33	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-24.32	
		For >100, Deduct	-35.94	
		For 2" Thick Door, Add	31.68	
		For Insulated Door (Polystyrene Core), Add	42.22	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	105.55	
08 13 13 13-0150	EA	2'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	475.54	22.37
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	129.24	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	172.32	
		For Type 304 Stainless Steel Door, Add	346.88	
		For Type 316 Stainless Steel Door, Add	562.29	
		For Embossed Panel, Add	103.39	
		For Galvanized Steel, Add	64.62	
		For Baked Enamel Finish, Add	156.08	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-24.90	
		For >100, Deduct	-36.78	
		For 2" Thick Door, Add	32.35	
		For Insulated Door (Polystyrene Core), Add	43.08	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	107.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0151	EA	2'-8" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	481.97	22.37
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	131.17	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	174.90	
			For Type 304 Stainless Steel Door, Add	352.03	
			For Type 316 Stainless Steel Door, Add	570.65	
			For Embossed Panel, Add	104.94	
			For Galvanized Steel, Add	65.59	
			For Baked Enamel Finish, Add	158.01	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-25.22	
			For >100, Deduct	-37.27	
			For 2" Thick Door, Add	32.82	
			For Insulated Door (Polystyrene Core), Add	43.72	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	109.31	
08 13 13	13-0152	EA	2'-10" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	485.52	22.85
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	131.94	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	175.92	
			For Type 304 Stainless Steel Door, Add	354.13	
			For Type 316 Stainless Steel Door, Add	574.04	
			For Embossed Panel, Add	105.55	
			For Galvanized Steel, Add	65.97	
			For Baked Enamel Finish, Add	159.37	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-25.42	
			For >100, Deduct	-37.56	
			For 2" Thick Door, Add	33.03	
			For Insulated Door (Polystyrene Core), Add	43.98	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	109.95	
			For Seamless Edge (Welded), Add	54.98	
			For Steel Stiffened, Add	109.95	
08 13 13	13-0153	EA	3' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	489.06	23.34
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	132.71	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	176.95	
			For Type 304 Stainless Steel Door, Add	356.24	
			For Type 316 Stainless Steel Door, Add	577.43	
			For Embossed Panel, Add	106.17	
			For Galvanized Steel, Add	66.36	
			For Baked Enamel Finish, Add	160.72	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-25.62	
			For >100, Deduct	-37.85	
			For 2" Thick Door, Add	33.24	
			For Insulated Door (Polystyrene Core), Add	44.24	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	110.60	
08 13 13	13-0154	EA	3'-4" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	522.50	23.34
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	142.75	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	190.33	
			For Type 304 Stainless Steel Door, Add	382.99	
			For Type 316 Stainless Steel Door, Add	620.90	
			For Embossed Panel, Add	114.20	
			For Galvanized Steel, Add	71.37	
			For Baked Enamel Finish, Add	170.75	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-27.29	
			For >100, Deduct	-40.35	
			For 2" Thick Door, Add	35.66	
			For Insulated Door (Polystyrene Core), Add	47.58	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	118.96	
08 13 13	13-0155	EA	3'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	537.31	24.31
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	146.60	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	195.47	
			For Type 304 Stainless Steel Door, Add	393.38	
			For Type 316 Stainless Steel Door, Add	637.72	
			For Embossed Panel, Add	117.28	
			For Galvanized Steel, Add	73.30	
			For Baked Enamel Finish, Add	175.78	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-28.08	
			For >100, Deduct	-41.51	
			For 2" Thick Door, Add	36.65	
			For Insulated Door (Polystyrene Core), Add	48.87	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	122.17	


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0156	EA	4' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	592.63	26.26
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	162.04	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	216.05	
		For Type 304 Stainless Steel Door, Add	434.72	
		For Type 316 Stainless Steel Door, Add	704.78	
		For Embossed Panel, Add	129.63	
		For Galvanized Steel, Add	81.02	
		For Baked Enamel Finish, Add	193.54	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-30.94	
		For >100, Deduct	-45.76	
		For 2" Thick Door, Add	40.47	
		For Insulated Door (Polystyrene Core), Add	54.01	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	135.03	
08 13 13 13-0157	PR	Pair 2'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	946.61	42.49
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	258.49	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	344.65	
		For Type 304 Stainless Steel Door, Add	693.55	
		For Type 316 Stainless Steel Door, Add	1,124.36	
		For Embossed Panel, Add	206.79	
		For Galvanized Steel, Add	129.24	
		For Baked Enamel Finish, Add	309.48	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-49.46	
		For >100, Deduct	-73.12	
		For 2" Thick Door, Add	64.59	
		For Insulated Door (Polystyrene Core), Add	86.16	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	215.41	
08 13 13 13-0158	PR	Pair 2'-8" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	959.47	42.49
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	262.34	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	349.79	
		For Type 304 Stainless Steel Door, Add	703.83	
		For Type 316 Stainless Steel Door, Add	1,141.07	
		For Embossed Panel, Add	209.88	
		For Galvanized Steel, Add	131.17	
		For Baked Enamel Finish, Add	313.34	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-50.10	
		For >100, Deduct	-74.09	
		For 2" Thick Door, Add	65.52	
		For Insulated Door (Polystyrene Core), Add	87.45	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	218.62	
08 13 13 13-0159	PR	Pair 2'-10" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	955.48	37.93
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	263.89	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	351.85	
		For Type 304 Stainless Steel Door, Add	707.50	
		For Type 316 Stainless Steel Door, Add	1,147.31	
		For Embossed Panel, Add	211.11	
		For Galvanized Steel, Add	131.94	
		For Baked Enamel Finish, Add	309.40	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-49.67	
		For >100, Deduct	-73.56	
		For 2" Thick Door, Add	65.67	
		For Insulated Door (Polystyrene Core), Add	87.96	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	219.91	
		For Seamless Edge (Welded), Add	109.95	
		For Steel Stiffened, Add	219.91	
08 13 13 13-0160	PR	Pair 3' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	973.45	44.35
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	265.43	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	353.91	
		For Type 304 Stainless Steel Door, Add	712.25	
		For Type 316 Stainless Steel Door, Add	1,154.64	
		For Embossed Panel, Add	212.34	
		For Galvanized Steel, Add	132.72	
		For Baked Enamel Finish, Add	318.64	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-50.89	
		For >100, Deduct	-75.23	
		For 2" Thick Door, Add	66.36	
		For Insulated Door (Polystyrene Core), Add	88.48	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	221.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0161	PR	Pair 3'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,069.74	46.19
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	293.21	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	390.94	
			For Type 304 Stainless Steel Door, Add	786.51	
			For Type 316 Stainless Steel Door, Add	1,275.19	
			For Embossed Panel, Add	234.57	
			For Galvanized Steel, Add	146.60	
			For Baked Enamel Finish, Add	348.64	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-55.80	
			For >100, Deduct	-82.54	
			For 2" Thick Door, Add	73.17	
			For Insulated Door (Polystyrene Core), Add	97.74	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	244.34	
08 13 13	13-0162	PR	Pair 4' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,180.02	49.88
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	324.07	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	432.10	
			For Type 304 Stainless Steel Door, Add	869.18	
			For Type 316 Stainless Steel Door, Add	1,409.30	
			For Embossed Panel, Add	259.26	
			For Galvanized Steel, Add	162.04	
			For Baked Enamel Finish, Add	383.94	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-61.50	
			For >100, Deduct	-91.00	
			For 2" Thick Door, Add	80.81	
			For Insulated Door (Polystyrene Core), Add	108.02	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	270.06	
08 13 13	13-0163	8' High	<small>(08 13 13-0114)</small>		
08 13 13	13-0164	EA	2' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	543.87	21.39
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	150.32	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	200.43	
			For Up To 1' Extra Height, Add	138.65	
			For Type 304 Stainless Steel Door, Add	403.00	
			For Type 316 Stainless Steel Door, Add	653.54	
			For Embossed Panel, Add	120.26	
			For Galvanized Steel, Add	75.16	
			For Baked Enamel Finish, Add	176.00	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-28.26	
			For >100, Deduct	-41.86	
			For 2" Thick Door, Add	37.40	
			For Insulated Door (Polystyrene Core), Add	50.11	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	125.27	
08 13 13	13-0165	EA	2'-4" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	543.87	21.39
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	150.32	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	200.43	
			For Up To 1' Extra Height, Add	138.65	
			For Type 304 Stainless Steel Door, Add	403.00	
			For Type 316 Stainless Steel Door, Add	653.54	
			For Embossed Panel, Add	120.26	
			For Galvanized Steel, Add	75.16	
			For Baked Enamel Finish, Add	176.00	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-28.26	
			For >100, Deduct	-41.86	
			For 2" Thick Door, Add	37.40	
			For Insulated Door (Polystyrene Core), Add	50.11	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	125.27	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0166	EA	2'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	556.06	22.37
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	153.40	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	204.53	
		For Up To 1' Extra Height, Add	141.49	
		For Type 304 Stainless Steel Door, Add	411.30	
		For Type 316 Stainless Steel Door, Add	666.97	
		For Embossed Panel, Add	122.72	
		For Galvanized Steel, Add	76.70	
		For Baked Enamel Finish, Add	180.24	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-28.92	
		For >100, Deduct	-42.82	
		For 2" Thick Door, Add	38.19	
		For Insulated Door (Polystyrene Core), Add	51.13	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	127.83	
08 13 13 13-0167	EA	2'-8" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	563.69	22.37
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	155.69	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	207.58	
		For Up To 1' Extra Height, Add	143.60	
		For Type 304 Stainless Steel Door, Add	417.40	
		For Type 316 Stainless Steel Door, Add	676.88	
		For Embossed Panel, Add	124.55	
		For Galvanized Steel, Add	77.84	
		For Baked Enamel Finish, Add	182.53	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-29.30	
		For >100, Deduct	-43.40	
		For 2" Thick Door, Add	38.74	
		For Insulated Door (Polystyrene Core), Add	51.90	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	129.74	
08 13 13 13-0168	EA	2'-10" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	567.72	22.85
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	156.60	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	208.80	
		For Up To 1' Extra Height, Add	144.44	
		For Type 304 Stainless Steel Door, Add	419.89	
		For Type 316 Stainless Steel Door, Add	680.90	
		For Embossed Panel, Add	125.28	
		For Galvanized Steel, Add	78.30	
		For Baked Enamel Finish, Add	184.03	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-29.53	
		For >100, Deduct	-43.72	
		For 2" Thick Door, Add	38.99	
		For Insulated Door (Polystyrene Core), Add	52.20	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.50	
		For Seamless Edge (Welded), Add	65.25	
		For Steel Stiffened, Add	130.50	
08 13 13 13-0169	EA	3' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	571.74	23.34
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	157.52	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	210.02	
		For Up To 1' Extra Height, Add	145.28	
		For Type 304 Stainless Steel Door, Add	422.38	
		For Type 316 Stainless Steel Door, Add	684.91	
		For Embossed Panel, Add	126.01	
		For Galvanized Steel, Add	78.76	
		For Baked Enamel Finish, Add	185.53	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-29.75	
		For >100, Deduct	-44.05	
		For 2" Thick Door, Add	39.23	
		For Insulated Door (Polystyrene Core), Add	52.51	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	131.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0170	EA	3'-4" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	611.43	23.34
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	169.43	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	225.90	
			For Up To 1' Extra Height, Add	156.27	
			For Type 304 Stainless Steel Door, Add	454.13	
			For Type 316 Stainless Steel Door, Add	736.51	
			For Embossed Panel, Add	135.54	
			For Galvanized Steel, Add	84.71	
			For Baked Enamel Finish, Add	197.43	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-31.74	
			For >100, Deduct	-47.02	
			For 2" Thick Door, Add	42.11	
			For Insulated Door (Polystyrene Core), Add	56.48	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	141.19	
08 13 13	13-0171	EA	3'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	628.64	24.31
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	174.00	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	232.00	
			For Up To 1' Extra Height, Add	160.49	
			For 1' To 1'-6" Extra Height, Add	306.19	
			For Type 304 Stainless Steel Door, Add	466.44	
			For Type 316 Stainless Steel Door, Add	756.44	
			For Embossed Panel, Add	139.20	
			For Galvanized Steel, Add	87.00	
			For Baked Enamel Finish, Add	203.18	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-32.65	
			For >100, Deduct	-48.36	
			For 2" Thick Door, Add	43.27	
			For Insulated Door (Polystyrene Core), Add	58.00	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	145.00	
08 13 13	13-0172	EA	4' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	693.57	26.26
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	192.32	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	256.42	
			For Up To 1' Extra Height, Add	177.38	
			For 1' To 1'-6" Extra Height, Add	338.42	
			For Type 304 Stainless Steel Door, Add	515.47	
			For Type 316 Stainless Steel Door, Add	836.00	
			For Embossed Panel, Add	153.85	
			For Galvanized Steel, Add	96.16	
			For Baked Enamel Finish, Add	223.82	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-35.99	
			For >100, Deduct	-53.33	
			For 2" Thick Door, Add	47.79	
			For Insulated Door (Polystyrene Core), Add	64.11	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	160.27	
08 13 13	13-0173	PR	Pair 2'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,107.64	42.49
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	306.80	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	409.06	
			For Up To 1' Extra Height, Add	282.97	
			For Type 304 Stainless Steel Door, Add	822.37	
			For Type 316 Stainless Steel Door, Add	1,333.69	
			For Embossed Panel, Add	245.44	
			For Galvanized Steel, Add	153.40	
			For Baked Enamel Finish, Add	357.79	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-57.51	
			For >100, Deduct	-85.20	
			For 2" Thick Door, Add	76.27	
			For Insulated Door (Polystyrene Core), Add	102.27	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	255.66	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0174	PR	Pair 2'-8" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,122.91	42.49
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	311.38	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	415.17	
		For Up To 1' Extra Height, Add	287.19	
		For Type 304 Stainless Steel Door, Add	834.59	
		For Type 316 Stainless Steel Door, Add	1,353.55	
		For Embossed Panel, Add	249.10	
		For Galvanized Steel, Add	155.69	
		For Baked Enamel Finish, Add	362.37	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-58.27	
		For >100, Deduct	-86.34	
		For 2" Thick Door, Add	77.37	
		For Insulated Door (Polystyrene Core), Add	103.79	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	259.48	
08 13 13 13-0175	PR	Pair 2'-10" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,119.87	37.93
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	313.21	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	417.61	
		For Up To 1' Extra Height, Add	288.88	
		For Type 304 Stainless Steel Door, Add	839.01	
		For Type 316 Stainless Steel Door, Add	1,361.02	
		For Embossed Panel, Add	250.56	
		For Galvanized Steel, Add	156.60	
		For Baked Enamel Finish, Add	358.72	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-57.89	
		For >100, Deduct	-85.89	
		For 2" Thick Door, Add	77.59	
		For Insulated Door (Polystyrene Core), Add	104.40	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	261.01	
		For Seamless Edge (Welded), Add	130.50	
		For Steel Stiffened, Add	261.01	
08 13 13 13-0176	PR	Pair 3' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,138.81	44.35
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	315.04	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	420.05	
		For Up To 1' Extra Height, Add	290.57	
		For 1' To 1'-6" Extra Height, Add	554.36	
		For Type 304 Stainless Steel Door, Add	844.54	
		For Type 316 Stainless Steel Door, Add	1,369.60	
		For Embossed Panel, Add	252.03	
		For Galvanized Steel, Add	157.52	
		For Baked Enamel Finish, Add	368.25	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-59.16	
		For >100, Deduct	-87.63	
		For 2" Thick Door, Add	78.35	
		For Insulated Door (Polystyrene Core), Add	105.01	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	262.53	
08 13 13 13-0177	PR	Pair 3'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,252.41	46.19
		For 16 Gauge, Grade III, Extra Heavy Duty, Add	348.01	
		For 14 Gauge, Grade III, Extra Heavy Duty, Add	464.01	
		For Up To 1' Extra Height, Add	320.98	
		For 1' To 1'-6" Extra Height, Add	612.38	
		For Type 304 Stainless Steel Door, Add	932.64	
		For Type 316 Stainless Steel Door, Add	1,512.66	
		For Embossed Panel, Add	278.41	
		For Galvanized Steel, Add	174.00	
		For Baked Enamel Finish, Add	403.44	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-64.93	
		For >100, Deduct	-96.24	
		For 2" Thick Door, Add	86.41	
		For Insulated Door (Polystyrene Core), Add	116.00	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	290.01	
08 13 13 13-0178	PR	Pair 4' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,381.91	49.88
		For 1' To 1'-6" Extra Height, Add	676.84	

08 13 13 53 Custom Hollow Metal Doors (08 13 13)

08 13 13 53-0001		Steel 18 Gauge 1-3/4" Unrated Door (08 13 13 53)		
08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4" 18 Gauge Steel Door (Unrated) With Semicircular Head	990.52	48.63
		For 16 Gauge Door, Add	20.30	
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4" 18 Gauge Steel Door (Unrated) With Semicircular Head	1,034.98	58.35
		For 16 Gauge Door, Add	20.30	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 73 Sliding Metal Doors (08 13)

08 13 73 00-0001 Sliding Bypass Mirror Doors (08 13 73)

Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.

08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	228.34	29.17
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	261.78	31.12
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	295.24	33.06
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	358.27	35.01

08 14 Wood Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors (08 14)

08 14 16 00-0001 Hollow Core Doors, 1-3/8" Thick (08 14 16)

08 14 16 00-0002 Birch Faced (08 14 16 00-0001)

08 14 16 00-0003	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Birch Faced Door	115.19	21.39
		For Each 1' Of Additional Door Height, Add	17.38	
		For >50 To 100, Deduct	-6.83	
		For >100, Deduct	-9.71	
08 14 16 00-0004	EA	2'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door	122.26	22.37
		For Each 1' Of Additional Door Height, Add	18.61	
		For >50 To 100, Deduct	-7.23	
		For >100, Deduct	-10.29	
08 14 16 00-0005	EA	2'-8" x 7' x 1-3/8" Hollow Core, Birch Faced Door	126.03	22.37
		For Each 1' Of Additional Door Height, Add	19.51	
		For >50 To 100, Deduct	-7.42	
		For >100, Deduct	-10.57	
08 14 16 00-0006	EA	3' x 7' x 1-3/8" Hollow Core, Birch Faced Door	129.30	23.34
		For Each 1' Of Additional Door Height, Add	19.83	
		For >50 To 100, Deduct	-7.63	
		For >100, Deduct	-10.86	
08 14 16 00-0007	EA	3'-4" x 7' x 1-3/8" Hollow Core, Birch Faced Door	137.37	23.34
		For Each 1' Of Additional Door Height, Add	21.77	
		For >50 To 100, Deduct	-8.04	
		For >100, Deduct	-11.47	
08 14 16 00-0008	EA	3'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door	145.13	24.31
		For Each 1' Of Additional Door Height, Add	23.16	
		For >50 To 100, Deduct	-8.47	
		For >100, Deduct	-12.10	
08 14 16 00-0009	PR	Pair 2' x 7' x 1-3/8" Hollow Core, Birch Faced Door	226.09	40.65
		For Each 1' Of Additional Door Height, Add	34.75	
		For >50 To 100, Deduct	-13.34	
		For >100, Deduct	-18.99	
08 14 16 00-0010	PR	Pair 2'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door	240.05	42.49
		For Each 1' Of Additional Door Height, Add	37.21	
		For >50 To 100, Deduct	-14.13	
		For >100, Deduct	-20.13	
08 14 16 00-0011	PR	Pair 3' x 7' x 1-3/8" Hollow Core, Birch Faced Door	253.92	44.35
		For Each 1' Of Additional Door Height, Add	39.66	
		For >50 To 100, Deduct	-14.91	
		For >100, Deduct	-21.26	

08 14 16 00-0012 Lauan Faced (08 14 16 00-0001)

08 14 16 00-0013	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Lauan Faced Door	96.92	21.39
		For Each 1' Of Additional Door Height, Add	12.99	
		For >50 To 100, Deduct	-5.92	
		For >100, Deduct	-8.34	
08 14 16 00-0014	EA	2'-6" x 7' x 1-3/8" Hollow Core, Lauan Faced Door	102.53	22.37
		For Each 1' Of Additional Door Height, Add	13.87	
		For >50 To 100, Deduct	-6.24	
		For >100, Deduct	-8.81	
08 14 16 00-0015	EA	2'-8" x 7' x 1-3/8" Hollow Core, Lauan Faced Door	105.63	22.37
		For Each 1' Of Additional Door Height, Add	14.62	
		For >50 To 100, Deduct	-6.40	
		For >100, Deduct	-9.04	
08 14 16 00-0016	EA	3' x 7' x 1-3/8" Hollow Core, Lauan Faced Door	109.76	23.34
		For Each 1' Of Additional Door Height, Add	15.14	
		For >50 To 100, Deduct	-6.66	
		For >100, Deduct	-9.40	
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Hollow Core, Lauan Faced Door	115.79	23.34
		For Each 1' Of Additional Door Height, Add	16.59	
		For >50 To 100, Deduct	-6.96	
		For >100, Deduct	-9.85	
08 14 16 00-0018	EA	3'-6" x 7' x 1-3/8" Hollow Core, Lauan Faced Door	122.17	24.31
		For Each 1' Of Additional Door Height, Add	17.65	
		For >50 To 100, Deduct	-7.32	
		For >100, Deduct	-10.38	
08 14 16 00-0019	PR	Pair 2' x 7' x 1-3/8" Hollow Core, Lauan Faced Door	189.55	40.65
		For Each 1' Of Additional Door Height, Add	25.98	
		For >50 To 100, Deduct	-11.51	
		For >100, Deduct	-16.25	

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0020	PR		Pair 2'-6" x 7' x 1-3/8" Hollow Core, Lauan Faced Door.....	200.60	42.49
			For Each 1' Of Additional Door Height, Add	27.75	
			For >50 To 100, Deduct	-12.15	
			For >100, Deduct	-17.17	
08 14 16 00-0021	PR		Pair 3' x 7' x 1-3/8" Hollow Core, Lauan Faced Door.....	214.86	44.35
			For Each 1' Of Additional Door Height, Add	30.28	
			For >50 To 100, Deduct	-12.96	
			For >100, Deduct	-18.33	
08 14 16 00-0022			Tempered Hardboard Faced (08 14 16 00-0001)		
08 14 16 00-0023	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	98.39	21.39
			For Each 1' Of Additional Door Height, Add	13.34	
			For >50 To 100, Deduct	-5.99	
			For >100, Deduct	-8.45	
08 14 16 00-0024	EA		2'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	104.38	22.37
			For Each 1' Of Additional Door Height, Add	14.32	
			For >50 To 100, Deduct	-6.34	
			For >100, Deduct	-8.95	
08 14 16 00-0025	EA		2'-8" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	106.30	22.37
			For Each 1' Of Additional Door Height, Add	14.78	
			For >50 To 100, Deduct	-6.43	
			For >100, Deduct	-9.09	
08 14 16 00-0026	EA		3' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	112.10	23.34
			For Each 1' Of Additional Door Height, Add	15.70	
			For >50 To 100, Deduct	-6.77	
			For >100, Deduct	-9.57	
08 14 16 00-0027	EA		3'-4" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	119.30	23.34
			For Each 1' Of Additional Door Height, Add	17.43	
			For >50 To 100, Deduct	-7.13	
			For >100, Deduct	-10.11	
08 14 16 00-0028	EA		3'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	125.89	24.31
			For Each 1' Of Additional Door Height, Add	18.54	
			For >50 To 100, Deduct	-7.51	
			For >100, Deduct	-10.66	
08 14 16 00-0029	PR		Pair 2' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	192.49	40.65
			For Each 1' Of Additional Door Height, Add	26.69	
			For >50 To 100, Deduct	-11.66	
			For >100, Deduct	-16.47	
08 14 16 00-0030	PR		Pair 2'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	204.29	42.49
			For Each 1' Of Additional Door Height, Add	28.63	
			For >50 To 100, Deduct	-12.34	
			For >100, Deduct	-17.45	
08 14 16 00-0031	PR		Pair 3' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	219.53	44.35
			For Each 1' Of Additional Door Height, Add	31.40	
			For >50 To 100, Deduct	-13.19	
			For >100, Deduct	-18.68	
08 14 16 00-0032			Solid Core Doors, 1-3/8" Thick, 5 Ply (08 14 16)		
08 14 16 00-0033			Birch Faced (08 14 16 00-0032)		
08 14 16 00-0034	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Birch Faced Door.....	134.97	21.39
			For 7 Ply Core, Add	13.83	
			For Solid Wood Staved Core (Glued Block), Add	23.05	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	22.12	
			For >50 To 100, Deduct	-7.82	
			For >100, Deduct	-11.19	
08 14 16 00-0035	EA		2'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door.....	141.75	22.37
			For 7 Ply Core, Add	14.55	
			For Solid Wood Staved Core (Glued Block), Add	24.26	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	23.28	
			For >50 To 100, Deduct	-8.21	
			For >100, Deduct	-11.75	
08 14 16 00-0036	EA		2'-8" x 7' x 1-3/8" Solid Core, Birch Faced Door.....	146.59	22.37
			For 7 Ply Core, Add	15.28	
			For Solid Wood Staved Core (Glued Block), Add	25.47	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	24.45	
			For >50 To 100, Deduct	-8.45	
			For >100, Deduct	-12.11	
08 14 16 00-0037	EA		3' x 7' x 1-3/8" Solid Core, Birch Faced Door.....	154.45	23.34
			For 7 Ply Core, Add	16.17	
			For Solid Wood Staved Core (Glued Block), Add	26.94	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	25.86	
			For >50 To 100, Deduct	-8.89	
			For >100, Deduct	-12.75	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0038	EA		3'-4" x 7' x 1-3/8" Solid Core, Birch Faced Door For 7 Ply Core, Add For Solid Wood Staved Core (Glued Block), Add Note: Not used in conjunction with fire rating >20 minutes. For Machining for Mortise Lock, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	166.28 17.94 29.90 35.00 28.70 -9.48 -13.64	23.34
08 14 16 00-0039	EA		3'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door For 7 Ply Core, Add For Solid Wood Staved Core (Glued Block), Add Note: Not used in conjunction with fire rating >20 minutes. For Machining for Mortise Lock, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	175.87 19.09 31.81 35.00 30.54 -10.01 -14.41	24.31
08 14 16 00-0040	PR		Pair 2' x 7' x 1-3/8" Solid Core, Birch Faced Door..... For 7 Ply Core, Add For Solid Wood Staved Core (Glued Block), Add Note: Not used in conjunction with fire rating >20 minutes. For Machining for Mortise Lock, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	265.65 27.65 46.09 35.00 44.25 -15.31 -21.96	40.65
08 14 16 00-0041	PR		Pair 2'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door For 7 Ply Core, Add For Solid Wood Staved Core (Glued Block), Add Note: Not used in conjunction with fire rating >20 minutes. For Machining for Mortise Lock, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	279.04 29.11 48.51 35.00 46.57 -16.08 -23.05	42.49
08 14 16 00-0042	PR		Pair 3' x 7' x 1-3/8" Solid Core, Birch Faced Door..... For 7 Ply Core, Add For Solid Wood Staved Core (Glued Block), Add Note: Not used in conjunction with fire rating >20 minutes. For Machining for Mortise Lock, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	304.22 32.33 53.89 35.00 51.73 -17.43 -25.03	44.35
08 14 16 00-0043			Lauan Faced <small>(08 14 16 00-0032)</small>		
08 14 16 00-0044	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Lauan Faced Door..... For 7 Ply Core, Add For Machining for Mortise Lock, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	111.44 10.30 35.00 16.48 -6.64 -9.43	21.39
08 14 16 00-0045	EA		2'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door..... For 7 Ply Core, Add For Machining for Mortise Lock, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	117.14 10.86 35.00 17.38 -6.98 -9.90	22.37
08 14 16 00-0046	EA		2'-8" x 7' x 1-3/8" Solid Core, Lauan Faced Door..... For 7 Ply Core, Add For Machining for Mortise Lock, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	120.92 11.43 35.00 18.29 -7.16 -10.19	22.37
08 14 16 00-0047	EA		3' x 7' x 1-3/8" Solid Core, Lauan Faced Door For 7 Ply Core, Add For Machining for Mortise Lock, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	126.68 12.00 35.00 19.20 -7.50 -10.67	23.34
08 14 16 00-0048	EA		3'-4" x 7' x 1-3/8" Solid Core, Lauan Faced Door..... For 7 Ply Core, Add For Machining for Mortise Lock, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	135.48 13.32 35.00 21.31 -7.94 -11.33	23.34
08 14 16 00-0049	EA		3'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door..... For 7 Ply Core, Add For Machining for Mortise Lock, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	144.38 14.36 35.00 22.98 -8.43 -12.04	24.31
08 14 16 00-0050	PR		Pair 2' x 7' x 1-3/8" Solid Core, Lauan Faced Door..... For 7 Ply Core, Add For Machining for Mortise Lock, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	218.60 20.60 35.00 32.95 -12.96 -18.43	40.65

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0051	PR		Pair 2'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door	229.81	42.49
			For 7 Ply Core, Add	21.72	
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	34.76	
			For >50 To 100, Deduct	-13.62	
			For >100, Deduct	-19.36	
08 14 16 00-0052	PR		Pair 3' x 7' x 1-3/8" Solid Core, Lauan Faced Door	248.69	44.35
			For 7 Ply Core, Add	24.00	
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	38.40	
			For >50 To 100, Deduct	-14.65	
			For >100, Deduct	-20.87	
08 14 16 00-0053			Tempered Hardboard Faced (08 14 16 00-0032)		
08 14 16 00-0054	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	120.32	21.39
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	18.61	
			For >50 To 100, Deduct	-7.09	
			For >100, Deduct	-10.09	
08 14 16 00-0055	EA		2'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	126.76	22.37
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	19.69	
			For >50 To 100, Deduct	-7.46	
			For >100, Deduct	-10.63	
08 14 16 00-0056	EA		2'-8" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	131.25	22.37
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	20.76	
			For >50 To 100, Deduct	-7.68	
			For >100, Deduct	-10.96	
08 14 16 00-0057	EA		3' x 7' x 1-3/8" Solid Core, Hardboard Faced Door	134.86	23.34
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	21.16	
			For >50 To 100, Deduct	-7.91	
			For >100, Deduct	-11.28	
08 14 16 00-0058	EA		3'-4" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	144.59	23.34
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	23.50	
			For >50 To 100, Deduct	-8.40	
			For >100, Deduct	-12.01	
08 14 16 00-0059	EA		3'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	164.28	24.31
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	27.76	
			For >50 To 100, Deduct	-9.43	
			For >100, Deduct	-13.54	
08 14 16 00-0060	PR		Pair 2' x 7' x 1-3/8" Solid Core, Hardboard Faced Door	236.34	40.65
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	37.21	
			For >50 To 100, Deduct	-13.85	
			For >100, Deduct	-19.76	
08 14 16 00-0061	PR		Pair 2'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door	249.03	42.49
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	39.37	
			For >50 To 100, Deduct	-14.58	
			For >100, Deduct	-20.80	
08 14 16 00-0062	PR		Pair 3' x 7' x 1-3/8" Solid Core, Hardboard Faced Door	265.05	44.35
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	42.33	
			For >50 To 100, Deduct	-15.47	
			For >100, Deduct	-22.10	
08 14 16 00-0063			Plastic Laminated Wood Doors (08 14 16 00-0032)		
08 14 16 00-0064	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	203.36	21.39
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	38.54	
			For >50 To 100, Deduct	-11.24	
			For >100, Deduct	-16.32	
08 14 16 00-0065	EA		2'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	214.14	22.37
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	40.66	
			For >50 To 100, Deduct	-11.83	
			For >100, Deduct	-17.18	
08 14 16 00-0066	EA		2'-8" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	222.96	22.37
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	42.78	
			For >50 To 100, Deduct	-12.27	
			For >100, Deduct	-17.84	
08 14 16 00-0067	EA		3' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	233.80	23.34
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	44.91	
			For >50 To 100, Deduct	-12.86	
			For >100, Deduct	-18.70	
08 14 16 00-0068	EA		3'-4" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door	254.38	23.34
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	49.85	
			For >50 To 100, Deduct	-13.89	
			For >100, Deduct	-20.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0069	EA		3'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door..... <i>For Machining for Mortise Lock, Add</i> <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	269.62 35.00 53.04 -14.70 -21.44	24.31
08 14 16 00-0070	PR		Pair 2' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door <i>For Machining for Mortise Lock, Add</i> <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	402.44 35.00 77.08 -22.15 -32.22	40.65
08 14 16 00-0071	PR		Pair 2'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door..... <i>For Machining for Mortise Lock, Add</i> <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	423.77 35.00 81.31 -23.31 -33.91	42.49
08 14 16 00-0072	PR		Pair 3' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door <i>For Machining for Mortise Lock, Add</i> <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	462.92 35.00 89.82 -25.36 -36.94	44.35
08 14 16 00-0073			Hollow Core Doors, 1-3/4" Thick (08 14 16)		
08 14 16 00-0074			Birch Faced (08 14 16 00-0073)		
08 14 16 00-0075	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	133.28 21.72 -7.73 -11.07	21.39
08 14 16 00-0076	EA		2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	138.63 22.54 -8.05 -11.52	22.37
08 14 16 00-0077	EA		2'-8" x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	139.90 22.84 -8.11 -11.61	22.37
08 14 16 00-0078	EA		3' x 7' x 1-3/4" Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	147.41 24.18 -8.54 -12.22	23.34
08 14 16 00-0079	EA		3'-4" x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	162.19 27.72 -9.28 -13.33	23.34
08 14 16 00-0080	EA		3'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	194.12 34.92 -10.92 -15.77	24.31
08 14 16 00-0081	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	262.28 43.44 -15.15 -21.70	40.65
08 14 16 00-0082	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	272.80 45.07 -15.76 -22.58	42.49
08 14 16 00-0083	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	290.15 48.35 -16.72 -23.98	44.35
08 14 16 00-0084			Lauan Faced (08 14 16 00-0073)		
08 14 16 00-0085	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	111.55 16.50 -6.65 -9.44	21.39
08 14 16 00-0086	EA		2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	118.23 17.64 -7.03 -9.99	22.37
08 14 16 00-0087	EA		2'-8" x 7' x 1-3/4" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	122.08 18.56 -7.22 -10.27	22.37
08 14 16 00-0088	EA		3' x 7' x 1-3/4" Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	125.55 18.93 -7.44 -10.58	23.34
08 14 16 00-0089	EA		3'-4" x 7' x 1-3/4" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	134.22 21.01 -7.88 -11.23	23.34
08 14 16 00-0090	EA		3'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	147.34 23.69 -8.58 -12.27	24.31

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0091	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	218.82	40.65
			For Each 1' Of Additional Door Height, Add	33.01	
			For >50 To 100, Deduct	-12.97	
			For >100, Deduct	-18.44	
08 14 16 00-0092	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	232.01	42.49
			For Each 1' Of Additional Door Height, Add	35.28	
			For >50 To 100, Deduct	-13.73	
			For >100, Deduct	-19.53	
08 14 16 00-0093	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Lauan Faced Door.....	246.40	44.35
			For Each 1' Of Additional Door Height, Add	37.85	
			For >50 To 100, Deduct	-14.54	
			For >100, Deduct	-20.70	
08 14 16 00-0094 Tempered Hardboard <small>(08 14 16 00-0073)</small>					
08 14 16 00-0095	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	112.06	21.39
			For Each 1' Of Additional Door Height, Add	16.62	
			For >50 To 100, Deduct	-6.67	
			For >100, Deduct	-9.47	
08 14 16 00-0096	EA		2'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	115.92	22.37
			For Each 1' Of Additional Door Height, Add	17.09	
			For >50 To 100, Deduct	-6.91	
			For >100, Deduct	-9.81	
08 14 16 00-0097	EA		2'-8" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	119.78	22.37
			For Each 1' Of Additional Door Height, Add	18.01	
			For >50 To 100, Deduct	-7.11	
			For >100, Deduct	-10.10	
08 14 16 00-0098	EA		3' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	125.57	23.34
			For Each 1' Of Additional Door Height, Add	18.93	
			For >50 To 100, Deduct	-7.45	
			For >100, Deduct	-10.58	
08 14 16 00-0099	EA		3'-4" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	129.97	23.34
			For Each 1' Of Additional Door Height, Add	19.99	
			For >50 To 100, Deduct	-7.67	
			For >100, Deduct	-10.91	
08 14 16 00-0100	EA		3'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	146.23	24.31
			For Each 1' Of Additional Door Height, Add	23.42	
			For >50 To 100, Deduct	-8.53	
			For >100, Deduct	-12.18	
08 14 16 00-0101	PR		Pair 2' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	219.82	40.65
			For Each 1' Of Additional Door Height, Add	33.25	
			For >50 To 100, Deduct	-13.02	
			For >100, Deduct	-18.52	
08 14 16 00-0102	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	227.37	42.49
			For Each 1' Of Additional Door Height, Add	34.17	
			For >50 To 100, Deduct	-13.49	
			For >100, Deduct	-19.18	
08 14 16 00-0103	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door.....	246.46	44.35
			For Each 1' Of Additional Door Height, Add	37.87	
			For >50 To 100, Deduct	-14.54	
			For >100, Deduct	-20.70	
08 14 16 00-0104 Oak Or Maple Faced <small>(08 14 16 00-0073)</small>					
08 14 16 00-0105	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door.....	161.86	21.39
			For Each 1' Of Additional Door Height, Add	28.58	
			For >50 To 100, Deduct	-9.16	
			For >100, Deduct	-13.21	
08 14 16 00-0106	EA		2'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door.....	168.27	22.37
			For Each 1' Of Additional Door Height, Add	29.65	
			For >50 To 100, Deduct	-9.53	
			For >100, Deduct	-13.74	
08 14 16 00-0107	EA		2'-8" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door.....	169.95	22.37
			For Each 1' Of Additional Door Height, Add	30.05	
			For >50 To 100, Deduct	-9.62	
			For >100, Deduct	-13.86	
08 14 16 00-0108	EA		3' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door.....	179.22	23.34
			For Each 1' Of Additional Door Height, Add	31.81	
			For >50 To 100, Deduct	-10.13	
			For >100, Deduct	-14.61	
08 14 16 00-0109	EA		3'-4" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door.....	198.66	23.34
			For Each 1' Of Additional Door Height, Add	36.48	
			For >50 To 100, Deduct	-11.10	
			For >100, Deduct	-16.07	
08 14 16 00-0110	EA		3'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door.....	240.06	24.31
			For Each 1' Of Additional Door Height, Add	45.94	
			For >50 To 100, Deduct	-13.22	
			For >100, Deduct	-19.22	
08 14 16 00-0111	PR		Pair 2' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door.....	319.42	40.65
			For Each 1' Of Additional Door Height, Add	57.15	
			For >50 To 100, Deduct	-18.00	
			For >100, Deduct	-25.99	
08 14 16 00-0112	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door.....	332.11	42.49
			For Each 1' Of Additional Door Height, Add	59.31	
			For >50 To 100, Deduct	-18.73	
			For >100, Deduct	-27.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0113	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door..... For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	353.76 63.62 -19.91 -28.75	44.35
08 14 16 00-0114			Walnut Faced (08 14 16 00-0073)		
08 14 16 00-0115	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	204.09 38.71 -11.27 -16.38	21.39
08 14 16 00-0116	EA		2'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	207.16 38.98 -11.48 -16.66	22.37
08 14 16 00-0117	EA		2'-8" x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	214.30 40.70 -11.83 -17.19	22.37
08 14 16 00-0118	EA		3' x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	218.45 41.22 -12.09 -17.55	23.34
08 14 16 00-0119	EA		3'-4" x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	237.61 45.82 -13.05 -18.99	23.34
08 14 16 00-0120	EA		3'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	289.06 57.70 -15.67 -22.90	24.31
08 14 16 00-0121	PR		Pair 2' x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	403.75 77.39 -22.22 -32.31	40.65
08 14 16 00-0122	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	409.85 77.97 -22.62 -32.86	42.49
08 14 16 00-0123	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Walnut Faced Door..... For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	432.21 82.45 -23.83 -34.63	44.35
08 14 16 00-0124			Solid Core Doors, 1-3/4" Thick, 5 Ply (08 14 16)		
08 14 16 00-0125			Birch Faced (08 14 16 00-0124)		
08 14 16 00-0126	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Birch Faced Door..... For 7 Ply Core, Add For Solid Wood Staved Core (Glued Block), Add Note: Not used in conjunction with fire rating >20 minutes. For Exterior Grade Door, Add For Machining for Mortise Lock, Add For Commercial Grade 20 Minute Fire Rated Door, Add For Commercial Grade 3/4 Hour Fire Rated Door, Add For Commercial Grade 1 Hour Fire Rated Door, Add For Commercial Grade 1-1/2 Hour Rated Fire Door, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	154.99 16.83 28.05 30.19 35.00 13.46 60.59 84.15 134.64 26.93 -8.82 -12.69	21.39
08 14 16 00-0127	EA		2'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door..... For 7 Ply Core, Add For Solid Wood Staved Core (Glued Block), Add Note: Not used in conjunction with fire rating >20 minutes. For Exterior Grade Door, Add For Machining for Mortise Lock, Add For Commercial Grade 20 Minute Fire Rated Door, Add For Commercial Grade 3/4 Hour Fire Rated Door, Add For Commercial Grade 1 Hour Fire Rated Door, Add For Commercial Grade 1-1/2 Hour Rated Fire Door, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	151.02 15.94 26.57 28.81 35.00 12.75 57.40 79.72 127.55 25.51 -8.67 -12.44	22.37
08 14 16 00-0128	EA		2'-8" x 7' x 1-3/4" Solid Core, Birch Faced Door..... For 7 Ply Core, Add For Solid Wood Staved Core (Glued Block), Add Note: Not used in conjunction with fire rating >20 minutes. For Exterior Grade Door, Add For Machining for Mortise Lock, Add For Commercial Grade 20 Minute Fire Rated Door, Add For Commercial Grade 3/4 Hour Fire Rated Door, Add For Commercial Grade 1 Hour Fire Rated Door, Add For Commercial Grade 1-1/2 Hour Rated Fire Door, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	155.45 16.61 27.68 29.92 35.00 13.29 59.79 83.04 132.86 26.57 -8.89 -12.78	22.37

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0129	EA	3' x 7' x 1-3/4" Solid Core, Birch Faced Door	163.31	23.34
		For 7 Ply Core, Add	17.49	
		For Solid Wood Staved Core (Glued Block), Add	29.16	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	31.49	
		For Machining for Mortise Lock, Add	35.00	
		For Commercial Grade 20 Minute Fire Rated Door, Add	14.00	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	62.98	
		For Commercial Grade 1 Hour Fire Rated Door, Add	87.47	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	139.96	
		For Each 1' Of Additional Door Height, Add	27.99	
		For >50 To 100, Deduct	-9.33	
		For >100, Deduct	-13.42	
08 14 16 00-0130	EA	3'-4" x 7' x 1-3/4" Solid Core, Birch Faced Door	176.14	23.34
		For 7 Ply Core, Add	19.42	
		For Solid Wood Staved Core (Glued Block), Add	32.37	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	34.70	
		For Machining for Mortise Lock, Add	35.00	
		For Commercial Grade 20 Minute Fire Rated Door, Add	15.54	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	69.91	
		For Commercial Grade 1 Hour Fire Rated Door, Add	97.10	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	155.35	
		For Each 1' Of Additional Door Height, Add	31.07	
		For >50 To 100, Deduct	-9.97	
		For >100, Deduct	-14.38	
08 14 16 00-0131	EA	3'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door	205.81	24.31
		For 7 Ply Core, Add	23.58	
		For Solid Wood Staved Core (Glued Block), Add	39.30	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	41.73	
		For Machining for Mortise Lock, Add	35.00	
		For Commercial Grade 20 Minute Fire Rated Door, Add	18.86	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	84.88	
		For Commercial Grade 1 Hour Fire Rated Door, Add	117.89	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	188.62	
		For Each 1' Of Additional Door Height, Add	37.72	
		For >50 To 100, Deduct	-11.51	
		For >100, Deduct	-16.65	
08 14 16 00-0132	PR	Pair 2' x 7' x 1-3/4" Solid Core, Birch Faced Door	305.69	40.65
		For 7 Ply Core, Add	33.66	
		For Solid Wood Staved Core (Glued Block), Add	56.10	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	60.16	
		For Machining for Mortise Lock, Add	35.00	
		For Commercial Grade 20 Minute Fire Rated Door, Add	26.93	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	121.18	
		For Commercial Grade 1 Hour Fire Rated Door, Add	168.30	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	269.28	
		For Each 1' Of Additional Door Height, Add	53.86	
		For >50 To 100, Deduct	-17.32	
		For >100, Deduct	-24.96	
08 14 16 00-0133	PR	Pair 2'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door	297.57	42.49
		For 7 Ply Core, Add	31.89	
		For Solid Wood Staved Core (Glued Block), Add	53.15	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	57.39	
		For Machining for Mortise Lock, Add	35.00	
		For Commercial Grade 20 Minute Fire Rated Door, Add	25.51	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	114.79	
		For Commercial Grade 1 Hour Fire Rated Door, Add	159.44	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	255.10	
		For Each 1' Of Additional Door Height, Add	51.02	
		For >50 To 100, Deduct	-17.00	
		For >100, Deduct	-24.44	
08 14 16 00-0134	PR	Pair 3' x 7' x 1-3/4" Solid Core, Birch Faced Door	321.93	44.35
		For 7 Ply Core, Add	34.99	
		For Solid Wood Staved Core (Glued Block), Add	58.31	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	62.75	
		For Machining for Mortise Lock, Add	35.00	
		For Commercial Grade 20 Minute Fire Rated Door, Add	27.99	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	125.96	
		For Commercial Grade 1 Hour Fire Rated Door, Add	174.94	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	279.90	
		For Each 1' Of Additional Door Height, Add	55.98	
		For >50 To 100, Deduct	-18.31	
		For >100, Deduct	-26.36	
08 14 16 00-0135		Lauan Faced <small>(08 14 16 00-0124)</small>		
08 14 16 00-0136	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Lauan Faced Door	136.23	21.39
		For 7 Ply Core, Add	14.02	
		For Machining for Mortise Lock, Add	35.00	
		For Commercial Grade 20 Minute Fire Rated Door, Add	11.21	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	50.46	
		For Commercial Grade 1 Hour Fire Rated Door, Add	70.08	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	112.13	
		For Each 1' Of Additional Door Height, Add	22.43	
		For >50 To 100, Deduct	-7.88	
		For >100, Deduct	-11.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0137	EA	2'-6" x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	138.45	22.37
			For 7 Ply Core, Add	14.06	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	11.25	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	50.61	
			For Commercial Grade 1 Hour Fire Rated Door, Add	70.29	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	112.46	
			For Each 1' Of Additional Door Height, Add	22.49	
			For >50 To 100, Deduct	-8.04	
			For >100, Deduct	-11.50	
08 14 16 00-0138	EA	2'-8" x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	141.14	22.37
			For 7 Ply Core, Add	14.46	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	11.57	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	52.06	
			For Commercial Grade 1 Hour Fire Rated Door, Add	72.31	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	115.69	
			For Each 1' Of Additional Door Height, Add	23.14	
			For >50 To 100, Deduct	-8.18	
			For >100, Deduct	-11.70	
08 14 16 00-0139	EA	3' x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	145.04	23.34
			For 7 Ply Core, Add	14.75	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	11.80	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	53.11	
			For Commercial Grade 1 Hour Fire Rated Door, Add	73.77	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	118.03	
			For Each 1' Of Additional Door Height, Add	23.61	
			For >50 To 100, Deduct	-8.42	
			For >100, Deduct	-12.05	
08 14 16 00-0140	EA	3'-4" x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	153.93	23.34
			For 7 Ply Core, Add	16.09	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	12.87	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	57.92	
			For Commercial Grade 1 Hour Fire Rated Door, Add	80.44	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	128.70	
			For Each 1' Of Additional Door Height, Add	25.74	
			For >50 To 100, Deduct	-8.86	
			For >100, Deduct	-12.71	
08 14 16 00-0141	EA	3'-6" x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	163.53	24.31
			For 7 Ply Core, Add	17.24	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	13.79	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	62.05	
			For Commercial Grade 1 Hour Fire Rated Door, Add	86.18	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	137.88	
			For Each 1' Of Additional Door Height, Add	27.58	
			For >50 To 100, Deduct	-9.39	
			For >100, Deduct	-13.48	
08 14 16 00-0142	PR	Pair 2' x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	268.18	40.65
			For 7 Ply Core, Add	28.03	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	22.43	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	100.92	
			For Commercial Grade 1 Hour Fire Rated Door, Add	140.17	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	224.27	
			For Each 1' Of Additional Door Height, Add	44.85	
			For >50 To 100, Deduct	-15.44	
			For >100, Deduct	-22.15	
08 14 16 00-0143	PR	Pair 2'-6" x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	272.43	42.49
			For 7 Ply Core, Add	28.12	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	22.49	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	101.22	
			For Commercial Grade 1 Hour Fire Rated Door, Add	140.58	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	224.93	
			For Each 1' Of Additional Door Height, Add	44.99	
			For >50 To 100, Deduct	-15.75	
			For >100, Deduct	-22.56	
08 14 16 00-0144	PR	Pair 3' x 7' x 1-3/4"	Solid Core, Lauan Faced Door.....	285.41	44.35
			For 7 Ply Core, Add	29.51	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	23.61	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	106.23	
			For Commercial Grade 1 Hour Fire Rated Door, Add	147.55	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	236.08	
			For Each 1' Of Additional Door Height, Add	47.22	
			For >50 To 100, Deduct	-16.49	
			For >100, Deduct	-23.62	

08 14 16 00-0145 Plastic Laminated (08 14 16 00-0124)

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0146	EA	2'-0" Or 2'-4" x 7' x 1-3/4"	Solid Core Plastic Laminated Door	316.35	21.39
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	32.83	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	147.72	
			For Commercial Grade 1 Hour Fire Rated Door, Add	205.17	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	328.27	
			For Each 1' Of Additional Door Height, Add	65.65	
			For >50 To 100, Deduct	-16.89	
			For >100, Deduct	-24.80	
08 14 16 00-0147	EA	2'-6" x 7' x 1-3/4"	Solid Core Plastic Laminated Door	326.84	22.37
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	33.85	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	152.34	
			For Commercial Grade 1 Hour Fire Rated Door, Add	211.58	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	338.53	
			For Each 1' Of Additional Door Height, Add	67.71	
			For >50 To 100, Deduct	-17.46	
			For >100, Deduct	-25.63	
08 14 16 00-0148	EA	2'-8" x 7' x 1-3/4"	Solid Core Plastic Laminated Door	326.84	22.37
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	33.85	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	152.34	
			For Commercial Grade 1 Hour Fire Rated Door, Add	211.58	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	338.53	
			For Each 1' Of Additional Door Height, Add	67.71	
			For >50 To 100, Deduct	-17.46	
			For >100, Deduct	-25.63	
08 14 16 00-0149	EA	3'-0" x 7' x 1-3/4"	Solid Core Plastic Laminated Door	362.68	23.34
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	37.92	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	170.64	
			For Commercial Grade 1 Hour Fire Rated Door, Add	237.00	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	379.20	
			For Each 1' Of Additional Door Height, Add	75.84	
			For >50 To 100, Deduct	-19.30	
			For >100, Deduct	-28.37	
08 14 16 00-0150	EA	3'-4" x 7' x 1-3/4"	Solid Core Plastic Laminated Door	379.98	23.34
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	40.00	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	179.98	
			For Commercial Grade 1 Hour Fire Rated Door, Add	249.98	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	399.96	
			For Each 1' Of Additional Door Height, Add	79.99	
			For >50 To 100, Deduct	-20.17	
			For >100, Deduct	-29.67	
08 14 16 00-0151	EA	3'-6" x 7' x 1-3/4"	Solid Core Plastic Laminated Door	390.59	24.31
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	41.04	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	184.66	
			For Commercial Grade 1 Hour Fire Rated Door, Add	256.47	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	410.35	
			For Each 1' Of Additional Door Height, Add	82.07	
			For >50 To 100, Deduct	-20.75	
			For >100, Deduct	-30.51	
08 14 16 00-0152	PR	Pair 2' x 7' x 1-3/4"	Solid Core Plastic Laminated Door	628.42	40.65
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	65.66	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	295.45	
			For Commercial Grade 1 Hour Fire Rated Door, Add	410.35	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	656.56	
			For Each 1' Of Additional Door Height, Add	131.31	
			For >50 To 100, Deduct	-33.45	
			For >100, Deduct	-49.16	
08 14 16 00-0153	PR	Pair 2'-6" x 7' x 1-3/4"	Solid Core Plastic Laminated Door	649.21	42.49
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	67.71	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	304.68	
			For Commercial Grade 1 Hour Fire Rated Door, Add	423.17	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	677.06	
			For Each 1' Of Additional Door Height, Add	135.41	
			For >50 To 100, Deduct	-34.59	
			For >100, Deduct	-50.82	
08 14 16 00-0154	PR	Pair 3' x 7' x 1-3/4"	Solid Core Plastic Laminated Door	720.68	44.35
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	75.84	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	341.28	
			For Commercial Grade 1 Hour Fire Rated Door, Add	474.00	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	758.40	
			For Each 1' Of Additional Door Height, Add	151.68	
			For >50 To 100, Deduct	-38.25	
			For >100, Deduct	-56.27	

08 14 16 00-0155 Oak Or Maple Faced (08 14 16 00-0124)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0156	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door 194.33		21.39
			For 7 Ply Core, Add	22.73	
			For Solid Wood Staved Core (Glued Block), Add	37.89	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	40.02	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	18.18	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	81.83	
			For Commercial Grade 1 Hour Fire Rated Door, Add	113.66	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	181.85	
			For Each 1' Of Additional Door Height, Add	36.37	
			For >50 To 100, Deduct	-10.79	
			For >100, Deduct	-15.64	
08 14 16 00-0157	EA		2'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door 196.27		22.37
			For 7 Ply Core, Add	22.73	
			For Solid Wood Staved Core (Glued Block), Add	37.89	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	40.12	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	18.18	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	81.83	
			For Commercial Grade 1 Hour Fire Rated Door, Add	113.66	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	181.85	
			For Each 1' Of Additional Door Height, Add	36.37	
			For >50 To 100, Deduct	-10.93	
			For >100, Deduct	-15.84	
08 14 16 00-0158	EA		2'-8" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door 197.83		22.37
			For 7 Ply Core, Add	22.97	
			For Solid Wood Staved Core (Glued Block), Add	38.28	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	40.51	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	18.37	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	82.67	
			For Commercial Grade 1 Hour Fire Rated Door, Add	114.83	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	183.72	
			For Each 1' Of Additional Door Height, Add	36.74	
			For >50 To 100, Deduct	-11.01	
			For >100, Deduct	-15.96	
08 14 16 00-0159	EA		3' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door 201.19		23.34
			For 7 Ply Core, Add	23.18	
			For Solid Wood Staved Core (Glued Block), Add	38.63	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	40.96	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	18.54	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	83.44	
			For Commercial Grade 1 Hour Fire Rated Door, Add	115.88	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	185.41	
			For Each 1' Of Additional Door Height, Add	37.08	
			For >50 To 100, Deduct	-11.23	
			For >100, Deduct	-16.26	
08 14 16 00-0160	EA		3'-4" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door 218.16		23.34
			For 7 Ply Core, Add	25.72	
			For Solid Wood Staved Core (Glued Block), Add	42.87	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	45.20	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	20.58	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	92.60	
			For Commercial Grade 1 Hour Fire Rated Door, Add	128.61	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	205.78	
			For Each 1' Of Additional Door Height, Add	41.16	
			For >50 To 100, Deduct	-12.08	
			For >100, Deduct	-17.53	
08 14 16 00-0161	EA		3'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door 263.82		24.31
			For 7 Ply Core, Add	32.28	
			For Solid Wood Staved Core (Glued Block), Add	53.80	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	56.23	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	25.82	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	116.20	
			For Commercial Grade 1 Hour Fire Rated Door, Add	161.39	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	258.23	
			For Each 1' Of Additional Door Height, Add	51.65	
			For >50 To 100, Deduct	-14.41	
			For >100, Deduct	-21.00	
08 14 16 00-0162	PR		Pair 2' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door 371.79		40.65
			For 7 Ply Core, Add	43.58	
			For Solid Wood Staved Core (Glued Block), Add	72.63	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	76.69	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	34.86	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	156.87	
			For Commercial Grade 1 Hour Fire Rated Door, Add	217.88	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	348.60	
			For Each 1' Of Additional Door Height, Add	69.72	
			For >50 To 100, Deduct	-20.62	
			For >100, Deduct	-29.92	

08 Openings

08 10 Doors And Frames

08 14 Wood Doors


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0163	PR	Pair 2'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door.....	377.54	42.49
		For 7 Ply Core, Add	43.88	
		For Solid Wood Staved Core (Glued Block), Add	73.14	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	77.39	
		For Machining for Mortise Lock, Add	35.00	
		For Commercial Grade 20 Minute Fire Rated Door, Add	35.11	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	157.98	
		For Commercial Grade 1 Hour Fire Rated Door, Add	219.41	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	351.06	
		For Each 1' Of Additional Door Height, Add	70.21	
		For >50 To 100, Deduct	-21.00	
		For >100, Deduct	-30.44	
08 14 16 00-0164	PR	Pair 3' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door.....	397.00	44.35
		For 7 Ply Core, Add	46.25	
		For Solid Wood Staved Core (Glued Block), Add	77.08	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	81.51	
		For Machining for Mortise Lock, Add	35.00	
		For Commercial Grade 20 Minute Fire Rated Door, Add	37.00	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	166.49	
		For Commercial Grade 1 Hour Fire Rated Door, Add	231.24	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	369.98	
		For Each 1' Of Additional Door Height, Add	74.00	
		For >50 To 100, Deduct	-22.07	
		For >100, Deduct	-31.99	
08 14 16 00-0165		Walnut Faced ^(08 14 16 00-0124)		
08 14 16 00-0166	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	275.30	21.39
		For 7 Ply Core, Add	34.88	
		For Solid Wood Staved Core (Glued Block), Add	81.38	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	60.27	
		For Machining for Mortise Lock, Add	35.00	
		For Commercial Grade 20 Minute Fire Rated Door, Add	27.90	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	125.56	
		For Commercial Grade 1 Hour Fire Rated Door, Add	174.38	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	279.01	
		For Each 1' Of Additional Door Height, Add	55.80	
		For >50 To 100, Deduct	-14.83	
		For >100, Deduct	-21.72	
08 14 16 00-0167	EA	2'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	277.31	22.37
		For 7 Ply Core, Add	34.89	
		For Solid Wood Staved Core (Glued Block), Add	81.40	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	60.38	
		For Machining for Mortise Lock, Add	35.00	
		For Commercial Grade 20 Minute Fire Rated Door, Add	27.91	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	125.59	
		For Commercial Grade 1 Hour Fire Rated Door, Add	174.44	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	279.10	
		For Each 1' Of Additional Door Height, Add	55.82	
		For >50 To 100, Deduct	-14.98	
		For >100, Deduct	-21.92	
08 14 16 00-0168	EA	2'-8" x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	279.72	22.37
		For 7 Ply Core, Add	35.25	
		For Solid Wood Staved Core (Glued Block), Add	82.25	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	60.98	
		For Machining for Mortise Lock, Add	35.00	
		For Commercial Grade 20 Minute Fire Rated Door, Add	28.20	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	126.89	
		For Commercial Grade 1 Hour Fire Rated Door, Add	176.24	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	281.99	
		For Each 1' Of Additional Door Height, Add	56.40	
		For >50 To 100, Deduct	-15.10	
		For >100, Deduct	-22.10	
08 14 16 00-0169	EA	3' x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	294.18	23.34
		For 7 Ply Core, Add	37.13	
		For Solid Wood Staved Core (Glued Block), Add	86.63	
		Note: Not used in conjunction with fire rating >20 minutes.		
		For Exterior Grade Door, Add	64.21	
		For Machining for Mortise Lock, Add	35.00	
		For Commercial Grade 20 Minute Fire Rated Door, Add	29.70	
		For Commercial Grade 3/4 Hour Fire Rated Door, Add	133.65	
		For Commercial Grade 1 Hour Fire Rated Door, Add	185.63	
		For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	297.00	
		For Each 1' Of Additional Door Height, Add	59.40	
		For >50 To 100, Deduct	-15.88	
		For >100, Deduct	-23.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0170	EA		3'-4" x 7' x 1-3/4" Solid Core, Walnut Faced Door For 7 Ply Core, Add For Solid Wood Staved Core (Glued Block), Add Note: Not used in conjunction with fire rating >20 minutes. For Exterior Grade Door, Add For Machining for Mortise Lock, Add For Commercial Grade 20 Minute Fire Rated Door, Add For Commercial Grade 3/4 Hour Fire Rated Door, Add For Commercial Grade 1 Hour Fire Rated Door, Add For Commercial Grade 1-1/2 Hour Rated Fire Door, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	310.45 39.57 92.32 68.28 35.00 31.65 142.44 197.83 316.52 63.30 -16.69 -24.45	23.34
08 14 16 00-0171	EA		3'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door For 7 Ply Core, Add For Solid Wood Staved Core (Glued Block), Add Note: Not used in conjunction with fire rating >20 minutes. For Exterior Grade Door, Add For Machining for Mortise Lock, Add For Commercial Grade 20 Minute Fire Rated Door, Add For Commercial Grade 3/4 Hour Fire Rated Door, Add For Commercial Grade 1 Hour Fire Rated Door, Add For Commercial Grade 1-1/2 Hour Rated Fire Door, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	380.99 49.85 116.33 85.52 35.00 39.88 179.47 249.27 398.83 79.77 -20.27 -29.79	24.31
08 14 16 00-0172	PR		Pair 2' x 7' x 1-3/4" Solid Core, Walnut Faced Door..... For 7 Ply Core, Add For Solid Wood Staved Core (Glued Block), Add Note: Not used in conjunction with fire rating >20 minutes. For Exterior Grade Door, Add For Machining for Mortise Lock, Add For Commercial Grade 20 Minute Fire Rated Door, Add For Commercial Grade 3/4 Hour Fire Rated Door, Add For Commercial Grade 1 Hour Fire Rated Door, Add For Commercial Grade 1-1/2 Hour Rated Fire Door, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	527.08 66.87 156.03 115.51 35.00 53.49 240.73 334.34 534.95 106.99 -28.39 -41.56	40.65
08 14 16 00-0173	PR		Pair 2'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door For 7 Ply Core, Add For Solid Wood Staved Core (Glued Block), Add Note: Not used in conjunction with fire rating >20 minutes. For Exterior Grade Door, Add For Machining for Mortise Lock, Add For Commercial Grade 20 Minute Fire Rated Door, Add For Commercial Grade 3/4 Hour Fire Rated Door, Add For Commercial Grade 1 Hour Fire Rated Door, Add For Commercial Grade 1-1/2 Hour Rated Fire Door, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	533.89 67.34 157.12 116.47 35.00 53.87 242.41 336.68 538.68 107.74 -28.82 -42.17	42.49
08 14 16 00-0174	PR		Pair 3' x 7' x 1-3/4" Solid Core, Walnut Faced Door..... For 7 Ply Core, Add For Solid Wood Staved Core (Glued Block), Add Note: Not used in conjunction with fire rating >20 minutes. For Exterior Grade Door, Add For Machining for Mortise Lock, Add For Commercial Grade 20 Minute Fire Rated Door, Add For Commercial Grade 3/4 Hour Fire Rated Door, Add For Commercial Grade 1 Hour Fire Rated Door, Add For Commercial Grade 1-1/2 Hour Rated Fire Door, Add For Each 1' Of Additional Door Height, Add For >50 To 100, Deduct For >100, Deduct	576.61 73.19 170.78 126.42 35.00 58.55 263.48 365.95 585.52 117.10 -31.05 -45.46	44.35
08 14 16 00-0175			Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)		
08 14 16 00-0176	EA		Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes any standard manufacturer color on six sides. For Custom Color To Match Non Standard Manufacturer Finish, Add	40.62 13.53	
08 14 23			Clad Wood Doors (08 14)		
08 14 23 13			Metal-Faced Wood Doors (08 14 23) See CSI section 08 70 00 00-0000 for finish hardware.		
08 14 23 13-0001			24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)		
08 14 23 13-0002	EA		2' 6" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	296.83	47.84
08 14 23 13-0003	EA		2' 8" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	316.42	52.51
08 14 23 13-0004	EA		2' 10" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	339.05	57.95
08 14 23 13-0005	EA		3' x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	354.65	59.90
08 14 23 13-0006	EA		3' 4" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	378.39	65.93
08 14 23 13-0007	EA		3' 8" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	411.93	68.07
08 14 66			Wood Screen Doors (08 14)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 66 00-0001			Wood Screen Storm Door, Residential Grade (08 14 66) Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 14 66 00-0002	EA		2'-8" x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware.....	217.52	56.02
08 14 66 00-0003	EA		3' x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware	226.17	62.23
08 14 66 00-0004	EA		2'-8" x 7" Wood Screen Door, Residential, With Frame, Trim, Hardware.....	217.52	56.02
08 14 66 00-0005	EA		3' x 7" Wood Screen Door, Residential, With Frame, Trim, Hardware.....	226.17	62.23
08 14 73			Sliding Wood Doors (08 14)		
08 14 73 00-0001			Pocket Door (08 14 73) Note: Includes door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0054 for accessories to be added.		
08 14 73 00-0002			1-3/8" Thick (08 14 73 00-0001) See CSI section 08 14 73 00-0054 for all jambs and track hardware.		
08 14 73 00-0003			6'-8" High (08 14 73 00-0002)		
08 14 73 00-0004	EA		2' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	260.58	13.62
			For Oak, Add	64.41	
			For Ash/Hickory, Add	93.81	
			For Walnut, Add	136.75	
			For Cherry, Add	222.39	
08 14 73 00-0005	EA		2'-4" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	268.19	14.59
			For Oak, Add	65.97	
			For Ash/Hickory, Add	96.09	
			For Walnut, Add	140.07	
			For Cherry, Add	227.79	
08 14 73 00-0006	EA		2'-6" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	277.20	15.56
			For Oak, Add	67.92	
			For Ash/Hickory, Add	98.93	
			For Walnut, Add	144.21	
			For Cherry, Add	234.52	
08 14 73 00-0007	EA		2'-8" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	283.38	16.54
			For Oak, Add	69.09	
			For Ash/Hickory, Add	100.63	
			For Walnut, Add	146.69	
			For Cherry, Add	238.56	
08 14 73 00-0008	EA		2'-10" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	292.41	17.50
			For Oak, Add	71.04	
			For Ash/Hickory, Add	103.47	
			For Walnut, Add	150.84	
			For Cherry, Add	245.30	
08 14 73 00-0009	EA		3' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	300.01	18.47
			For Oak, Add	72.60	
			For Ash/Hickory, Add	105.75	
			For Walnut, Add	154.15	
			For Cherry, Add	250.70	
08 14 73 00-0010	EA		Pair 2' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	515.35	24.31
			For Oak, Add	128.81	
			For Ash/Hickory, Add	187.62	
			For Walnut, Add	273.50	
			For Cherry, Add	444.78	
08 14 73 00-0011	EA		Pair 2'-6" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	544.69	26.26
			For Oak, Add	135.84	
			For Ash/Hickory, Add	197.86	
			For Walnut, Add	288.42	
			For Cherry, Add	469.05	
08 14 73 00-0012	EA		Pair 3' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	582.52	28.20
			For Oak, Add	145.21	
			For Ash/Hickory, Add	211.50	
			For Walnut, Add	308.31	
			For Cherry, Add	501.39	
08 14 73 00-0013			7' High (08 14 73 00-0002)		
08 14 73 00-0014	EA		2' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	310.08	13.62
			For Oak, Add	66.19	
			For Ash/Hickory, Add	66.19	
			For Walnut, Add	108.90	
			For Cherry, Add	204.51	
08 14 73 00-0015	EA		2'-4" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	324.76	14.59
			For Oak, Add	69.17	
			For Ash/Hickory, Add	69.17	
			For Walnut, Add	113.80	
			For Cherry, Add	213.71	
08 14 73 00-0016	EA		2'-6" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	335.18	15.56
			For Oak, Add	71.15	
			For Ash/Hickory, Add	71.15	
			For Walnut, Add	117.07	
			For Cherry, Add	219.84	
08 14 73 00-0017	EA		2'-8" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	344.20	16.54
			For Oak, Add	72.81	
			For Ash/Hickory, Add	72.81	
			For Walnut, Add	119.79	
			For Cherry, Add	224.96	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0018	EA		2'-10" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	351.81	17.50
			For Oak, Add	74.13	
			For Ash/Hickory, Add	74.13	
			For Walnut, Add	121.97	
			For Cherry, Add	229.05	
08 14 73 00-0019	EA		3' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	362.24	18.47
			For Oak, Add	76.12	
			For Ash/Hickory, Add	76.12	
			For Walnut, Add	125.24	
			For Cherry, Add	235.18	
08 14 73 00-0020	EA		Pair 2' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	614.35	24.31
			For Oak, Add	132.38	
			For Ash/Hickory, Add	132.38	
			For Walnut, Add	217.80	
			For Cherry, Add	409.02	
08 14 73 00-0021	EA		Pair 2'-6" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	660.66	26.26
			For Oak, Add	142.31	
			For Ash/Hickory, Add	142.31	
			For Walnut, Add	234.14	
			For Cherry, Add	439.69	
08 14 73 00-0022	EA		Pair 3' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	706.98	28.20
			For Oak, Add	152.24	
			For Ash/Hickory, Add	152.24	
			For Walnut, Add	250.47	
			For Cherry, Add	470.37	
08 14 73 00-0023			1-3/4" Thick (08 14 73 00-0001) See CSI section 08 14 73 00-0054 for all jambs and track hardware.		
08 14 73 00-0024			6'-8" High (08 14 73 00-0023)		
08 14 73 00-0025	EA		2' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	394.94	13.62
			For Oak, Add	86.05	
			For Ash/Hickory, Add	86.05	
			For Walnut, Add	141.57	
			For Cherry, Add	265.86	
08 14 73 00-0026	EA		2'-4" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	413.86	14.59
			For Oak, Add	90.02	
			For Ash/Hickory, Add	90.02	
			For Walnut, Add	148.11	
			For Cherry, Add	278.13	
08 14 73 00-0027	EA		2'-6" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	424.29	15.56
			For Oak, Add	92.00	
			For Ash/Hickory, Add	92.00	
			For Walnut, Add	151.37	
			For Cherry, Add	284.27	
08 14 73 00-0028	EA		2'-8" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	436.13	16.54
			For Oak, Add	94.32	
			For Ash/Hickory, Add	94.32	
			For Walnut, Add	155.19	
			For Cherry, Add	291.43	
08 14 73 00-0029	EA		2'-10" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	446.57	17.50
			For Oak, Add	96.31	
			For Ash/Hickory, Add	96.31	
			For Walnut, Add	158.45	
			For Cherry, Add	297.56	
08 14 73 00-0030	EA		3' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	457.00	18.47
			For Oak, Add	98.29	
			For Ash/Hickory, Add	98.29	
			For Walnut, Add	161.72	
			For Cherry, Add	303.70	
08 14 73 00-0031	EA		Pair 2' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	784.07	24.31
			For Oak, Add	172.09	
			For Ash/Hickory, Add	172.09	
			For Walnut, Add	283.14	
			For Cherry, Add	531.72	
08 14 73 00-0032	EA		Pair 2'-6" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	838.86	26.26
			For Oak, Add	184.01	
			For Ash/Hickory, Add	184.01	
			For Walnut, Add	302.74	
			For Cherry, Add	568.53	
08 14 73 00-0033	EA		Pair 3' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	896.49	28.20
			For Oak, Add	196.58	
			For Ash/Hickory, Add	196.58	
			For Walnut, Add	323.43	
			For Cherry, Add	607.39	
08 14 73 00-0034			7' High (08 14 73 00-0023)		
08 14 73 00-0035	EA		2' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	423.22	13.62
			For Oak, Add	92.66	
			For Ash/Hickory, Add	92.66	
			For Walnut, Add	152.46	
			For Cherry, Add	286.31	
08 14 73 00-0036	EA		2'-4" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	444.97	14.59
			For Oak, Add	97.30	
			For Ash/Hickory, Add	97.30	
			For Walnut, Add	160.08	
			For Cherry, Add	300.62	

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0037	EA		2'-6" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	456.81	15.56
			<i>For Oak, Add</i>	99.61	
			<i>For Ash/Hickory, Add</i>	99.61	
			<i>For Walnut, Add</i>	163.89	
			<i>For Cherry, Add</i>	307.78	
08 14 73 00-0038	EA		2'-8" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	468.65	16.54
			<i>For Oak, Add</i>	101.93	
			<i>For Ash/Hickory, Add</i>	101.93	
			<i>For Walnut, Add</i>	167.71	
			<i>For Cherry, Add</i>	314.94	
08 14 73 00-0039	EA		2'-10" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	479.10	17.50
			<i>For Oak, Add</i>	103.92	
			<i>For Ash/Hickory, Add</i>	103.92	
			<i>For Walnut, Add</i>	170.97	
			<i>For Cherry, Add</i>	321.08	
08 14 73 00-0040	EA		3' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	490.94	18.47
			<i>For Oak, Add</i>	106.23	
			<i>For Ash/Hickory, Add</i>	106.23	
			<i>For Walnut, Add</i>	174.79	
			<i>For Cherry, Add</i>	328.23	
08 14 73 00-0041	EA		Pair 2' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	840.64	24.31
			<i>For Oak, Add</i>	185.33	
			<i>For Ash/Hickory, Add</i>	185.33	
			<i>For Walnut, Add</i>	304.92	
			<i>For Cherry, Add</i>	572.62	
08 14 73 00-0042	EA		Pair 2'-6" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	903.92	26.26
			<i>For Oak, Add</i>	199.23	
			<i>For Ash/Hickory, Add</i>	199.23	
			<i>For Walnut, Add</i>	327.79	
			<i>For Cherry, Add</i>	615.57	
08 14 73 00-0043	EA		Pair 3' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	964.38	28.20
			<i>For Oak, Add</i>	212.47	
			<i>For Ash/Hickory, Add</i>	212.47	
			<i>For Walnut, Add</i>	349.57	
			<i>For Cherry, Add</i>	656.47	
08 14 73 00-0044			8' High <small>(08 14 73 00-0023)</small>		
08 14 73 00-0045	EA		2' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	451.51	13.62
			<i>For Oak, Add</i>	99.28	
			<i>For Ash/Hickory, Add</i>	99.28	
			<i>For Walnut, Add</i>	163.35	
			<i>For Cherry, Add</i>	306.76	
08 14 73 00-0046	EA		2'-4" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	473.26	14.59
			<i>For Oak, Add</i>	103.92	
			<i>For Ash/Hickory, Add</i>	103.92	
			<i>For Walnut, Add</i>	170.97	
			<i>For Cherry, Add</i>	321.08	
08 14 73 00-0047	EA		2'-6" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	486.51	15.56
			<i>For Oak, Add</i>	106.56	
			<i>For Ash/Hickory, Add</i>	106.56	
			<i>For Walnut, Add</i>	175.33	
			<i>For Cherry, Add</i>	329.25	
08 14 73 00-0048	EA		2'-8" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	499.77	16.54
			<i>For Oak, Add</i>	109.21	
			<i>For Ash/Hickory, Add</i>	109.21	
			<i>For Walnut, Add</i>	179.69	
			<i>For Cherry, Add</i>	337.44	
08 14 73 00-0049	EA		2'-10" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	510.21	17.50
			<i>For Oak, Add</i>	111.20	
			<i>For Ash/Hickory, Add</i>	111.20	
			<i>For Walnut, Add</i>	182.95	
			<i>For Cherry, Add</i>	343.57	
08 14 73 00-0050	EA		3' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	523.47	18.47
			<i>For Oak, Add</i>	113.85	
			<i>For Ash/Hickory, Add</i>	113.85	
			<i>For Walnut, Add</i>	187.31	
			<i>For Cherry, Add</i>	351.75	
08 14 73 00-0051	EA		Pair 2' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	897.21	24.31
			<i>For Oak, Add</i>	198.57	
			<i>For Ash/Hickory, Add</i>	198.57	
			<i>For Walnut, Add</i>	326.70	
			<i>For Cherry, Add</i>	613.52	
08 14 73 00-0052	EA		Pair 2'-6" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	963.32	26.26
			<i>For Oak, Add</i>	213.13	
			<i>For Ash/Hickory, Add</i>	213.13	
			<i>For Walnut, Add</i>	350.66	
			<i>For Cherry, Add</i>	658.52	
08 14 73 00-0053	EA		Pair 3' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,029.44	28.20
			<i>For Oak, Add</i>	227.69	
			<i>For Ash/Hickory, Add</i>	227.69	
			<i>For Walnut, Add</i>	374.62	
			<i>For Cherry, Add</i>	703.51	
08 14 73 00-0054			Accessories <small>(08 14 73 00-0001)</small>		
08 14 73 00-0055			Jamb Replacement <small>(08 14 73 00-0054)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0056	EA		4-9/16 Or 4-3/4" Jamb, Birch <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	101.94 9.32 14.60 31.92 50.57	
08 14 73 00-0057	EA		5-1/4" Jamb, Birch <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	104.60 9.62 15.07 32.95 52.20	
08 14 73 00-0058	EA		6-9/16" Or 6-3/4" Jamb, Birch <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	121.90 11.58 18.13 39.65 62.80	
08 14 73 00-0059			Track And Hardware Replacement Kits (08 14 73 00-0054) Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0060	EA		Up To 2'-6" x 6'-8" Door Track And Hardware	160.39	
08 14 73 00-0061	EA		2'-8" x 6'-8" Door Track And Hardware	162.03	
08 14 73 00-0062	EA		3' x 6'-8" Door Track And Hardware.....	165.31	
08 14 73 00-0063	EA		Up To 2'-6" x 7' Door Track And Hardware.....	196.47	
08 14 73 00-0064	EA		2'-8" x 7' Door Track And Hardware.....	198.11	
08 14 73 00-0065	EA		3' x 7' Door Track And Hardware	201.39	
08 14 73 00-0066	EA		Up To 2'-6" x 8' Door Track And Hardware.....	212.87	
08 14 73 00-0067	EA		2'-8" x 8' Door Track And Hardware.....	214.51	
08 14 73 00-0068	EA		3' x 8' Door Track And Hardware	217.79	
08 14 73 00-0069	EA		Double Door Converging Kit.....	22.23	
08 14 73 00-0070			Lauan Faced Hollow Core Flush Bi-Pass Doors (08 14 73)		
08 14 73 00-0071	EA		4'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass.....	191.05	31.09
08 14 73 00-0072	EA		5'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass.....	203.72	33.04
08 14 73 00-0073	EA		6'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass.....	223.49	34.98
08 14 73 00-0074	EA		8'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass	328.72	36.93
08 14 73 00-0075			Birch Faced Hollow Core Flush Bi-Pass Doors (08 14 73)		
08 14 73 00-0076	EA		4'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass	207.94	31.09
08 14 73 00-0077	EA		5'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass	230.05	33.04
08 14 73 00-0078	EA		6'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass.....	252.46	34.98
08 14 73 00-0079	EA		8'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass.....	362.49	36.93
08 14 73 00-0080			Molded High Density Fiberboard Hollow Core Paneled Bi-Pass Doors (08 14 73)		
08 14 73 00-0081	EA		4'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	208.41	31.09
08 14 73 00-0082	EA		5'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	228.88	33.04
08 14 73 00-0083	EA		6'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	250.51	34.98
08 14 73 00-0084	EA		8'-0", Four 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	363.43	36.93
08 14 76			Bifolding Wood Doors (08 14)		
08 14 76 00-0001			Bi-Fold Wood Doors (08 14 76) Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes door frame and knobs.		
08 14 76 00-0002			Lauan Faced Hollow Core Flush Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0003	EA		2'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	87.97	23.32
08 14 76 00-0004	EA		2'-6", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	91.85	25.27
08 14 76 00-0005	EA		2'-8", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	98.50	27.21
08 14 76 00-0006	EA		3'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	102.39	29.15
08 14 76 00-0007	EA		4'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	141.50	31.09
08 14 76 00-0008	EA		5'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	145.39	33.04
08 14 76 00-0009	EA		6'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	155.12	34.98
08 14 76 00-0010			Birch Faced Hollow Core Flush Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0011	EA		2'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	94.71	23.32
08 14 76 00-0012	EA		2'-6", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	100.80	25.27
08 14 76 00-0013	EA		2'-8", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	108.94	27.21
08 14 76 00-0014	EA		3'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold	112.83	29.15
08 14 76 00-0015	EA		4'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	155.93	31.09
08 14 76 00-0016	EA		5'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	167.89	33.04
08 14 76 00-0017	EA		6'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	180.70	34.98
08 14 76 00-0018			Oak Faced Hollow Core Flush Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0019	EA		2'-0", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	95.02	23.32
08 14 76 00-0020	EA		2'-6", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	105.12	25.27
08 14 76 00-0021	EA		2'-8", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	112.92	27.21
08 14 76 00-0022	EA		3'-0", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	116.81	29.15
08 14 76 00-0023	EA		4'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	159.42	31.09
08 14 76 00-0024	EA		5'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	164.71	33.04

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 76 00-0025	EA	6'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold	180.70	34.98
08 14 76 00-0026		Pine Raised Panel Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0027	EA	2'-0", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	295.46	23.32
08 14 76 00-0028	EA	2'-6", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	339.54	25.27
08 14 76 00-0029	EA	2'-8", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	390.15	27.21
08 14 76 00-0030	EA	3'-0", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	394.04	29.15
08 14 76 00-0031	EA	4'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	559.82	31.09
08 14 76 00-0032	EA	5'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	644.11	33.04
08 14 76 00-0033	EA	6'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	741.44	34.98
08 14 76 00-0034		Oak Raised Panel Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0035	EA	2'-0", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold	387.81	23.32
08 14 76 00-0036	EA	2'-6", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold	421.03	25.27
08 14 76 00-0037	EA	2'-8", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold	460.78	27.21
08 14 76 00-0038	EA	3'-0", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold	464.67	29.15
08 14 76 00-0039	EA	4'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	744.53	31.09
08 14 76 00-0040	EA	5'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	807.09	33.04
08 14 76 00-0041	EA	6'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	882.69	34.98
08 14 76 00-0042		Molded High Density Fiberboard Hollow Core Paneled Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0043	EA	2'-0", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	90.34	23.32
08 14 76 00-0044	EA	2'-6", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	96.99	25.27
08 14 76 00-0045	EA	2'-8", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	106.75	27.21
08 14 76 00-0046	EA	3'-0", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	105.70	29.15
08 14 76 00-0047	EA	4'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	137.59	31.09
08 14 76 00-0048	EA	5'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	149.23	33.04
08 14 76 00-0049	EA	6'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	169.88	34.98

08 15 Plastic Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 15 13 Laminated Plastic Doors (08 15)

See CSI section 08 70 00 00-0000 for finish hardware.

08 15 13 00-0001		Laminated Plastic Doors (08 15 13)		
		Note: 0.125" acrylic/PVC thermoplastic face sheet over 1-1/2" x 1-1/2" x 16 gauge welded steel tube framework and a core of resin impregnated Kraft honeycomb (Urethane insulation). Panel capping channel to be 304 stainless steel.		
08 15 13 00-0002	EA	Door, Plastic Clad 1-3/8", 1/6 X 6/8	243.26	19.45
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0003	EA	Door, Plastic Clad 1-3/4", 1/6 X 6/8	243.26	19.45
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0004	EA	Door, Plastic Clad 1-3/8", 1/6 X 7/0	243.26	19.45
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0005	EA	Door, Plastic Clad 1-3/4", 1/6 X 7/0	243.26	19.45
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0006	EA	Door, Plastic Clad 1-3/8", 2/0 X 6/8	247.15	21.39
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0007	EA	Door, Plastic Clad 1-3/4", 2/0 X 6/8	247.15	21.39
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0008	EA	Door, Plastic Clad 1-3/8", 2/0 X 7/0	247.15	21.39
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0009	EA	Door, Plastic Clad 1-3/4", 2/0 X 7/0	247.15	21.39
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0010	EA	Door, Plastic Clad 1-3/8", 2/6 X 6/8	270.19	22.37
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0011	EA	Door, Plastic Clad 1-3/4", 2/6 X 6/8	270.19	22.37
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0012	EA	Door, Plastic Clad 1-3/8", 2/6 X 7/0	270.19	21.39
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0013	EA	Door, Plastic Clad 1-3/4", 2/6 X 7/0	270.19	22.37
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0014	EA	Door, Plastic Clad 1-3/8", 3/0 X 6/8	293.25	23.34
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0015	EA	Door, Plastic Clad 1-3/4", 3/0 X 6/8	293.25	23.34
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0016	EA	Door, Plastic Clad 1-3/8", 3/0 X 7/0	293.25	23.34
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0017	EA	Door, Plastic Clad 1-3/4", 3/0 X 7/0	293.25	23.34
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0018	EA	Door, Plastic Clad 1-3/8", 3/6 X 6/8	328.52	24.31
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0019	EA	Door, Plastic Clad 1-3/4", 3/6 X 6/8	328.52	24.31
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0020	EA	Door, Plastic Clad 1-3/8", 3/6 X 7/0	328.52	24.31
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0021	EA	Door, Plastic Clad 1-3/4", 3/6 X 7/0	328.52	24.31
		For Machining for Mortise Lock, Add	35.00	
08 15 13 00-0022	EA	Door, Plastic Clad 1-3/8", 4/0 X 6/8	375.71	26.26
		For Machining for Mortise Lock, Add	35.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 15 13 00-0023	EA Door, Plastic Clad 1-3/4", 4/0 X 6/8 <i>For Machining for Mortise Lock, Add</i>	375.71 35.00	26.26
08 15 13 00-0024	EA Door, Plastic Clad 1-3/8", 4/0 X 7/0 <i>For Machining for Mortise Lock, Add</i>	375.71 35.00	26.26
08 15 13 00-0025	EA Door, Plastic Clad 1-3/4", 4/0 X 7/0 <i>For Machining for Mortise Lock, Add</i>	375.71 35.00	26.26

08 16 Composite Doors (08 10)

Note: Includes machining for all hardware. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors (08 16 13)		
08 16 13 00-0002	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0001)		
08 16 13 00-0003	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0002)		
08 16 13 00-0004	Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0005	6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)		
08 16 13 00-0006	EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,068.77 110.05 244.96	23.34
08 16 13 00-0007	EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,209.60 110.05 244.96	24.31
08 16 13 00-0008	EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,422.99 110.05 244.96	26.26
08 16 13 00-0009	PR Pair 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,780.93 220.10 489.91	44.35
08 16 13 00-0010	PR Pair 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,029.44 220.10 489.91	46.19
08 16 13 00-0011	PR Pair 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,488.81 220.10 489.91	49.88
08 16 13 00-0012	7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)		
08 16 13 00-0013	EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,068.77 110.05 244.96	23.34
08 16 13 00-0014	EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,266.10 110.05 244.96	24.31
08 16 13 00-0015	EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,483.01 110.05 244.96	26.26
08 16 13 00-0016	PR Pair 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,780.93 220.10 489.91	44.35
08 16 13 00-0017	PR Pair 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,280.15 220.10 489.91	46.19
08 16 13 00-0018	PR Pair 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,608.87 220.10 489.91	49.88
08 16 13 00-0019	Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0020	45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0019)		
08 16 13 00-0021	6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0020)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 16 13 00-0022	EA		3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,464.24	23.34
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0023	EA		3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,514.45	24.31
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0024	EA		4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,870.25	26.26
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0025	PR		Pair 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,356.48	44.35
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0026	PR		Pair 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,408.44	46.19
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0027	PR		Pair 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,167.94	49.88
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0028			7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0020)</small>		
08 16 13 00-0029	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,464.24	23.34
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0030	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,698.06	24.31
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0031	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,938.51	26.26
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0032	PR		Pair 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,356.48	44.35
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0033	PR		Pair 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,776.84	46.19
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0034	PR		Pair 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,305.65	49.88
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0035			60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0019)</small>		
08 16 13 00-0036			6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0035)</small>		
08 16 13 00-0037	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,464.24	23.34
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0038	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,514.45	24.31
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0039	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,870.25	26.26
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0040	PR		Pair 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,356.48	44.35
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0041	PR		Pair 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,408.44	46.19
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0042	PR		Pair 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,167.94	49.88
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0043			7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0035)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0044	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,464.24	23.34
			For Custom Color Finish, Add	110.05	
			For Stainless Steel Continuous Hinge, Add	244.96	
08 16 13 00-0045	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,698.06	24.31
			For Custom Color Finish, Add	110.05	
			For Stainless Steel Continuous Hinge, Add	244.96	
08 16 13 00-0046	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,938.51	26.26
			For Custom Color Finish, Add	110.05	
			For Stainless Steel Continuous Hinge, Add	244.96	
08 16 13 00-0047	PR		Pair 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,356.48	44.35
			For Custom Color Finish, Add	220.10	
			For Stainless Steel Continuous Hinge, Add	489.91	
08 16 13 00-0048	PR		Pair 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,776.84	46.19
			For Custom Color Finish, Add	220.10	
			For Stainless Steel Continuous Hinge, Add	489.91	
08 16 13 00-0049	PR		Pair 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,305.65	49.88
			For Custom Color Finish, Add	220.10	
			For Stainless Steel Continuous Hinge, Add	489.91	
08 16 13 00-0050			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0019)		
08 16 13 00-0051			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0050)		
08 16 13 00-0052	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,464.24	23.34
			For Custom Color Finish, Add	110.05	
			For Stainless Steel Continuous Hinge, Add	244.96	
08 16 13 00-0053	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,514.45	24.31
			For Custom Color Finish, Add	110.05	
			For Stainless Steel Continuous Hinge, Add	244.96	
08 16 13 00-0054	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,870.25	26.26
			For Custom Color Finish, Add	110.05	
			For Stainless Steel Continuous Hinge, Add	244.96	
08 16 13 00-0055	PR		Pair 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,356.48	44.35
			For Custom Color Finish, Add	220.10	
			For Stainless Steel Continuous Hinge, Add	489.91	
08 16 13 00-0056	PR		Pair 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,408.44	46.19
			For Custom Color Finish, Add	220.10	
			For Stainless Steel Continuous Hinge, Add	489.91	
08 16 13 00-0057	PR		Pair 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,167.94	49.88
			For Custom Color Finish, Add	220.10	
			For Stainless Steel Continuous Hinge, Add	489.91	
08 16 13 00-0058			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0050)		
08 16 13 00-0059	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,464.24	23.34
			For Custom Color Finish, Add	110.05	
			For Stainless Steel Continuous Hinge, Add	244.96	
08 16 13 00-0060	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,698.06	24.31
			For Custom Color Finish, Add	110.05	
			For Stainless Steel Continuous Hinge, Add	244.96	
08 16 13 00-0061	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,938.51	26.26
			For Custom Color Finish, Add	110.05	
			For Stainless Steel Continuous Hinge, Add	244.96	
08 16 13 00-0062	PR		Pair 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,356.48	44.35
			For Custom Color Finish, Add	220.10	
			For Stainless Steel Continuous Hinge, Add	489.91	
08 16 13 00-0063	PR		Pair 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,776.84	46.19
			For Custom Color Finish, Add	220.10	
			For Stainless Steel Continuous Hinge, Add	489.91	
08 16 13 00-0064	PR		Pair 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,305.65	49.88
			For Custom Color Finish, Add	220.10	
			For Stainless Steel Continuous Hinge, Add	489.91	

08 Openings**08 10 Doors And Frames****08 16 Composite Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 16 13 00-0065		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0003)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0066		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0065)</small>		
08 16 13 00-0067	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <small>(08 16 13 00-0065)</small> For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	2,190.00 110.05 244.96	23.34
08 16 13 00-0068		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0065)</small>		
08 16 13 00-0069	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <small>(08 16 13 00-0065)</small> For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	2,190.00 110.05 244.96	23.34
08 16 13 00-0070		Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) <small>(08 16 13 00-0002)</small>		
08 16 13 00-0071	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf)	0.30	
08 16 13 00-0072	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf)	0.31	
08 16 13 00-0073	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.40	
08 16 13 00-0074	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.39	
08 16 13 00-0075	SI	Factory Installed Molded Louver (Chem-Pruf)	0.77	
08 16 13 00-0076	SI	Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	0.87	
08 16 13 00-0077	LF	Weather Strip (Chem-Pruf)	8.24	
08 16 13 00-0078	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf)	10.59	
08 16 13 00-0079	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	22.36	
08 16 13 00-0080	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	24.72	
08 16 13 00-0081	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf)	48.26	
08 16 13 00-0082		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0001)</small>		
08 16 13 00-0083		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0082)</small> Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0084		Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0083)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0085		6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0084)</small>		
08 16 13 00-0086	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <small>(08 16 13 00-0084)</small> For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	1,570.40 110.05 244.96	23.34
08 16 13 00-0087	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <small>(08 16 13 00-0084)</small> For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	1,590.86 110.05 244.96	24.31
08 16 13 00-0088	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <small>(08 16 13 00-0084)</small> For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	1,665.95 110.05 244.96	26.26
08 16 13 00-0089	PR	Pair 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <small>(08 16 13 00-0084)</small> For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	2,911.10 220.10 489.91	44.35
08 16 13 00-0090	PR	Pair 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <small>(08 16 13 00-0084)</small> For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	2,951.83 220.10 489.91	46.19
08 16 13 00-0091	PR	Pair 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <small>(08 16 13 00-0084)</small> For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	3,101.65 220.10 489.91	49.88
08 16 13 00-0092		7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0084)</small>		
08 16 13 00-0093	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <small>(08 16 13 00-0084)</small> For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	1,570.40 110.05 244.96	23.34
08 16 13 00-0094	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <small>(08 16 13 00-0084)</small> For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	1,662.07 110.05 244.96	24.31
08 16 13 00-0095	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <small>(08 16 13 00-0084)</small> For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	1,665.95 110.05 244.96	26.26
08 16 13 00-0096	PR	Pair 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <small>(08 16 13 00-0084)</small> For Custom Color Finish, Add For Stainless Steel Continuous Hinge, Add	2,911.10 220.10 489.91	44.35



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0097	PR		Pair 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,094.25 220.10 489.91	46.19
08 16 13 00-0098	PR		Pair 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,101.65 220.10 489.91	49.88
08 16 13 00-0099			Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0083)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0100			45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0099)</small>		
08 16 13 00-0101			6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0100)</small>		
08 16 13 00-0102	EA		3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,638.53 110.05 244.96	23.34
08 16 13 00-0103	EA		3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,691.75 110.05 244.96	24.31
08 16 13 00-0104	EA		4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,818.11 110.05 244.96	26.26
08 16 13 00-0105	PR		Pair 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,752.55 220.10 489.91	44.35
08 16 13 00-0106	PR		Pair 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,858.79 220.10 489.91	46.19
08 16 13 00-0107	PR		Pair 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	5,111.15 220.10 489.91	49.88
08 16 13 00-0108			7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0100)</small>		
08 16 13 00-0109	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,638.53 110.05 244.96	23.34
08 16 13 00-0110	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,711.69 110.05 244.96	24.31
08 16 13 00-0111	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,879.35 110.05 244.96	26.26
08 16 13 00-0112	PR		Pair 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,752.55 220.10 489.91	44.35
08 16 13 00-0113	PR		Pair 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,898.67 220.10 489.91	46.19
08 16 13 00-0114	PR		Pair 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	5,233.63 220.10 489.91	49.88
08 16 13 00-0115			60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0099)</small>		
08 16 13 00-0116			6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0115)</small>		
08 16 13 00-0117	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,638.53 110.05 244.96	23.34
08 16 13 00-0118	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,691.75 110.05 244.96	24.31

08 Openings
08 10 Doors And Frames
08 16 Composite Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0119	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,818.11	26.26
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0120	PR		Pair 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,752.55	44.35
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0121	PR		Pair 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,858.79	46.19
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0122	PR		Pair 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,111.15	49.88
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0123			7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0115)</small>		
08 16 13 00-0124	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,638.53	23.34
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0125	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,711.69	24.31
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0126	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,879.35	26.26
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0127	PR		Pair 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,752.55	44.35
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0128	PR		Pair 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,898.67	46.19
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0129	PR		Pair 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,233.63	49.88
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0130			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0099)</small>		
08 16 13 00-0131			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0130)</small>		
08 16 13 00-0132	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,638.53	23.34
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0133	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,691.75	24.31
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0134	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,818.11	26.26
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0135	PR		Pair 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,752.55	44.35
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0136	PR		Pair 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,858.79	46.19
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0137	PR		Pair 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,111.15	49.88
			<i>For Custom Color Finish, Add</i>	220.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	489.91	
08 16 13 00-0138			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0130)</small>		
08 16 13 00-0139	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,638.53	23.34
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	
08 16 13 00-0140	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,711.69	24.31
			<i>For Custom Color Finish, Add</i>	110.05	
			<i>For Stainless Steel Continuous Hinge, Add</i>	244.96	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0141	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,879.35 110.05 244.96	26.26
08 16 13 00-0142	PR		Pair 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,752.55 220.10 489.91	44.35
08 16 13 00-0143	PR		Pair 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,898.67 220.10 489.91	46.19
08 16 13 00-0144	PR		Pair 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	5,233.63 220.10 489.91	49.88
08 16 13 00-0145			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0083) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0146			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0145)		
08 16 13 00-0147	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,784.03 110.05 244.96	23.34
08 16 13 00-0148			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0145)		
08 16 13 00-0149	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,784.03 110.05 244.96	23.34
08 16 13 00-0150			Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) (08 16 13 00-0082)		
08 16 13 00-0151	SI		1/4" Tempered, Factory Installed Vision Glass (Skule Door)	0.67	
08 16 13 00-0152	SI		1/4" Laminated, Factory Installed Vision Glass (Skule Door)	0.69	
08 16 13 00-0153	SI		1/4" Wire, Factory Installed Vision Glass (Skule Door)	0.73	
08 16 13 00-0154	SI		1/2" Insulated, Factory Installed Vision Glass (Skule Door)	1.05	
08 16 13 00-0155	SI		Factory Installed Molded Louver (Skule Door)	0.42	
08 16 13 00-0156	SI		Factory Installed Molded Louver With Insect Screen (Skule Door)	0.66	
08 16 13 00-0157	LF		Weather Strip (Skule Door)	5.70	
08 16 13 00-0158	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	7.12	
08 16 13 00-0159	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door)	22.79	
08 16 13 00-0160	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door)	81.18	
08 16 13 00-0161	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door)	31.33	
08 17 Integrated Door Opening Assemblies (08 10)					
08 17 23 Integrated Metal Door Opening Assemblies (08 17)					
08 17 23 00-0001			Pre-Hung Interior Door Units (08 17 23) Note: All prehung doors include door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset. See CSI section 08 70 00 00-0000 for finish hardware.		
08 17 23 00-0002			Hollow Core Doors, 1-3/8" Thick (08 17 23 00-0001)		
08 17 23 00-0003			Birch Faced (08 17 23 00-0002)		
08 17 23 00-0004	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	180.73 31.70	24.31
08 17 23 00-0005	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	188.84 33.65	24.31
08 17 23 00-0006	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	198.90 35.60	25.29
08 17 23 00-0007	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	203.26 36.18	26.26
08 17 23 00-0008	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	217.98 39.71	26.26
08 17 23 00-0009	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	230.53 42.26	27.23
08 17 23 00-0010	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	343.93 63.41	39.87
08 17 23 00-0011	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	366.01 67.31	42.79
08 17 23 00-0012	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	392.91 72.36	45.71
08 17 23 00-0013			Lauan Faced (08 17 23 00-0002)		
08 17 23 00-0014	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	163.45 27.56	24.31

08 Openings**08 10 Doors And Frames****08 17 Integrated Door Opening Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door.....	171.23	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	29.42	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door.....	179.73	25.29
		<i>For Each 1' Of Additional Door Height, Add</i>	31.00	
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door.....	186.31	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	32.11	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door.....	199.11	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	35.18	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door.....	210.43	27.23
		<i>For Each 1' Of Additional Door Height, Add</i>	37.43	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door.....	309.38	39.87
		<i>For Each 1' Of Additional Door Height, Add</i>	55.11	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door.....	330.75	42.79
		<i>For Each 1' Of Additional Door Height, Add</i>	58.84	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door.....	359.05	45.71
		<i>For Each 1' Of Additional Door Height, Add</i>	64.23	
08 17 23 00-0023		Tempered Hardboard Faced (08 17 23 00-0002)		
08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	138.63	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	21.60	
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	145.20	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	23.18	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	150.24	25.29
		<i>For Each 1' Of Additional Door Height, Add</i>	23.92	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	158.42	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	25.42	
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	170.07	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	28.21	
08 17 23 00-0029	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	179.54	27.23
		<i>For Each 1' Of Additional Door Height, Add</i>	30.02	
08 17 23 00-0030	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	259.75	39.87
		<i>For Each 1' Of Additional Door Height, Add</i>	43.20	
08 17 23 00-0031	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	278.70	42.79
		<i>For Each 1' Of Additional Door Height, Add</i>	46.35	
08 17 23 00-0032	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door.....	303.23	45.71
		<i>For Each 1' Of Additional Door Height, Add</i>	50.84	
08 17 23 00-0033		Solid Core Doors, 1-3/8" Thick (08 17 23 00-0001)		
08 17 23 00-0034		Birch Faced (08 17 23 00-0033)		
08 17 23 00-0035	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door.....	243.14	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	46.68	
08 17 23 00-0036	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door.....	253.37	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	49.14	
08 17 23 00-0037	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door.....	265.51	25.29
		<i>For Each 1' Of Additional Door Height, Add</i>	51.59	
08 17 23 00-0038	EA	3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door.....	279.91	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	54.58	
08 17 23 00-0039	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door.....	304.88	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	60.57	
08 17 23 00-0040	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door.....	328.89	27.23
		<i>For Each 1' Of Additional Door Height, Add</i>	65.86	
08 17 23 00-0041	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door.....	468.76	39.87
		<i>For Each 1' Of Additional Door Height, Add</i>	93.36	
08 17 23 00-0042	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door.....	495.05	42.79
		<i>For Each 1' Of Additional Door Height, Add</i>	98.28	
08 17 23 00-0043	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door.....	546.20	45.71
		<i>For Each 1' Of Additional Door Height, Add</i>	109.15	
08 17 23 00-0044		Luan Faced (08 17 23 00-0033)		
08 17 23 00-0045	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door.....	217.03	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	40.42	
08 17 23 00-0046	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door.....	226.29	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	42.64	
08 17 23 00-0047	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door.....	237.47	25.29
		<i>For Each 1' Of Additional Door Height, Add</i>	44.86	
08 17 23 00-0048	EA	3' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door.....	248.76	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	47.10	
08 17 23 00-0049	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door.....	270.35	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	52.28	
08 17 23 00-0050	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door.....	286.24	27.23
		<i>For Each 1' Of Additional Door Height, Add</i>	55.63	
08 17 23 00-0051	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door.....	416.54	39.87
		<i>For Each 1' Of Additional Door Height, Add</i>	80.83	
08 17 23 00-0052	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door.....	440.90	42.79
		<i>For Each 1' Of Additional Door Height, Add</i>	85.28	
08 17 23 00-0053	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door.....	483.90	45.71
		<i>For Each 1' Of Additional Door Height, Add</i>	94.20	
08 17 23 00-0054		Tempered Hardboard Faced (08 17 23 00-0033)		
08 17 23 00-0055	EA	2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door.....	193.78	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	34.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0056	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	202.18 36.85	24.31
08 17 23 00-0057	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	212.55 38.88	25.29
08 17 23 00-0058	EA		3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	217.61 39.62	26.26
08 17 23 00-0059	EA		3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	235.82 43.99	26.26
08 17 23 00-0060	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	249.51 46.81	27.23
08 17 23 00-0061	PR		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	370.04 69.67	39.87
08 17 23 00-0062	PR		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	392.67 73.70	42.79
08 17 23 00-0063	PR		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	421.60 79.25	45.71
08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick (08 17 23 00-0001)					
08 17 23 00-0065 Birch Faced (08 17 23 00-0064)					
08 17 23 00-0066	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	213.73 39.62	24.31
08 17 23 00-0067	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	219.96 41.12	24.31
08 17 23 00-0068	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	224.20 41.67	25.29
08 17 23 00-0069	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	236.30 44.11	26.26
08 17 23 00-0070	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	263.26 50.58	26.26
08 17 23 00-0071	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	296.71 58.14	27.23
08 17 23 00-0072	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	409.96 79.25	39.87
08 17 23 00-0073	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	428.23 82.24	42.79
08 17 23 00-0074	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	459.01 88.22	45.71
08 17 23 00-0075 Lauan Faced (08 17 23 00-0064)					
08 17 23 00-0076	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	194.48 35.00	24.31
08 17 23 00-0077	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	204.53 37.42	24.31
08 17 23 00-0078	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	214.62 39.37	25.29
08 17 23 00-0079	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	219.80 40.15	26.26
08 17 23 00-0080	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	238.19 44.56	26.26
08 17 23 00-0081	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	252.02 47.41	27.23
08 17 23 00-0082	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	371.45 70.01	39.87
08 17 23 00-0083	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	397.39 74.84	42.79
08 17 23 00-0084	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	425.99 80.30	45.71
08 17 23 00-0085 Tempered Hardboard Faced (08 17 23 00-0064)					
08 17 23 00-0086	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	160.77 26.91	24.31
08 17 23 00-0087	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	163.89 27.66	24.31
08 17 23 00-0088	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	172.05 29.16	25.29
08 17 23 00-0089	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	180.24 30.66	26.26
08 17 23 00-0090	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	187.35 32.36	26.26
08 17 23 00-0091	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	197.94 34.44	27.23
08 17 23 00-0092	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	304.00 53.82	39.87
08 17 23 00-0093	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	316.10 55.33	42.79
08 17 23 00-0094	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	346.87 61.31	45.71
08 17 23 00-0095 Solid Core Doors, 1-3/4" Thick (08 17 23 00-0001)					
08 17 23 00-0096 Birch Faced (08 17 23 00-0095)					

08 Openings**08 10 Doors And Frames****08 17 Integrated Door Opening Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 17 23 00-0097	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	272.92	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	53.83	
08 17 23 00-0098	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	282.26	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	56.07	
08 17 23 00-0099	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	287.32	25.29
		<i>For Each 1' Of Additional Door Height, Add</i>	56.82	
08 17 23 00-0100	EA	3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	298.60	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	59.06	
08 17 23 00-0101	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	325.68	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	65.56	
08 17 23 00-0102	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	354.96	27.23
		<i>For Each 1' Of Additional Door Height, Add</i>	72.12	
08 17 23 00-0103	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	528.33	39.87
		<i>For Each 1' Of Additional Door Height, Add</i>	107.66	
08 17 23 00-0104	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	552.83	42.79
		<i>For Each 1' Of Additional Door Height, Add</i>	112.14	
08 17 23 00-0105	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	583.60	45.71
		<i>For Each 1' Of Additional Door Height, Add</i>	118.13	
08 17 23 00-0106 Lauan Faced (08 17 23 00-0095)				
08 17 23 00-0107	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	277.85	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	55.01	
08 17 23 00-0108	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	278.52	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	55.17	
08 17 23 00-0109	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	287.05	25.29
		<i>For Each 1' Of Additional Door Height, Add</i>	56.76	
08 17 23 00-0110	EA	3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	293.78	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	57.90	
08 17 23 00-0111	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	315.59	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	63.14	
08 17 23 00-0112	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	334.37	27.23
		<i>For Each 1' Of Additional Door Height, Add</i>	67.18	
08 17 23 00-0113	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	538.19	39.87
		<i>For Each 1' Of Additional Door Height, Add</i>	110.03	
08 17 23 00-0114	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	545.35	42.79
		<i>For Each 1' Of Additional Door Height, Add</i>	110.35	
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	573.95	45.71
		<i>For Each 1' Of Additional Door Height, Add</i>	115.81	
08 17 23 00-0116 Tempered Hardboard Faced (08 17 23 00-0095)				
08 17 23 00-0117	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	226.19	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	42.61	
08 17 23 00-0118	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	229.30	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	43.36	
08 17 23 00-0119	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	234.35	25.29
		<i>For Each 1' Of Additional Door Height, Add</i>	44.11	
08 17 23 00-0120	EA	3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	242.54	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	45.61	
08 17 23 00-0121	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	256.48	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	48.95	
08 17 23 00-0122	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	271.48	27.23
		<i>For Each 1' Of Additional Door Height, Add</i>	52.08	
08 17 23 00-0123	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	434.86	39.87
		<i>For Each 1' Of Additional Door Height, Add</i>	85.23	
08 17 23 00-0124	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	446.91	42.79
		<i>For Each 1' Of Additional Door Height, Add</i>	86.72	
08 17 23 00-0125	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	471.46	45.71
		<i>For Each 1' Of Additional Door Height, Add</i>	91.21	
08 17 23 00-0126 Oak Or Maple Faced (08 17 23 00-0095)				
08 17 23 00-0127	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	330.64	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	67.68	
08 17 23 00-0128	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	332.37	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	68.10	
08 17 23 00-0129	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	348.89	25.29
		<i>For Each 1' Of Additional Door Height, Add</i>	71.60	
08 17 23 00-0130	EA	3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	354.63	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	72.51	
08 17 23 00-0131	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	387.39	26.26
		<i>For Each 1' Of Additional Door Height, Add</i>	80.37	
08 17 23 00-0132	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	428.14	27.23
		<i>For Each 1' Of Additional Door Height, Add</i>	89.68	
08 17 23 00-0133	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	643.78	39.87
		<i>For Each 1' Of Additional Door Height, Add</i>	135.37	
08 17 23 00-0134	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	653.07	42.79
		<i>For Each 1' Of Additional Door Height, Add</i>	136.20	
08 17 23 00-0135	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	695.66	45.71
		<i>For Each 1' Of Additional Door Height, Add</i>	145.02	
08 17 23 00-0136 Walnut Faced (08 17 23 00-0095)				
08 17 23 00-0137	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	418.73	24.31
		<i>For Each 1' Of Additional Door Height, Add</i>	88.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0138	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	434.11 92.52	24.31
08 17 23 00-0139	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	441.20 93.75	25.29
08 17 23 00-0140	EA		3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	458.56 97.45	26.26
08 17 23 00-0141	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	503.23 108.17	26.26
08 17 23 00-0142	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	550.29 119.00	27.23
08 17 23 00-0143	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	819.93 177.65	39.87
08 17 23 00-0144	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	856.54 185.03	42.79
08 17 23 00-0145	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	903.51 194.90	45.71

08 30 Specialty Doors And Frames (08)

08 31 Access Doors And Panels (08 30)

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors And Frames (08 31)

08 31 13 00-0001			Stainless Steel Access Doors (08 31 13)		
08 31 13 00-0002			Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)		
08 31 13 00-0003	EA		12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	322.06	21.54
08 31 13 00-0004	EA		12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	379.42	22.95
08 31 13 00-0005	EA		18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	448.37	24.28
08 31 13 00-0006	EA		24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	522.93	25.51
08 31 13 00-0007	EA		24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	535.95	25.64
08 31 13 00-0008	EA		24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	695.00	26.43
08 31 13 00-0009			Stainless Steel Access Doors (08 31 13 00-0001)		
08 31 13 00-0010	EA		8" x 8" Stainless Steel Access Door With Cam Latch	104.65	16.53
08 31 13 00-0011	EA		12" x 12" Stainless Steel Access Door With Cam Latch	130.56	21.54
08 31 13 00-0012	EA		12" x 18" Stainless Steel Access Door With Cam Latch	202.10	22.95
08 31 13 00-0013	EA		18" x 18" Stainless Steel Access Door With Cam Latch	217.64	24.28
08 31 13 00-0014	EA		24" x 18" Stainless Steel Access Door With Cam Latch	258.23	25.51
08 31 13 00-0015	EA		24" x 24" Stainless Steel Access Door With Cam Latch	301.48	25.64
08 31 13 00-0016			Steel Access Doors (08 31 13)		
			Note: Includes paintable powder coated finish.		
08 31 13 00-0017			Fire Rated Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0018	EA		12" x 12" Fire Rated Steel Access Door With Cam Latch	158.90	21.67
08 31 13 00-0019	EA		12" x 18" Fire Rated Steel Access Door With Cam Latch	202.11	22.95
08 31 13 00-0020	EA		18" x 18" Fire Rated Steel Access Door With Cam Latch	200.12	24.28
08 31 13 00-0021	EA		24" x 18" Fire Rated Steel Access Door With Cam Latch	242.08	25.64
08 31 13 00-0022	EA		24" x 24" Fire Rated Steel Access Door With Cam Latch	254.64	25.64
08 31 13 00-0023	EA		24" x 36" Fire Rated Steel Access Door With Cam Latch	337.53	26.43
08 31 13 00-0024	EA		24" x 48" Fire Rated Steel Access Door With Cam Latch	394.15	27.54
08 31 13 00-0025	EA		36" x 36" Fire Rated Steel Access Door With Cam Latch	498.11	27.54
08 31 13 00-0026	EA		48" x 48" Fire Rated Steel Access Door With Cam Latch	643.06	33.04
08 31 13 00-0027			Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0028	EA		8" x 8" Steel Access Door With Cam Latch	68.76	16.61
08 31 13 00-0029	EA		12" x 12" Steel Access Door With Cam Latch	73.77	21.67
08 31 13 00-0030	EA		12" x 18" Steel Access Door With Cam Latch	87.69	22.95
08 31 13 00-0031	EA		18" x 18" Steel Access Door With Cam Latch	89.19	24.28
08 31 13 00-0032	EA		24" x 18" Steel Access Door With Cam Latch	110.22	25.64
08 31 13 00-0033	EA		24" x 24" Steel Access Door With Cam Latch	113.69	25.64
08 31 13 00-0034	EA		24" x 36" Steel Access Door With Cam Latch	148.45	26.43
08 31 13 00-0035	EA		36" x 36" Steel Access Door With Cam Latch	208.46	27.54
08 31 13 00-0036			Steel Recessed Access Doors For Drywall Application (08 31 13)		
			Note: Includes paintable powder coated finish.		
08 31 13 00-0037	EA		8" x 8" Recessed Steel Access Door With Cam Latch	110.48	16.53
			<i>For Recessed Doors In Acoustical Tile, Add</i>	1.60	
08 31 13 00-0038	EA		12" x 12" Recessed Steel Access Door With Cam Latch	114.94	17.71
			<i>For Recessed Doors In Acoustical Tile, Add</i>	2.23	
08 31 13 00-0039	EA		12" x 18" Recessed Steel Access Door With Cam Latch	124.02	18.72
			<i>For Recessed Doors In Acoustical Tile, Add</i>	2.00	
08 31 13 00-0040	EA		18" x 18" Recessed Steel Access Door With Cam Latch	149.19	19.83
			<i>For Recessed Doors In Acoustical Tile, Add</i>	-0.57	
08 31 13 00-0041	EA		24" x 18" Recessed Steel Access Door With Cam Latch	156.84	20.92
			<i>For Recessed Doors In Acoustical Tile, Add</i>	-0.51	
08 31 13 00-0042	EA		24" x 24" Recessed Steel Access Door With Cam Latch	175.11	20.92
			<i>For Recessed Doors In Acoustical Tile, Add</i>	-3.25	

08 Openings**08 30 Specialty Doors And Frames****08 31 Access Doors And Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0043	EA		24" x 36" Recessed Steel Access Door With Cam Latch.....	217.52	26.43
			<i>For Recessed Doors In Acoustical Tile, Add</i>	-3.55	
08 31 13 00-0044	EA		36" x 36" Recessed Steel Access Door With Cam Latch.....	328.19	27.54
			<i>For Recessed Doors In Acoustical Tile, Add</i>	-18.94	
08 31 13 00-0045			Steel Crawl Space Doors And Frames (08 31 13)		
			Note: Includes paintable powder coated finish.		
08 31 13 00-0046	EA		24" x 24" Steel Crawl Space Door With Cam Latch	123.78	27.88
08 31 13 00-0047	EA		30" x 24" Steel Crawl Space Door With Cam Latch	180.91	33.79
08 31 13 00-0048	EA		30" x 30" Steel Crawl Space Door With Cam Latch	204.22	36.70

08 32 Sliding Glass Doors (08 30)

Note: Includes stock frames, trim, necessary anchors and Usual hardware.

08 32 13 Sliding Aluminum-Framed Glass Doors (08 32)**08 32 13 00-0001 Residential Sliding Aluminum-Framed Glass Doors** (08 32 13)**08 32 13 00-0002 5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors** (08 32 13 00-0001)

08 32 13 00-0003	SF		Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware.....	16.11	1.75
			<i>For Custom Quality, Add</i>	2.87	
			<i>For Tempered Glass, Add</i>	1.42	
			<i>For Anodized Or Colored Aluminum Frames, Add</i>	2.07	
08 32 13 00-0004	SF		>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	13.67	1.08
			<i>For Custom Quality, Add</i>	2.74	
			<i>For Tempered Glass, Add</i>	1.42	
			<i>For Anodized Or Colored Aluminum Frames, Add</i>	1.97	

08 32 13 00-0005 1" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 32 13 00-0001)

08 32 13 00-0006	SF		>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	18.17	1.75
			<i>For Custom Quality, Add</i>	3.39	
			<i>For Tempered Glass, Add</i>	1.42	
			<i>For Anodized Or Colored Aluminum Frames, Add</i>	2.44	
08 32 13 00-0007	SF		>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	15.70	1.08
			<i>For Custom Quality, Add</i>	3.25	
			<i>For Tempered Glass, Add</i>	1.42	
			<i>For Anodized Or Colored Aluminum Frames, Add</i>	2.34	

08 32 19 Sliding Wood-Framed Glass Doors (08 32)**08 32 19 00-0001 Residential Wood Sliding Doors With 5/8" Glass** (08 32 19)

08 32 19 00-0002	EA		6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	1,008.24	52.51
08 32 19 00-0003	EA		8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	1,230.79	64.18
08 32 19 00-0004	EA		9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	1,422.44	73.90
08 32 19 00-0005	EA		6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	1,113.34	52.51
08 32 19 00-0006	EA		8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	1,366.52	64.18
08 32 19 00-0007	EA		9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	1,590.42	73.90

08 33 Coiling Doors And Grilles (08 30)**08 33 13 Coiling Counter Doors** (08 33)**08 33 13 00-0001 Aluminum Overhead Coiling Counter Shutters** (08 33 13)

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Excludes steel framing supports.

08 33 13 00-0002	EA		4' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	1,528.89	197.32
			<i>For Steel Doors, Deduct</i>	-35.00	
			<i>For Stainless Steel Doors, Add</i>	78.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	699.33	
08 33 13 00-0003	EA		6' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	1,749.93	197.32
			<i>For Steel Doors, Deduct</i>	-71.00	
			<i>For Stainless Steel Doors, Add</i>	130.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	699.33	
08 33 13 00-0004	EA		8' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	1,995.85	209.64
			<i>For Steel Doors, Deduct</i>	-115.00	
			<i>For Stainless Steel Doors, Add</i>	225.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	701.82	
08 33 13 00-0005	EA		10' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,312.27	246.64
			<i>For Steel Doors, Deduct</i>	-142.00	
			<i>For Stainless Steel Doors, Add</i>	315.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	711.35	
08 33 13 00-0006	EA		4' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	1,699.44	197.32
			<i>For Steel Doors, Deduct</i>	-40.00	
			<i>For Stainless Steel Doors, Add</i>	85.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	699.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0007	EA		6' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	1,975.29	219.21
			<i>For Steel Doors, Deduct</i>	-80.00	
			<i>For Stainless Steel Doors, Add</i>	145.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	704.81	
08 33 13 00-0008	EA		10' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,485.89	246.64
			<i>For Steel Doors, Deduct</i>	-156.00	
			<i>For Stainless Steel Doors, Add</i>	240.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	711.66	
08 33 13 00-0009			Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters <small>(08 33 13)</small>		
			Note: Includes stainless steel frame and sill, necessary anchors, track and hardware. Includes clear anodized aluminum finish. Excludes steel framing supports.		
08 33 13 00-0010	EA		4' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	6,116.19	197.32
			<i>For Steel Doors, Deduct</i>	-35.00	
			<i>For Stainless Steel Doors, Add</i>	78.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	699.33	
08 33 13 00-0011	EA		6' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	6,514.34	197.32
			<i>For Steel Doors, Deduct</i>	-71.00	
			<i>For Stainless Steel Doors, Add</i>	130.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	699.33	
08 33 13 00-0012	EA		8' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	6,952.33	209.64
			<i>For Steel Doors, Deduct</i>	-115.00	
			<i>For Stainless Steel Doors, Add</i>	225.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	701.82	
08 33 13 00-0013	EA		10' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	7,486.57	246.64
			<i>For Steel Doors, Deduct</i>	-142.00	
			<i>For Stainless Steel Doors, Add</i>	315.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	711.35	
08 33 13 00-0014	EA		4' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	6,350.04	197.32
			<i>For Steel Doors, Deduct</i>	-40.00	
			<i>For Stainless Steel Doors, Add</i>	85.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	699.33	
08 33 13 00-0015	EA		6' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	6,771.61	219.21
			<i>For Steel Doors, Deduct</i>	-80.00	
			<i>For Stainless Steel Doors, Add</i>	145.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	704.81	
08 33 13 00-0016	EA		10' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	7,972.32	246.64
			<i>For Steel Doors, Deduct</i>	-156.00	
			<i>For Stainless Steel Doors, Add</i>	240.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	711.66	
08 33 23			Overhead Coiling Doors <small>(08 33)</small>		
08 33 23 00-0001			Galvanized Steel Overhead Coiling Doors (Width x Height) <small>(08 33 23)</small>		
08 33 23 00-0002			26 Gauge Galvanized Steel Overhead Coiling Doors, Storage Unit Style <small>(08 33 23 00-0001)</small>		
08 33 23 00-0003	EA		4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	439.39	106.96
08 33 23 00-0004	EA		4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	489.90	116.70
08 33 23 00-0005	EA		5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	486.27	116.70
08 33 23 00-0006	EA		5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	541.55	126.42
08 33 23 00-0007	EA		6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	533.18	126.42
08 33 23 00-0008	EA		6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	588.06	136.14
08 33 23 00-0009	EA		6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	656.84	145.87
08 33 23 00-0010	EA		8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	582.08	126.42
08 33 23 00-0011	EA		8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	627.53	136.14
08 33 23 00-0012	EA		8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	684.47	145.87
08 33 23 00-0013	EA		8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	776.43	155.59
08 33 23 00-0014	EA		10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	698.89	155.59
08 33 23 00-0015	EA		10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	752.57	155.59
08 33 23 00-0016	EA		10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	843.61	165.31
08 33 23 00-0017	EA		10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	900.00	175.04
08 33 23 00-0018			24 Gauge Galvanized Steel Overhead Coiling Doors <small>(08 33 23 00-0001)</small>		
			Note: With curtain hood (barrel cover).		
08 33 23 00-0019	EA		8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,965.74	126.42
			<i>For Insulated, Add</i>	1,303.64	
08 33 23 00-0020	EA		8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,044.40	136.14
			<i>For Insulated, Add</i>	1,349.50	
08 33 23 00-0021	EA		8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,256.95	155.59
			<i>For Insulated, Add</i>	1,482.67	
08 33 23 00-0022	EA		8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,437.58	155.59
			<i>For Insulated, Add</i>	1,618.14	
08 33 23 00-0023	EA		10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,189.40	155.59
			<i>For Insulated, Add</i>	1,432.00	
08 33 23 00-0024	EA		10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,324.42	155.59
			<i>For Insulated, Add</i>	1,533.27	

08 Openings
08 30 Specialty Doors And Frames
08 33 Coiling Doors And Grilles



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 00-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,498.30	175.04
		<i>For Insulated, Add</i>	1,637.45	
08 33 23 00-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,692.90	175.04
		<i>For Insulated, Add</i>	1,783.40	
08 33 23 00-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,405.16	175.04
		<i>For Insulated, Add</i>	1,567.59	
08 33 23 00-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,600.52	194.49
		<i>For Insulated, Add</i>	1,687.84	
08 33 23 00-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,854.22	243.11
		<i>For Insulated, Add</i>	1,812.47	
08 33 23 00-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,138.47	243.11
		<i>For Insulated, Add</i>	2,025.65	
08 33 23 00-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,108.87	243.11
		<i>For Insulated, Add</i>	2,003.45	
08 33 23 00-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,434.48	243.11
		<i>For Insulated, Add</i>	2,247.66	
08 33 23 00-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,779.82	243.11
		<i>For Insulated, Add</i>	2,506.67	
08 33 23 00-0034 22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001)				
Note: With curtain hood (barrel cover).				
08 33 23 00-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,709.27	116.70
		<i>For Insulated, Add</i>	1,124.43	
08 33 23 00-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,876.34	126.42
		<i>For Insulated, Add</i>	1,236.59	
08 33 23 00-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,993.28	136.14
		<i>For Insulated, Add</i>	1,311.14	
08 33 23 00-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,893.82	126.42
		<i>For Insulated, Add</i>	1,249.70	
08 33 23 00-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,077.39	136.14
		<i>For Insulated, Add</i>	1,374.23	
08 33 23 00-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,267.04	155.59
		<i>For Insulated, Add</i>	1,490.23	
08 33 23 00-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,769.99	175.04
		<i>For Insulated, Add</i>	1,841.21	
08 33 23 00-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,273.00	194.49
		<i>For Insulated, Add</i>	2,192.20	
08 33 23 00-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,067.66	126.42
		<i>For Insulated, Add</i>	1,380.08	
08 33 23 00-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,307.47	155.59
		<i>For Insulated, Add</i>	1,520.56	
08 33 23 00-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,550.36	194.49
		<i>For Insulated, Add</i>	1,650.22	
08 33 23 00-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,032.53	213.94
		<i>For Insulated, Add</i>	1,985.62	
08 33 23 00-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,514.87	233.38
		<i>For Insulated, Add</i>	2,321.03	
08 33 23 00-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,592.14	199.35
		<i>For Insulated, Add</i>	1,674.98	
08 33 23 00-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,924.20	243.11
		<i>For Insulated, Add</i>	1,864.95	
08 33 23 00-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,485.28	291.73
		<i>For Insulated, Add</i>	2,220.21	
08 33 23 00-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,066.01	350.08
		<i>For Insulated, Add</i>	2,576.94	
08 33 23 00-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,630.05	427.88
		<i>For Insulated, Add</i>	2,894.72	
08 33 23 00-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,115.39	466.77
		<i>For Insulated, Add</i>	3,206.61	
08 33 23 00-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,601.12	505.67
		<i>For Insulated, Add</i>	3,518.52	
08 33 23 00-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,085.61	544.56
		<i>For Insulated, Add</i>	3,829.16	
08 33 23 00-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,921.23	233.38
		<i>For Insulated, Add</i>	1,875.80	
08 33 23 00-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,291.36	291.73
		<i>For Insulated, Add</i>	2,074.77	
08 33 23 00-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,983.52	330.63
		<i>For Insulated, Add</i>	2,541.41	
08 33 23 00-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,714.79	388.97
		<i>For Insulated, Add</i>	3,010.97	
08 33 23 00-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,399.22	466.77
		<i>For Insulated, Add</i>	3,419.48	
08 33 23 00-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,005.98	505.67
		<i>For Insulated, Add</i>	3,822.16	
08 33 23 00-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,652.40	564.02
		<i>For Insulated, Add</i>	4,227.82	
08 33 23 00-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,298.52	622.37
		<i>For Insulated, Add</i>	4,633.43	
08 33 23 00-0064 20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001)				
Note: With curtain hood (barrel cover)				
08 33 23 00-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,719.92	291.73
		<i>For Insulated, Add</i>	2,396.19	
08 33 23 00-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,223.54	330.63
		<i>For Insulated, Add</i>	2,721.43	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	4,840.54	369.53
		<i>For Insulated, Add</i>	.....	3,131.63	
08 33 23 00-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	5,387.13	408.43
		<i>For Insulated, Add</i>	.....	3,488.76	
08 33 23 00-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,049.43	486.22
		<i>For Insulated, Add</i>	.....	3,880.68	
08 33 23 00-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,633.45	525.12
		<i>For Insulated, Add</i>	.....	4,266.24	
08 33 23 00-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,022.16	583.46
		<i>For Insulated, Add</i>	.....	5,228.63	
08 33 23 00-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,409.13	641.81
		<i>For Insulated, Add</i>	.....	6,190.88	
08 33 23 00-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	4,622.73	350.08
		<i>For Insulated, Add</i>	.....	2,994.48	
08 33 23 00-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	5,202.64	388.97
		<i>For Insulated, Add</i>	.....	3,376.86	
08 33 23 00-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	5,752.43	447.32
		<i>For Insulated, Add</i>	.....	3,710.46	
08 33 23 00-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,321.74	505.67
		<i>For Insulated, Add</i>	.....	4,058.98	
08 33 23 00-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,910.35	544.56
		<i>For Insulated, Add</i>	.....	4,447.71	
08 33 23 00-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,607.81	583.46
		<i>For Insulated, Add</i>	.....	4,917.86	
08 33 23 00-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,692.12	622.37
		<i>For Insulated, Add</i>	.....	5,678.63	
08 33 23 00-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,787.10	661.26
		<i>For Insulated, Add</i>	.....	6,447.27	
08 33 23 00-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	4,963.42	427.88
		<i>For Insulated, Add</i>	.....	3,144.75	
08 33 23 00-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	5,476.56	466.77
		<i>For Insulated, Add</i>	.....	3,477.48	
08 33 23 00-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,301.60	525.12
		<i>For Insulated, Add</i>	.....	4,017.35	
08 33 23 00-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,993.59	583.46
		<i>For Insulated, Add</i>	.....	4,457.20	
08 33 23 00-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,651.39	622.37
		<i>For Insulated, Add</i>	.....	4,898.09	
08 33 23 00-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,310.09	661.26
		<i>For Insulated, Add</i>	.....	5,339.51	
08 33 23 00-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,589.19	700.16
		<i>For Insulated, Add</i>	.....	6,246.07	
08 33 23 00-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,898.53	739.05
		<i>For Insulated, Add</i>	.....	7,176.34	
08 33 23 00-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	5,604.75	466.77
		<i>For Insulated, Add</i>	.....	3,573.63	
08 33 23 00-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,630.22	505.67
		<i>For Insulated, Add</i>	.....	4,290.34	
08 33 23 00-0091 18 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001)					
Note: With curtain hood (barrel cover).					
08 33 23 00-0092	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,964.85	564.02
		<i>For Insulated, Add</i>	.....	5,212.16	
08 33 23 00-0093	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,103.57	602.91
		<i>For Insulated, Add</i>	.....	6,013.29	
08 33 23 00-0094	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,428.11	641.81
		<i>For Insulated, Add</i>	.....	6,953.98	
08 33 23 00-0095	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,928.57	680.71
		<i>For Insulated, Add</i>	.....	8,027.10	
08 33 23 00-0096	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,436.55	719.61
		<i>For Insulated, Add</i>	.....	9,106.40	
08 33 23 00-0097	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,975.70	758.50
		<i>For Insulated, Add</i>	.....	10,207.75	
08 33 23 00-0098	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,304.16	505.67
		<i>For Insulated, Add</i>	.....	4,045.80	
08 33 23 00-0099	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,507.36	544.56
		<i>For Insulated, Add</i>	.....	4,895.47	
08 33 23 00-0100	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,951.36	602.91
		<i>For Insulated, Add</i>	.....	5,899.13	
08 33 23 00-0101	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,473.61	641.81
		<i>For Insulated, Add</i>	.....	6,989.24	
08 33 23 00-0102	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,004.05	680.71
		<i>For Insulated, Add</i>	.....	8,083.71	
08 33 23 00-0103	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,708.01	719.61
		<i>For Insulated, Add</i>	.....	9,310.00	
08 33 23 00-0104	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	15,419.75	758.50
		<i>For Insulated, Add</i>	.....	10,540.79	
08 33 23 00-0105	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	17,118.32	797.40
		<i>For Insulated, Add</i>	.....	11,762.68	
08 33 23 00-0106	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,934.29	544.56
		<i>For Insulated, Add</i>	.....	4,465.67	
08 33 23 00-0107	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,781.84	583.46
		<i>For Insulated, Add</i>	.....	5,048.39	
08 33 23 00-0108	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,731.31	641.81
		<i>For Insulated, Add</i>	.....	6,432.52	
08 33 23 00-0109	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,448.26	680.71
		<i>For Insulated, Add</i>	.....	7,666.87	

08 Openings
08 30 Specialty Doors And Frames
08 33 Coiling Doors And Grilles



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 00-0110	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,090.67	719.61
		<i>For Insulated, Add</i>	<i>8,846.99</i>	
08 33 23 00-0111	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,909.71	758.50
		<i>For Insulated, Add</i>	<i>10,158.26</i>	
08 33 23 00-0112	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	17,052.40	797.40
		<i>For Insulated, Add</i>	<i>11,713.24</i>	
08 33 23 00-0113	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	19,256.52	836.29
		<i>For Insulated, Add</i>	<i>13,312.62</i>	

08 33 23 00-0114 Aluminum Overhead Coiling Doors (Width x Height) (08 33 23)

08 33 23 00-0115 0.04" Aluminum Overhead Coiling Doors (08 33 23 00-0114)

08 33 23 00-0116	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,290.98	116.70
08 33 23 00-0117	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,414.14	126.42
08 33 23 00-0118	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,820.52	136.14
08 33 23 00-0119	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,623.69	126.42
08 33 23 00-0120	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,771.44	136.14
08 33 23 00-0121	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,938.63	155.59
08 33 23 00-0122	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,144.29	175.04
08 33 23 00-0123	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,352.79	194.49
08 33 23 00-0124	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,782.02	126.42
08 33 23 00-0125	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,014.00	155.59
08 33 23 00-0126	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,268.13	194.49
08 33 23 00-0127	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,473.96	213.94
08 33 23 00-0128	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,680.89	233.38
08 33 23 00-0129	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,301.20	204.21
08 33 23 00-0130	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,551.34	243.11
08 33 23 00-0131	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,861.03	291.73
08 33 23 00-0132	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,191.54	350.08
08 33 23 00-0133	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,712.98	427.88
08 33 23 00-0134	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,155.64	466.77
08 33 23 00-0135	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,595.19	505.67
08 33 23 00-0136	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,036.27	544.56
08 33 23 00-0137	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,527.65	233.38
08 33 23 00-0138	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,060.43	291.73
08 33 23 00-0139	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,462.60	330.63
08 33 23 00-0140	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,905.87	388.97
08 33 23 00-0141	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,503.27	466.77
08 33 23 00-0142	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,024.68	505.67
08 33 23 00-0143	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,341.51	564.02
08 33 23 00-0144	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,660.32	622.37

08 33 23 00-0145 0.05" Aluminum Overhead Coiling Doors (08 33 23 00-0114)

08 33 23 00-0146	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	2,899.71	291.73
08 33 23 00-0147	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	3,440.72	330.63
08 33 23 00-0148	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	3,970.89	369.53
08 33 23 00-0149	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,457.56	408.43
08 33 23 00-0150	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,056.93	486.22
08 33 23 00-0151	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,578.71	525.12
08 33 23 00-0152	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,149.64	583.46
08 33 23 00-0153	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,718.93	641.81
08 33 23 00-0154	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	3,434.52	350.08
08 33 23 00-0155	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,001.70	388.97
08 33 23 00-0156	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,582.98	447.32
08 33 23 00-0157	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,181.68	505.67
08 33 23 00-0158	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,791.61	544.56
08 33 23 00-0159	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,442.97	583.46
08 33 23 00-0160	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,060.69	622.37
08 33 23 00-0161	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,636.16	661.26
08 33 23 00-0162	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	3,893.35	427.88
08 33 23 00-0163	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,502.37	466.77
08 33 23 00-0164	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,213.29	525.12
08 33 23 00-0165	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,913.89	583.46
08 33 23 00-0166	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,583.72	622.37
08 33 23 00-0167	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,248.29	661.26
08 33 23 00-0168	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,911.73	700.16
08 33 23 00-0169	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,579.11	739.05
08 33 23 00-0170	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,381.75	466.77
08 33 23 00-0171	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,003.50	505.67
08 33 23 00-0172	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,029.49	564.02
08 33 23 00-0173	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,645.19	602.91
08 33 23 00-0174	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,387.71	641.81
08 33 23 00-0175	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,157.55	680.71
08 33 23 00-0176	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,881.05	719.61
08 33 23 00-0177	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,635.32	758.50
08 33 23 00-0178	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,072.04	505.67
08 33 23 00-0179	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,846.42	544.56
08 33 23 00-0180	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,758.94	602.91
08 33 23 00-0181	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,612.48	641.81
08 33 23 00-0182	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,467.32	680.71
08 33 23 00-0183	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,329.25	719.61
08 33 23 00-0184	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,141.08	758.50
08 33 23 00-0185	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,958.31	797.40



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0186	EA		24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,573.66	544.56
08 33 23 00-0187	EA		24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,070.13	583.46
08 33 23 00-0188	EA		24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,339.74	641.81
08 33 23 00-0189	EA		24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,308.31	680.71
08 33 23 00-0190	EA		24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,218.23	719.61
08 33 23 00-0191	EA		24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,130.12	758.50
08 33 23 00-0192	EA		24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,183.10	797.40
08 33 23 00-0193	EA		24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,279.70	836.29
08 33 23 00-0194			Removal And Reinstallation Of Roll-Up Door And Support (08 33 23)		
			Note: Includes storage, cleaning and supply materials.		
08 33 23 00-0195	SF		Removal And Reinstallation Of Metal Roll-up Door And Supports.....	8.42	
08 33 23 00-0196			Overhead Coiling Door Accessories (08 33 23)		
08 33 23 00-0197	LF		Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only.....	1.89	0.49
08 33 23 00-0198	LF		Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	17.93	0.59
08 33 23 00-0199	LF		Side Of Door (Guides), Weather Strip Seal For Coiling Doors.....	17.06	0.59
08 33 23 00-0200	EA		Cylinder Lock For Coiling Doors	135.19	24.31
08 33 23 00-0201	EA		Jackshaft Operator For Coiling Doors.....	1,022.04	77.79
			Note: Includes three button inside station controls and mounting hardware.		
08 33 23 00-0202	EA		Remote Transmitter Kit For Coiling Door Operators	166.81	38.90
08 33 26			Overhead Coiling Grilles (08 33)		
			Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.		
08 33 26 00-0001			Steel Overhead Coiling Grilles (Width x Height) (08 33 26)		
08 33 26 00-0002	EA		4' x 4', Steel Overhead Coiling Grilles, Manual Lift	2,166.21	86.32
			For Aluminum With Clear Or Anodized Bronze Finish, Add	460.70	
			For Staggered Brick Pattern, Add	47.99	
			For Lexan Lattice Pattern, Add	287.94	
08 33 26 00-0003	EA		6' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	2,411.70	86.32
			For Aluminum With Clear Or Anodized Bronze Finish, Add	519.61	
			For Staggered Brick Pattern, Add	54.13	
			For Lexan Lattice Pattern, Add	324.76	
08 33 26 00-0004	EA		8' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	2,741.70	115.09
			For Aluminum With Clear Or Anodized Bronze Finish, Add	579.08	
			For Staggered Brick Pattern, Add	60.32	
			For Lexan Lattice Pattern, Add	361.93	
08 33 26 00-0005	EA		12' x 4', Steel Overhead Coiling Grilles, Manual Lift	3,332.49	115.09
			For Aluminum With Clear Or Anodized Bronze Finish, Add	720.87	
			For Staggered Brick Pattern, Add	75.09	
			For Lexan Lattice Pattern, Add	450.54	
08 33 26 00-0006	EA		16' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	4,464.77	172.65
			For Aluminum With Clear Or Anodized Bronze Finish, Add	953.16	
			For Staggered Brick Pattern, Add	99.29	
			For Lexan Lattice Pattern, Add	595.72	
08 33 26 00-0007	EA		20' x 4', Steel Overhead Coiling Grilles, Manual Lift	5,597.05	230.12
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,185.44	
			For Staggered Brick Pattern, Add	123.48	
			For Lexan Lattice Pattern, Add	740.90	
08 33 26 00-0008	EA		24' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	7,016.44	276.24
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,494.22	
			For Staggered Brick Pattern, Add	155.65	
			For Lexan Lattice Pattern, Add	933.89	
08 33 26 00-0009	EA		30' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	8,596.67	345.30
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,826.42	
			For Staggered Brick Pattern, Add	190.25	
			For Lexan Lattice Pattern, Add	1,141.52	
08 33 26 00-0010	EA		4' x 6', Steel Overhead Coiling Grilles, Manual Lift.....	2,353.60	86.32
			For Aluminum With Clear Or Anodized Bronze Finish, Add	505.67	
			For Staggered Brick Pattern, Add	52.67	
			For Lexan Lattice Pattern, Add	316.04	
08 33 26 00-0011	EA		6' x 6', Steel Overhead Coiling Grilles, Manual Lift.....	2,706.19	86.32
			For Aluminum With Clear Or Anodized Bronze Finish, Add	590.29	
			For Staggered Brick Pattern, Add	61.49	
			For Lexan Lattice Pattern, Add	368.93	
08 33 26 00-0012	EA		8' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,996.38	115.13
			For Aluminum With Clear Or Anodized Bronze Finish, Add	640.20	
			For Staggered Brick Pattern, Add	66.69	
			For Lexan Lattice Pattern, Add	400.13	
08 33 26 00-0013	EA		12' x 6', Steel Overhead Coiling Grilles, Manual Lift.....	3,677.09	115.13
			For Aluminum With Clear Or Anodized Bronze Finish, Add	803.58	
			For Staggered Brick Pattern, Add	83.71	
			For Lexan Lattice Pattern, Add	502.23	
08 33 26 00-0014	EA		16' x 6', Steel Overhead Coiling Grilles, Manual Lift.....	4,948.11	172.65
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,069.16	
			For Staggered Brick Pattern, Add	111.37	
			For Lexan Lattice Pattern, Add	668.22	
08 33 26 00-0015	EA		20' x 6', Steel Overhead Coiling Grilles, Manual Lift.....	6,217.38	230.12
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,334.74	
			For Staggered Brick Pattern, Add	139.04	
			For Lexan Lattice Pattern, Add	834.21	
08 33 26 00-0016	EA		24' x 6', Steel Overhead Coiling Grilles, Manual Lift.....	7,822.59	276.24
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,687.70	
			For Staggered Brick Pattern, Add	175.80	
			For Lexan Lattice Pattern, Add	1,054.81	

08 Openings

08 30 Specialty Doors And Frames

08 33 Coiling Doors And Grilles

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 26 00-0017	EA 30' x 6', Steel Overhead Coiling Grilles, Manual Lift	9,399.59	345.30
	For Aluminum With Clear Or Anodized Bronze Finish, Add	2,019.12	
	For Staggered Brick Pattern, Add	210.33	
	For Lexan Lattice Pattern, Add	1,261.95	
08 33 26 00-0018	EA 4' x 8', Steel Overhead Coiling Grilles, Manual Lift	2,683.00	103.59
	For Aluminum With Clear Or Anodized Bronze Finish, Add	572.94	
	For Staggered Brick Pattern, Add	59.68	
	For Lexan Lattice Pattern, Add	358.09	
08 33 26 00-0019	EA 6' x 8', Steel Overhead Coiling Grilles, Manual Lift	3,108.96	103.59
	For Aluminum With Clear Or Anodized Bronze Finish, Add	675.17	
	For Staggered Brick Pattern, Add	70.33	
	For Lexan Lattice Pattern, Add	421.98	
08 33 26 00-0020	EA 8' x 8', Steel Overhead Coiling Grilles, Manual Lift	3,716.73	129.49
	For Aluminum With Clear Or Anodized Bronze Finish, Add	803.13	
	For Staggered Brick Pattern, Add	83.66	
	For Lexan Lattice Pattern, Add	501.96	
08 33 26 00-0021	EA 12' x 8', Steel Overhead Coiling Grilles, Manual Lift	4,331.03	129.49
	For Aluminum With Clear Or Anodized Bronze Finish, Add	950.57	
	For Staggered Brick Pattern, Add	99.02	
	For Lexan Lattice Pattern, Add	594.10	
08 33 26 00-0022	EA 16' x 8', Steel Overhead Coiling Grilles, Manual Lift	5,818.04	207.18
	For Aluminum With Clear Or Anodized Bronze Finish, Add	1,254.04	
	For Staggered Brick Pattern, Add	130.63	
	For Lexan Lattice Pattern, Add	783.77	
08 33 26 00-0023	EA 20' x 8', Steel Overhead Coiling Grilles, Manual Lift	7,228.05	258.97
	For Aluminum With Clear Or Anodized Bronze Finish, Add	1,557.50	
	For Staggered Brick Pattern, Add	162.24	
	For Lexan Lattice Pattern, Add	973.44	
08 33 26 00-0024	EA 24' x 8', Steel Overhead Coiling Grilles, Manual Lift	9,186.81	310.77
	For Aluminum With Clear Or Anodized Bronze Finish, Add	1,991.91	
	For Staggered Brick Pattern, Add	207.49	
	For Lexan Lattice Pattern, Add	1,244.94	
08 33 26 00-0025	EA 30' x 8', Steel Overhead Coiling Grilles, Manual Lift	11,200.27	379.82
	For Aluminum With Clear Or Anodized Bronze Finish, Add	2,428.44	
	For Staggered Brick Pattern, Add	252.96	
	For Lexan Lattice Pattern, Add	1,517.78	
08 33 26 00-0026	EA 4' x 10', Steel Overhead Coiling Grilles, Manual Lift	2,991.74	103.59
	For Aluminum With Clear Or Anodized Bronze Finish, Add	647.04	
	For Staggered Brick Pattern, Add	67.40	
	For Lexan Lattice Pattern, Add	404.40	
08 33 26 00-0027	EA 6' x 10', Steel Overhead Coiling Grilles, Manual Lift	3,556.27	103.59
	For Aluminum With Clear Or Anodized Bronze Finish, Add	782.53	
	For Staggered Brick Pattern, Add	81.51	
	For Lexan Lattice Pattern, Add	489.08	
08 33 26 00-0028	EA 8' x 10', Steel Overhead Coiling Grilles, Manual Lift	4,214.56	129.49
	For Aluminum With Clear Or Anodized Bronze Finish, Add	922.88	
	For Staggered Brick Pattern, Add	96.13	
	For Lexan Lattice Pattern, Add	576.80	
08 33 26 00-0029	EA 12' x 10', Steel Overhead Coiling Grilles, Manual Lift	4,983.89	129.49
	For Aluminum With Clear Or Anodized Bronze Finish, Add	1,107.52	
	For Staggered Brick Pattern, Add	115.37	
	For Lexan Lattice Pattern, Add	692.20	
08 33 26 00-0030	EA 16' x 10', Steel Overhead Coiling Grilles, Manual Lift	6,673.09	207.18
	For Aluminum With Clear Or Anodized Bronze Finish, Add	1,459.25	
	For Staggered Brick Pattern, Add	152.01	
	For Lexan Lattice Pattern, Add	912.03	
08 33 26 00-0031	EA 20' x 10', Steel Overhead Coiling Grilles, Manual Lift	8,284.16	258.97
	For Aluminum With Clear Or Anodized Bronze Finish, Add	1,810.97	
	For Staggered Brick Pattern, Add	188.64	
	For Lexan Lattice Pattern, Add	1,131.86	
08 33 26 00-0032	EA 24' x 10', Steel Overhead Coiling Grilles, Manual Lift	10,462.81	310.77
	For Aluminum With Clear Or Anodized Bronze Finish, Add	2,298.15	
	For Staggered Brick Pattern, Add	239.39	
	For Lexan Lattice Pattern, Add	1,436.34	
08 33 26 00-0033	EA 30' x 10', Steel Overhead Coiling Grilles, Manual Lift	13,170.55	379.82
	For Aluminum With Clear Or Anodized Bronze Finish, Add	2,901.31	
	For Staggered Brick Pattern, Add	302.22	
	For Lexan Lattice Pattern, Add	1,813.32	
08 33 26 00-0034	EA 4' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,345.29	103.59
	For Aluminum With Clear Or Anodized Bronze Finish, Add	731.89	
	For Staggered Brick Pattern, Add	76.24	
	For Lexan Lattice Pattern, Add	457.43	
08 33 26 00-0035	EA 6' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,447.63	103.59
	For Aluminum With Clear Or Anodized Bronze Finish, Add	756.45	
	For Staggered Brick Pattern, Add	78.80	
	For Lexan Lattice Pattern, Add	472.78	
08 33 26 00-0036	EA 8' x 12', Steel Overhead Coiling Grilles, Manual Lift	4,181.49	129.49
	For Aluminum With Clear Or Anodized Bronze Finish, Add	914.68	
	For Staggered Brick Pattern, Add	95.28	
	For Lexan Lattice Pattern, Add	571.67	
08 33 26 00-0037	EA 12' x 12', Steel Overhead Coiling Grilles, Manual Lift	5,719.89	129.49
	For Aluminum With Clear Or Anodized Bronze Finish, Add	1,283.89	
	For Staggered Brick Pattern, Add	133.74	
	For Lexan Lattice Pattern, Add	802.43	
08 33 26 00-0038	EA 16' x 12', Steel Overhead Coiling Grilles, Manual Lift	7,881.80	207.18
	For Aluminum With Clear Or Anodized Bronze Finish, Add	1,749.34	
	For Staggered Brick Pattern, Add	182.22	
	For Lexan Lattice Pattern, Add	1,093.34	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0039	EA		20' x 12', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	9,966.70 2,214.78 230.71 1,384.24	258.97
08 33 26 00-0040	EA		24' x 12', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	12,097.95 2,690.58 280.27 1,681.61	310.77
08 33 26 00-0041	EA		30' x 12', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	15,117.21 3,368.51 350.89 2,105.32	379.82
08 33 26 00-0042	EA		4' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	3,977.65 883.66 92.05 552.29	103.59
08 33 26 00-0043	EA		6' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	4,668.06 1,049.36 109.31 655.85	103.59
08 33 26 00-0044	EA		8' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	5,439.57 1,216.88 126.76 760.55	129.49
08 33 26 00-0045	EA		12' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	6,889.90 1,564.96 163.02 978.10	129.49
08 33 26 00-0046	EA		16' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	9,087.77 2,038.77 212.37 1,274.23	207.18
08 33 26 00-0047	EA		20' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	11,207.55 2,512.58 261.73 1,570.37	258.97
08 33 26 00-0048	EA		24' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	13,386.26 2,999.77 312.48 1,874.86	310.77
08 33 26 00-0049	EA		30' x 14', Steel Overhead Coiling Grilles, Manual Lift <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	17,216.02 3,872.22 403.36 2,420.14	379.82
08 33 26 00-0050			Coiling Grilles Accessories (08 33 26)		
08 33 26 00-0051	EA		Add For Motor Operator Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,662.28	20.97
08 33 26 00-0052	LF		For Safety Edge Bottom Bar, Electric, Add	45.62	
08 33 26 00-0053	LF		For Overhead Framed Rolling Grille Supports	52.48	
08 33 36			Side Coiling Grilles (08 33)		
08 33 36 00-0001			Steel Side Coiling Grilles (Width x Height) (08 33 36)		
08 33 36 00-0002	EA		12' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	5,330.19 1,080.61 112.56 675.38	289.66
08 33 36 00-0003	EA		18' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	7,674.00 1,586.61 165.27 991.63	372.09
08 33 36 00-0004	EA		24' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	10,023.41 2,083.91 217.07 1,302.44	469.16
08 33 36 00-0005	EA		30' x 8', Steel Side Coiling Grilles, Manually Operated <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	12,334.15 2,604.89 271.34 1,628.06	517.95
08 33 36 00-0006	EA		12' x 10', Steel Side Coiling Grilles, Manually Operated <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	6,567.73 1,349.81 140.60 843.63	330.26
08 33 36 00-0007	EA		18' x 10', Steel Side Coiling Grilles, Manually Operated <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	9,481.15 1,984.45 206.71 1,240.28	424.18
08 33 36 00-0008	EA		24' x 10', Steel Side Coiling Grilles, Manually Operated <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	12,184.50 2,557.53 266.41 1,598.45	534.67
08 33 36 00-0009	EA		30' x 10', Steel Side Coiling Grilles, Manually Operated <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i>	15,257.15 3,255.16 339.08 2,034.48	590.46

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**MINOR
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08 33 36 00-0010	EA	12' x 12', Steel Side Coiling Grilles, Manually Operated	7,814.11	372.09
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,620.24	
		For Staggered Brick Pattern, Add	168.78	
		For Lexan Lattice Pattern, Add	1,012.65	
08 33 36 00-0011	EA	18' x 12', Steel Side Coiling Grilles, Manually Operated	11,276.71	477.89
		For Aluminum With Clear Or Anodized Bronze Finish, Add	2,377.55	
		For Staggered Brick Pattern, Add	247.66	
		For Lexan Lattice Pattern, Add	1,485.97	
08 33 36 00-0012	EA	24' x 12', Steel Side Coiling Grilles, Manually Operated	14,737.23	602.55
		For Aluminum With Clear Or Anodized Bronze Finish, Add	3,125.87	
		For Staggered Brick Pattern, Add	325.61	
		For Lexan Lattice Pattern, Add	1,953.67	
08 33 36 00-0013	EA	30' x 12', Steel Side Coiling Grilles, Manually Operated	18,180.73	664.70
		For Aluminum With Clear Or Anodized Bronze Finish, Add	3,907.33	
		For Staggered Brick Pattern, Add	407.01	
		For Lexan Lattice Pattern, Add	2,442.08	
08 33 36 00-0014	EA	12' x 14', Steel Side Coiling Grilles, Manually Operated	9,068.09	411.40
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,894.46	
		For Staggered Brick Pattern, Add	197.34	
		For Lexan Lattice Pattern, Add	1,184.04	
08 33 36 00-0015	EA	18' x 14', Steel Side Coiling Grilles, Manually Operated	13,086.61	528.31
		For Aluminum With Clear Or Anodized Bronze Finish, Add	2,775.39	
		For Staggered Brick Pattern, Add	289.10	
		For Lexan Lattice Pattern, Add	1,734.62	
08 33 36 00-0016	EA	24' x 14', Steel Side Coiling Grilles, Manually Operated	17,092.43	666.08
		For Aluminum With Clear Or Anodized Bronze Finish, Add	3,646.84	
		For Staggered Brick Pattern, Add	379.88	
		For Lexan Lattice Pattern, Add	2,279.28	
08 33 36 00-0017	EA	30' x 14', Steel Side Coiling Grilles, Manually Operated	21,084.98	735.49
		For Aluminum With Clear Or Anodized Bronze Finish, Add	4,556.19	
		For Staggered Brick Pattern, Add	474.60	
		For Lexan Lattice Pattern, Add	2,847.62	

08 33 39 High Speed Doors (08 33)

08 33 39 00-0001		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39)		
		Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 39 00-0002		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0001)		
08 33 39 00-0003		6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0004	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,788.90	155.59
08 33 39 00-0005	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,939.64	162.20
08 33 39 00-0006	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,115.48	168.82
08 33 39 00-0007	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,365.55	175.43
08 33 39 00-0008	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,621.06	182.04
08 33 39 00-0009	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,059.92	188.65
08 33 39 00-0010	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,367.83	195.26
08 33 39 00-0011		7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0012	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	9,975.66	162.20
08 33 39 00-0013	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,171.14	168.82
08 33 39 00-0014	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,420.12	175.43
08 33 39 00-0015	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,684.36	182.04
08 33 39 00-0016	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,037.00	188.65
08 33 39 00-0017	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,464.97	195.26
08 33 39 00-0018	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,800.16	201.88
08 33 39 00-0019		8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0020	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,206.07	168.82
08 33 39 00-0021	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,453.95	175.43
08 33 39 00-0022	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,729.11	182.04
08 33 39 00-0023	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,092.67	188.65
08 33 39 00-0024	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,419.13	195.26
08 33 39 00-0025	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,886.38	201.88
08 33 39 00-0026	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,267.41	208.49
08 33 39 00-0027		9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0028	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,489.97	175.43
08 33 39 00-0029	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	10,762.94	182.04
08 33 39 00-0030	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,126.50	188.65
08 33 39 00-0031	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,463.87	195.26
08 33 39 00-0032	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,818.71	201.88
08 33 39 00-0033	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,187.74	208.49
08 33 39 00-0034	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,593.86	215.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 39 00-0035	10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0036	EA 10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,791.32	182.04
08 33 39 00-0037	EA 10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,162.51	188.65
08 33 39 00-0038	EA 10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,496.62	195.26
08 33 39 00-0039	EA 10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,854.73	201.88
08 33 39 00-0040	EA 10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,253.22	208.49
08 33 39 00-0041	EA 10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,323.20	215.10
08 33 39 00-0042	EA 10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,009.81	221.71

08 33 39 00-0043	11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0044	EA 11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,183.25	188.65
08 33 39 00-0045	EA 11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,526.08	195.26
08 33 39 00-0046	EA 11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,888.56	201.88
08 33 39 00-0047	EA 11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,288.15	208.49
08 33 39 00-0048	EA 11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,545.84	215.10
08 33 39 00-0049	EA 11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,068.75	221.71
08 33 39 00-0050	EA 11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,494.52	228.32

08 33 39 00-0051	12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0052	EA 12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,535.91	195.26
08 33 39 00-0053	EA 12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,908.21	201.88
08 33 39 00-0054	EA 12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,315.43	208.49
08 33 39 00-0055	EA 12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,582.95	215.10
08 33 39 00-0056	EA 12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,938.87	221.71
08 33 39 00-0057	EA 12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,544.73	228.32
08 33 39 00-0058	EA 12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,961.77	234.95

08 33 39 00-0059	Rytec® PredaDoor® Door Options (08 33 39 00-0001)		
08 33 39 00-0060	EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	354.70	38.90
08 33 39 00-0061	EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	589.36	38.90
08 33 39 00-0062	SF Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	8.84	

08 33 39 00-0063	3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0063)		
Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.			

08 33 39 00-0064	3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0063)		
08 33 39 00-0065	8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0066	EA 8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	14,390.85	233.38
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 39 00-0067	EA 8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,060.01	239.99
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 39 00-0068	EA 8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,639.67	246.61
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 39 00-0069	EA 8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,265.17	253.23
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 39 00-0070	EA 8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,977.98	259.84
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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08 33 39 00-0071	EA 8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,339.36	266.45
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 39 00-0072	EA 8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,919.03	273.06
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 39 00-0073	9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0074	EA 9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,060.01	239.99
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0075	EA 9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,639.67	246.61
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0076	EA 9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,265.17	253.23
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0077	EA 9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,977.98	259.84
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0078	EA 9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,339.36	266.45
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0079	EA 9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,919.03	273.06
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0080	EA 9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,674.40	279.68
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0081	10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0082	EA 10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,639.67	246.61
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0083	EA 10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,265.17	253.23
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0084	EA 10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,977.98	259.84
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 39 00-0085	EA 10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,339.36	266.45
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0086	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,919.03	273.06	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00		
08 33 39 00-0087	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,674.40	279.68	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00		
08 33 39 00-0088	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,386.13	286.29	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00		
08 33 39 00-0089		11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 39 00-0064)</small>			
08 33 39 00-0090	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,265.17	253.23	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 39 00-0091	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,977.98	259.84	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 39 00-0092	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,339.36	266.45	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 39 00-0093	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,919.03	273.06	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 39 00-0094	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,674.40	279.68	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 39 00-0095	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,386.13	286.29	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 39 00-0096	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,185.16	292.90	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 39 00-0097		12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 39 00-0064)</small>			
08 33 39 00-0098	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	16,977.98	259.84	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 39 00-0099	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,339.36	266.45	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		
08 33 39 00-0100	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,919.03	273.06	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00		

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 33 39 00-0101	EA 12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	18,674.40 675.00 1,100.00 2,750.00 4,400.00 6,600.00	279.68
08 33 39 00-0102	EA 12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,386.13 675.00 1,100.00 2,750.00 4,400.00 6,600.00	286.29
08 33 39 00-0103	EA 12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	20,185.16 675.00 1,100.00 2,750.00 4,400.00 6,600.00	292.90
08 33 39 00-0104	EA 12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	20,751.73 675.00 1,100.00 2,750.00 4,400.00 6,600.00	299.51
08 33 39 00-0105	13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0106	EA 13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	17,789.02 675.00 1,100.00 2,750.00 5,480.00 7,370.00	266.45
08 33 39 00-0107	EA 13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	18,537.85 675.00 1,100.00 2,750.00 5,480.00 7,370.00	273.06
08 33 39 00-0108	EA 13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,246.29 675.00 1,100.00 2,750.00 5,480.00 7,370.00	279.68
08 33 39 00-0109	EA 13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	20,073.72 675.00 1,100.00 2,750.00 5,480.00 7,370.00	286.29
08 33 39 00-0110	EA 13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	20,897.85 675.00 1,100.00 2,750.00 5,480.00 7,370.00	292.90
08 33 39 00-0111	EA 13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,502.61 675.00 1,100.00 2,750.00 5,480.00 7,370.00	299.51
08 33 39 00-0112	EA 13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,955.67 675.00 1,100.00 2,750.00 5,480.00 7,370.00	306.13
08 33 39 00-0113	14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0114	EA 14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	18,537.85 675.00 1,100.00 2,750.00 5,480.00 7,370.00	273.06
08 33 39 00-0115	EA 14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,246.29 675.00 1,100.00 2,750.00 5,480.00 7,370.00	279.68



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0116	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,073.72	286.29	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0117	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,897.85	292.90	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0118	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,502.61	299.51	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0119	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,955.67	306.13	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0120	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,642.28	312.74	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0121		Rytec® Fast-Seal® Door Options (08 33 39 00-0063)			
08 33 39 00-0122	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors	32.74		
		Note: Multiply linear foot price x width of door.			
08 33 39 00-0123	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	354.70		
08 33 39 00-0124	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	589.36		
08 33 39 00-0125	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	866.70		
08 33 39 00-0126	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	207.37		
08 33 39 00-0127	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	409.28		
		Note: Door must be at least 90" wide.			
08 33 39 00-0128	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	518.42		
		Note: Door must be at least 102" wide.			
08 33 39 00-0129	EA	Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	818.55		
		Note: Door must be at least 136" wide.			
08 33 39 00-0130	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	240.11		
08 33 39 00-0131	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	474.76		
		Note: Door must be at least 108" wide.			
08 33 39 00-0132	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	589.36		
		Note: Door must be at least 144" wide.			
08 33 39 00-0133	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	949.52		
		Note: Door must be at least 192" wide.			
08 33 39 00-0134		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 39)			
		Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weatherseal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.			
08 33 39 00-0135		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 39 00-0134)			
08 33 39 00-0136		8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 39 00-0135)			
08 33 39 00-0137	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,567.71	311.18	
08 33 39 00-0138	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,171.37	317.79	
08 33 39 00-0139	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,775.04	324.41	
08 33 39 00-0140	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,379.81	331.02	
08 33 39 00-0141	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,983.48	337.63	
08 33 39 00-0142	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,587.15	344.24	
08 33 39 00-0143	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,370.62	350.86	
08 33 39 00-0144		9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 39 00-0135)			
08 33 39 00-0145	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,171.37	317.79	
08 33 39 00-0146	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,775.04	324.41	
08 33 39 00-0147	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,379.81	331.02	
08 33 39 00-0148	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,983.48	337.63	


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 39 00-0149	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,587.15	344.24
08 33 39 00-0150	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,190.82	350.86
08 33 39 00-0151	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,974.29	357.47
08 33 39 00-0152		10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0153	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,775.04	324.41
08 33 39 00-0154	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,379.81	331.02
08 33 39 00-0155	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,983.48	337.63
08 33 39 00-0156	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,587.15	344.24
08 33 39 00-0157	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,190.82	350.86
08 33 39 00-0158	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,794.49	357.47
08 33 39 00-0159	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,577.97	364.08
08 33 39 00-0160		11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0161	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,379.81	331.02
08 33 39 00-0162	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,983.48	337.63
08 33 39 00-0163	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,587.15	344.24
08 33 39 00-0164	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,190.82	350.86
08 33 39 00-0165	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,794.49	357.47
08 33 39 00-0166	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,398.17	364.08
08 33 39 00-0167	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,180.55	370.69
08 33 39 00-0168		12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0169	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,983.48	337.63
08 33 39 00-0170	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,587.15	344.24
08 33 39 00-0171	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,190.82	350.86
08 33 39 00-0172	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,794.49	357.47
08 33 39 00-0173	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,398.17	364.08
08 33 39 00-0174	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,001.84	370.69
08 33 39 00-0175	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,785.32	377.30
08 33 39 00-0176		13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0177	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,587.15	344.24
08 33 39 00-0178	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,190.82	350.86
08 33 39 00-0179	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,794.49	357.47
08 33 39 00-0180	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,398.17	364.08
08 33 39 00-0181	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,001.84	370.69
08 33 39 00-0182	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,605.52	377.30
08 33 39 00-0183	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,388.99	383.92
08 33 39 00-0184		14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>		
08 33 39 00-0185	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,370.62	350.86
08 33 39 00-0186	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,974.29	357.47
08 33 39 00-0187	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,577.97	364.08
08 33 39 00-0188	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,180.55	370.69
08 33 39 00-0189	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,785.32	377.30
08 33 39 00-0190	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,388.99	383.92
08 33 39 00-0191	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,987.21	390.53
08 33 39 00-0192		Rytec® Spiral® Door Options <small>(08 33 39 00-0134)</small>		
08 33 39 00-0193	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Per door price.	354.70	
08 33 39 00-0194	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	240.11	
08 33 39 00-0195	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	354.70	
08 33 39 00-0196	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	628.26	19.45
08 33 39 00-0197	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	1,845.86	38.90
08 33 39 00-0198	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,379.27	38.90
08 33 39 00-0199	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,854.03	38.90
08 33 39 00-0200		Activation And Control Box Options For High Speed Doors <small>(08 33 39)</small>		
08 33 39 00-0201	EA	Pull Cord For High-Speed Rolling Doors	126.21	19.45
08 33 39 00-0202	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	106.76	9.72
08 33 39 00-0203	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	139.50	9.72
08 33 39 00-0204	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors	150.42	9.72
08 33 39 00-0205	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	286.84	9.72
08 33 39 00-0206	EA	Radio Control For High-Speed Rolling Doors Note: Includes one receiver and two transmitters.	413.05	17.50



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0207	EA		Floor Loop For High-Speed Rolling Doors.....490.84 Note: Excludes sealant.	490.84	
08 33 39 00-0208	EA		Reflective Type Photo Eye For High-Speed Rolling Doors.....347.25	347.25	17.50
08 33 39 00-0209	EA		Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....473.08	473.08	17.50
08 33 39 00-0210	EA		Motion Detector For High-Speed Rolling Doors.....438.07	438.07	11.67
08 33 39 00-0211	EA		Remote Warning Horn For High-Speed Rolling Doors .....279.01 Note: Includes wall box and mounting hardware.	279.01	19.45
08 33 39 00-0212	EA		Remote Strobe Light For High-Speed Rolling Doors .....393.60 Note: Includes wall box and mounting hardware.	393.60	19.45
08 33 39 00-0213	EA		Remote Warning Horn And Strobe Light For High-Speed Rolling Doors.....453.63 Note: Includes wall box and mounting hardware.	453.63	19.45
08 33 39 00-0214	EA		Red And Green Red Light For High-Speed Rolling Doors.....573.69 Note: Includes mounting hardware.	573.69	19.45
08 34 Special Function Doors (08 30)					
08 34 23 Sidewalk and Basement Doors (08 34)					
08 34 23 00-0001 Drainage Doors (08 34 23)					
08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001)					
Note: Bilco - J Series.					
08 34 23 00-0003	EA	2' x 2'	Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....915.70	915.70	69.28
08 34 23 00-0004	EA	2' 6" x 2' 6"	Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....1,152.34	1,152.34	72.39
08 34 23 00-0005	EA	3' x 2' 6"	Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....1,229.70	1,229.70	73.94
08 34 23 00-0006	EA	3' x 3'	Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....1,368.47	1,368.47	75.50
08 34 23 00-0007	EA	3' 6" x 3' 6"	Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....1,613.09	1,613.09	79.39
08 34 23 00-0008	EA	2' 6" x 4'	Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....1,651.31	1,651.31	77.56
08 34 23 00-0009	EA	3' x 4'	Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....1,851.87	1,851.87	79.39
08 34 23 00-0010	EA	2' 6" x 5'	Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....1,936.47	1,936.47	81.22
08 34 23 00-0011	EA	3' x 5'	Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....2,137.03	2,137.03	83.05
08 34 23 00-0012	EA	3' x 6'	Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....2,498.78	2,498.78	87.71
08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001)					
Note: Bilco - JD Series.					
08 34 23 00-0014	EA	4' x 2'-6" to 4' x 3'	Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....1,992.41	1,992.41	77.56
08 34 23 00-0015	EA	4' x 4'	Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....2,089.27	2,089.27	83.05
08 34 23 00-0016	EA	4' x 6'	Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....2,676.35	2,676.35	92.38
08 34 23 00-0017	EA	5' x 5'	Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....2,758.21	2,758.21	92.38
08 34 23 00-0018	EA	6' x 6'	Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....2,846.90	2,846.90	92.38
08 34 23 00-0019 Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)					
Note: Bilco - J H2O Series.					
08 34 23 00-0020	EA	2' x 2'	Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....1,550.17	1,550.17	69.28
08 34 23 00-0021	EA	2' 6" x 2' 6"	Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....1,827.73	1,827.73	72.39
08 34 23 00-0022	EA	3' x 2' 6"	Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....2,000.62	2,000.62	73.94
08 34 23 00-0023	EA	3' x 3'	Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....2,282.67	2,282.67	75.50
08 34 23 00-0024	EA	3' 6" x 3' 6"	Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....2,656.90	2,656.90	79.39
08 34 23 00-0025 Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)					
Note: Bilco - JD H2O Series.					
08 34 23 00-0026	EA	4' x 2' 6"	Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....2,660.99	2,660.99	77.56
08 34 23 00-0027	EA	4' x 4'	Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....3,603.80	3,603.80	83.05
08 34 23 00-0028	EA	4' x 6'	Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....5,180.10	5,180.10	92.38
08 34 23 00-0029	EA	5' x 5'	Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....4,866.27	4,866.27	92.38
08 34 23 00-0030 Single Leaf Steel Drainage Doors (08 34 23 00-0001)					
Note: Bilco - J Series.					
08 34 23 00-0031	EA	2' x 2'	Single Leaf Steel Floor, Vault Or Sidewalk Door .....1,063.17	1,063.17	69.28
08 34 23 00-0032	EA	2' 6" x 2' 6"	Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....1,117.59	1,117.59	72.39
08 34 23 00-0033	EA	3' x 2' 6"	Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....1,254.93	1,254.93	73.94
08 34 23 00-0034	EA	3' x 3'	Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....1,399.38	1,399.38	75.50
08 34 23 00-0035	EA	3' 6" x 3' 6"	Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....1,639.71	1,639.71	79.39
08 34 23 00-0036	EA	2' 6" x 4'	Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....1,558.83	1,558.83	77.56
08 34 23 00-0037	EA	3' x 4'	Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....1,788.94	1,788.94	79.39
08 34 23 00-0038	EA	2' 6" x 5'	Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....1,777.46	1,777.46	81.22
08 34 23 00-0039	EA	3' x 5'	Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....1,993.36	1,993.36	83.05
08 34 23 00-0040	EA	3' x 6'	Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....2,128.27	2,128.27	87.71
08 34 23 00-0041 Double Leaf Steel Drainage Doors (08 34 23 00-0001)					
Note: Bilco - JD Series.					
08 34 23 00-0042	EA	4' x 2' 6"	Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....1,942.55	1,942.55	77.56
08 34 23 00-0043	EA	4' x 4'	Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....2,035.99	2,035.99	83.05
08 34 23 00-0044	EA	4' x 6'	Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....2,554.53	2,554.53	92.38
08 34 23 00-0045	EA	5' x 5'	Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....2,632.70	2,632.70	92.38
08 34 23 00-0046 Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001)					
Note: Bilco - J H2O Series.					
08 34 23 00-0047	EA	2' x 2'	Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....1,887.47	1,887.47	69.28



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0048	EA		2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	1,998.74	72.39
08 34 23 00-0049	EA		3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,072.13	73.94
08 34 23 00-0050	EA		3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,458.19	75.50
08 34 23 00-0051	EA		3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,911.70	79.39
08 34 23 00-0052			Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - JD H2O Series.		
08 34 23 00-0053	EA		4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,221.63	77.56
08 34 23 00-0054	EA		4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,606.42	83.05
08 34 23 00-0055	EA		4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,404.04	92.38
08 34 23 00-0056	EA		5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,261.92	92.38
08 34 23 00-0057			Single Leaf Aluminum Drainage Door (08 34 23 00-0001) Note: Bilco - J-R (Odor Resistant).		
08 34 23 00-0058	EA		2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	869.89	69.28
08 34 23 00-0059	EA		2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	1,043.02	72.39
08 34 23 00-0060	EA		3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	1,109.28	73.94
08 34 23 00-0061	EA		3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	1,176.78	75.50
08 34 23 00-0062	EA		3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	1,337.54	79.39
08 34 23 00-0063			Non-Drainage Doors (08 34 23)		
08 34 23 00-0064			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0063) Note: Bilco - Q Series.		
08 34 23 00-0065	EA		2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	874.80	69.28
08 34 23 00-0066	EA		2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,084.11	72.39
08 34 23 00-0067	EA		3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,168.33	73.94
08 34 23 00-0068	EA		3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,218.41	75.50
08 34 23 00-0069	EA		3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,565.34	79.39
08 34 23 00-0070	EA		2' 6" x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,398.89	77.56
08 34 23 00-0071	EA		3' x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,578.98	79.39
08 34 23 00-0072	EA		2' 6" x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,786.33	81.22
08 34 23 00-0073	EA		3' x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,898.28	83.05
08 34 23 00-0074	EA		3' x 6' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,171.43	87.71
08 34 23 00-0075			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0063) Note: Bilco - K Series.		
08 34 23 00-0076	EA		2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	690.60	69.28
08 34 23 00-0077	EA		2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	852.16	72.39
08 34 23 00-0078	EA		3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	956.84	73.94
08 34 23 00-0079	EA		3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,027.38	75.50
08 34 23 00-0080	EA		3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,210.58	79.39
08 34 23 00-0081			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0063) Note: Bilco - QD Series.		
08 34 23 00-0082	EA		4' x 2'-6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,821.87	77.56
08 34 23 00-0083			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0063) Note: Bilco - KD Series.		
08 34 23 00-0084	EA		4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,727.73	83.05
08 34 23 00-0085	EA		4' x 6' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,478.54	92.38
08 34 23 00-0086	EA		5' x 5' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,533.12	92.38
08 34 23 00-0087			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0063) Note: Bilco - T Series.		
08 34 23 00-0088	EA		2' x 2' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	772.47	69.28
08 34 23 00-0089	EA		2'-6" x 2'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	920.38	72.39
08 34 23 00-0090	EA		3' x 2' 6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	990.95	73.94
08 34 23 00-0091	EA		3' x 3' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	1,095.61	75.50
08 34 23 00-0092	EA		3'-6" x 3'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	1,299.27	79.39
08 34 23 00-0093			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0063) Note: Bilco - TD Series.		
08 34 23 00-0094	EA		4' x 4' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering	1,843.70	83.05
08 34 23 00-0095	EA		4' x 6' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering	2,621.81	92.38
08 34 23 00-0096	EA		5' x 5' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering	2,662.74	92.38
08 34 23 00-0097			Single Leaf Steel Non-Drainage Doors (08 34 23 00-0063) Note: Bilco - Q Series.		
08 34 23 00-0098	EA		2' x 2' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door	693.69	69.28
08 34 23 00-0099	EA		2'-6" x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door	783.61	72.39
08 34 23 00-0100	EA		3' x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door	892.55	73.94
08 34 23 00-0101	EA		3' x 3' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door	951.72	75.50
08 34 23 00-0102	EA		2' 6" x 4' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door	1,100.94	75.50



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 34 23 00-0103			Double Leaf Steel Non-Drainage Doors (08 34 23 00-0063) Note: Bilco - QD Series.		
08 34 23 00-0104	EA		4' x 2' 6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,494.87	77.56

08 34 23 00-0105			Basement Doors (08 34 23) Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0106	EA		45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series).....	889.20	87.52
08 34 23 00-0107	EA		30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series)	779.28	66.32
08 34 23 00-0108	EA		22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series)	802.46	72.94
08 34 23 00-0109	EA		19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series)	857.68	77.79
08 34 23 00-0110	EA		52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series)	946.76	87.52

08 34 53 Security Doors And Frames (08 34)

08 34 53 00-0001			Metal Security Doors (08 34 53) Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0002	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	642.45	37.00
			Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		
08 34 53 00-0003	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	642.45	37.00
			Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.		
08 34 53 00-0004	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	926.69	37.00
			Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.		

08 34 73 Sound Control Door Assemblies (08 34)

08 34 73 13 Metal Sound Control Door Assemblies (08 34 73)

08 34 73 13-0001			Steel Acoustical Door Assembly (08 34 73 13) Note: Includes seal.		
08 34 73 13-0002			Steel Acoustical Doors (08 34 73 13-0001) Note: Includes hinges.		
08 34 73 13-0003	EA		3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	2,114.46	23.34
			For 60 Minutes Fire Rated, Add	124.90	
			For 3" x 33" Vision Lite, Add	867.89	
			For 20" x 64" Vision Lite, Add	928.74	
08 34 73 13-0004	EA		3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated)	2,241.31	24.31
			For 60 Minutes Fire Rated, Add	124.90	
			For 3" x 33" Vision Lite, Add	867.89	
			For 20" x 64" Vision Lite, Add	928.74	
08 34 73 13-0005	EA		4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated).....	2,370.09	26.26
			For 60 Minutes Fire Rated, Add	124.90	
			For 3" x 33" Vision Lite, Add	867.89	
			For 20" x 64" Vision Lite, Add	928.74	
08 34 73 13-0006	PR		Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated)	4,224.24	44.35
			For 1 Hour Fire Rated, Add	249.80	
			For 3" x 33" Windows, Add	1,735.78	
			For 20" x 64" Windows, Add	1,857.48	

08 34 73 13-0007 Steel Acoustical Door Frames (08 34 73 13-0001)

08 34 73 13-0008	EA		3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,698.28	38.90
08 34 73 13-0009	EA		3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,744.18	38.90
08 34 73 13-0010	EA		3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,790.09	38.90
08 34 73 13-0011	EA		3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,835.99	38.90
08 34 73 13-0012	EA		3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,945.18	42.79
08 34 73 13-0013	EA		3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	1,996.43	42.79
08 34 73 13-0014	EA		3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,042.33	42.79
08 34 73 13-0015	EA		3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,099.26	42.79
08 34 73 13-0016	EA		4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,199.94	44.73
08 34 73 13-0017	EA		4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,245.84	44.73
08 34 73 13-0018	EA		4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,291.75	44.73
08 34 73 13-0019	EA		4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,342.99	44.73
08 34 73 13-0020	EA		6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,942.06	50.56
08 34 73 13-0021	EA		6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,985.82	50.56
08 34 73 13-0022	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	4,032.80	50.56
08 34 73 13-0023	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	4,080.83	50.56

08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)

08 34 73 16-0001			Wood Acoustical Door Assembly (08 34 73 16) Note: Includes the prefinished door, frame, hinges and seals.		
08 34 73 16-0002	EA		3' x 7', STC 41, Wood Acoustical Door System (Unrated)	2,037.85	70.02
08 34 73 16-0003	EA		3' x 7', STC 49, Wood Acoustical Door System (Unrated)	2,838.49	70.02

08 35 Folding Doors And Grilles (08 30)

08 Openings**08 30 Specialty Doors And Frames****08 35 Folding Doors And Grilles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**08 35 13 Folding Doors** (08 35)**08 35 13 13 Accordion Folding Doors** (08 35 13)**08 35 13 13-0001****Accordion Folding Doors** (08 35 13 13)

Note: Includes track, fittings and hardware, complete.

08 35 13 13-0002	SF	Fire-Resistant, Vinyl Fabric Installed On Welded Steel Frames, Accordion Folding Door	48.88	3.89
08 35 13 13-0003	SF	1/32" Thick, Single Ply Vinyl, Accordion Folding Door	7.00	3.89
08 35 13 13-0004	SF	0.04" Thick, Fire-Resistant, Rigid Vinyl Panels, Accordion Folding Door	20.12	3.89
08 35 13 13-0005	SF	3/8" Thick, Fire-Resistant, Wood Veneer, Vinyl Or High Pressure Laminate, High Density Engineered Wood Core Panel, Accordion Folding Door	30.01	3.89

08 36 Panel Doors (08 30)**08 36 13 Sectional Doors** (08 36)**08 36 13 00-0001****Sectional Wood Overhead Doors** (08 36 13)**08 36 13 00-0002****Wood Sectional Overhead Doors** (08 36 13 00-0001)

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	1,773.23	155.59
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	2,267.59	172.70
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	2,934.95	206.93
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	4,411.00	239.61
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	4,574.30	311.18
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	4,075.81	388.97
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	8,021.72	518.51

08 36 13 00-0010**Residential Grade, Wood Sectional Overhead Doors** (08 36 13 00-0001)

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	923.05	77.79
		<i>For Hardboard Face, Add</i>	115.00	
		<i>For Insulation, Add</i>	117.00	
		<i>For Motor Operator With Remote Controls, Add</i>	300.28	
		<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
08 36 13 00-0012	EA	16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,558.64	77.79
		<i>For Hardboard Face, Add</i>	115.00	
		<i>For Insulation, Add</i>	117.00	
		<i>For Motor Operator With Remote Controls, Add</i>	311.84	
		<i>For Each Glass Vision Panel In Door, Add</i>	50.00	

08 36 13 00-0013**Sectional Metal Overhead Doors** (08 36 13)

Note: Includes tracks and all hardware.

08 36 13 00-0014**Galvanized Steel Sectional Overhead Doors** (08 36 13 00-0013)**08 36 13 00-0015****Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors** (08 36 13 00-0014)

Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0016	EA	8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	785.03	136.14
		<i>For 20 Gauge Steel Door, Add</i>	74.35	
		<i>For 16 Gauge Steel Door, Add</i>	128.19	
		<i>For Aluminum, Mill Finish, Add</i>	58.45	
		<i>For Aluminum, Anodized Finish, Add</i>	163.56	
08 36 13 00-0017	EA	8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	930.17	155.59
		<i>For 20 Gauge Steel Door, Add</i>	89.75	
		<i>For 16 Gauge Steel Door, Add</i>	154.75	
		<i>For Aluminum, Mill Finish, Add</i>	70.56	
		<i>For Aluminum, Anodized Finish, Add</i>	197.46	
08 36 13 00-0018	EA	8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,145.78	194.49
		<i>For 20 Gauge Steel Door, Add</i>	109.74	
		<i>For 16 Gauge Steel Door, Add</i>	189.20	
		<i>For Aluminum, Mill Finish, Add</i>	86.28	
		<i>For Aluminum, Anodized Finish, Add</i>	241.42	
08 36 13 00-0019	EA	10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	882.85	155.59
		<i>For 20 Gauge Steel Door, Add</i>	82.89	
		<i>For 16 Gauge Steel Door, Add</i>	142.92	
		<i>For Aluminum, Mill Finish, Add</i>	65.17	
		<i>For Aluminum, Anodized Finish, Add</i>	182.36	
08 36 13 00-0020	EA	10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,085.17	194.49
		<i>For 20 Gauge Steel Door, Add</i>	100.95	
		<i>For 16 Gauge Steel Door, Add</i>	174.05	
		<i>For Aluminum, Mill Finish, Add</i>	79.37	
		<i>For Aluminum, Anodized Finish, Add</i>	222.09	
08 36 13 00-0021	EA	10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,357.12	252.83
		<i>For 20 Gauge Steel Door, Add</i>	123.46	
		<i>For 16 Gauge Steel Door, Add</i>	212.86	
		<i>For Aluminum, Mill Finish, Add</i>	97.07	
		<i>For Aluminum, Anodized Finish, Add</i>	271.61	
08 36 13 00-0022	EA	10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,591.72	311.18
		<i>For 20 Gauge Steel Door, Add</i>	140.56	
		<i>For 16 Gauge Steel Door, Add</i>	242.34	
		<i>For Aluminum, Mill Finish, Add</i>	110.51	
		<i>For Aluminum, Anodized Finish, Add</i>	309.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0023	EA		12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,045.33	194.49
			<i>For 20 Gauge Steel Door, Add</i>	95.17	
			<i>For 16 Gauge Steel Door, Add</i>	164.09	
			<i>For Aluminum, Mill Finish, Add</i>	74.83	
			<i>For Aluminum, Anodized Finish, Add</i>	209.38	
08 36 13 00-0024	EA		12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,297.35	252.83
			<i>For 20 Gauge Steel Door, Add</i>	114.79	
			<i>For 16 Gauge Steel Door, Add</i>	197.92	
			<i>For Aluminum, Mill Finish, Add</i>	90.25	
			<i>For Aluminum, Anodized Finish, Add</i>	252.55	
08 36 13 00-0025	EA		12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,580.91	311.18
			<i>For 20 Gauge Steel Door, Add</i>	138.99	
			<i>For 16 Gauge Steel Door, Add</i>	239.64	
			<i>For Aluminum, Mill Finish, Add</i>	109.27	
			<i>For Aluminum, Anodized Finish, Add</i>	305.77	
08 36 13 00-0026	EA		12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,862.81	369.53
			<i>For 20 Gauge Steel Door, Add</i>	162.95	
			<i>For 16 Gauge Steel Door, Add</i>	280.94	
			<i>For Aluminum, Mill Finish, Add</i>	128.11	
			<i>For Aluminum, Anodized Finish, Add</i>	358.48	
08 36 13 00-0027	EA		12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,216.82	447.32
			<i>For 20 Gauge Steel Door, Add</i>	191.72	
			<i>For 16 Gauge Steel Door, Add</i>	330.55	
			<i>For Aluminum, Mill Finish, Add</i>	150.73	
			<i>For Aluminum, Anodized Finish, Add</i>	421.78	
08 36 13 00-0028	EA		14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,218.49	252.83
			<i>For 20 Gauge Steel Door, Add</i>	103.36	
			<i>For 16 Gauge Steel Door, Add</i>	178.21	
			<i>For Aluminum, Mill Finish, Add</i>	81.26	
			<i>For Aluminum, Anodized Finish, Add</i>	227.39	
08 36 13 00-0029	EA		14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,498.73	311.18
			<i>For 20 Gauge Steel Door, Add</i>	127.07	
			<i>For 16 Gauge Steel Door, Add</i>	219.09	
			<i>For Aluminum, Mill Finish, Add</i>	99.91	
			<i>For Aluminum, Anodized Finish, Add</i>	279.56	
08 36 13 00-0030	EA		14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,844.43	388.97
			<i>For 20 Gauge Steel Door, Add</i>	154.64	
			<i>For 16 Gauge Steel Door, Add</i>	266.62	
			<i>For Aluminum, Mill Finish, Add</i>	121.58	
			<i>For Aluminum, Anodized Finish, Add</i>	340.20	
08 36 13 00-0031	EA		14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,127.99	447.32
			<i>For 20 Gauge Steel Door, Add</i>	178.84	
			<i>For 16 Gauge Steel Door, Add</i>	308.34	
			<i>For Aluminum, Mill Finish, Add</i>	140.60	
			<i>For Aluminum, Anodized Finish, Add</i>	393.44	
08 36 13 00-0032	EA		14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,455.56	505.67
			<i>For 20 Gauge Steel Door, Add</i>	209.41	
			<i>For 16 Gauge Steel Door, Add</i>	361.06	
			<i>For Aluminum, Mill Finish, Add</i>	164.64	
			<i>For Aluminum, Anodized Finish, Add</i>	460.71	
08 36 13 00-0033	EA		16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,469.67	311.18
			<i>For 20 Gauge Steel Door, Add</i>	122.86	
			<i>For 16 Gauge Steel Door, Add</i>	211.83	
			<i>For Aluminum, Mill Finish, Add</i>	96.59	
			<i>For Aluminum, Anodized Finish, Add</i>	270.29	
08 36 13 00-0034	EA		16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,813.71	388.97
			<i>For 20 Gauge Steel Door, Add</i>	150.18	
			<i>For 16 Gauge Steel Door, Add</i>	258.94	
			<i>For Aluminum, Mill Finish, Add</i>	118.08	
			<i>For Aluminum, Anodized Finish, Add</i>	330.40	
08 36 13 00-0035	EA		16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,143.75	447.32
			<i>For 20 Gauge Steel Door, Add</i>	181.12	
			<i>For 16 Gauge Steel Door, Add</i>	312.28	
			<i>For Aluminum, Mill Finish, Add</i>	142.40	
			<i>For Aluminum, Anodized Finish, Add</i>	398.47	
08 36 13 00-0036	EA		16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,580.09	505.67
			<i>For 20 Gauge Steel Door, Add</i>	227.47	
			<i>For 16 Gauge Steel Door, Add</i>	392.19	
			<i>For Aluminum, Mill Finish, Add</i>	178.84	
			<i>For Aluminum, Anodized Finish, Add</i>	500.43	
08 36 13 00-0037	EA		16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,010.47	583.46
			<i>For 20 Gauge Steel Door, Add</i>	267.31	
			<i>For 16 Gauge Steel Door, Add</i>	460.89	
			<i>For Aluminum, Mill Finish, Add</i>	210.16	
			<i>For Aluminum, Anodized Finish, Add</i>	588.09	
08 36 13 00-0038	EA		18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,877.65	388.97
			<i>For 20 Gauge Steel Door, Add</i>	159.46	
			<i>For 16 Gauge Steel Door, Add</i>	274.92	
			<i>For Aluminum, Mill Finish, Add</i>	125.36	
			<i>For Aluminum, Anodized Finish, Add</i>	350.80	
08 36 13 00-0039	EA		18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,258.33	447.32
			<i>For 20 Gauge Steel Door, Add</i>	197.74	
			<i>For 16 Gauge Steel Door, Add</i>	340.92	
			<i>For Aluminum, Mill Finish, Add</i>	155.46	
			<i>For Aluminum, Anodized Finish, Add</i>	435.02	
08 36 13 00-0040	EA		18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,762.73	505.67
			<i>For 20 Gauge Steel Door, Add</i>	253.95	
			<i>For 16 Gauge Steel Door, Add</i>	437.85	
			<i>For Aluminum, Mill Finish, Add</i>	199.66	
			<i>For Aluminum, Anodized Finish, Add</i>	558.69	

08 Openings**08 30 Specialty Doors And Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0041	EA		18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,193.94	583.46
			For 20 Gauge Steel Door, Add	293.92	
			For 16 Gauge Steel Door, Add	506.75	
			For Aluminum, Mill Finish, Add	231.08	
			For Aluminum, Anodized Finish, Add	646.62	
08 36 13 00-0042	EA		18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,676.65	661.26
			For 20 Gauge Steel Door, Add	341.35	
			For 16 Gauge Steel Door, Add	588.53	
			For Aluminum, Mill Finish, Add	268.37	
			For Aluminum, Anodized Finish, Add	750.96	
08 36 13 00-0043	EA		20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,127.99	447.32
			For 20 Gauge Steel Door, Add	178.84	
			For 16 Gauge Steel Door, Add	308.34	
			For Aluminum, Mill Finish, Add	140.60	
			For Aluminum, Anodized Finish, Add	393.44	
08 36 13 00-0044	EA		20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,508.69	505.67
			For 20 Gauge Steel Door, Add	217.12	
			For 16 Gauge Steel Door, Add	374.34	
			For Aluminum, Mill Finish, Add	170.70	
			For Aluminum, Anodized Finish, Add	477.65	
08 36 13 00-0045	EA		20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,130.02	583.46
			For 20 Gauge Steel Door, Add	284.65	
			For 16 Gauge Steel Door, Add	490.77	
			For Aluminum, Mill Finish, Add	223.79	
			For Aluminum, Anodized Finish, Add	626.23	
08 36 13 00-0046	EA		20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,561.25	661.26
			For 20 Gauge Steel Door, Add	324.61	
			For 16 Gauge Steel Door, Add	559.68	
			For Aluminum, Mill Finish, Add	255.21	
			For Aluminum, Anodized Finish, Add	714.15	
08 36 13 00-0047	EA		20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,462.36	739.05
			For 20 Gauge Steel Door, Add	432.71	
			For 16 Gauge Steel Door, Add	746.06	
			For Aluminum, Mill Finish, Add	340.20	
			For Aluminum, Anodized Finish, Add	951.97	
08 36 13 00-0048	EA		22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,362.57	505.67
			For 20 Gauge Steel Door, Add	195.93	
			For 16 Gauge Steel Door, Add	337.81	
			For Aluminum, Mill Finish, Add	154.04	
			For Aluminum, Anodized Finish, Add	431.04	
08 36 13 00-0049	EA		22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,951.53	583.46
			For 20 Gauge Steel Door, Add	258.77	
			For 16 Gauge Steel Door, Add	446.15	
			For Aluminum, Mill Finish, Add	203.44	
			For Aluminum, Anodized Finish, Add	569.29	
08 36 13 00-0050	EA		22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,523.89	661.26
			For 20 Gauge Steel Door, Add	319.20	
			For 16 Gauge Steel Door, Add	550.34	
			For Aluminum, Mill Finish, Add	250.96	
			For Aluminum, Anodized Finish, Add	702.23	
08 36 13 00-0051	EA		22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,194.20	739.05
			For 20 Gauge Steel Door, Add	393.83	
			For 16 Gauge Steel Door, Add	679.02	
			For Aluminum, Mill Finish, Add	309.63	
			For Aluminum, Anodized Finish, Add	866.43	
08 36 13 00-0052	EA		22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,744.12	816.85
			For 20 Gauge Steel Door, Add	451.01	
			For 16 Gauge Steel Door, Add	777.61	
			For Aluminum, Mill Finish, Add	354.59	
			For Aluminum, Anodized Finish, Add	992.22	
08 36 13 00-0053	EA		24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,598.70	583.46
			For 20 Gauge Steel Door, Add	207.61	
			For 16 Gauge Steel Door, Add	357.94	
			For Aluminum, Mill Finish, Add	163.22	
			For Aluminum, Anodized Finish, Add	456.73	
08 36 13 00-0054	EA		24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,213.39	661.26
			For 20 Gauge Steel Door, Add	274.17	
			For 16 Gauge Steel Door, Add	472.72	
			For Aluminum, Mill Finish, Add	215.56	
			For Aluminum, Anodized Finish, Add	603.18	
08 36 13 00-0055	EA		24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,971.71	739.05
			For 20 Gauge Steel Door, Add	361.57	
			For 16 Gauge Steel Door, Add	623.40	
			For Aluminum, Mill Finish, Add	284.27	
			For Aluminum, Anodized Finish, Add	795.46	
08 36 13 00-0056	EA		24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,448.58	816.85
			For 20 Gauge Steel Door, Add	408.16	
			For 16 Gauge Steel Door, Add	703.72	
			For Aluminum, Mill Finish, Add	320.90	
			For Aluminum, Anodized Finish, Add	897.95	
08 36 13 00-0057	EA		24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,013.46	894.64
			For 20 Gauge Steel Door, Add	467.50	
			For 16 Gauge Steel Door, Add	806.04	
			For Aluminum, Mill Finish, Add	367.56	
			For Aluminum, Anodized Finish, Add	1,028.51	

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0059	EA		8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,029.34	136.14
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	37.85	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	166.55	
			<i>For Aluminum, Mill Finish, Add</i>	86.30	
			<i>For Aluminum, Anodized Finish, Add</i>	241.50	
08 36 13 00-0060	EA		8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,233.42	155.59
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	46.11	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	202.89	
			<i>For Aluminum, Mill Finish, Add</i>	105.14	
			<i>For Aluminum, Anodized Finish, Add</i>	294.19	
08 36 13 00-0061	EA		8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,511.61	194.49
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	56.13	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	246.98	
			<i>For Aluminum, Mill Finish, Add</i>	127.98	
			<i>For Aluminum, Anodized Finish, Add</i>	358.12	
08 36 13 00-0062	EA		10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,199.75	155.59
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	44.43	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	195.49	
			<i>For Aluminum, Mill Finish, Add</i>	101.30	
			<i>For Aluminum, Anodized Finish, Add</i>	283.45	
08 36 13 00-0063	EA		10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,470.13	194.49
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	54.06	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	237.86	
			<i>For Aluminum, Mill Finish, Add</i>	123.25	
			<i>For Aluminum, Anodized Finish, Add</i>	344.89	
08 36 13 00-0064	EA		10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,863.17	252.83
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	67.88	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	298.65	
			<i>For Aluminum, Mill Finish, Add</i>	154.76	
			<i>For Aluminum, Anodized Finish, Add</i>	433.04	
08 36 13 00-0065	EA		10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,144.28	311.18
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	76.10	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	334.82	
			<i>For Aluminum, Mill Finish, Add</i>	173.50	
			<i>For Aluminum, Anodized Finish, Add</i>	485.49	
08 36 13 00-0066	EA		12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,406.72	194.49
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	50.89	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	223.91	
			<i>For Aluminum, Mill Finish, Add</i>	116.02	
			<i>For Aluminum, Anodized Finish, Add</i>	324.66	
08 36 13 00-0067	EA		12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,743.40	252.83
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	61.89	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	272.30	
			<i>For Aluminum, Mill Finish, Add</i>	141.10	
			<i>For Aluminum, Anodized Finish, Add</i>	394.84	
08 36 13 00-0068	EA		12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,123.15	311.18
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	75.04	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	330.17	
			<i>For Aluminum, Mill Finish, Add</i>	171.09	
			<i>For Aluminum, Anodized Finish, Add</i>	478.75	
08 36 13 00-0069	EA		12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,477.03	369.53
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	86.90	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	382.36	
			<i>For Aluminum, Mill Finish, Add</i>	198.13	
			<i>For Aluminum, Anodized Finish, Add</i>	554.42	
08 36 13 00-0070	EA		12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,008.40	447.32
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	105.69	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	465.03	
			<i>For Aluminum, Mill Finish, Add</i>	240.97	
			<i>For Aluminum, Anodized Finish, Add</i>	674.29	
08 36 13 00-0071	EA		14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,650.24	252.83
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	57.23	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	251.81	
			<i>For Aluminum, Mill Finish, Add</i>	130.48	
			<i>For Aluminum, Anodized Finish, Add</i>	365.12	
08 36 13 00-0072	EA		14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,048.77	311.18
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	71.32	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	313.81	
			<i>For Aluminum, Mill Finish, Add</i>	162.61	
			<i>For Aluminum, Anodized Finish, Add</i>	455.02	
08 36 13 00-0073	EA		14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,482.28	388.97
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	85.22	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	374.95	
			<i>For Aluminum, Mill Finish, Add</i>	194.29	
			<i>For Aluminum, Anodized Finish, Add</i>	543.68	
08 36 13 00-0074	EA		14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,936.37	447.32
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	102.09	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	449.18	
			<i>For Aluminum, Mill Finish, Add</i>	232.76	
			<i>For Aluminum, Anodized Finish, Add</i>	651.31	
08 36 13 00-0075	EA		14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,377.96	505.67
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	118.33	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	520.66	
			<i>For Aluminum, Mill Finish, Add</i>	269.79	
			<i>For Aluminum, Anodized Finish, Add</i>	754.95	
08 36 13 00-0076	EA		16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,968.14	311.18
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	67.29	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	296.07	
			<i>For Aluminum, Mill Finish, Add</i>	153.42	
			<i>For Aluminum, Anodized Finish, Add</i>	429.30	

08 Openings**08 30 Specialty Doors And Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0077	EA		16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,544.91	388.97
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	88.35	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	388.73	
			For Aluminum, Mill Finish, Add	201.43	
			For Aluminum, Anodized Finish, Add	563.66	
08 36 13 00-0078	EA		16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,978.65	447.32
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	104.20	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	458.48	
			For Aluminum, Mill Finish, Add	237.58	
			For Aluminum, Anodized Finish, Add	664.80	
08 36 13 00-0079	EA		16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,415.53	505.67
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	120.21	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	528.92	
			For Aluminum, Mill Finish, Add	274.08	
			For Aluminum, Anodized Finish, Add	766.94	
08 36 13 00-0080	EA		16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,053.37	583.46
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	144.32	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	635.02	
			For Aluminum, Mill Finish, Add	329.05	
			For Aluminum, Anodized Finish, Add	920.77	
08 36 13 00-0081	EA		18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,241.15	388.97
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	73.16	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	321.90	
			For Aluminum, Mill Finish, Add	166.80	
			For Aluminum, Anodized Finish, Add	466.76	
08 36 13 00-0082	EA		18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,811.89	447.32
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	95.86	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	421.80	
			For Aluminum, Mill Finish, Add	218.57	
			For Aluminum, Anodized Finish, Add	611.60	
08 36 13 00-0083	EA		18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,277.74	505.67
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	113.32	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	498.61	
			For Aluminum, Mill Finish, Add	258.37	
			For Aluminum, Anodized Finish, Add	722.98	
08 36 13 00-0084	EA		18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,133.22	583.46
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	148.31	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	652.58	
			For Aluminum, Mill Finish, Add	338.16	
			For Aluminum, Anodized Finish, Add	946.25	
08 36 13 00-0085	EA		18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,507.24	661.26
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	159.24	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	700.64	
			For Aluminum, Mill Finish, Add	363.06	
			For Aluminum, Anodized Finish, Add	1,015.92	
08 36 13 00-0086	EA		20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,797.02	447.32
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	95.12	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	418.52	
			For Aluminum, Mill Finish, Add	216.87	
			For Aluminum, Anodized Finish, Add	606.86	
08 36 13 00-0087	EA		20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,312.20	505.67
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	115.04	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	506.19	
			For Aluminum, Mill Finish, Add	262.30	
			For Aluminum, Anodized Finish, Add	733.97	
08 36 13 00-0088	EA		20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,293.70	583.46
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	156.34	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	687.89	
			For Aluminum, Mill Finish, Add	356.45	
			For Aluminum, Anodized Finish, Add	997.44	
08 36 13 00-0089	EA		20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,650.50	661.26
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	166.40	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	732.15	
			For Aluminum, Mill Finish, Add	379.39	
			For Aluminum, Anodized Finish, Add	1,061.62	
08 36 13 00-0090	EA		20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,430.03	739.05
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	197.60	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	869.42	
			For Aluminum, Mill Finish, Add	450.52	
			For Aluminum, Anodized Finish, Add	1,260.66	
08 36 13 00-0091	EA		22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,054.63	505.67
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	102.16	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	449.52	
			For Aluminum, Mill Finish, Add	232.94	
			For Aluminum, Anodized Finish, Add	651.81	
08 36 13 00-0092	EA		22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,816.16	583.46
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	132.46	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	582.83	
			For Aluminum, Mill Finish, Add	302.01	
			For Aluminum, Anodized Finish, Add	845.10	
08 36 13 00-0093	EA		22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,564.39	661.26
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	162.09	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	713.21	
			For Aluminum, Mill Finish, Add	369.57	
			For Aluminum, Anodized Finish, Add	1,034.15	
08 36 13 00-0094	EA		22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,133.32	739.05
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	182.76	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	804.14	
			For Aluminum, Mill Finish, Add	416.69	
			For Aluminum, Anodized Finish, Add	1,166.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0095	EA		22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,881.53 212.39 934.52 484.25 1,355.06	816.85
08 36 13 00-0096	EA		24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,383.23 110.82 487.59 252.66 707.00	583.46
08 36 13 00-0097	EA		24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,231.68 145.46 640.01 331.64 928.02	661.26
08 36 13 00-0098	EA		24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,935.27 172.86 760.57 394.12 1,102.83	739.05
08 36 13 00-0099	EA		24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,685.04 202.57 891.29 461.85 1,292.38	816.85
08 36 13 00-0100	EA		24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	6,421.52 231.61 1,019.09 528.07 1,477.68	894.64
08 36 13 00-0101			Residential Grade, Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013) Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102	EA		9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum Or Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	782.90 182.41 50.00 311.86	77.79
08 36 13 00-0103	EA		9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum Or Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	888.50 215.14 50.00 367.83	77.79
08 36 13 00-0104	EA		16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum Or Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	1,195.10 301.65 50.00 515.73	89.00
08 36 13 00-0105	EA		16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum Or Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	1,361.03 353.09 50.00 603.68	89.00
08 36 13 00-0106			Remove And Reinstall Sectional Metal Overhead Doors And Supports (08 36 13 00-0013) Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107	SF		Removal And Reinstallation Of Sectional Metal Overhead Door And Supports	5.66	
08 36 13 00-0108			Sectional Fiberglass Overhead Doors (08 36 13)		
08 36 13 00-0109			Fiberglass Sectional Overhead Doors (08 36 13 00-0108)		
08 36 13 00-0110			Non-Insulated, Fiberglass Sectional Doors (08 36 13 00-0109) Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111	EA		8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,220.68	136.14
08 36 13 00-0112	EA		8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,454.51	155.59
08 36 13 00-0113	EA		8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,711.68	194.49
08 36 13 00-0114	EA		10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,435.80	155.59
08 36 13 00-0115	EA		10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,722.67	175.04
08 36 13 00-0116	EA		10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,125.57	243.11
08 36 13 00-0117	EA		10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,531.36	311.18
08 36 13 00-0118	EA		12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,685.16	194.49
08 36 13 00-0119	EA		12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,114.65	243.11
08 36 13 00-0120	EA		12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,537.77	291.73
08 36 13 00-0121	EA		12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,056.83	388.97
08 36 13 00-0122	EA		12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,541.23	466.77
08 36 13 00-0123	EA		14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,012.25	272.29
08 36 13 00-0124	EA		14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,465.84	311.18
08 36 13 00-0125	EA		14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,000.68	388.97
08 36 13 00-0126	EA		14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,534.99	466.77
08 36 13 00-0127	EA		14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,993.19	505.67
08 36 13 00-0128	EA		16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,283.35	311.18
08 36 13 00-0129	EA		16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,773.07	350.08
08 36 13 00-0130	EA		16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,350.14	427.88
08 36 13 00-0131	EA		16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,919.88	505.67
08 36 13 00-0132	EA		16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,411.33	544.56



MINOR	
CSI	UOM DESCRIPTION

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

08 36 13 00-0133		Insulated, Fiberglass Sectional Doors (08 36 13 00-0109)		
Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.				
08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	1,533.64	136.14
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	1,831.81	155.59
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,148.17	194.49
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	1,806.92	155.59
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,175.64	175.04
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,666.56	243.11
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,161.39	311.18
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,112.91	194.49
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,652.03	243.11
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,182.73	291.73
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,808.85	388.97
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,401.86	466.77
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,496.62	272.29
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,074.26	311.18
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,734.17	388.97
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,393.56	466.77
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,977.36	505.67
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,831.54	311.18
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,457.16	350.08
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,173.20	427.88
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,879.86	505.67
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,507.72	544.56

08 36 13 00-0156 Sectional Overhead Door Accessories (08 36 13)

08 36 13 00-0157		Sectional Overhead Door Accessories (08 36 13 00-0156)		
See CSI section 08 33 26 00-0052 for safety edge bottom bar.				
08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors.....	1.64	
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors.....	2.47	
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors.....	1.25	
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors.....	158.52	
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors.....	310.42	
08 36 13 00-0163	EA	Electric Chain Lift Operator For Sectional Overhead Doors.....	1,164.80	
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.				
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors.....	556.48	
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.				
08 36 13 00-0165	EA	3/4 HP Trolley Operator.....	761.10	
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.				
		For Door Height >12', Add	10.00	
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.				
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	20.89	
Note: Additional cost for factory supplied.				
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	13.03	
Note: Additional cost for factory supplied.				
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	21.84	
Note: Additional cost for factory supplied.				
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	14.89	
Note: Additional cost for factory supplied.				
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	35.14	
Note: Additional cost for factory supplied.				
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	23.72	
Note: Additional cost for factory supplied.				
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door.....	255.56	
Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.				
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door.....	400.51	
Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.				
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door.....	583.75	
Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.				
08 36 13 00-0175	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	0.86	
Note: Additional cost for factory supplied/installed spring. Per SF of Door.				
08 36 13 00-0176	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.10	
Note: Additional cost for factory supplied/installed spring. Per SF of Door.				
08 36 13 00-0177	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.46	
Note: Additional cost for factory supplied/installed spring. Per SF of Door.				

08 38 Traffic Doors (08 30)

08 38 13 Flexible Strip Doors (08 38)

08 38 13 00-0001		Clear Polyvinyl Chloride (PVC) Strip Doors (08 38 13)		
08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	181.10	2.33
For Cooler/Freezer Doors, USDA Grade, Add			17.60	
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			36.97	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	255.34	3.11
For Cooler/Freezer Doors, USDA Grade, Add			24.83	
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			52.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 13 00-0004 SF 12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	531.63 52.81 110.91	1.55
08 38 13 00-0005 SF 12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	8.77 0.66 1.39	2.14
08 38 13 00-0006 SF 16" Smooth Strip, 0.160" Thick, 75% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door..... <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	8.67 0.67 1.41	1.95
08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips (08 38 13)		
08 38 13 00-0008 EA 8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	31.30 1.34 2.82	10.97
08 38 13 00-0009 EA 8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	33.32 1.54 3.24	10.97
08 38 13 00-0010 EA 12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	57.16 3.50 7.35	13.58
08 38 13 00-0011 EA 12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	65.65 4.35 9.13	13.58
08 38 13 00-0012 EA 12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	74.43 5.23 10.97	13.58
08 38 13 00-0013 EA 16" Smooth Strip, 0.160" Thick, 15' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	94.41 9.05 19.01	3.89
08 38 16 Flexible Traffic Doors (08 38) Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) (08 38 16)		
08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0001)		
08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0004 EA 72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,353.01	38.90
08 38 16 00-0005 EA 72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,462.63	38.90
08 38 16 00-0006 EA 96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,046.85	44.73
08 38 16 00-0007 EA 96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,419.23	48.63
08 38 16 00-0008 EA 108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,316.25	48.63
08 38 16 00-0009 EA 108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,561.65	48.63
08 38 16 00-0010 EA 120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	6,190.10	58.35
08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0012 EA 72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,505.62	38.90
08 38 16 00-0013 EA 72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,627.69	38.90
08 38 16 00-0014 EA 96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,608.96	44.73
08 38 16 00-0015 EA 96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,978.84	48.63
08 38 16 00-0016 EA 108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,958.04	48.63
08 38 16 00-0017 EA 108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	6,207.67	48.63
08 38 16 00-0018 EA 120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	6,908.81	58.35
08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) (08 38 16) Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020 Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)		
08 38 16 00-0021 84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)		

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	677.84	21.39
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	731.33	21.39
08 38 16 00-0024		96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)		
08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	731.33	21.39
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	746.42	21.39
08 38 16 00-0027		Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)		
08 38 16 00-0028		84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0027)		
08 38 16 00-0029	EA	48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,343.98	36.96
08 38 16 00-0030	EA	80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,450.97	36.96
08 38 16 00-0031		96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0027)		
08 38 16 00-0032	EA	48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,450.97	36.96
08 38 16 00-0033	EA	80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,481.14	36.96
08 38 19		Rigid Traffic Doors (08 38)		
		Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001		0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) (08 38 19)		
		Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002		Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0001)		
08 38 19 00-0003		84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0002)		
08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	328.08	21.39
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	352.77	21.39
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	364.31	22.37
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	379.40	22.37
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	396.45	23.34
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	429.36	23.34
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	444.78	26.26
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0011		96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0002)		
08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	370.60	21.39
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	389.80	21.39
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0014	EA		30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	402.71	22.37
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0015	EA		32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	413.69	22.37
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0016	EA		36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	452.68	23.34
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0017	EA		40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	460.91	23.34
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0018	EA		42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	474.96	26.26
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0019			Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0001)		
08 38 19 00-0020			84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)		
08 38 19 00-0021	EA		48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	644.47	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0022	EA		56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	693.85	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0023	EA		60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	713.05	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0024	EA		64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	743.23	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0025	EA		72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	777.30	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0026	EA		80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	843.14	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0027	EA		84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	862.34	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0028			96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)		
08 38 19 00-0029	EA		48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	729.51	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0030	EA		56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	767.91	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0031	EA		60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	789.86	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0032	EA		64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	811.81	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0033	EA		72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	889.77	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0034	EA		80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	906.23	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0035	EA		84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	922.69	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0036			3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) (08 38 19)		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037			Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0036)		
08 38 19 00-0038			84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors		
			(08 38 19 00-0037)		
08 38 19 00-0039	EA		24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	580.45	21.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0040	EA		28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	644.92	21.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0041	EA		30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	672.92	22.37
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0042	EA		32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	700.35	22.37
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0043	EA		36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	710.54	23.34
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0044	EA		40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	766.77	23.34
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0045	EA		42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	823.34	26.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0046	EA		44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	832.94	26.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0047			96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors		
			(08 38 19 00-0037)		
08 38 19 00-0048	EA		24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	635.32	21.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0049	EA		28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	702.52	21.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0050	EA		30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	730.53	22.37
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0051	EA		32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	764.81	22.37
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0052	EA		36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	791.46	23.34
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0053	EA		40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	846.33	23.34
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0054	EA		42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	874.09	26.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0055	EA		44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	908.38	26.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0056			Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0036)		
08 38 19 00-0057			84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors		
			(08 38 19 00-0056)		
08 38 19 00-0058	EA		48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,149.22	36.96
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0059	EA		56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,278.15 6.00 19.00	36.96
08 38 19 00-0060	EA		60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,330.27 6.00 19.00	36.96
08 38 19 00-0061	EA		64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,385.13 6.00 19.00	36.96
08 38 19 00-0062	EA		72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,405.49 6.00 19.00	38.90
08 38 19 00-0063	EA		80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,517.96 6.00 19.00	38.90
08 38 19 00-0064	EA		84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,619.46 6.00 19.00	38.90
08 38 19 00-0065	EA		88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,638.66 6.00 19.00	38.90
08 38 19 00-0066			96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0066)</small>		
08 38 19 00-0067	EA		48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,258.94 6.00 19.00	36.96
08 38 19 00-0068	EA		56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,393.36 6.00 19.00	36.96
08 38 19 00-0069	EA		60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,445.48 6.00 19.00	36.96
08 38 19 00-0070	EA		64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,514.06 6.00 19.00	36.96
08 38 19 00-0071	EA		72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,567.34 6.00 19.00	38.90
08 38 19 00-0072	EA		80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,677.06 6.00 19.00	38.90
08 38 19 00-0073	EA		84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,720.95 6.00 19.00	38.90
08 38 19 00-0074	EA		88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,789.53 6.00 19.00	38.90
08 38 19 00-0075			3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) <small>(08 38 19)</small>		
			Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076			Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0077			84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0077)</small>		
08 38 19 00-0078	EA		24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	613.37 6.00 19.00	21.39
08 38 19 00-0079	EA		28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	695.67 6.00 19.00	21.39
08 38 19 00-0080	EA		30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	719.55 6.00 19.00	22.37
08 38 19 00-0081	EA		32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	727.78 6.00 19.00	22.37
08 38 19 00-0082	EA		36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	737.97 6.00 19.00	23.34
08 38 19 00-0083	EA		40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	814.78 6.00 19.00	23.34
08 38 19 00-0084	EA		42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	883.69 6.00 19.00	26.26
08 38 19 00-0085	EA		44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	893.29 6.00 19.00	26.26

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0086			96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0087	EA		24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	631.20	21.39
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0088	EA		28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	732.70	21.39
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0089	EA		30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	757.96	22.37
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0090	EA		32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	768.93	22.37
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0091	EA		36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	773.63	23.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0092	EA		40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	829.87	23.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0093	EA		42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	897.41	26.26
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0094	EA		44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	908.38	26.26
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0095			Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0096			84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0095)</small>		
08 38 19 00-0097	EA		48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,215.05	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0098	EA		56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,379.64	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0099	EA		60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,423.53	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0100	EA		64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,439.99	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0101	EA		72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,460.35	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0102	EA		80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,613.97	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0103	EA		84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,740.16	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0104	EA		88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,759.36	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0105			96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0095)</small>		
08 38 19 00-0106	EA		48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,250.71	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0107	EA		56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,453.71	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0108	EA		60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,500.34	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0109	EA		64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,522.29	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0110	EA		72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,531.68	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0111	EA		80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,644.15	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0112	EA		84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,767.59	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0113	EA		88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,789.53	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0114 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliaison SCP-2) <small>(08 38 19)</small> Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115 Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0116 84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0115)</small>		
08 38 19 00-0117 EA 24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	777.96	21.39
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0118 EA 28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	850.66	21.39
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0119 EA 30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	871.80	22.37
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0120 EA 32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	889.63	22.37
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0121 EA 36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	921.76	23.34
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0122 EA 40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	956.05	23.34
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0123 EA 42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	989.31	26.26
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0124 EA 44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,012.62	26.26
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0125 96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0115)</small>		
08 38 19 00-0126 EA 24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	839.68	21.39
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0127 EA 28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	916.49	21.39
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0128 EA 30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	939.01	22.37
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0129 EA 32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	948.61	22.37
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0130 EA 36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	978.00	23.34
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0131 EA 40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,023.26	23.34
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0132 EA 42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,051.03	26.26
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0133 EA 44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,074.34	26.26
For Each 14" x 16" Window, Add	22.00	
For Each 15" x 20" Window, Add	28.00	
For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0134 Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0135 84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0134)</small>		

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0136	EA		48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,544.23	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0137	EA		56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,689.62	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0138	EA		60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,728.03	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0139	EA		64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,763.69	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0140	EA		72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,827.94	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0141	EA		80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,896.52	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0142	EA		84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,951.38	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0143	EA		88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,998.02	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0144			96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0134)		
08 38 19 00-0145	EA		48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,667.68	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0146	EA		56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,821.30	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0147	EA		60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,862.44	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0148	EA		64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,881.65	36.96
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0149	EA		72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,940.41	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0150	EA		80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,030.93	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0151	EA		84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,074.83	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0152	EA		88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,121.46	38.90
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0153			1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliaison HCP-10) (08 38 19 00-0154)		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154			Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0153)		
08 38 19 00-0155			84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)		
08 38 19 00-0156	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	764.25	21.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0157	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	804.02	21.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0158	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	841.62	22.37
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0159	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	864.94	22.37
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0160	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	924.51	23.34
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0161	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	971.14	23.34
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0162	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,013.99	26.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0163	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,057.89	26.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0164 90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)					
08 38 19 00-0165	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	791.68	21.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0166	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	839.68	21.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0167	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	864.94	22.37
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0168	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	897.86	22.37
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0169	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	961.54	23.34
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0170	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,017.78	23.34
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0171	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,057.89	26.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0172	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,099.03	26.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0173 96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)					
08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	861.63	21.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	871.23	21.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	912.95	22.37
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	943.12	22.37
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0178	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,008.17	23.34
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0179	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,075.38	23.34
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0180	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,112.75	26.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0181	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,153.90	26.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0182 Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0153)					
08 38 19 00-0183 84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0182)					
08 38 19 00-0184	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,516.80	36.96
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0185	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,596.35	36.96
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0186	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,667.68	36.96
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0187	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,714.31	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0188	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,833.43	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0189	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,926.69	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0190	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,000.76	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0191	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,088.54	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0192			90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic		
			Doors <small>(08 38 19 00-0182)</small>		
08 38 19 00-0193	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,571.67	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0194	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,667.68	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0195	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,714.31	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0196	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,780.15	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0197	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,907.49	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,019.96	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,088.54	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,170.84	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0201			96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic		
			Doors <small>(08 38 19 00-0182)</small>		
08 38 19 00-0202	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,711.57	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0203	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,730.77	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0204	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,810.32	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0205	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,870.67	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0206	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,000.76	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0207	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,135.17	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0208	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,198.27	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0209	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,280.56	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0210			1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) <small>(08 38 19 00-0210)</small>		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211			Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0212			84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic		
			Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0213	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	764.25	21.39
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0214	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	804.02	21.39
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0215	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	841.62 6.00 19.00	22.37
08 38 19 00-0216	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	864.94 6.00 19.00	22.37
08 38 19 00-0217	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	924.51 6.00 19.00	23.34
08 38 19 00-0218	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	971.14 6.00 19.00	23.34
08 38 19 00-0219	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,013.99 6.00 19.00	26.26
08 38 19 00-0220	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,057.89 6.00 19.00	26.26
08 38 19 00-0221			90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0222	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	791.68 6.00 19.00	21.39
08 38 19 00-0223	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	839.68 6.00 19.00	21.39
08 38 19 00-0224	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	864.94 6.00 19.00	22.37
08 38 19 00-0225	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	897.86 6.00 19.00	22.37
08 38 19 00-0226	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	961.54 6.00 19.00	23.34
08 38 19 00-0227	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,017.78 6.00 19.00	23.34
08 38 19 00-0228	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,057.89 6.00 19.00	26.26
08 38 19 00-0229	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,099.03 6.00 19.00	26.26
08 38 19 00-0230			96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0231	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	861.63 6.00 19.00	21.39
08 38 19 00-0232	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	871.23 6.00 19.00	21.39
08 38 19 00-0233	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	912.95 6.00 19.00	22.37
08 38 19 00-0234	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	943.12 6.00 19.00	22.37
08 38 19 00-0235	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,008.17 6.00 19.00	23.34
08 38 19 00-0236	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,075.38 6.00 19.00	23.34
08 38 19 00-0237	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,112.75 6.00 19.00	26.26
08 38 19 00-0238	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,153.90 6.00 19.00	26.26
08 38 19 00-0239			Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0240			84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0241	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,516.80 6.00 19.00	36.96
08 38 19 00-0242	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,596.35 6.00 19.00	36.96

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0243	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,667.68	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0244	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,714.31	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0245	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,833.43	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0246	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,926.69	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0247	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,000.76	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0248	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,088.54	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0249			90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic		
			Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0250	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,571.67	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0251	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,667.68	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0252	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,714.31	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0253	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,780.15	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0254	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,907.49	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0255	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,019.96	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0256	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,088.54	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0257	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,170.84	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0258			96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic		
			Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0259	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,711.57	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0260	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,730.77	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0261	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,810.32	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0262	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,870.67	36.96
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0263	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,000.76	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0264	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,135.17	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0265	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,198.27	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0266	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,280.56	38.90
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0267			Rigid Impact Traffic Door Accessories <small>(08 38 19)</small>		
08 38 19 00-0268			Bumper Strips For Impact Traffic Doors <small>(08 38 19 00-0267)</small>		
			Note: Includes two bumpers per set.		
08 38 19 00-0269	SET		24" Wide, Bumper Strips For Impact Traffic Doors.....	66.31	15.56
08 38 19 00-0270	SET		30" Wide, Bumper Strips For Impact Traffic Doors.....	73.17	15.56
08 38 19 00-0271	SET		36" Wide, Bumper Strips For Impact Traffic Doors.....	78.65	15.56
08 38 19 00-0272	SET		48" Wide, Bumper Strips For Impact Traffic Doors.....	88.25	15.56
08 38 19 00-0273			Easy Spring Bumpers For Impact Traffic Doors <small>(08 38 19 00-0267)</small>		
			Note: Includes two bumpers per set.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0274	SET		18" Height, Easy Spring Bumpers For Impact Traffic Doors.....	177.41	15.56
08 38 19 00-0275	SET		24" Height, Easy Spring Bumpers For Impact Traffic Doors.....	235.01	15.56
08 38 19 00-0276	SET		36" Height, Easy Spring Bumpers For Impact Traffic Doors.....	346.11	15.56
08 38 19 00-0277	SET		42" Height, Easy Spring Bumpers For Impact Traffic Doors.....	399.61	15.56
08 38 19 00-0278	SET		48" Height, Easy Spring Bumpers For Impact Traffic Doors.....	454.47	15.56
08 38 19 00-0279			Scuff Plates For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280			12" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0281	SET		24" Wide x 12" High, Impact Traffic Door Scuff Plates.....	78.65	15.56
08 38 19 00-0282	SET		30" Wide x 12" High, Impact Traffic Door Scuff Plates.....	84.14	15.56
08 38 19 00-0283	SET		36" Wide x 12" High, Impact Traffic Door Scuff Plates.....	91.00	15.56
08 38 19 00-0284	SET		42" Wide x 12" High, Impact Traffic Door Scuff Plates.....	100.60	15.56
08 38 19 00-0285	SET		48" Wide x 12" High, Impact Traffic Door Scuff Plates.....	106.08	15.56
08 38 19 00-0286			24" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0287	SET		24" Wide x 24" High, Impact Traffic Door Scuff Plates.....	106.08	15.56
08 38 19 00-0288	SET		30" Wide x 24" High, Impact Traffic Door Scuff Plates.....	130.77	15.56
08 38 19 00-0289	SET		36" Wide x 24" High, Impact Traffic Door Scuff Plates.....	144.49	15.56
08 38 19 00-0290	SET		42" Wide x 24" High, Impact Traffic Door Scuff Plates.....	163.69	15.56
08 38 19 00-0291	SET		48" Wide x 24" High, Impact Traffic Door Scuff Plates.....	176.04	15.56
08 38 19 00-0292			30" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0293	SET		24" Wide x 30" High, Impact Traffic Door Scuff Plates.....	130.77	15.56
08 38 19 00-0294	SET		30" Wide x 30" High, Impact Traffic Door Scuff Plates.....	152.72	15.56
08 38 19 00-0295	SET		36" Wide x 30" High, Impact Traffic Door Scuff Plates.....	169.18	15.56
08 38 19 00-0296	SET		42" Wide x 30" High, Impact Traffic Door Scuff Plates.....	199.35	15.56
08 38 19 00-0297	SET		48" Wide x 30" High, Impact Traffic Door Scuff Plates.....	219.93	15.56
08 38 19 00-0298			36" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0299	SET		24" Wide x 36" High, Impact Traffic Door Scuff Plates.....	144.49	15.56
08 38 19 00-0300	SET		30" Wide x 36" High, Impact Traffic Door Scuff Plates.....	169.18	15.56
08 38 19 00-0301	SET		36" Wide x 36" High, Impact Traffic Door Scuff Plates.....	196.61	15.56
08 38 19 00-0302	SET		42" Wide x 36" High, Impact Traffic Door Scuff Plates.....	211.70	15.56
08 38 19 00-0303	SET		48" Wide x 36" High, Impact Traffic Door Scuff Plates.....	235.01	15.56
08 38 19 00-0304			48" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0305	SET		24" Wide x 48" High, Impact Traffic Door Scuff Plates.....	176.04	15.56
08 38 19 00-0306	SET		30" Wide x 48" High, Impact Traffic Door Scuff Plates.....	219.93	15.56
08 38 19 00-0307	SET		36" Wide x 48" High, Impact Traffic Door Scuff Plates.....	235.01	15.56
08 38 19 00-0308	SET		42" Wide x 48" High, Impact Traffic Door Scuff Plates.....	263.82	15.56
08 38 19 00-0309	SET		48" Wide x 48" High, Impact Traffic Door Scuff Plates.....	295.36	15.56
08 38 19 00-0310			Base Plates For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two base plates per set.		
08 38 19 00-0311			Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0312			12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0313	SET		24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	75.91	15.56
08 38 19 00-0314	SET		30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	81.40	15.56
08 38 19 00-0315	SET		36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	84.14	15.56
08 38 19 00-0316	SET		42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	96.48	15.56
08 38 19 00-0317	SET		48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	101.97	15.56
08 38 19 00-0318			24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0319	SET		24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	96.48	15.56
08 38 19 00-0320	SET		30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	104.71	15.56
08 38 19 00-0321	SET		36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	112.94	15.56
08 38 19 00-0322	SET		42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	119.80	15.56
08 38 19 00-0323	SET		48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	130.77	15.56
08 38 19 00-0324			30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0325	SET		24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	110.20	15.56
08 38 19 00-0326	SET		30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	117.06	15.56
08 38 19 00-0327	SET		36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	133.52	15.56
08 38 19 00-0328	SET		42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	151.35	15.56
08 38 19 00-0329	SET		48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	159.58	15.56
08 38 19 00-0330			36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0331	SET		24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	117.06	15.56
08 38 19 00-0332	SET		30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	130.77	15.56


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 38 19 00-0333	SET	36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	151.35	15.56
08 38 19 00-0334	SET	42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	167.81	15.56
08 38 19 00-0335	SET	48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	177.41	15.56
08 38 19 00-0336		48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0337	SET	24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	148.60	15.56
08 38 19 00-0338	SET	30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	167.81	15.56
08 38 19 00-0339	SET	36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	193.87	15.56
08 38 19 00-0340	SET	42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	206.21	15.56
08 38 19 00-0341	SET	48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	222.67	15.56
08 38 19 00-0342		Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0343		12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0344	SET	24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	100.60	15.56
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	106.08	15.56
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	122.54	15.56
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	130.77	15.56
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	154.09	15.56
08 38 19 00-0349		24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	139.00	15.56
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	163.69	15.56
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	188.38	15.56
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	218.56	15.56
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	245.99	15.56
08 38 19 00-0355		30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	158.21	15.56
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	191.12	15.56
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	221.30	15.56
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	252.85	15.56
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	289.88	15.56
08 38 19 00-0361		36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	182.89	15.56
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	218.56	15.56
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	259.70	15.56
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	299.48	15.56
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	333.77	15.56
08 38 19 00-0367		48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	226.78	15.56
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	311.82	15.56
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	333.77	15.56
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	399.61	15.56
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	438.01	15.56
08 38 19 00-0373		One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0374		12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	89.63	15.56
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	96.48	15.56
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	104.71	15.56
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	114.31	15.56
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	129.40	15.56
08 38 19 00-0380		24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	119.80	15.56
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	136.26	15.56
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	152.72	15.56
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	170.55	15.56
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	191.12	15.56
08 38 19 00-0386		30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	136.26	15.56
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	156.83	15.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0389 SET 36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	180.15	15.56
08 38 19 00-0390 SET 42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	208.95	15.56
08 38 19 00-0391 SET 48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	228.16	15.56
08 38 19 00-0392 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0393 SET 24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	152.72	15.56
08 38 19 00-0394 SET 30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	180.15	15.56
08 38 19 00-0395 SET 36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	208.95	15.56
08 38 19 00-0396 SET 42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	237.76	15.56
08 38 19 00-0397 SET 48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	258.33	15.56
08 38 19 00-0398 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0399 SET 24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	191.12	15.56
08 38 19 00-0400 SET 30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	233.64	15.56
08 38 19 00-0401 SET 36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	258.33	15.56
08 38 19 00-0402 SET 42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	307.71	15.56
08 38 19 00-0403 SET 48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	321.42	15.56
08 38 19 00-0404 Jamb Guards For Impact Traffic Doors (08 38 19 00-0267)		
08 38 19 00-0405 EA 3" x 9", Jamb Guard For Impact Traffic Doors	122.32	19.45
08 38 19 00-0406 EA 5" x 18", Jamb Guard For Impact Traffic Doors	163.47	19.45
08 38 19 00-0407 EA 5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors.....	314.34	19.45
08 38 19 00-0408 Other Impact Traffic Door Accessories (08 38 19 00-0267)		
08 38 19 00-0409 EA Push Plate For Impact Traffic Doors.....	31.67	9.72
08 38 19 00-0410 EA Pull Handle For Impact Traffic Doors.....	41.27	9.72
08 38 19 00-0411 EA Deadbolt Lock For Impact Traffic Doors	100.24	9.72
08 38 19 00-0412 PR Lock Hole Reinforcements For Impact Traffic Doors	124.93	9.72
08 38 19 00-0413 PR Padlock Brackets For Impact Traffic Doors.....	50.87	9.72
08 38 19 00-0414 Impact Traffic Door Knock Down Frames (08 38 19)		
Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415 Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0416 84" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0417 EA 24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	303.33	29.17
08 38 19 00-0418 EA 28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	355.82	32.09
08 38 19 00-0419 EA 30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	364.37	34.04
08 38 19 00-0420 EA 32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	374.28	36.96
08 38 19 00-0421 EA 36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	383.42	38.90
08 38 19 00-0422 EA 40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	399.90	40.84
08 38 19 00-0423 EA 42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	412.20	42.79
08 38 19 00-0424 EA 44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	420.70	44.73
08 38 19 00-0425 90" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0426 EA 24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	309.45	29.17
08 38 19 00-0427 EA 28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	363.10	32.09
08 38 19 00-0428 EA 30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	371.78	34.04
08 38 19 00-0429 EA 32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	381.79	36.96
08 38 19 00-0430 EA 36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	391.06	38.90
08 38 19 00-0431 EA 40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	407.85	40.84
08 38 19 00-0432 EA 42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	420.36	42.79
08 38 19 00-0433 EA 44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	428.98	44.73
08 38 19 00-0434 96" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0435 EA 24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	317.58	29.17
08 38 19 00-0436 EA 28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	372.79	32.09
08 38 19 00-0437 EA 30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	381.62	34.04
08 38 19 00-0438 EA 32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	389.35	36.96
08 38 19 00-0439 EA 36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	401.21	38.90
08 38 19 00-0440 EA 40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	415.81	40.84
08 38 19 00-0441 EA 42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	431.21	42.79
08 38 19 00-0442 EA 44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	440.59	43.76
08 38 19 00-0443 Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0444 84" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0445 EA 48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	427.76	44.73
08 38 19 00-0446 EA 56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	434.95	45.51
08 38 19 00-0447 EA 60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	443.32	46.68
08 38 19 00-0448 EA 64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	455.09	48.63
08 38 19 00-0449 EA 72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	462.75	50.56
08 38 19 00-0450 EA 80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	477.79	50.96

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	488.04	51.54
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	500.50	52.51

08 38 19 00-0453 90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)

08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	436.21	44.73
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	443.52	45.51
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	452.07	46.68
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	464.03	48.63
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	471.80	50.56
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	487.19	50.96
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	497.66	51.54
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	510.39	52.51

08 38 19 00-0462 96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)

08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	446.07	44.73
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	452.08	45.51
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	463.69	46.68
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	472.97	48.63
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	483.80	50.56
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	501.04	50.96
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	510.44	51.54
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	521.73	52.51

08 40 Entrances, Storefronts, And Curtain Walls (08)**08 42 Entrances** (08 40)**08 42 13 Aluminum-Framed Entrances** (08 42)**08 42 13 00-0001 Aluminum Framed Entrance Doors** (08 42 13)

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. Special-Lite. See CSI section 08 71 23 00-2087 for exit device, 08 71 23 00-2219 for closer.

08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	2,285.39	329.02
		For 8' High Door, Add	206.09	
		For 10' High Door, Add	448.03	
		For 1" Insulated Glazing, Add	42.08	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	2,297.01	329.02
		For 8' High Door, Add	207.43	
		For 10' High Door, Add	450.93	
		For 1" Insulated Glazing, Add	42.08	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	3,843.62	493.44
		For 8' High Door, Add	357.09	
		For 10' High Door, Add	776.29	
		For 1" Insulated Glazing, Add	84.15	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14)	4,414.96	493.44
		For 8' High Door, Add	422.80	
		For 10' High Door, Add	919.13	
		For 1" Insulated Glazing, Add	84.15	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	2,529.26	329.02
		For 8' High Door, Add	234.14	
		For 10' High Door, Add	509.00	
		For 1" Insulated Glazing, Add	42.08	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	2,555.97	329.02
		For 8' High Door, Add	237.21	
		For 10' High Door, Add	515.67	
		For 1" Insulated Glazing, Add	42.08	
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	4,304.64	493.44
		For 8' High Door, Add	410.11	
		For 10' High Door, Add	891.55	
		For 1" Insulated Glazing, Add	84.15	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15)	4,862.53	493.44
		For 8' High Door, Add	474.27	
		For 10' High Door, Add	1,031.02	
		For 1" Insulated Glazing, Add	84.15	

08 42 26 All-Glass Entrances (08 42)**08 42 26 00-0001 Full Glass Entrance Doors** (08 42 26)

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0002	EA		3' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	2,895.13	123.32
			<i>For Anodized Color, Add</i>	432.33	
			<i>For Stainless Steel, Add</i>	1,561.20	
			<i>For 8' High Door, Add</i>	276.21	
			<i>For 10' High Door, Add</i>	600.46	
			<i>For 1" Insulated Glazing, Add</i>	42.08	
08 42 26 00-0003	PR		6' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1/2").....	5,239.68	147.99
			<i>For Anodized Color, Add</i>	816.30	
			<i>For Stainless Steel, Add</i>	2,947.74	
			<i>For 8' High Door, Add</i>	521.52	
			<i>For 10' High Door, Add</i>	1,133.75	
			<i>For 1" Insulated Glazing, Add</i>	84.15	
08 42 26 00-0004	EA		3' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,327.83	123.32
			<i>For Anodized Color, Add</i>	510.22	
			<i>For Stainless Steel, Add</i>	1,842.46	
			<i>For 8' High Door, Add</i>	325.97	
			<i>For 10' High Door, Add</i>	708.64	
			<i>For 1" Insulated Glazing, Add</i>	42.08	
08 42 26 00-0005	PR		6' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 5/8").....	6,171.33	147.99
			<i>For Anodized Color, Add</i>	984.00	
			<i>For Stainless Steel, Add</i>	3,553.32	
			<i>For 8' High Door, Add</i>	628.66	
			<i>For 10' High Door, Add</i>	1,366.66	
			<i>For 1" Insulated Glazing, Add</i>	84.15	
08 42 26 00-0006	EA		3' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,758.84	123.32
			<i>For Anodized Color, Add</i>	587.80	
			<i>For Stainless Steel, Add</i>	2,122.61	
			<i>For 8' High Door, Add</i>	375.54	
			<i>For 10' High Door, Add</i>	816.39	
			<i>For 1" Insulated Glazing, Add</i>	42.08	
08 42 26 00-0007	PR		6' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 3/4").....	7,101.45	147.99
			<i>For Anodized Color, Add</i>	1,151.42	
			<i>For Stainless Steel, Add</i>	4,157.89	
			<i>For 8' High Door, Add</i>	735.63	
			<i>For 10' High Door, Add</i>	1,599.19	
			<i>For 1" Insulated Glazing, Add</i>	84.15	
08 42 26 00-0008	EA		3' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware	4,622.54	123.32
			<i>For Anodized Color, Add</i>	743.27	
			<i>For Stainless Steel, Add</i>	2,684.02	
			<i>For 8' High Door, Add</i>	474.86	
			<i>For 10' High Door, Add</i>	1,032.32	
			<i>For 1" Insulated Glazing, Add</i>	42.08	
08 42 26 00-0009	PR		6' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1").....	8,963.21	147.99
			<i>For Anodized Color, Add</i>	1,486.53	
			<i>For Stainless Steel, Add</i>	5,368.04	
			<i>For 8' High Door, Add</i>	949.73	
			<i>For 10' High Door, Add</i>	2,064.63	
			<i>For 1" Insulated Glazing, Add</i>	84.15	
08 42 26 00-0010			Frames For Full Glass Doors (08 42 26)		
08 42 26 00-0011	LF		Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	13.60	1.48
08 42 26 00-0012	LF		Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	17.52	1.97
08 42 29			Automatic Entrances (08 42)		
08 42 29 23			Sliding Automatic Entrances (08 42 29)		
			Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can "break-out" in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 42 29 23-0001			Bronze Finished Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0002			2 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)		
			Note: Single sliding.		
08 42 29 23-0003	EA		5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,386.68	49.33
08 42 29 23-0004	EA		6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,536.48	66.59
08 42 29 23-0005	EA		7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,670.84	73.99
08 42 29 23-0006	EA		8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,801.33	81.39
08 42 29 23-0007	EA		10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,370.01	98.65
08 42 29 23-0008	EA		12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,455.82	115.92
08 42 29 23-0009	EA		15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,291.40	133.18
08 42 29 23-0010			4 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)		
			Note: Bi-parting.		
08 42 29 23-0011	EA		12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,767.36	123.32
08 42 29 23-0012	EA		16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,300.84	147.99
08 42 29 23-0013	EA		20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	4,695.65	172.60
08 42 29 23-0014			Aluminum Finished Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0015			2 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0014)		
			Note: Single sliding.		
08 42 29 23-0016	EA		5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	1,265.33	49.33

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0017	EA		6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	1,404.28	66.59
08 42 29 23-0018	EA		7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	1,525.14	73.99
08 42 29 23-0019	EA		8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	1,646.96	81.39
08 42 29 23-0020	EA		10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	2,165.34	98.65
08 42 29 23-0021	EA		12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	2,246.31	115.92
08 42 29 23-0022	EA		15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	3,006.45	133.18
08 42 29 23-0023			4 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0014)		
			Note: Bi-parting.		
08 42 29 23-0024	EA		12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	2,529.90	123.32
08 42 29 23-0025	EA		16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	3,017.75	147.99
08 42 29 23-0026	EA		20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,285.83	172.60
08 42 29 23-0027			Stainless Steel Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0028			2 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0027)		
			Note: Single sliding.		
08 42 29 23-0029	EA		5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	1,591.77	49.33
08 42 29 23-0030	EA		6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	1,759.94	66.59
08 42 29 23-0031	EA		7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	2,047.44	73.99
08 42 29 23-0032	EA		8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	2,351.48	81.39
08 42 29 23-0033	EA		10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	2,715.99	98.65
08 42 29 23-0034	EA		12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	2,809.95	115.92
08 42 29 23-0035	EA		15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	3,773.12	133.18
08 42 29 23-0036			4 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0027)		
			Note: Bi-parting.		
08 42 29 23-0037	EA		12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	3,168.75	123.32
08 42 29 23-0038	EA		16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	3,779.31	147.99
08 42 29 23-0039	EA		20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	5,388.39	172.65
08 42 29 23-0040			Accessories For Sliding Automatic Entrances (08 42 29 23)		
			See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0041	EA		Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls	3,019.57	388.97
			Note: Includes motor for pair of sliding doors (2 panels).		
08 42 29 23-0042	EA		Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls	5,446.75	583.46
			Note: Includes motor for pair of sliding doors (4 panel).		
08 42 29 33			Swinging Automatic Entrances (08 42 29)		
			Note: Excludes glazing.		
08 42 29 33-0001			Swing Door Operators, Up To 350 LB Panel Weight (08 42 29 33)		
			Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002	EA		Concealed Single Door Swing Door Operator, Up To 350 LB Panel	2,196.52	255.19
			Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0003	EA		Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	3,882.98	340.28
			Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0004	EA		Exposed Single Door Swing Door Operator, Up To 350 LB Panel	1,835.01	204.15
08 42 29 33-0005	EA		Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	3,363.53	306.23
08 42 29 33-0006			Activation Devices For Door Operators (08 42 29 33)		
08 42 29 33-0007	EA		Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97)	330.67	20.41
			Note: Includes wiring harness and relays.		
08 42 29 33-0008	EA		On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)	289.58	20.41
			Note: Includes wiring harness and relays.		
08 42 29 33-0009	EA		Microwave Motion Sensor For Door Operator (MS Sedco D38)	292.86	20.41
			Note: Includes wiring harness and relays.		
08 42 29 33-0010	EA		Push Plate For Door Operator (MS Sedco 59 Series)	98.56	20.41
			Note: Excludes wiring from operator to push plate.		
08 42 29 33-0011	EA		Jamb Mounted Push Button For Door Operator (MS Sedco 425 Series)	76.92	20.41
			Note: Excludes wiring from operator to push button.		
08 42 29 33-0012	EA		Radio Control System For Door Operator (MS Sedco Clearpath)	429.08	51.04
			Note: Includes receiver and two push plate transmitters.		
08 42 29 33-0013	EA		Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision)	745.10	25.52
			Note: Includes wiring harness and relays.		
08 42 29 33-0014	EA		Guard Rail For Door With Operator	122.65	25.52
			<i>For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct -64.00</i>		
08 42 33			Revolving Door Entrances (08 42)		
08 42 33 00-0001			Aluminum Revolving Doors (08 42 33)		
			Note: Includes 3/4" tempered glass.		
08 42 33 00-0002	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	20,727.49	2,528.75
			<i>For Automatic Controls, Add</i>	6,240.82	
			<i>For Powder Coated, Add</i>	936.36	
08 42 33 00-0003	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	27,585.12	3,793.18
			<i>For Automatic Controls, Add</i>	6,936.24	
			<i>For Powder Coated, Add</i>	1,176.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 42 33 00-0004	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....	43,391.83	4,551.79
			<i>For Automatic Controls, Add</i>	7,353.48	
			<i>For Powder Coated, Add</i>	2,080.80	
08 42 33 00-0005	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	23,099.67	2,781.59
			<i>For Automatic Controls, Add</i>	6,382.74	
			<i>For Powder Coated, Add</i>	1,048.62	
08 42 33 00-0006	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	30,617.47	4,172.63
			<i>For Automatic Controls, Add</i>	7,125.89	
			<i>For Powder Coated, Add</i>	1,317.71	
08 42 33 00-0007	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	48,494.18	5,006.97
			<i>For Automatic Controls, Add</i>	7,631.65	
			<i>For Powder Coated, Add</i>	2,330.27	

08 42 33 00-0008 Stainless Steel Revolving Doors (08 42 33)

Note: Includes 3/4" tempered glass.

08 42 33 00-0009	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware.....	21,348.19	2,528.75
			<i>For Automatic Controls, Add</i>	6,240.82	
08 42 33 00-0010	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware.....	28,365.11	3,793.18
			<i>For Automatic Controls, Add</i>	6,936.24	
08 42 33 00-0011	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware.....	44,771.18	4,551.79
			<i>For Automatic Controls, Add</i>	7,353.48	
08 42 33 00-0012	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware.....	23,796.45	2,781.59
			<i>For Automatic Controls, Add</i>	6,382.74	
08 42 33 00-0013	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware.....	31,493.05	4,172.63
			<i>For Automatic Controls, Add</i>	7,125.89	
08 42 33 00-0014	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware.....	50,042.58	5,006.97
			<i>For Automatic Controls, Add</i>	7,631.65	

08 42 33 00-0015 Bronze Revolving Doors (08 42 33)

Note: Includes 3/4" tempered glass.

08 42 33 00-0016	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware.....	19,159.20	2,528.75
			<i>For Automatic Controls, Add</i>	6,240.82	
08 42 33 00-0017	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware.....	25,614.39	3,793.18
			<i>For Automatic Controls, Add</i>	6,936.24	
08 42 33 00-0018	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware.....	39,906.74	4,551.79
			<i>For Automatic Controls, Add</i>	7,353.48	
08 42 33 00-0019	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware.....	21,344.77	2,781.59
			<i>For Automatic Controls, Add</i>	6,382.74	
08 42 33 00-0020	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware.....	28,412.24	4,172.63
			<i>For Automatic Controls, Add</i>	7,125.89	
08 42 33 00-0021	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware.....	44,594.41	5,006.97
			<i>For Automatic Controls, Add</i>	7,631.65	

08 42 36 Balanced Door Entrances (08 42)

08 42 36 00-0001 Balanced Doors, With Glass (08 42 36)

Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.

08 42 36 00-0002	EA		2'-6" x 7'-0" Balanced Door, Stainless Steel.....	8,593.69	105.64
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-2,082.38	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	832.95	
			<i>For Tinted Glass, Add</i>	416.48	
			<i>For Aluminum, Painted Finish, Deduct</i>	-2,498.86	
08 42 36 00-0003	EA		3'-0" x 7'-0" Balanced Door, Stainless Steel.....	8,931.95	105.64
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-2,166.95	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	866.78	
			<i>For Tinted Glass, Add</i>	433.39	
			<i>For Aluminum, Painted Finish, Deduct</i>	-2,600.33	
08 42 36 00-0004	EA		3'-6" x 7'-0" Balanced Door, Stainless Steel.....	9,753.50	105.64
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-2,372.33	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	948.93	
			<i>For Tinted Glass, Add</i>	474.47	
			<i>For Aluminum, Painted Finish, Deduct</i>	-2,846.80	
08 42 36 00-0005	EA		4'-0" x 7'-0" Balanced Door, Stainless Steel.....	10,720.05	105.64
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-2,613.97	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	1,045.59	
			<i>For Tinted Glass, Add</i>	522.79	
			<i>For Aluminum, Painted Finish, Deduct</i>	-3,136.76	
08 42 36 00-0006	PR		Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel.....	17,837.50	200.77
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-4,333.90	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	1,733.56	
			<i>For Tinted Glass, Add</i>	866.78	
			<i>For Aluminum, Painted Finish, Deduct</i>	-5,200.67	

08 43 Storefronts (08 40)

08 43 13 Aluminum-Framed Storefronts (08 43)

08 43 13 00-0001 Aluminum Storefront Framing Assembly (08 43 13)

Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 23-0045 for laminated glazing, 08 81 23 23-0051 for insulated glazing.

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 43 Storefronts**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0002			1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0003	SF		5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.83	3.62
			<i>For Various Color Class I Anodized Finish, Add</i>	0.50	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.50	
08 43 13 00-0004	SF		6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.43	3.26
			<i>For Various Color Class I Anodized Finish, Add</i>	0.45	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.35	
08 43 13 00-0005	SF		7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	11.42	3.00
			<i>For Various Color Class I Anodized Finish, Add</i>	0.41	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.24	
08 43 13 00-0006	SF		8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	10.67	2.81
			<i>For Various Color Class I Anodized Finish, Add</i>	0.38	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.15	
08 43 13 00-0007	SF		9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	10.09	2.66
			<i>For Various Color Class I Anodized Finish, Add</i>	0.36	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.09	
08 43 13 00-0008	SF		10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	9.62	2.55
			<i>For Various Color Class I Anodized Finish, Add</i>	0.35	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.04	
08 43 13 00-0009	SF		11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	9.23	2.45
			<i>For Various Color Class I Anodized Finish, Add</i>	0.33	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.00	
08 43 13 00-0010	SF		12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	8.92	2.37
			<i>For Various Color Class I Anodized Finish, Add</i>	0.32	
			<i>For Black Color Class I Anodized Finish, Add</i>	0.96	
08 43 13 00-0011			1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0012	SF		5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.04	4.73
			<i>For Various Color Class I Anodized Finish, Add</i>	0.65	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.96	
08 43 13 00-0013	SF		6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.92	4.20
			<i>For Various Color Class I Anodized Finish, Add</i>	0.58	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.73	
08 43 13 00-0014	SF		7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.47	3.80
			<i>For Various Color Class I Anodized Finish, Add</i>	0.52	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.56	
08 43 13 00-0015	SF		8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.33	3.50
			<i>For Various Color Class I Anodized Finish, Add</i>	0.48	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.44	
08 43 13 00-0016	SF		9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.46	3.26
			<i>For Various Color Class I Anodized Finish, Add</i>	0.45	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.34	
08 43 13 00-0017	SF		10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	11.72	3.11
			<i>For Various Color Class I Anodized Finish, Add</i>	0.42	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.27	
08 43 13 00-0018	SF		11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	11.18	2.96
			<i>For Various Color Class I Anodized Finish, Add</i>	0.40	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.20	
08 43 13 00-0019	SF		12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	10.69	2.81
			<i>For Various Color Class I Anodized Finish, Add</i>	0.38	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.15	
08 43 13 00-0020			1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021	SF		5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.27	5.83
			<i>For Various Color Class I Anodized Finish, Add</i>	0.81	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.42	
08 43 13 00-0022	SF		6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.49	5.08
			<i>For Various Color Class I Anodized Finish, Add</i>	0.70	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.11	
08 43 13 00-0023	SF		7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.47	4.59
			<i>For Various Color Class I Anodized Finish, Add</i>	0.63	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0024	SF		8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.96	4.20
			<i>For Various Color Class I Anodized Finish, Add</i>	0.58	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.73	
08 43 13 00-0025	SF		9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.76	3.89
			<i>For Various Color Class I Anodized Finish, Add</i>	0.53	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.60	
08 43 13 00-0026	SF		10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.84	3.65
			<i>For Various Color Class I Anodized Finish, Add</i>	0.50	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.50	
08 43 13 00-0027	SF		11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.08	3.45
			<i>For Various Color Class I Anodized Finish, Add</i>	0.47	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.41	
08 43 13 00-0028	SF		12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.45	3.31
			<i>For Various Color Class I Anodized Finish, Add</i>	0.45	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.34	
08 43 13 00-0029			2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0030	SF		5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.24	3.80
			<i>For Various Color Class I Anodized Finish, Add</i>	0.51	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.53	
08 43 13 00-0031	SF		6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.80	3.41
			<i>For Various Color Class I Anodized Finish, Add</i>	0.46	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.37	
08 43 13 00-0032	SF		7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	11.70	3.16
			<i>For Various Color Class I Anodized Finish, Add</i>	0.42	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.25	
08 43 13 00-0033	SF		8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	10.93	2.96
			<i>For Various Color Class I Anodized Finish, Add</i>	0.39	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.17	
08 43 13 00-0034	SF		9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	10.31	2.76
			<i>For Various Color Class I Anodized Finish, Add</i>	0.37	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.10	
08 43 13 00-0035	SF		10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	9.86	2.66
			<i>For Various Color Class I Anodized Finish, Add</i>	0.35	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.05	
08 43 13 00-0036	SF		11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	9.40	2.57
			<i>For Various Color Class I Anodized Finish, Add</i>	0.33	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.00	
08 43 13 00-0037	SF		12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	9.11	2.47
			<i>For Various Color Class I Anodized Finish, Add</i>	0.32	
			<i>For Black Color Class I Anodized Finish, Add</i>	0.96	
08 43 13 00-0038			2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0039	SF		5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.87	5.13
			<i>For Various Color Class I Anodized Finish, Add</i>	0.66	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.99	
08 43 13 00-0040	SF		6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.61	4.54
			<i>For Various Color Class I Anodized Finish, Add</i>	0.59	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.76	
08 43 13 00-0041	SF		7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.02	4.10
			<i>For Various Color Class I Anodized Finish, Add</i>	0.53	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.58	
08 43 13 00-0042	SF		8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.80	3.80
			<i>For Various Color Class I Anodized Finish, Add</i>	0.48	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.45	
08 43 13 00-0043	SF		9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.91	3.55
			<i>For Various Color Class I Anodized Finish, Add</i>	0.45	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.36	
08 43 13 00-0044	SF		10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.12	3.36
			<i>For Various Color Class I Anodized Finish, Add</i>	0.43	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.28	
08 43 13 00-0045	SF		11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	11.50	3.16
			<i>For Various Color Class I Anodized Finish, Add</i>	0.40	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.21	
08 43 13 00-0046	SF		12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	11.01	3.01
			<i>For Various Color Class I Anodized Finish, Add</i>	0.39	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.16	

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 43 Storefronts**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0047			2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0048	SF		5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.85	6.12
			<i>For Various Color Class I Anodized Finish, Add</i>	0.82	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.45	
08 43 13 00-0049	SF		6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.96	5.33
			<i>For Various Color Class I Anodized Finish, Add</i>	0.71	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.14	
08 43 13 00-0050	SF		7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.87	4.78
			<i>For Various Color Class I Anodized Finish, Add</i>	0.64	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.91	
08 43 13 00-0051	SF		8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.34	4.39
			<i>For Various Color Class I Anodized Finish, Add</i>	0.58	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.74	
08 43 13 00-0052	SF		9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.12	4.05
			<i>For Various Color Class I Anodized Finish, Add</i>	0.54	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.61	
08 43 13 00-0053	SF		10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.14	3.80
			<i>For Various Color Class I Anodized Finish, Add</i>	0.50	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.50	
08 43 13 00-0054	SF		11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.35	3.60
			<i>For Various Color Class I Anodized Finish, Add</i>	0.47	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.42	
08 43 13 00-0055	SF		12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.66	3.45
			<i>For Various Color Class I Anodized Finish, Add</i>	0.45	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.35	
08 43 13 00-0056			2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0057	SF		5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.89	3.89
			<i>For Various Color Class I Anodized Finish, Add</i>	0.72	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.16	
08 43 13 00-0058	SF		6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.09	3.50
			<i>For Various Color Class I Anodized Finish, Add</i>	0.65	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.95	
08 43 13 00-0059	SF		7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.84	3.21
			<i>For Various Color Class I Anodized Finish, Add</i>	0.60	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.79	
08 43 13 00-0060	SF		8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.89	3.01
			<i>For Various Color Class I Anodized Finish, Add</i>	0.56	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.67	
08 43 13 00-0061	SF		9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.14	2.86
			<i>For Various Color Class I Anodized Finish, Add</i>	0.53	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.58	
08 43 13 00-0062	SF		10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.54	2.71
			<i>For Various Color Class I Anodized Finish, Add</i>	0.50	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.51	
08 43 13 00-0063	SF		11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.06	2.61
			<i>For Various Color Class I Anodized Finish, Add</i>	0.48	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.45	
08 43 13 00-0064	SF		12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	11.63	2.52
			<i>For Various Color Class I Anodized Finish, Add</i>	0.47	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.40	
08 43 13 00-0065			2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0066	SF		5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.59	5.23
			<i>For Various Color Class I Anodized Finish, Add</i>	0.94	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.82	
08 43 13 00-0067	SF		6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.85	4.63
			<i>For Various Color Class I Anodized Finish, Add</i>	0.83	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.49	
08 43 13 00-0068	SF		7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.90	4.20
			<i>For Various Color Class I Anodized Finish, Add</i>	0.75	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0069	SF		8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.44	3.84
			<i>For Various Color Class I Anodized Finish, Add</i>	0.69	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.08	
08 43 13 00-0070	SF		9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.28	3.60
			<i>For Various Color Class I Anodized Finish, Add</i>	0.65	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.95	
08 43 13 00-0071	SF		10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.39	3.41
			<i>For Various Color Class I Anodized Finish, Add</i>	0.61	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.84	
08 43 13 00-0072	SF		11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.66	3.26
			<i>For Various Color Class I Anodized Finish, Add</i>	0.58	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.75	
08 43 13 00-0073	SF		12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.98	3.11
			<i>For Various Color Class I Anodized Finish, Add</i>	0.56	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.67	
08 43 13 00-0074			2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0075	SF		5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.50	6.12
			<i>For Various Color Class I Anodized Finish, Add</i>	1.16	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.47	
08 43 13 00-0076	SF		6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.05	5.42
			<i>For Various Color Class I Anodized Finish, Add</i>	1.01	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.03	
08 43 13 00-0077	SF		7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.49	4.89
			<i>For Various Color Class I Anodized Finish, Add</i>	0.91	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.73	
08 43 13 00-0078	SF		8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.60	4.44
			<i>For Various Color Class I Anodized Finish, Add</i>	0.83	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.49	
08 43 13 00-0079	SF		9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.09	4.15
			<i>For Various Color Class I Anodized Finish, Add</i>	0.77	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.31	
08 43 13 00-0080	SF		10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.90	3.89
			<i>For Various Color Class I Anodized Finish, Add</i>	0.72	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.17	
08 43 13 00-0081	SF		11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.89	3.65
			<i>For Various Color Class I Anodized Finish, Add</i>	0.68	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.05	
08 43 13 00-0082	SF		12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.10	3.50
			<i>For Various Color Class I Anodized Finish, Add</i>	0.65	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.95	
08 43 13 00-0083			Accessories For Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
08 43 13 00-0084	LF		For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	18.12	3.29
08 43 13 00-0085	LF		For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	20.70	3.61
08 43 13 00-0086	LF		For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing.....	32.23	3.97
08 43 19			Stainless-Steel-Framed Storefronts <small>(08 43)</small>		
08 43 19 00-0001			Stainless Steel Storefront Framing Assembly <small>(08 43 19)</small>		
			Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.		
08 43 19 00-0002	SF		Stainless Steel Storefront Framing Assembly.....	37.30	2.47
			<i>For 70% Fluoropolymer Exterior Finish (Duronar), Add</i>	3.35	
08 44			Curtain Wall And Glazed Assemblies <small>(08 40)</small>		
08 44 13			Glazed Aluminum Curtain Walls <small>(08 44)</small>		
08 44 13 00-0001			Curtain Walls <small>(08 44 13)</small>		
08 44 13 00-0002			Coping Sections <small>(08 44 13 00-0001)</small>		
08 44 13 00-0003	LF		Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section.....	22.74	1.48
			<i>For Bronze Anodized Aluminum, Add</i>	2.11	
			<i>For Stainless Steel, Add</i>	8.88	
			<i>For Black Anodized Finish, Add</i>	3.80	

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 44 Curtain Wall And Glazed Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0004	LF		Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section	23.49	1.48
			For Bronze Anodized Aluminum, Add	2.22	
			For Stainless Steel, Add	9.33	
			For Black Anodized Finish, Add	4.00	
08 44 13 00-0005	LF		Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section.....	28.38	1.97
			For Bronze Anodized Aluminum, Add	2.64	
			For Stainless Steel, Add	11.10	
			For Black Anodized Finish, Add	4.75	
08 44 13 00-0006			Sill Section (08 44 13 00-0001)		
08 44 13 00-0007	LF		Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	18.31	0.99
			For Bronze Anodized Aluminum, Add	1.83	
			For Stainless Steel, Add	7.64	
			For Black Anodized Finish, Add	3.30	
08 44 13 00-0008	LF		Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	19.62	0.99
			For Bronze Anodized Aluminum, Add	2.03	
			For Stainless Steel, Add	8.42	
			For Black Anodized Finish, Add	3.65	
08 44 13 00-0009	LF		Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	20.94	0.99
			For Bronze Anodized Aluminum, Add	2.23	
			For Stainless Steel, Add	9.21	
			For Black Anodized Finish, Add	4.01	
08 44 13 00-0010			Aluminum Column Covers (08 44 13 00-0001)		
			Note: Includes all clips and fasteners.		
08 44 13 00-0011	LF		Aluminum Column Covers, 1/8" x 26", Shaped.....	44.66	2.47
			For Bronze Anodized Aluminum, Add	4.61	
			For Stainless Steel, Add	19.15	
			For Black Anodized Finish, Add	8.31	
08 44 13 00-0012	LF		Aluminum Column Covers, 1/8" x 34", Shaped.....	54.00	2.47
			For Bronze Anodized Aluminum, Add	5.89	
			For Stainless Steel, Add	24.30	
			For Black Anodized Finish, Add	10.60	
08 44 13 00-0013	LF		Aluminum Column Covers, 1/8" x 38", Shaped.....	57.49	2.47
			For Bronze Anodized Aluminum, Add	6.41	
			For Stainless Steel, Add	26.39	
			For Black Anodized Finish, Add	11.55	
08 44 13 00-0014			Spandrel Covers (08 44 13 00-0001)		
			Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		
08 44 13 00-0015	SF		1" Spandrel Cover, Aluminum Both Faces.....	17.49	0.99
			For Bronze Anodized Aluminum, Add	2.00	
			For Stainless Steel, Add	8.21	
			For Black Anodized Finish, Add	3.60	
08 44 13 00-0016	SF		1" Spandrel Cover, Aluminum Exterior Face.....	15.51	0.99
			For Bronze Anodized Aluminum, Add	1.70	
			For Stainless Steel, Add	7.02	
			For Black Anodized Finish, Add	3.07	
08 44 13 00-0017	SF		1" Spandrel Cover, Epoxy Both Faces.....	31.90	0.99
			For Bronze Anodized Aluminum, Add	4.16	
			For Stainless Steel, Add	16.86	
			For Black Anodized Finish, Add	7.49	
08 44 13 00-0018	SF		1" Spandrel Cover, Epoxy Exterior Face Only	26.32	0.99
			For Bronze Anodized Aluminum, Add	3.33	
			For Stainless Steel, Add	13.51	
			For Black Anodized Finish, Add	5.99	
08 44 13 00-0019	SF		2" Spandrel Cover, Aluminum Both Faces.....	19.86	0.99
			For Bronze Anodized Aluminum, Add	2.20	
			For Stainless Steel, Add	9.05	
			For Black Anodized Finish, Add	3.95	
08 44 13 00-0020	SF		2" Spandrel Cover, Aluminum Exterior Face.....	17.98	0.99
			For Bronze Anodized Aluminum, Add	1.91	
			For Stainless Steel, Add	7.92	
			For Black Anodized Finish, Add	3.45	
08 44 13 00-0021	SF		2" Spandrel Cover, Epoxy Both Faces.....	36.63	0.99
			For Bronze Anodized Aluminum, Add	4.71	
			For Stainless Steel, Add	19.11	
			For Black Anodized Finish, Add	8.48	
08 44 13 00-0022	SF		2" Spandrel Cover, Epoxy Exterior Face Only	30.19	0.99
			For Bronze Anodized Aluminum, Add	3.75	
			For Stainless Steel, Add	15.24	
			For Black Anodized Finish, Add	6.74	
08 44 13 00-0023			Curtain Wall, Aluminum System Framing Sections (08 44 13 00-0001)		
			Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0024	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls.....	17.15	0.99
			For Bronze Anodized Aluminum, Add	1.99	
			For Stainless Steel, Add	8.14	
			For Black Anodized Finish, Add	3.57	
08 44 13 00-0025	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls.....	17.08	0.99
			For Bronze Anodized Aluminum, Add	1.99	
			For Stainless Steel, Add	8.14	
			For Black Anodized Finish, Add	3.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0026	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls.....	17.08	0.99
			For Bronze Anodized Aluminum, Add	1.99	
			For Stainless Steel, Add	8.14	
			For Black Anodized Finish, Add	3.57	
			For Corner Mullion, Add	3.89	
08 44 13 00-0027	LF		Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls.....	21.74	1.97
			For Bronze Anodized Aluminum, Add	2.37	
			For Stainless Steel, Add	9.79	
			For Black Anodized Finish, Add	4.27	
08 44 13 00-0028	LF		Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls	21.74	1.97
			For Bronze Anodized Aluminum, Add	2.37	
			For Stainless Steel, Add	9.79	
			For Black Anodized Finish, Add	4.27	
08 44 13 00-0029	LF		Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	21.74	1.97
			For Bronze Anodized Aluminum, Add	2.37	
			For Stainless Steel, Add	9.79	
			For Black Anodized Finish, Add	4.27	
			For Corner Mullion, Add	4.84	
08 44 13 00-0030	LF		Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls.....	23.91	2.17
			For Bronze Anodized Aluminum, Add	2.60	
			For Stainless Steel, Add	10.73	
			For Black Anodized Finish, Add	4.68	
08 44 13 00-0031	LF		Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls	23.91	2.17
			For Bronze Anodized Aluminum, Add	2.60	
			For Stainless Steel, Add	10.73	
			For Black Anodized Finish, Add	4.68	
08 44 13 00-0032	LF		Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	23.91	2.17
			For Bronze Anodized Aluminum, Add	2.60	
			For Stainless Steel, Add	10.73	
			For Black Anodized Finish, Add	4.68	
			For Corner Mullion, Add	5.32	
08 44 13 00-0033	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls.....	26.18	2.47
			For Bronze Anodized Aluminum, Add	2.83	
			For Stainless Steel, Add	11.69	
			For Black Anodized Finish, Add	5.09	
08 44 13 00-0034	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	26.18	2.47
			For Bronze Anodized Aluminum, Add	2.83	
			For Stainless Steel, Add	11.69	
			For Black Anodized Finish, Add	5.09	
08 44 13 00-0035	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls.....	26.18	2.47
			For Bronze Anodized Aluminum, Add	2.83	
			For Stainless Steel, Add	11.69	
			For Black Anodized Finish, Add	5.09	
			For Corner Mullion, Add	5.81	
08 44 13 00-0036	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls.....	29.26	2.66
			For Bronze Anodized Aluminum, Add	3.19	
			For Stainless Steel, Add	13.17	
			For Black Anodized Finish, Add	5.75	
08 44 13 00-0037	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	29.26	2.66
			For Bronze Anodized Aluminum, Add	3.19	
			For Stainless Steel, Add	13.17	
			For Black Anodized Finish, Add	5.75	
08 44 13 00-0038	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls.....	29.26	2.66
			For Bronze Anodized Aluminum, Add	3.19	
			For Stainless Steel, Add	13.17	
			For Black Anodized Finish, Add	5.75	
			For Corner Mullion, Add	6.52	
08 44 13 00-0039	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls.....	33.58	2.96
			For Bronze Anodized Aluminum, Add	3.66	
			For Stainless Steel, Add	15.12	
			For Black Anodized Finish, Add	6.60	
08 44 13 00-0040	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	33.58	2.96
			For Bronze Anodized Aluminum, Add	3.66	
			For Stainless Steel, Add	15.12	
			For Black Anodized Finish, Add	6.60	
08 44 13 00-0041	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls.....	33.58	2.96
			For Bronze Anodized Aluminum, Add	3.66	
			For Stainless Steel, Add	15.12	
			For Black Anodized Finish, Add	6.60	
			For Corner Mullion, Add	7.48	

08 50 Windows (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows (08 50)

08 51 13 Aluminum Windows (08 51)

Note: All units are of standard brushed finish. See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001 Aluminum Windows (08 51 13)

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows (08 51 13 00-0001)

08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (08 51 13 00-0002)

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0004	EA		Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	253.39	37.34
			<i>For Installation In Concrete Or Masonry, Add</i>	17.23	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.82	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	11.47	
			<i>For Clear Anodized Finish, Add</i>	9.56	
			<i>For Color Anodized Finish, Add</i>	13.38	
08 51 13 00-0005	EA		>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	286.78	39.67
			<i>For Installation In Concrete Or Masonry, Add</i>	18.74	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.41	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	13.24	
			<i>For Clear Anodized Finish, Add</i>	11.03	
			<i>For Color Anodized Finish, Add</i>	15.45	
08 51 13 00-0006	EA		>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	315.06	42.00
			<i>For Installation In Concrete Or Masonry, Add</i>	20.13	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.90	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	14.70	
			<i>For Clear Anodized Finish, Add</i>	12.25	
			<i>For Color Anodized Finish, Add</i>	17.15	
08 51 13 00-0007	EA		>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	338.18	44.35
			<i>For Installation In Concrete Or Masonry, Add</i>	21.39	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.29	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	15.86	
			<i>For Clear Anodized Finish, Add</i>	13.21	
			<i>For Color Anodized Finish, Add</i>	18.50	
08 51 13 00-0008	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	392.11	46.68
			<i>For Installation In Concrete Or Masonry, Add</i>	23.42	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.29	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	18.86	
			<i>For Clear Anodized Finish, Add</i>	15.72	
			<i>For Color Anodized Finish, Add</i>	22.00	
08 51 13 00-0009	SF		>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	12.81	1.40
			<i>For Installation In Concrete Or Masonry, Add</i>	0.73	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.21	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.63	
			<i>For Clear Anodized Finish, Add</i>	0.52	
			<i>For Color Anodized Finish, Add</i>	0.73	
08 51 13 00-0010			3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) <small>(08 51 13 00-0002)</small>		
08 51 13 00-0011	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	389.38	37.34
			<i>For Installation In Concrete Or Masonry, Add</i>	20.62	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.54	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	19.63	
			<i>For Clear Anodized Finish, Add</i>	16.36	
			<i>For Color Anodized Finish, Add</i>	22.90	
08 51 13 00-0012	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	434.32	39.67
			<i>For Installation In Concrete Or Masonry, Add</i>	22.43	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.36	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	22.09	
			<i>For Clear Anodized Finish, Add</i>	18.41	
			<i>For Color Anodized Finish, Add</i>	25.77	
08 51 13 00-0013	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	471.58	42.00
			<i>For Installation In Concrete Or Masonry, Add</i>	24.04	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.03	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	24.09	
			<i>For Clear Anodized Finish, Add</i>	20.08	
			<i>For Color Anodized Finish, Add</i>	28.11	
08 51 13 00-0014	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	507.53	44.35
			<i>For Installation In Concrete Or Masonry, Add</i>	25.62	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.67	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	26.02	
			<i>For Clear Anodized Finish, Add</i>	21.68	
			<i>For Color Anodized Finish, Add</i>	30.35	
08 51 13 00-0015	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	607.64	46.68
			<i>For Installation In Concrete Or Masonry, Add</i>	28.80	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.60	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	31.79	
			<i>For Clear Anodized Finish, Add</i>	26.49	
			<i>For Color Anodized Finish, Add</i>	37.09	
08 51 13 00-0016	SF		>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	20.00	1.40
			<i>For Installation In Concrete Or Masonry, Add</i>	0.91	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.35	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.06	
			<i>For Clear Anodized Finish, Add</i>	0.88	
			<i>For Color Anodized Finish, Add</i>	1.24	
08 51 13 00-0017			3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) <small>(08 51 13 00-0002)</small>		
08 51 13 00-0018	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	412.47	37.34
			<i>For Installation In Concrete Or Masonry, Add</i>	21.20	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.00	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	21.01	
			<i>For Clear Anodized Finish, Add</i>	17.51	
			<i>For Color Anodized Finish, Add</i>	24.52	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	466.39	39.67	
		For Installation In Concrete Or Masonry, Add	23.23		
		For 50% Fluoropolymer Finish (Acrynar), Add	8.01		
		For 70% Fluoropolymer Finish (Duramar), Add	24.02		
		For Clear Anodized Finish, Add	20.01		
		For Color Anodized Finish, Add	28.02		
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	510.06	42.00	
		For Installation In Concrete Or Masonry, Add	25.01		
		For 50% Fluoropolymer Finish (Acrynar), Add	8.80		
		For 70% Fluoropolymer Finish (Duramar), Add	26.40		
		For Clear Anodized Finish, Add	22.00		
		For Color Anodized Finish, Add	30.80		
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	552.43	44.35	
		For Installation In Concrete Or Masonry, Add	26.74		
		For 50% Fluoropolymer Finish (Acrynar), Add	9.57		
		For 70% Fluoropolymer Finish (Duramar), Add	28.71		
		For Clear Anodized Finish, Add	23.93		
		For Color Anodized Finish, Add	33.50		
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	662.81	46.68	
		For Installation In Concrete Or Masonry, Add	30.18		
		For 50% Fluoropolymer Finish (Acrynar), Add	11.70		
		For 70% Fluoropolymer Finish (Duramar), Add	35.10		
		For Clear Anodized Finish, Add	29.25		
		For Color Anodized Finish, Add	40.95		
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	21.83	1.40	
		For Installation In Concrete Or Masonry, Add	0.95		
		For 50% Fluoropolymer Finish (Acrynar), Add	0.39		
		For 70% Fluoropolymer Finish (Duramar), Add	1.17		
		For Clear Anodized Finish, Add	0.98		
		For Color Anodized Finish, Add	1.37		
08 51 13 00-0024		4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)			
		(08 51 13 00-0002)			
08 51 13 00-0025	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	456.09	37.34	
		For Installation In Concrete Or Masonry, Add	22.29		
		For 50% Fluoropolymer Finish (Acrynar), Add	7.88		
		For 70% Fluoropolymer Finish (Duramar), Add	23.63		
		For Clear Anodized Finish, Add	19.69		
		For Color Anodized Finish, Add	27.57		
08 51 13 00-0026	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	526.69	39.67	
		For Installation In Concrete Or Masonry, Add	24.74		
		For 50% Fluoropolymer Finish (Acrynar), Add	9.21		
		For 70% Fluoropolymer Finish (Duramar), Add	27.63		
		For Clear Anodized Finish, Add	23.03		
		For Color Anodized Finish, Add	32.24		
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	571.65	42.00	
		For Installation In Concrete Or Masonry, Add	26.54		
		For 50% Fluoropolymer Finish (Acrynar), Add	10.03		
		For 70% Fluoropolymer Finish (Duramar), Add	30.10		
		For Clear Anodized Finish, Add	25.08		
		For Color Anodized Finish, Add	35.11		
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	614.01	44.35	
		For Installation In Concrete Or Masonry, Add	28.28		
		For 50% Fluoropolymer Finish (Acrynar), Add	10.80		
		For 70% Fluoropolymer Finish (Duramar), Add	32.41		
		For Clear Anodized Finish, Add	27.01		
		For Color Anodized Finish, Add	37.81		
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	715.41	46.68	
		For Installation In Concrete Or Masonry, Add	31.50		
		For 50% Fluoropolymer Finish (Acrynar), Add	12.75		
		For 70% Fluoropolymer Finish (Duramar), Add	38.26		
		For Clear Anodized Finish, Add	31.88		
		For Color Anodized Finish, Add	44.63		
08 51 13 00-0030	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	23.59	1.40	
		For Installation In Concrete Or Masonry, Add	1.00		
		For 50% Fluoropolymer Finish (Acrynar), Add	0.43		
		For 70% Fluoropolymer Finish (Duramar), Add	1.28		
		For Clear Anodized Finish, Add	1.06		
		For Color Anodized Finish, Add	1.49		
08 51 13 00-0031		Double Hung Aluminum Windows			
		(08 51 13 00-0001)			
08 51 13 00-0032		3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)			
		(08 51 13 00-0031)			
08 51 13 00-0033	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	288.03	37.34	
		For Installation In Concrete Or Masonry, Add	18.09		
		For 50% Fluoropolymer Finish (Acrynar), Add	4.52		
		For 70% Fluoropolymer Finish (Duramar), Add	13.55		
		For Clear Anodized Finish, Add	11.29		
		For Color Anodized Finish, Add	15.81		
08 51 13 00-0034	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	320.14	39.67	
		For Installation In Concrete Or Masonry, Add	19.57		
		For 50% Fluoropolymer Finish (Acrynar), Add	5.08		
		For 70% Fluoropolymer Finish (Duramar), Add	15.24		
		For Clear Anodized Finish, Add	12.70		
		For Color Anodized Finish, Add	17.78		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0035	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	347.13	42.00	
		<i>For Installation In Concrete Or Masonry, Add</i>	20.93		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.54		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	16.63		
		<i>For Clear Anodized Finish, Add</i>	13.86		
		<i>For Color Anodized Finish, Add</i>	19.40		
08 51 13 00-0036	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	375.39	44.35	
		<i>For Installation In Concrete Or Masonry, Add</i>	22.32		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.03		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	18.09		
		<i>For Clear Anodized Finish, Add</i>	15.07		
		<i>For Color Anodized Finish, Add</i>	21.10		
08 51 13 00-0037	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	442.14	46.68	
		<i>For Installation In Concrete Or Masonry, Add</i>	24.67		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.29		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	21.86		
		<i>For Clear Anodized Finish, Add</i>	18.22		
		<i>For Color Anodized Finish, Add</i>	25.50		
08 51 13 00-0038	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	14.48	1.40	
		<i>For Installation In Concrete Or Masonry, Add</i>	0.77		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.24		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.73		
		<i>For Clear Anodized Finish, Add</i>	0.61		
		<i>For Color Anodized Finish, Add</i>	0.85		
08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) (08 51 13 00-0031)					
08 51 13 00-0040	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	361.15	37.34	
		<i>For Installation In Concrete Or Masonry, Add</i>	19.92		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.98		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	17.94		
		<i>For Clear Anodized Finish, Add</i>	14.95		
		<i>For Color Anodized Finish, Add</i>	20.92		
08 51 13 00-0041	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	421.49	39.67	
		<i>For Installation In Concrete Or Masonry, Add</i>	22.11		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.11		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	21.32		
		<i>For Clear Anodized Finish, Add</i>	17.77		
		<i>For Color Anodized Finish, Add</i>	24.88		
08 51 13 00-0042	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	470.29	42.00	
		<i>For Installation In Concrete Or Masonry, Add</i>	24.01		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.01		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	24.02		
		<i>For Clear Anodized Finish, Add</i>	20.01		
		<i>For Color Anodized Finish, Add</i>	28.02		
08 51 13 00-0043	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	525.49	44.35	
		<i>For Installation In Concrete Or Masonry, Add</i>	26.07		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.03		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	27.10		
		<i>For Clear Anodized Finish, Add</i>	22.58		
		<i>For Color Anodized Finish, Add</i>	31.61		
08 51 13 00-0044	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	628.17	46.68	
		<i>For Installation In Concrete Or Masonry, Add</i>	29.32		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.01		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	33.02		
		<i>For Clear Anodized Finish, Add</i>	27.52		
		<i>For Color Anodized Finish, Add</i>	38.53		
08 51 13 00-0045	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	20.68	1.40	
		<i>For Installation In Concrete Or Masonry, Add</i>	0.92		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.37		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.10		
		<i>For Clear Anodized Finish, Add</i>	0.92		
		<i>For Color Anodized Finish, Add</i>	1.28		
08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) (08 51 13 00-0031)					
08 51 13 00-0047	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	462.50	37.34	
		<i>For Installation In Concrete Or Masonry, Add</i>	22.45		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.01		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	24.02		
		<i>For Clear Anodized Finish, Add</i>	20.01		
		<i>For Color Anodized Finish, Add</i>	28.02		
08 51 13 00-0048	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	533.11	39.67	
		<i>For Installation In Concrete Or Masonry, Add</i>	24.90		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.34		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	28.02		
		<i>For Clear Anodized Finish, Add</i>	23.35		
		<i>For Color Anodized Finish, Add</i>	32.69		
08 51 13 00-0049	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	592.17	42.00	
		<i>For Installation In Concrete Or Masonry, Add</i>	27.06		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.44		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	31.33		
		<i>For Clear Anodized Finish, Add</i>	26.11		
		<i>For Color Anodized Finish, Add</i>	36.55		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0050	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	649.94	44.35
			<i>For Installation In Concrete Or Masonry, Add</i>	29.18	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.52	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	34.56	
			<i>For Clear Anodized Finish, Add</i>	28.80	
			<i>For Color Anodized Finish, Add</i>	40.32	
08 51	13 00-0051	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	791.10	46.68
			<i>For Installation In Concrete Or Masonry, Add</i>	33.39	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.27	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	42.80	
			<i>For Clear Anodized Finish, Add</i>	35.67	
			<i>For Color Anodized Finish, Add</i>	49.93	
08 51	13 00-0052	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	26.10	1.40
			<i>For Installation In Concrete Or Masonry, Add</i>	1.06	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.48	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	1.43	
			<i>For Clear Anodized Finish, Add</i>	1.19	
			<i>For Color Anodized Finish, Add</i>	1.66	
08 51	13 00-0053		4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) <small>(08 51 13 00-0031)</small>		
08 51	13 00-0054	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	737.09	39.67
			<i>For Installation In Concrete Or Masonry, Add</i>	30.00	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.42	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	40.26	
			<i>For Clear Anodized Finish, Add</i>	33.55	
			<i>For Color Anodized Finish, Add</i>	46.97	
08 51	13 00-0055	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	808.99	42.00
			<i>For Installation In Concrete Or Masonry, Add</i>	32.48	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.78	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	44.34	
			<i>For Clear Anodized Finish, Add</i>	36.95	
			<i>For Color Anodized Finish, Add</i>	51.73	
08 51	13 00-0056	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	893.69	44.35
			<i>For Installation In Concrete Or Masonry, Add</i>	35.27	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.40	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	49.19	
			<i>For Clear Anodized Finish, Add</i>	40.99	
			<i>For Color Anodized Finish, Add</i>	57.39	
08 51	13 00-0057	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,037.42	46.68
			<i>For Installation In Concrete Or Masonry, Add</i>	39.55	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	19.19	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	57.58	
			<i>For Clear Anodized Finish, Add</i>	47.98	
			<i>For Color Anodized Finish, Add</i>	67.17	
08 51	13 00-0058	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	34.27	1.40
			<i>For Installation In Concrete Or Masonry, Add</i>	1.26	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.64	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	1.92	
			<i>For Clear Anodized Finish, Add</i>	1.60	
			<i>For Color Anodized Finish, Add</i>	2.24	
08 51	13 00-0059		5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) <small>(08 51 13 00-0031)</small>		
08 51	13 00-0060	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,027.03	39.67
			<i>For Installation In Concrete Or Masonry, Add</i>	37.25	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	19.22	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	57.65	
			<i>For Clear Anodized Finish, Add</i>	48.05	
			<i>For Color Anodized Finish, Add</i>	67.26	
08 51	13 00-0061	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,107.91	42.00
			<i>For Installation In Concrete Or Masonry, Add</i>	39.95	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	20.76	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	62.27	
			<i>For Clear Anodized Finish, Add</i>	51.89	
			<i>For Color Anodized Finish, Add</i>	72.65	
08 51	13 00-0062	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,200.31	44.35
			<i>For Installation In Concrete Or Masonry, Add</i>	42.94	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	22.53	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	67.58	
			<i>For Clear Anodized Finish, Add</i>	56.32	
			<i>For Color Anodized Finish, Add</i>	78.85	
08 51	13 00-0063	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,362.00	46.68
			<i>For Installation In Concrete Or Masonry, Add</i>	47.66	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	25.68	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	77.05	
			<i>For Clear Anodized Finish, Add</i>	64.21	
			<i>For Color Anodized Finish, Add</i>	89.89	
08 51	13 00-0064	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	45.18	1.40
			<i>For Installation In Concrete Or Masonry, Add</i>	1.54	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.86	
			<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	2.57	
			<i>For Clear Anodized Finish, Add</i>	2.14	
			<i>For Color Anodized Finish, Add</i>	3.00	
08 51	13 00-0065		Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0001)</small>		

08 Openings

08 50 Windows

08 51 Metal Windows

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 51 13 00-0066	One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0067	2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) (08 51 13 00-0066)		
08 51 13 00-0068	EA Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	259.80	37.34
	For Installation In Concrete Or Masonry, Add	17.39	
	For 50% Fluoropolymer Finish (Acrynar), Add	3.95	
	For 70% Fluoropolymer Finish (Durandar), Add	11.85	
	For Clear Anodized Finish, Add	9.88	
	For Color Anodized Finish, Add	13.83	
08 51 13 00-0069	EA >6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	294.48	39.67
	For Installation In Concrete Or Masonry, Add	18.93	
	For 50% Fluoropolymer Finish (Acrynar), Add	4.57	
	For 70% Fluoropolymer Finish (Durandar), Add	13.70	
	For Clear Anodized Finish, Add	11.42	
	For Color Anodized Finish, Add	15.99	
08 51 13 00-0070	EA >10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	320.19	42.00
	For Installation In Concrete Or Masonry, Add	20.26	
	For 50% Fluoropolymer Finish (Acrynar), Add	5.00	
	For 70% Fluoropolymer Finish (Durandar), Add	15.01	
	For Clear Anodized Finish, Add	12.51	
	For Color Anodized Finish, Add	17.51	
08 51 13 00-0071	EA >15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	347.16	44.35
	For Installation In Concrete Or Masonry, Add	21.61	
	For 50% Fluoropolymer Finish (Acrynar), Add	5.47	
	For 70% Fluoropolymer Finish (Durandar), Add	16.40	
	For Clear Anodized Finish, Add	13.66	
	For Color Anodized Finish, Add	19.13	
08 51 13 00-0072	EA >20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	403.65	46.68
	For Installation In Concrete Or Masonry, Add	23.70	
	For 50% Fluoropolymer Finish (Acrynar), Add	6.52	
	For 70% Fluoropolymer Finish (Durandar), Add	19.55	
	For Clear Anodized Finish, Add	16.29	
	For Color Anodized Finish, Add	22.81	
08 51 13 00-0073	SF >30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	13.20	1.40
	For Installation In Concrete Or Masonry, Add	0.74	
	For 50% Fluoropolymer Finish (Acrynar), Add	0.22	
	For 70% Fluoropolymer Finish (Durandar), Add	0.65	
	For Clear Anodized Finish, Add	0.54	
	For Color Anodized Finish, Add	0.76	
08 51 13 00-0074	3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) (08 51 13 00-0066)		
08 51 13 00-0075	EA Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	422.73	37.34
	For Installation In Concrete Or Masonry, Add	21.46	
	For 50% Fluoropolymer Finish (Acrynar), Add	7.21	
	For 70% Fluoropolymer Finish (Durandar), Add	21.63	
	For Clear Anodized Finish, Add	18.03	
	For Color Anodized Finish, Add	25.24	
08 51 13 00-0076	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	477.94	39.67
	For Installation In Concrete Or Masonry, Add	23.52	
	For 50% Fluoropolymer Finish (Acrynar), Add	8.24	
	For 70% Fluoropolymer Finish (Durandar), Add	24.71	
	For Clear Anodized Finish, Add	20.59	
	For Color Anodized Finish, Add	28.83	
08 51 13 00-0077	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	521.61	42.00
	For Installation In Concrete Or Masonry, Add	25.29	
	For 50% Fluoropolymer Finish (Acrynar), Add	9.03	
	For 70% Fluoropolymer Finish (Durandar), Add	27.10	
	For Clear Anodized Finish, Add	22.58	
	For Color Anodized Finish, Add	31.61	
08 51 13 00-0078	EA >15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	563.98	44.35
	For Installation In Concrete Or Masonry, Add	27.03	
	For 50% Fluoropolymer Finish (Acrynar), Add	9.80	
	For 70% Fluoropolymer Finish (Durandar), Add	29.40	
	For Clear Anodized Finish, Add	24.50	
	For Color Anodized Finish, Add	34.31	
08 51 13 00-0079	EA >20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	657.67	46.68
	For Installation In Concrete Or Masonry, Add	30.06	
	For 50% Fluoropolymer Finish (Acrynar), Add	11.60	
	For 70% Fluoropolymer Finish (Durandar), Add	34.79	
	For Clear Anodized Finish, Add	28.99	
	For Color Anodized Finish, Add	40.59	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	21.66	1.40	
		<i>For Installation In Concrete Or Masonry, Add</i>	0.95		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.39		
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	1.16		
		<i>For Clear Anodized Finish, Add</i>	0.97		
		<i>For Color Anodized Finish, Add</i>	1.35		
08 51 13 00-0081		Two Rolling Sashes, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)			
08 51 13 00-0082		3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) (08 51 13 00-0081)			
08 51 13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	293.16	37.34	
		<i>For Installation In Concrete Or Masonry, Add</i>	18.22		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.62		
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	13.86		
		<i>For Clear Anodized Finish, Add</i>	11.55		
		<i>For Color Anodized Finish, Add</i>	16.17		
08 51 13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	338.10	39.67	
		<i>For Installation In Concrete Or Masonry, Add</i>	20.02		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.44		
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	16.32		
		<i>For Clear Anodized Finish, Add</i>	13.60		
		<i>For Color Anodized Finish, Add</i>	19.04		
08 51 13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	367.66	42.00	
		<i>For Installation In Concrete Or Masonry, Add</i>	21.45		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.95		
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	17.86		
		<i>For Clear Anodized Finish, Add</i>	14.88		
		<i>For Color Anodized Finish, Add</i>	20.83		
08 51 13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	392.07	44.35	
		<i>For Installation In Concrete Or Masonry, Add</i>	22.73		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.36		
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	19.09		
		<i>For Clear Anodized Finish, Add</i>	15.91		
		<i>For Color Anodized Finish, Add</i>	22.27		
08 51 13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	456.25	46.68	
		<i>For Installation In Concrete Or Masonry, Add</i>	25.02		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.57		
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	22.71		
		<i>For Clear Anodized Finish, Add</i>	18.92		
		<i>For Color Anodized Finish, Add</i>	26.49		
08 51 13 00-0088	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	14.94	1.40	
		<i>For Installation In Concrete Or Masonry, Add</i>	0.78		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.25		
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	0.76		
		<i>For Clear Anodized Finish, Add</i>	0.63		
		<i>For Color Anodized Finish, Add</i>	0.88		
08 51 13 00-0089		Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)			
08 51 13 00-0090		4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) (08 51 13 00-0089)			
08 51 13 00-0091	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	779.39	37.34	
		<i>For Installation In Concrete Or Masonry, Add</i>	30.38		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.34		
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	43.03		
		<i>For Clear Anodized Finish, Add</i>	35.86		
		<i>For Color Anodized Finish, Add</i>	50.20		
08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	896.88	43.18	
		<i>For Installation In Concrete Or Masonry, Add</i>	35.02		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.50		
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	49.50		
		<i>For Clear Anodized Finish, Add</i>	41.25		
		<i>For Color Anodized Finish, Add</i>	57.74		
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	970.05	45.51	
		<i>For Installation In Concrete Or Masonry, Add</i>	37.53		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	17.88		
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	53.65		
		<i>For Clear Anodized Finish, Add</i>	44.71		
		<i>For Color Anodized Finish, Add</i>	62.59		
08 51 13 00-0094	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	1,174.78	51.34	
		<i>For Installation In Concrete Or Masonry, Add</i>	44.34		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.78		
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	65.35		
		<i>For Clear Anodized Finish, Add</i>	54.46		
		<i>For Color Anodized Finish, Add</i>	76.24		

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 51 13 00-0095	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,357.08		58.35
		<i>For Installation In Concrete Or Masonry, Add</i>	50.94		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	25.20		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	75.59		
		<i>For Clear Anodized Finish, Add</i>	62.99		
		<i>For Color Anodized Finish, Add</i>	88.19		
08 51 13 00-0096	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	23.32		1.40
		<i>For Installation In Concrete Or Masonry, Add</i>	0.99		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.42		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.26		
		<i>For Clear Anodized Finish, Add</i>	1.05		
		<i>For Color Anodized Finish, Add</i>	1.47		
08 51 13 00-0097		Fixed Aluminum Windows (08 51 13 00-0001)			
08 51 13 00-0098		2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0097)			
08 51 13 00-0099	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	199.50		37.34
		<i>For Installation In Concrete Or Masonry, Add</i>	15.88		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	2.75		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	8.24		
		<i>For Clear Anodized Finish, Add</i>	6.86		
		<i>For Color Anodized Finish, Add</i>	9.61		
08 51 13 00-0100	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	229.05		39.67
		<i>For Installation In Concrete Or Masonry, Add</i>	17.30		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.26		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	9.78		
		<i>For Clear Anodized Finish, Add</i>	8.15		
		<i>For Color Anodized Finish, Add</i>	11.41		
08 51 13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	241.93		42.00
		<i>For Installation In Concrete Or Masonry, Add</i>	18.30		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.44		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	10.31		
		<i>For Clear Anodized Finish, Add</i>	8.60		
		<i>For Color Anodized Finish, Add</i>	12.03		
08 51 13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	254.79		44.35
		<i>For Installation In Concrete Or Masonry, Add</i>	19.30		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.62		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	10.85		
		<i>For Clear Anodized Finish, Add</i>	9.04		
		<i>For Color Anodized Finish, Add</i>	12.66		
08 51 13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	342.07		46.68
		<i>For Installation In Concrete Or Masonry, Add</i>	22.17		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.29		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	15.86		
		<i>For Clear Anodized Finish, Add</i>	13.21		
		<i>For Color Anodized Finish, Add</i>	18.50		
08 51 13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	11.14		1.40
		<i>For Installation In Concrete Or Masonry, Add</i>	0.69		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.18		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	0.53		
		<i>For Clear Anodized Finish, Add</i>	0.44		
		<i>For Color Anodized Finish, Add</i>	0.62		
08 51 13 00-0105		2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) (08 51 13 00-0097)			
08 51 13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	255.95		37.34
		<i>For Installation In Concrete Or Masonry, Add</i>	17.29		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.87		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	11.62		
		<i>For Clear Anodized Finish, Add</i>	9.69		
		<i>For Color Anodized Finish, Add</i>	13.56		
08 51 13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	294.48		39.67
		<i>For Installation In Concrete Or Masonry, Add</i>	18.93		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.57		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	13.70		
		<i>For Clear Anodized Finish, Add</i>	11.42		
		<i>For Color Anodized Finish, Add</i>	15.99		
08 51 13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	317.63		42.00
		<i>For Installation In Concrete Or Masonry, Add</i>	20.19		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.95		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	14.86		
		<i>For Clear Anodized Finish, Add</i>	12.38		
		<i>For Color Anodized Finish, Add</i>	17.33		
08 51 13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	342.03		44.35
		<i>For Installation In Concrete Or Masonry, Add</i>	21.48		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.36		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	16.09		
		<i>For Clear Anodized Finish, Add</i>	13.41		
		<i>For Color Anodized Finish, Add</i>	18.77		
08 51 13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	456.25		46.68
		<i>For Installation In Concrete Or Masonry, Add</i>	25.02		
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.57		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	22.71		
		<i>For Clear Anodized Finish, Add</i>	18.92		
		<i>For Color Anodized Finish, Add</i>	26.49		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	14.94 0.78 0.25 0.76 0.63 0.88	1.40
08 51	13 00-0112		3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900) (08 51 13 00-0097)		
08 51	13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	217.46 16.33 3.10 9.31 7.76 10.87	37.34
08 51	13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	255.99 17.97 3.80 11.39 9.49 13.29	39.67
08 51	13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	276.57 19.17 4.13 12.39 10.33 14.46	42.00
08 51	13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	298.41 20.39 4.49 13.47 11.23 15.72	44.35
08 51	13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	406.22 23.77 6.57 19.71 16.42 22.99	46.68
08 51	13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	13.27 0.74 0.22 0.66 0.55 0.77	1.40
08 51	13 00-0119		4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) (08 51 13 00-0097)		
08 51	13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	216.18 16.29 3.08 9.24 7.70 10.78	37.34
08 51	13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	250.86 17.84 3.69 11.08 9.24 12.93	39.67
08 51	13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	271.44 19.04 4.03 12.09 10.07 14.10	42.00
08 51	13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	293.28 20.26 4.39 13.16 10.97 15.36	44.35
08 51	13 00-0124	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	401.09 23.64 6.47 19.40 16.17 22.63	46.68
08 51	13 00-0125	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)..... <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	13.11 0.74 0.22 0.65 0.54 0.75	1.40
08 51	13 00-0126		Projected Aluminum Windows (08 51 13 00-0001)		
08 51	13 00-0127		Single Vent, Projected Aluminum Windows (08 51 13 00-0126)		

08 Openings

08 50 Windows

08 51 Metal Windows

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0128			2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0127)		
08 51 13 00-0129	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	295.98	37.34
			<i>For Installation In Concrete Or Masonry, Add</i>	18.29	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.68	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	14.03	
			<i>For Clear Anodized Finish, Add</i>	11.69	
			<i>For Color Anodized Finish, Add</i>	16.36	
08 51 13 00-0130	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	321.29	39.67
			<i>For Installation In Concrete Or Masonry, Add</i>	19.60	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.10	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	15.31	
			<i>For Clear Anodized Finish, Add</i>	12.76	
			<i>For Color Anodized Finish, Add</i>	17.86	
08 51 13 00-0131	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	350.98	42.00
			<i>For Installation In Concrete Or Masonry, Add</i>	21.03	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.62	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	16.86	
			<i>For Clear Anodized Finish, Add</i>	14.05	
			<i>For Color Anodized Finish, Add</i>	19.67	
08 51 13 00-0132	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	21.06	1.40
			<i>For Installation In Concrete Or Masonry, Add</i>	0.93	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.37	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.12	
			<i>For Clear Anodized Finish, Add</i>	0.94	
			<i>For Color Anodized Finish, Add</i>	1.31	
08 51 13 00-0133			2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0127)		
08 51 13 00-0134	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	409.40	37.34
			<i>For Installation In Concrete Or Masonry, Add</i>	21.13	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.94	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	20.83	
			<i>For Clear Anodized Finish, Add</i>	17.36	
			<i>For Color Anodized Finish, Add</i>	24.30	
08 51 13 00-0135	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	453.45	39.67
			<i>For Installation In Concrete Or Masonry, Add</i>	22.91	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.75	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	23.24	
			<i>For Clear Anodized Finish, Add</i>	19.37	
			<i>For Color Anodized Finish, Add</i>	27.11	
08 51 13 00-0136	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	504.93	42.00
			<i>For Installation In Concrete Or Masonry, Add</i>	24.88	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.70	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	26.09	
			<i>For Clear Anodized Finish, Add</i>	21.75	
			<i>For Color Anodized Finish, Add</i>	30.44	
08 51 13 00-0137	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	31.32	1.40
			<i>For Installation In Concrete Or Masonry, Add</i>	1.19	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.58	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.74	
			<i>For Clear Anodized Finish, Add</i>	1.45	
			<i>For Color Anodized Finish, Add</i>	2.03	
08 51 13 00-0138			3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0127)		
08 51 13 00-0139	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	451.95	37.34
			<i>For Installation In Concrete Or Masonry, Add</i>	22.19	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.79	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	23.38	
			<i>For Clear Anodized Finish, Add</i>	19.49	
			<i>For Color Anodized Finish, Add</i>	27.28	
08 51 13 00-0140	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	503.00	39.67
			<i>For Installation In Concrete Or Masonry, Add</i>	24.15	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.74	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	26.21	
			<i>For Clear Anodized Finish, Add</i>	21.84	
			<i>For Color Anodized Finish, Add</i>	30.58	
08 51 13 00-0141	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	562.67	42.00
			<i>For Installation In Concrete Or Masonry, Add</i>	26.32	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.85	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	29.56	
			<i>For Clear Anodized Finish, Add</i>	24.63	
			<i>For Color Anodized Finish, Add</i>	34.49	
08 51 13 00-0142	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	35.17	1.40
			<i>For Installation In Concrete Or Masonry, Add</i>	1.29	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.66	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.97	
			<i>For Clear Anodized Finish, Add</i>	1.64	
			<i>For Color Anodized Finish, Add</i>	2.30	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 51 13 00-0143 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0127)

08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	481.25	
		<i>For Installation In Concrete Or Masonry, Add</i>	22.92	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.38	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	25.14	
		<i>For Clear Anodized Finish, Add</i>	20.95	
		<i>For Color Anodized Finish, Add</i>	29.33	
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	537.13	39.67
		<i>For Installation In Concrete Or Masonry, Add</i>	25.00	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.42	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	28.26	
		<i>For Clear Anodized Finish, Add</i>	23.55	
		<i>For Color Anodized Finish, Add</i>	32.97	
08 51 13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	602.44	42.00
		<i>For Installation In Concrete Or Masonry, Add</i>	27.31	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.65	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	31.95	
		<i>For Clear Anodized Finish, Add</i>	26.62	
		<i>For Color Anodized Finish, Add</i>	37.27	
08 51 13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	37.83	1.40
		<i>For Installation In Concrete Or Masonry, Add</i>	1.35	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.71	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.13	
		<i>For Clear Anodized Finish, Add</i>	1.78	
		<i>For Color Anodized Finish, Add</i>	2.49	

08 51 13 00-0148 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0127)

08 51 13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	477.46	
		<i>For Installation In Concrete Or Masonry, Add</i>	22.83	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.30	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	24.91	
		<i>For Clear Anodized Finish, Add</i>	20.76	
		<i>For Color Anodized Finish, Add</i>	29.07	
08 51 13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	532.73	39.67
		<i>For Installation In Concrete Or Masonry, Add</i>	24.89	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.33	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	28.00	
		<i>For Clear Anodized Finish, Add</i>	23.33	
		<i>For Color Anodized Finish, Add</i>	32.66	
08 51 13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	597.30	42.00
		<i>For Installation In Concrete Or Masonry, Add</i>	27.19	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.55	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	31.64	
		<i>For Clear Anodized Finish, Add</i>	26.36	
		<i>For Color Anodized Finish, Add</i>	36.91	
08 51 13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	37.48	1.40
		<i>For Installation In Concrete Or Masonry, Add</i>	1.34	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.70	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.11	
		<i>For Clear Anodized Finish, Add</i>	1.76	
		<i>For Color Anodized Finish, Add</i>	2.46	

08 51 13 00-0153 Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0126)

08 51 13 00-0154 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0153)

08 51 13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	419.81	
		<i>For Installation In Concrete Or Masonry, Add</i>	21.39	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.15	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	21.45	
		<i>For Clear Anodized Finish, Add</i>	17.88	
		<i>For Color Anodized Finish, Add</i>	25.03	
08 51 13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	465.56	39.67
		<i>For Installation In Concrete Or Masonry, Add</i>	23.21	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.99	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	23.97	
		<i>For Clear Anodized Finish, Add</i>	19.97	
		<i>For Color Anodized Finish, Add</i>	27.96	
08 51 13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	519.05	42.00
		<i>For Installation In Concrete Or Masonry, Add</i>	25.23	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.98	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	26.94	
		<i>For Clear Anodized Finish, Add</i>	22.45	
		<i>For Color Anodized Finish, Add</i>	31.43	

08 Openings

08 50 Windows

08 51 Metal Windows

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 51 13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	32.22	1.40
		<i>For Installation In Concrete Or Masonry, Add</i>	1.21	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.60	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.79	
		<i>For Clear Anodized Finish, Add</i>	1.49	
		<i>For Color Anodized Finish, Add</i>	2.09	
08 51 13 00-0159		2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0153)		
08 51 13 00-0160	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	599.41	37.34
		<i>For Installation In Concrete Or Masonry, Add</i>	25.88	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.74	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	32.23	
		<i>For Clear Anodized Finish, Add</i>	26.86	
		<i>For Color Anodized Finish, Add</i>	37.60	
08 51 13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	674.79	39.67
		<i>For Installation In Concrete Or Masonry, Add</i>	28.44	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.17	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	36.52	
		<i>For Clear Anodized Finish, Add</i>	30.43	
		<i>For Color Anodized Finish, Add</i>	42.61	
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	762.80	42.00
		<i>For Installation In Concrete Or Masonry, Add</i>	31.32	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.86	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	41.57	
		<i>For Clear Anodized Finish, Add</i>	34.64	
		<i>For Color Anodized Finish, Add</i>	48.49	
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	48.52	1.40
		<i>For Installation In Concrete Or Masonry, Add</i>	1.62	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.92	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.77	
		<i>For Clear Anodized Finish, Add</i>	2.31	
		<i>For Color Anodized Finish, Add</i>	3.23	
08 51 13 00-0164		3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0153)		
08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	637.21	37.34
		<i>For Installation In Concrete Or Masonry, Add</i>	26.82	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.50	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	34.50	
		<i>For Clear Anodized Finish, Add</i>	28.75	
		<i>For Color Anodized Finish, Add</i>	40.25	
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	718.84	39.67
		<i>For Installation In Concrete Or Masonry, Add</i>	29.54	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.05	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	39.16	
		<i>For Clear Anodized Finish, Add</i>	32.64	
		<i>For Color Anodized Finish, Add</i>	45.69	
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	814.12	42.00
		<i>For Installation In Concrete Or Masonry, Add</i>	32.61	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.88	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	44.65	
		<i>For Clear Anodized Finish, Add</i>	37.21	
		<i>For Color Anodized Finish, Add</i>	52.09	
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	51.85	1.40
		<i>For Installation In Concrete Or Masonry, Add</i>	1.70	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.99	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.97	
		<i>For Clear Anodized Finish, Add</i>	2.48	
		<i>For Color Anodized Finish, Add</i>	3.47	
08 51 13 00-0169		3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0153)		
08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	633.44	37.34
		<i>For Installation In Concrete Or Masonry, Add</i>	26.73	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.42	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	34.27	
		<i>For Clear Anodized Finish, Add</i>	28.56	
		<i>For Color Anodized Finish, Add</i>	39.98	
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	714.44	39.67
		<i>For Installation In Concrete Or Masonry, Add</i>	29.43	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.97	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	38.90	
		<i>For Clear Anodized Finish, Add</i>	32.42	
		<i>For Color Anodized Finish, Add</i>	45.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0172	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	808.99	42.00
			For Installation In Concrete Or Masonry, Add	32.48	
			For 50% Fluoropolymer Finish (Acrynar), Add	14.78	
			For 70% Fluoropolymer Finish (Duramar), Add	44.34	
			For Clear Anodized Finish, Add	36.95	
			For Color Anodized Finish, Add	51.73	
08 51 13 00-0173	SF		>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	51.59	1.40
			For Installation In Concrete Or Masonry, Add	1.70	
			For 50% Fluoropolymer Finish (Acrynar), Add	0.99	
			For 70% Fluoropolymer Finish (Duramar), Add	2.96	
			For Clear Anodized Finish, Add	2.46	
			For Color Anodized Finish, Add	3.45	
08 51 13 00-0174			4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0153)		
08 51 13 00-0175	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	692.05	37.34
			For Installation In Concrete Or Masonry, Add	28.19	
			For 50% Fluoropolymer Finish (Acrynar), Add	12.60	
			For 70% Fluoropolymer Finish (Duramar), Add	37.79	
			For Clear Anodized Finish, Add	31.49	
			For Color Anodized Finish, Add	44.09	
08 51 13 00-0176	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	782.71	39.67
			For Installation In Concrete Or Masonry, Add	31.14	
			For 50% Fluoropolymer Finish (Acrynar), Add	14.33	
			For 70% Fluoropolymer Finish (Duramar), Add	43.00	
			For Clear Anodized Finish, Add	35.83	
			For Color Anodized Finish, Add	50.16	
08 51 13 00-0177	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	888.53	42.00
			For Installation In Concrete Or Masonry, Add	34.47	
			For 50% Fluoropolymer Finish (Acrynar), Add	16.37	
			For 70% Fluoropolymer Finish (Duramar), Add	49.11	
			For Clear Anodized Finish, Add	40.93	
			For Color Anodized Finish, Add	57.30	
08 51 13 00-0178	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	56.85	1.40
			For Installation In Concrete Or Masonry, Add	1.83	
			For 50% Fluoropolymer Finish (Acrynar), Add	1.09	
			For 70% Fluoropolymer Finish (Duramar), Add	3.27	
			For Clear Anodized Finish, Add	2.73	
			For Color Anodized Finish, Add	3.82	
08 51 13 00-0179			Casement Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0180			Single Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0181			2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0180)		
08 51 13 00-0182	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	342.29	37.34
			For Installation In Concrete Or Masonry, Add	19.45	
			For 50% Fluoropolymer Finish (Acrynar), Add	5.60	
			For 70% Fluoropolymer Finish (Duramar), Add	16.80	
			For Clear Anodized Finish, Add	14.00	
			For Color Anodized Finish, Add	19.60	
08 51 13 00-0183	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	375.25	39.67
			For Installation In Concrete Or Masonry, Add	20.95	
			For 50% Fluoropolymer Finish (Acrynar), Add	6.18	
			For 70% Fluoropolymer Finish (Duramar), Add	18.55	
			For Clear Anodized Finish, Add	15.46	
			For Color Anodized Finish, Add	21.64	
08 51 13 00-0184	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	413.85	42.00
			For Installation In Concrete Or Masonry, Add	22.60	
			For 50% Fluoropolymer Finish (Acrynar), Add	6.88	
			For 70% Fluoropolymer Finish (Duramar), Add	20.63	
			For Clear Anodized Finish, Add	17.19	
			For Color Anodized Finish, Add	24.07	
08 51 13 00-0185	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	25.26	1.40
			For Installation In Concrete Or Masonry, Add	1.04	
			For 50% Fluoropolymer Finish (Acrynar), Add	0.46	
			For 70% Fluoropolymer Finish (Duramar), Add	1.38	
			For Clear Anodized Finish, Add	1.15	
			For Color Anodized Finish, Add	1.61	
08 51 13 00-0186			2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0180)		
08 51 13 00-0187	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	514.33	37.34
			For Installation In Concrete Or Masonry, Add	23.75	
			For 50% Fluoropolymer Finish (Acrynar), Add	9.04	
			For 70% Fluoropolymer Finish (Duramar), Add	27.13	
			For Clear Anodized Finish, Add	22.61	
			For Color Anodized Finish, Add	31.65	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0188	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	575.67	39.67
			<i>For Installation In Concrete Or Masonry, Add</i>	25.96	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.19	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	30.57	
			<i>For Clear Anodized Finish, Add</i>	25.48	
			<i>For Color Anodized Finish, Add</i>	35.67	
08 51 13 00-0189	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	647.34	42.00
			<i>For Installation In Concrete Or Masonry, Add</i>	28.44	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.55	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	34.64	
			<i>For Clear Anodized Finish, Add</i>	28.87	
			<i>For Color Anodized Finish, Add</i>	40.41	
08 51 13 00-0190	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	40.82	1.40
			<i>For Installation In Concrete Or Masonry, Add</i>	1.43	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.77	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.31	
			<i>For Clear Anodized Finish, Add</i>	1.92	
			<i>For Color Anodized Finish, Add</i>	2.69	
08 51 13 00-0191			3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0180)		
08 51 13 00-0192	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	517.17	37.34
			<i>For Installation In Concrete Or Masonry, Add</i>	23.82	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.10	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	27.30	
			<i>For Clear Anodized Finish, Add</i>	22.75	
			<i>For Color Anodized Finish, Add</i>	31.85	
08 51 13 00-0193	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	578.98	39.67
			<i>For Installation In Concrete Or Masonry, Add</i>	26.05	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.26	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	30.77	
			<i>For Clear Anodized Finish, Add</i>	25.64	
			<i>For Color Anodized Finish, Add</i>	35.90	
08 51 13 00-0194	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	651.19	42.00
			<i>For Installation In Concrete Or Masonry, Add</i>	28.53	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.62	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	34.87	
			<i>For Clear Anodized Finish, Add</i>	29.06	
			<i>For Color Anodized Finish, Add</i>	40.68	
08 51 13 00-0195	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	41.07	1.40
			<i>For Installation In Concrete Or Masonry, Add</i>	1.43	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.77	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.32	
			<i>For Clear Anodized Finish, Add</i>	1.94	
			<i>For Color Anodized Finish, Add</i>	2.71	
08 51 13 00-0196			4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0180)		
08 51 13 00-0197	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	546.47	37.34
			<i>For Installation In Concrete Or Masonry, Add</i>	24.55	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.68	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	29.05	
			<i>For Clear Anodized Finish, Add</i>	24.21	
			<i>For Color Anodized Finish, Add</i>	33.90	
08 51 13 00-0198	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	613.12	39.67
			<i>For Installation In Concrete Or Masonry, Add</i>	26.90	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.94	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	32.82	
			<i>For Clear Anodized Finish, Add</i>	27.35	
			<i>For Color Anodized Finish, Add</i>	38.29	
08 51 13 00-0199	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	690.96	42.00
			<i>For Installation In Concrete Or Masonry, Add</i>	29.53	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.42	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	37.26	
			<i>For Clear Anodized Finish, Add</i>	31.05	
			<i>For Color Anodized Finish, Add</i>	43.47	
08 51 13 00-0200	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	43.73	1.40
			<i>For Installation In Concrete Or Masonry, Add</i>	1.50	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.83	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.48	
			<i>For Clear Anodized Finish, Add</i>	2.07	
			<i>For Color Anodized Finish, Add</i>	2.90	
08 51 13 00-0201			Fixed Over Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0202			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0201)		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0203	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	394.29 20.75 6.64 19.92 16.60 23.24	37.34
08 51 13 00-0204	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	435.82 22.47 7.39 22.18 18.49 25.88	39.67
08 51 13 00-0205	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	484.41 24.36 8.29 24.86 20.72 29.01	42.00
08 51 13 00-0206	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	29.95 1.16 0.55 1.66 1.38 1.93	1.40
08 51 13 00-0207 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) <small>(08 51 13 00-0201)</small>					
08 51 13 00-0208	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	566.32 25.05 10.08 30.25 25.20 35.29	37.34
08 51 13 00-0209	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	636.24 27.48 11.40 34.21 28.51 39.91	39.67
08 51 13 00-0210	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	717.90 30.20 12.96 38.87 32.39 45.35	42.00
08 51 13 00-0211	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	45.53 1.55 0.86 2.59 2.16 3.02	1.40
08 51 13 00-0212 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) <small>(08 51 13 00-0201)</small>					
08 51 13 00-0213	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	629.66 26.63 11.35 34.05 28.37 39.72	37.34
08 51 13 00-0214	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	710.04 29.32 12.88 38.64 32.20 45.07	39.67
08 51 13 00-0215	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	803.86 32.35 14.68 44.03 36.69 51.37	42.00

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0216	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	51.25	1.40
			For Installation In Concrete Or Masonry, Add	1.69	
			For 50% Fluoropolymer Finish (Acrynar), Add	0.98	
			For 70% Fluoropolymer Finish (Duranar), Add	2.94	
			For Clear Anodized Finish, Add	2.45	
			For Color Anodized Finish, Add	3.42	
08 51 13 00-0217			4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0201)		
08 51 13 00-0218	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	687.31	37.34
			For Installation In Concrete Or Masonry, Add	28.07	
			For 50% Fluoropolymer Finish (Acrynar), Add	12.50	
			For 70% Fluoropolymer Finish (Duranar), Add	37.50	
			For Clear Anodized Finish, Add	31.25	
			For Color Anodized Finish, Add	43.76	
08 51 13 00-0219	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	777.21	39.67
			For Installation In Concrete Or Masonry, Add	31.00	
			For 50% Fluoropolymer Finish (Acrynar), Add	14.22	
			For 70% Fluoropolymer Finish (Duranar), Add	42.67	
			For Clear Anodized Finish, Add	35.55	
			For Color Anodized Finish, Add	49.78	
08 51 13 00-0220	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	882.11	42.00
			For Installation In Concrete Or Masonry, Add	34.31	
			For 50% Fluoropolymer Finish (Acrynar), Add	16.24	
			For 70% Fluoropolymer Finish (Duranar), Add	48.73	
			For Clear Anodized Finish, Add	40.60	
			For Color Anodized Finish, Add	56.85	
08 51 13 00-0221	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	56.47	1.40
			For Installation In Concrete Or Masonry, Add	1.82	
			For 50% Fluoropolymer Finish (Acrynar), Add	1.08	
			For 70% Fluoropolymer Finish (Duranar), Add	3.25	
			For Clear Anodized Finish, Add	2.71	
			For Color Anodized Finish, Add	3.79	
08 51 13 00-0222			Aluminum Window Accessories (08 51 13)		
08 51 13 00-0223			Aluminum Window Mullions (08 51 13 00-0222)		
08 51 13 00-0224	LF		Integral Mullions For Aluminum Windows	11.40	1.75
			For 50% Fluoropolymer Finish (Acrynar), Add	0.16	
			For 70% Fluoropolymer Finish (Duranar), Add	0.49	
			For Clear Anodized Finish, Add	0.41	
			For Color Anodized Finish, Add	0.57	
08 51 13 00-0225			Aluminum Window Insect Screens (08 51 13 00-0222)		
			Note: Includes aluminum frames.		
08 51 13 00-0226	SF		<10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	4.15	0.59
08 51 13 00-0227	SF		>10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	2.82	0.47
08 51 13 00-0228	SF		Repair Screen Window	2.49	
08 51 13 00-0229			Aluminum Window Panning (08 51 13 00-0222)		
			Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.		
08 51 13 00-0230	EA		Up To 6 SF Window, Aluminum Window Panning	121.35	14.73
			For 50% Fluoropolymer Finish (Acrynar), Add	1.94	
			For 70% Fluoropolymer Finish (Duranar), Add	5.81	
			For Clear Anodized Finish, Add	4.84	
			For Color Anodized Finish, Add	6.78	
08 51 13 00-0231	EA		>6 To 10 SF Window, Aluminum Window Panning	165.71	24.55
			For 50% Fluoropolymer Finish (Acrynar), Add	2.50	
			For 70% Fluoropolymer Finish (Duranar), Add	7.49	
			For Clear Anodized Finish, Add	6.24	
			For Color Anodized Finish, Add	8.74	
08 51 13 00-0232	EA		>10 To 15 SF Window, Aluminum Window Panning	197.85	36.83
			For 50% Fluoropolymer Finish (Acrynar), Add	2.73	
			For 70% Fluoropolymer Finish (Duranar), Add	8.19	
			For Clear Anodized Finish, Add	6.82	
			For Color Anodized Finish, Add	9.55	
08 51 13 00-0233	EA		>15 To 20 SF Window, Aluminum Window Panning	232.30	49.11
			For 50% Fluoropolymer Finish (Acrynar), Add	3.01	
			For 70% Fluoropolymer Finish (Duranar), Add	9.03	
			For Clear Anodized Finish, Add	7.52	
			For Color Anodized Finish, Add	10.53	
08 51 13 00-0234	EA		>20 To 30 SF Window, Aluminum Window Panning	300.05	73.66
			For 50% Fluoropolymer Finish (Acrynar), Add	3.55	
			For 70% Fluoropolymer Finish (Duranar), Add	10.64	
			For Clear Anodized Finish, Add	8.86	
			For Color Anodized Finish, Add	12.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0235	SF		>30 SF Window, Aluminum Window Panning..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	10.66 0.11 0.33 0.28 0.39	3.07
08 51 13 00-0236			Aluminum Window Muntins, Grilles Or Dividers (08 51 13 00-0222)		
08 51 13 00-0237	SF		Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2.85 0.01 0.03 0.03 0.04	1.75
08 51 13 00-0238	SF		Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	4.37 0.04 0.12 0.10 0.14	1.75
08 51 13 00-0239	SF		Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	8.75 0.06 0.18 0.15 0.20	1.75
08 51 13 00-0240	SF		True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	10.69 0.08 0.24 0.20 0.29	1.75
08 51 13 00-0241			Other Aluminum Window Accessories (08 51 13 00-0222)		
08 51 13 00-0242	EA		Roto Operator For Casement Aluminum Windows.....	99.91	7.77
08 51 13 00-0243	EA		Head And Sill Automatic Locks For Hung Aluminum Windows.....	48.59	7.77
08 51 19			Stainless-Steel Windows (08 51) See CSI section 08 80 00 00-0000 for glazing.		
08 51 19 00-0001			Stainless Steel Windows Types (08 51 19)		
08 51 19 00-0002	SF		Stainless Steel Window Casements, 100% Vented Operable, Factory Primed <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	65.36 28.25 6.15 2.31	2.33
08 51 19 00-0003	SF		Stainless Steel Window Casements, 50% Vented Operable, Factory Primed <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	57.40 24.66 5.35 2.12	2.33
08 51 19 00-0004	SF		Stainless Steel Window Casements, Fixed Sash, Factory Primed <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	40.12 16.89 3.62 1.68	2.33
08 51 19 00-0005	SF		Stainless Steel Window, Fixed Sash <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	45.13 19.14 4.12 1.81	2.33
08 51 19 00-0006	SF		Stainless Steel Window With Horizontal Pivot Sash <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	80.84 35.21 7.70 2.70	2.33
08 51 19 00-0007	SF		Commercial Projected Sash Window - 40% Vented Stainless Steel <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	84.90 37.04 8.10 2.80	2.33
08 51 19 00-0008	SF		Intermediate Projected Sash Window - 40% Vented Stainless Steel..... <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	94.50 41.36 9.06 3.04	2.33
08 51 19 00-0009	SF		Double Hung Stainless Steel Window Sash <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	104.07 45.66 10.02 3.28	2.33
08 51 19 00-0010	SF		Single Hung Stainless Steel Window Sash <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	71.45 30.99 6.76 2.47	2.33
08 51 19 00-0011	SF		Stainless Steel Picture Window Sash <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	58.48 25.15 5.46 2.14	2.33
08 51 19 00-0012	SF		Sliding Stainless Steel Window <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	107.59 47.25 10.37 3.37	2.33
08 51 23			Steel Windows (08 51) Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.		
08 51 23 00-0001			Steel Windows (08 51 23)		

08 Openings**08 50 Windows****08 51 Metal Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23 00-0002			Industrial (08 51 23 00-0001)		
08 51 23 00-0003	SF		Industrial Steel Window With Horizontal Pivot Sash	49.53	2.33
			For Heavy Commercial Grade (HC-40), Add	21.12	
			For Non Stock Custom Sizes, Add	4.56	
			For Double Glazing Sash, Add	27.62	
			For Bonderized Finish, Add	17.34	
			For Installation In Concrete Or Masonry, Add	1.92	
08 51 23 00-0004	SF		Industrial Steel Window, Fixed Sash.....	43.68	2.33
			For Heavy Commercial Grade (HC-40), Add	18.49	
			For Non Stock Custom Sizes, Add	3.98	
			For Double Glazing Sash, Add	24.11	
			For Bonderized Finish, Add	15.12	
			For Installation In Concrete Or Masonry, Add	1.77	
08 51 23 00-0005	SF		Industrial Steel Window, Operable Security Sash.....	73.52	2.33
			For Heavy Commercial Grade (HC-40), Add	31.92	
			For Non Stock Custom Sizes, Add	6.96	
			For Double Glazing Sash, Add	42.01	
			For Bonderized Finish, Add	26.46	
			For Installation In Concrete Or Masonry, Add	2.52	
08 51 23 00-0006	SF		Industrial Steel Window, Fixed Security Sash.....	61.82	2.33
			For Heavy Commercial Grade (HC-40), Add	26.65	
			For Non Stock Custom Sizes, Add	5.79	
			For Double Glazing Sash, Add	34.99	
			For Bonderized Finish, Add	22.01	
			For Installation In Concrete Or Masonry, Add	2.23	
08 51 23 00-0007			Projected Sash (08 51 23 00-0001)		
08 51 23 00-0008	SF		Commercial Projected Sash Window - 40% Vented Steel	58.25	2.33
			For Heavy Commercial Grade (HC-40), Add	25.05	
			For Non Stock Custom Sizes, Add	5.44	
			For Double Glazing Sash, Add	32.85	
			For Bonderized Finish, Add	20.66	
			For Installation In Concrete Or Masonry, Add	2.14	
08 51 23 00-0009	SF		Intermediate Projected Sash Window - 40% Vented Steel	64.68	2.33
			For Heavy Commercial Grade (HC-40), Add	27.94	
			For Non Stock Custom Sizes, Add	6.08	
			For Double Glazing Sash, Add	36.71	
			For Bonderized Finish, Add	23.10	
			For Installation In Concrete Or Masonry, Add	2.30	
08 51 23 00-0010			Other Type Sash (08 51 23 00-0001)		
08 51 23 00-0011	SF		Double Hung Steel Window Sash.....	76.05	2.33
			For Heavy Commercial Grade (HC-40), Add	33.06	
			For Non Stock Custom Sizes, Add	7.22	
			For Double Glazing Sash, Add	43.53	
			For Bonderized Finish, Add	27.42	
			For Installation In Concrete Or Masonry, Add	2.58	
08 51 23 00-0012	SF		Steel Picture Window Sash.....	30.24	2.33
			For Heavy Commercial Grade (HC-40), Add	12.44	
			For Non Stock Custom Sizes, Add	2.64	
			For Double Glazing Sash, Add	16.04	
			For Bonderized Finish, Add	10.01	
			For Installation In Concrete Or Masonry, Add	1.44	
08 51 23 00-0013	SF		Fire Rated Double Hung Steel Window Sash	78.58	2.92
			For Heavy Commercial Grade (HC-40), Add	34.19	
			For Non Stock Custom Sizes, Add	7.47	
			For Double Glazing Sash, Add	45.05	
			For Bonderized Finish, Add	28.38	
			For Installation In Concrete Or Masonry, Add	2.65	
08 51 23 00-0014	SF		Single Hung Steel Window Sash	52.56	2.33
			For Heavy Commercial Grade (HC-40), Add	22.49	
			For Non Stock Custom Sizes, Add	4.87	
			For Double Glazing Sash, Add	29.44	
			For Bonderized Finish, Add	18.49	
			For Installation In Concrete Or Masonry, Add	1.99	
08 51 23 00-0015			Casements (08 51 23 00-0001)		
08 51 23 00-0016	SF		Steel Window Casements, 100% Vented Operable, Factory Primed.....	67.73	1.17
			For Double Glazing Sash, Add	38.54	
			For Bonderized Finish, Add	24.26	
			For Heavy Commercial Grade (HC-40), Add	29.31	
			For Non Stock Custom Sizes, Add	6.38	
			For Installation In Concrete Or Masonry, Add	2.37	
08 51 23 00-0017	SF		Steel Window Casements, 50% Vented Operable, Factory Primed.....	58.00	1.17
			For Double Glazing Sash, Add	32.70	
			For Bonderized Finish, Add	20.56	
			For Heavy Commercial Grade (HC-40), Add	24.93	
			For Non Stock Custom Sizes, Add	5.41	
			For Installation In Concrete Or Masonry, Add	2.13	
08 51 23 00-0018	SF		Steel Window Casements, Fixed Sash, Factory Primed.....	39.65	1.75
			For Double Glazing Sash, Add	21.69	
			For Bonderized Finish, Add	13.59	
			For Heavy Commercial Grade (HC-40), Add	16.68	
			For Non Stock Custom Sizes, Add	3.58	
			For Installation In Concrete Or Masonry, Add	1.67	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 51 23 00-0019			Mullions (08 51 23 00-0001)		
08 51 23 00-0020	LF		Open Faced Steel Mullion.....	22.51	1.75
08 51 23 00-0021	LF		Covered Steel Mullions.....	40.91	1.75

08 51 23 00-0022			Removal And Reinstallation Of Metal Window And Frame (08 51 23)		
Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.					
08 51 23 00-0023	SF		Removal And Reinstallation Of Metal Window And Frame.....	6.41	

08 51 69 Metal Storm Windows (08 51)

08 51 69 00-0001			Storm Windows (08 51 69)		
08 51 69 00-0002	SF		Double Hung, Aluminum, Combination Storm And Screen.....	13.66	1.17
				<i>For Installation In Concrete Or Masonry, Add</i>	0.61

08 52 Wood Windows (08 50)

08 52 16 Plastic-Clad Wood Windows (08 52)

08 52 16 00-0001			Double Hung Wood Clad Windows (08 52 16)		
08 52 16 00-0002			Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0001)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.					
08 52 16 00-0003			35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0004	EA		23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	206.93	17.89
				<i>For Low-E Insulated Glass, Add</i>	20.54
				<i>For Tempered Clear Insulated Glass, Add</i>	34.23
08 52 16 00-0005	EA		27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	219.58	18.68
				<i>For Low-E Insulated Glass, Add</i>	21.87
				<i>For Tempered Clear Insulated Glass, Add</i>	36.45
08 52 16 00-0006	EA		31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	231.32	19.45
				<i>For Low-E Insulated Glass, Add</i>	23.09
				<i>For Tempered Clear Insulated Glass, Add</i>	38.48
08 52 16 00-0007	EA		35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	243.05	20.23
				<i>For Low-E Insulated Glass, Add</i>	24.31
				<i>For Tempered Clear Insulated Glass, Add</i>	40.52

08 52 16 00-0008 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)

08 52 16 00-0009	EA		23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	224.99	19.06
				<i>For Low-E Insulated Glass, Add</i>	22.42
				<i>For Tempered Clear Insulated Glass, Add</i>	37.37
08 52 16 00-0010	EA		27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	237.64	19.84
				<i>For Low-E Insulated Glass, Add</i>	23.76
				<i>For Tempered Clear Insulated Glass, Add</i>	39.59
08 52 16 00-0011	EA		31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	249.38	20.61
				<i>For Low-E Insulated Glass, Add</i>	24.98
				<i>For Tempered Clear Insulated Glass, Add</i>	41.63
08 52 16 00-0012	EA		35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	261.11	21.39
				<i>For Low-E Insulated Glass, Add</i>	26.20
				<i>For Tempered Clear Insulated Glass, Add</i>	43.66

08 52 16 00-0013 47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)

08 52 16 00-0014	EA		23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	243.05	20.23
				<i>For Low-E Insulated Glass, Add</i>	24.31
				<i>For Tempered Clear Insulated Glass, Add</i>	40.52
08 52 16 00-0015	EA		27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	254.77	21.01
				<i>For Low-E Insulated Glass, Add</i>	25.53
				<i>For Tempered Clear Insulated Glass, Add</i>	42.55
08 52 16 00-0016	EA		31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	267.44	21.78
				<i>For Low-E Insulated Glass, Add</i>	26.86
				<i>For Tempered Clear Insulated Glass, Add</i>	44.77
08 52 16 00-0017	EA		35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	279.17	22.56
				<i>For Low-E Insulated Glass, Add</i>	28.09
				<i>For Tempered Clear Insulated Glass, Add</i>	46.81

08 52 16 00-0018 53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)

08 52 16 00-0019	EA		23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	261.11	21.39
				<i>For Low-E Insulated Glass, Add</i>	26.20
				<i>For Tempered Clear Insulated Glass, Add</i>	43.66
08 52 16 00-0020	EA		27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	272.85	22.17
				<i>For Low-E Insulated Glass, Add</i>	27.42
				<i>For Tempered Clear Insulated Glass, Add</i>	45.70

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0021	EA		31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	284.58 28.64 47.74	22.95
08 52 16 00-0022	EA		35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	297.24 29.97 49.96	23.72
08 52 16 00-0023			56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0024	EA		19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	257.95 25.87 43.11	21.39
08 52 16 00-0025	EA		23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	269.67 27.09 45.14	21.98
08 52 16 00-0026	EA		27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	282.34 28.42 47.37	22.95
08 52 16 00-0027	EA		31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	294.06 29.64 49.40	23.72
08 52 16 00-0028	EA		35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	305.81 30.86 51.44	24.51
08 52 16 00-0029	EA		39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	317.53 32.08 53.47	25.29
08 52 16 00-0030			59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0031	EA		19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	267.44 26.86 44.77	21.78
08 52 16 00-0032	EA		23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	279.17 28.09 46.81	22.56
08 52 16 00-0033	EA		27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	290.91 29.31 48.85	23.34
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	302.63 30.53 50.88	24.12
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	314.37 31.75 52.92	24.89
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	327.02 33.08 55.14	25.67
08 52 16 00-0037			65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0038	EA		23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	297.24 29.97 49.96	23.72
08 52 16 00-0039	EA		27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	308.96 31.19 51.99	24.51
08 52 16 00-0040	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	320.69 32.42 54.03	25.29
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	332.43 33.64 56.06	26.06
08 52 16 00-0042			71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	314.37 31.75 52.92	24.89
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	327.02 33.08 55.14	25.67
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	338.76 34.30 57.17	26.45
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	350.49 35.52 59.21	27.23
08 52 16 00-0047			Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0001) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0048 36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0049 EA 21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	262.04 45.33	17.89
08 52 16 00-0050 EA 25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	278.41 48.29	18.47
08 52 16 00-0051 EA 29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	295.69 51.44	19.25
08 52 16 00-0052 EA 31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	304.79 53.10	19.84
08 52 16 00-0053 EA 33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	312.97 54.58	20.23
08 52 16 00-0054 EA 35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	321.15 56.06	20.61
08 52 16 00-0055 EA 37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	330.25 57.73	20.81
08 52 16 00-0056 EA 41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	346.61 60.69	21.59
08 52 16 00-0057 EA 45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	363.89 63.83	22.37
08 52 16 00-0058 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0059 EA 21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	278.41 48.29	18.68
08 52 16 00-0060 EA 25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	295.69 51.44	19.25
08 52 16 00-0061 EA 29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	312.97 54.58	20.03
08 52 16 00-0062 EA 31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	321.15 56.06	20.61
08 52 16 00-0063 EA 33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	330.25 57.73	21.01
08 52 16 00-0064 EA 35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	338.43 59.21	21.39
08 52 16 00-0065 EA 37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	346.61 60.69	21.59
08 52 16 00-0066 EA 41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	363.89 63.83	22.37
08 52 16 00-0067 EA 45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	381.17 66.98	23.15
08 52 16 00-0068 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0069 EA 21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	295.69 51.44	19.45
08 52 16 00-0070 EA 25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	312.97 54.58	20.03
08 52 16 00-0071 EA 29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	330.25 57.73	20.81
08 52 16 00-0072 EA 31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	338.43 59.21	21.39
08 52 16 00-0073 EA 33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	346.61 60.69	21.78
08 52 16 00-0074 EA 35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	355.71 62.35	22.17
08 52 16 00-0075 EA 37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	363.89 63.83	22.37
08 52 16 00-0076 EA 41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	381.17 66.98	23.15
08 52 16 00-0077 EA 45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	398.45 70.12	23.92
08 52 16 00-0078 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0079 EA 21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	312.97 54.58	20.23
08 52 16 00-0080 EA 25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	330.25 57.73	20.81
08 52 16 00-0081 EA 29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	346.61 60.69	21.59
08 52 16 00-0082 EA 31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	355.71 62.35	22.17
08 52 16 00-0083 EA 33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	363.89 63.83	22.56
08 52 16 00-0084 EA 35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	372.07 65.31	22.95
08 52 16 00-0085 EA 37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	381.17 66.98	23.15
08 52 16 00-0086 EA 41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	398.45 70.12	23.92

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0087	EA		45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	414.81 73.08	24.70
08 52 16 00-0088			52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0089	EA		21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	330.25 57.73	21.01
08 52 16 00-0090	EA		25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	346.61 60.69	21.59
08 52 16 00-0091	EA		29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	363.89 63.83	22.37
08 52 16 00-0092	EA		31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	372.07 65.31	22.95
08 52 16 00-0093	EA		33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	381.17 66.98	23.34
08 52 16 00-0094	EA		35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	389.35 68.46	23.72
08 52 16 00-0095	EA		37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	398.45 70.12	23.92
08 52 16 00-0096	EA		41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	414.81 73.08	24.70
08 52 16 00-0097	EA		45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	432.10 76.23	25.48
08 52 16 00-0098			56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0099	EA		21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	346.61 60.69	21.78
08 52 16 00-0100	EA		25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	363.89 63.83	22.37
08 52 16 00-0101	EA		29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	381.17 66.98	23.15
08 52 16 00-0102	EA		31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	389.35 68.46	23.72
08 52 16 00-0103	EA		33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	398.45 70.12	24.12
08 52 16 00-0104	EA		35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	406.64 71.60	24.51
08 52 16 00-0105	EA		37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	414.81 73.08	24.70
08 52 16 00-0106	EA		41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	432.10 76.23	25.48
08 52 16 00-0107	EA		45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	449.38 79.37	26.26
08 52 16 00-0108			60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0109	EA		21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	363.89 63.83	22.56
08 52 16 00-0110	EA		25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	381.17 66.98	23.15
08 52 16 00-0111	EA		29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	398.45 70.12	23.92
08 52 16 00-0112	EA		31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	406.64 71.60	24.51
08 52 16 00-0113	EA		33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	414.81 73.08	24.89
08 52 16 00-0114	EA		35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	423.92 74.75	25.29
08 52 16 00-0115	EA		37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	432.10 76.23	25.48
08 52 16 00-0116	EA		41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	449.38 79.37	26.26
08 52 16 00-0117	EA		45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	465.74 82.33	27.03
08 52 16 00-0118			64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0119	EA		21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	381.17 66.98	23.34
08 52 16 00-0120	EA		25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	398.45 70.12	23.92
08 52 16 00-0121	EA		29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	414.81 73.08	24.70
08 52 16 00-0122	EA		31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	423.92 74.75	25.29
08 52 16 00-0123	EA		33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	432.10 76.23	25.67
08 52 16 00-0124	EA		35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	440.28 77.71	26.06
08 52 16 00-0125	EA		37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	449.38 79.37	26.26



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0126	EA		41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	465.74 82.33	27.03
08 52 16 00-0127	EA		45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	483.02 85.48	27.81
08 52 16 00-0128			68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0129	EA		21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	398.45 70.12	24.12
08 52 16 00-0130	EA		25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	414.81 73.08	24.70
08 52 16 00-0131	EA		29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	432.10 76.23	25.48
08 52 16 00-0132	EA		31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	440.28 77.71	26.06
08 52 16 00-0133	EA		33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	449.38 79.37	26.45
08 52 16 00-0134	EA		35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	457.56 80.85	26.84
08 52 16 00-0135	EA		37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	465.74 82.33	27.03
08 52 16 00-0136	EA		41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	483.02 85.48	27.81
08 52 16 00-0137	EA		45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.30 88.62	28.59
08 52 16 00-0138			72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0139	EA		21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	414.81 73.08	24.89
08 52 16 00-0140	EA		25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	432.10 76.23	25.48
08 52 16 00-0141	EA		29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	449.38 79.37	26.26
08 52 16 00-0142	EA		31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	457.56 80.85	26.84
08 52 16 00-0143	EA		33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	465.74 82.33	27.23
08 52 16 00-0144	EA		35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	474.85 84.00	27.62
08 52 16 00-0145	EA		37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	483.02 85.48	27.81
08 52 16 00-0146	EA		41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.30 88.62	28.59
08 52 16 00-0147	EA		45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	517.58 91.77	29.37
08 52 16 00-0148			76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0149	EA		21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	432.10 76.23	25.67
08 52 16 00-0150	EA		25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	449.38 79.37	26.26
08 52 16 00-0151	EA		29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	465.74 82.33	27.03
08 52 16 00-0152	EA		31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	474.85 84.00	27.62
08 52 16 00-0153	EA		33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	483.02 85.48	28.00
08 52 16 00-0154	EA		35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	492.12 87.14	28.40
08 52 16 00-0155	EA		37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.30 88.62	28.59
08 52 16 00-0156	EA		41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	517.58 91.77	29.37
08 52 16 00-0157	EA		45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	533.95 94.73	30.14
08 52 16 00-0158			84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0159	EA		21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	685.91 126.37	27.23
08 52 16 00-0160	EA		25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	710.59 130.99	27.81
08 52 16 00-0161	EA		29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	735.28 135.62	28.59
08 52 16 00-0162	EA		31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	747.15 137.84	29.17
08 52 16 00-0163	EA		33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	759.96 140.25	29.56
08 52 16 00-0164	EA		35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	771.84 142.47	29.95

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	783.73		30.14
		For Tempered Low-E Insulated Glass, Add	144.69		
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	808.41		30.92
		For Tempered Low-E Insulated Glass, Add	149.31		
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	833.09		31.70
		For Tempered Low-E Insulated Glass, Add	153.94		
08 52 16 00-0168		88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)			
08 52 16 00-0169	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	710.59		28.00
		For Tempered Low-E Insulated Glass, Add	130.99		
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	735.28		28.59
		For Tempered Low-E Insulated Glass, Add	135.62		
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	759.96		29.37
		For Tempered Low-E Insulated Glass, Add	140.25		
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	771.84		29.95
		For Tempered Low-E Insulated Glass, Add	142.47		
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	783.73		30.34
		For Tempered Low-E Insulated Glass, Add	144.69		
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	796.52		30.73
		For Tempered Low-E Insulated Glass, Add	147.09		
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	808.41		30.92
		For Tempered Low-E Insulated Glass, Add	149.31		
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	833.09		31.70
		For Tempered Low-E Insulated Glass, Add	153.94		
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	857.77		32.48
		For Tempered Low-E Insulated Glass, Add	158.56		
08 52 16 00-0178		Casement Wood Clad Windows (08 52 16)			
08 52 16 00-0179		Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0178)			
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.			
08 52 16 00-0180		One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)			
08 52 16 00-0181		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)			
08 52 16 00-0182	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	169.41		14.78
		For Tempered Clear Insulated Glass, Add	28.05		
08 52 16 00-0183	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	179.28		15.17
		For Tempered Clear Insulated Glass, Add	29.79		
08 52 16 00-0184	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	190.26		15.95
		For Tempered Clear Insulated Glass, Add	31.67		
08 52 16 00-0185	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	200.36		16.73
		For Tempered Clear Insulated Glass, Add	33.38		
08 52 16 00-0186		28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)			
08 52 16 00-0187	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	181.84		15.56
		For Tempered Clear Insulated Glass, Add	30.22		
08 52 16 00-0188	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	191.71		15.95
		For Tempered Clear Insulated Glass, Add	31.96		
08 52 16 00-0189	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	202.69		16.73
		For Tempered Clear Insulated Glass, Add	33.85		
08 52 16 00-0190	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	207.97		17.50
		For Tempered Clear Insulated Glass, Add	34.59		
08 52 16 00-0191	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	220.83		18.28
		For Tempered Clear Insulated Glass, Add	36.93		
08 52 16 00-0192		35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)			
08 52 16 00-0193	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	204.14		16.73
		For Tempered Clear Insulated Glass, Add	34.14		
08 52 16 00-0194	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	214.73		17.50
		For Tempered Clear Insulated Glass, Add	36.02		
08 52 16 00-0195	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	225.72		18.09
		For Tempered Clear Insulated Glass, Add	37.91		
08 52 16 00-0196	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	243.22		18.87
		For Tempered Clear Insulated Glass, Add	41.10		
08 52 16 00-0197	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	259.95		19.45
		For Tempered Clear Insulated Glass, Add	44.21		
08 52 16 00-0198	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	276.33		19.84
		For Tempered Clear Insulated Glass, Add	47.33		
08 52 16 00-0199		40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)			
08 52 16 00-0200	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	219.13		17.89
		For Tempered Clear Insulated Glass, Add	36.75		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0201	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	229.00 38.49	18.28
08 52 16 00-0202	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	239.98 40.37	19.06
08 52 16 00-0203	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	265.46 45.16	19.84
08 52 16 00-0204	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	283.00 48.43	20.61
08 52 16 00-0205	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	299.36 51.39	21.39
08 52 16 00-0206			48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0207	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	240.37 40.37	19.45
08 52 16 00-0208	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	250.96 42.26	19.84
08 52 16 00-0209	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	261.94 44.14	20.61
08 52 16 00-0210	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	297.21 50.88	21.39
08 52 16 00-0211	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	310.89 53.39	22.17
08 52 16 00-0212	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	331.48 57.19	22.95
08 52 16 00-0213			52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0214	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	254.98 42.98	20.23
08 52 16 00-0215	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	264.84 44.72	20.61
08 52 16 00-0216	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	275.83 46.61	21.39
08 52 16 00-0217	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	319.44 55.02	22.17
08 52 16 00-0218	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	339.98 58.89	22.95
08 52 16 00-0219	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	353.33 61.25	23.72
08 52 16 00-0220			59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0221	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	275.83 46.61	21.39
08 52 16 00-0222	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	286.41 48.49	22.17
08 52 16 00-0223	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	297.40 50.38	22.75
08 52 16 00-0224	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	351.15 60.82	23.53
08 52 16 00-0225	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	365.65 63.48	24.12
08 52 16 00-0226	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	385.06 67.05	24.89
08 52 16 00-0227			64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0228	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	290.82 49.22	22.56
08 52 16 00-0229	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	300.69 50.96	22.95
08 52 16 00-0230	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	311.68 52.84	23.72
08 52 16 00-0231	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	373.40 64.88	24.51
08 52 16 00-0232	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	386.87 67.34	25.29
08 52 16 00-0233	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	407.31 71.11	26.06
08 52 16 00-0234			71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0235	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	311.68 52.84	23.72
08 52 16 00-0236	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	322.27 54.73	24.51
08 52 16 00-0237	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	333.25 56.61	25.09

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0238	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	405.13	25.86
			<i>For Tempered Clear Insulated Glass, Add</i>	70.68	
08 52 16 00-0239	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	421.71	26.45
			<i>For Tempered Clear Insulated Glass, Add</i>	73.76	
08 52 16 00-0240	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	439.03	27.23
			<i>For Tempered Clear Insulated Glass, Add</i>	76.91	
08 52 16 00-0241			Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0242			24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0243	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	306.64	19.06
			<i>For Tempered Clear Insulated Glass, Add</i>	53.70	
08 52 16 00-0244	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	349.01	20.61
			<i>For Tempered Clear Insulated Glass, Add</i>	61.56	
08 52 16 00-0245	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	398.22	22.17
			<i>For Tempered Clear Insulated Glass, Add</i>	70.77	
08 52 16 00-0246			28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0247	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	331.20	19.84
			<i>For Tempered Clear Insulated Glass, Add</i>	58.31	
08 52 16 00-0248	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	373.58	21.39
			<i>For Tempered Clear Insulated Glass, Add</i>	66.16	
08 52 16 00-0249	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	422.78	22.95
			<i>For Tempered Clear Insulated Glass, Add</i>	75.38	
08 52 16 00-0250			35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0251	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	328.12	19.84
			<i>For Tempered Clear Insulated Glass, Add</i>	57.69	
08 52 16 00-0252	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	371.45	21.39
			<i>For Tempered Clear Insulated Glass, Add</i>	65.81	
08 52 16 00-0253	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	416.61	22.95
			<i>For Tempered Clear Insulated Glass, Add</i>	74.22	
08 52 16 00-0254	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	469.03	24.31
			<i>For Tempered Clear Insulated Glass, Add</i>	84.08	
08 52 16 00-0255	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	504.08	25.48
			<i>For Tempered Clear Insulated Glass, Add</i>	90.62	
08 52 16 00-0256	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	562.59	27.23
			<i>For Tempered Clear Insulated Glass, Add</i>	101.63	
08 52 16 00-0257			40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0258	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	358.34	20.81
			<i>For Tempered Clear Insulated Glass, Add</i>	63.34	
08 52 16 00-0259	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	401.67	22.17
			<i>For Tempered Clear Insulated Glass, Add</i>	71.46	
08 52 16 00-0260	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	446.84	23.72
			<i>For Tempered Clear Insulated Glass, Add</i>	79.88	
08 52 16 00-0261	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	499.24	25.29
			<i>For Tempered Clear Insulated Glass, Add</i>	89.74	
08 52 16 00-0262	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	538.14	26.45
			<i>For Tempered Clear Insulated Glass, Add</i>	97.05	
08 52 16 00-0263	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	703.73	28.20
			<i>For Tempered Clear Insulated Glass, Add</i>	129.47	
08 52 16 00-0264			48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0265	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	402.78	22.37
			<i>For Tempered Clear Insulated Glass, Add</i>	71.61	
08 52 16 00-0266	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	446.84	23.72
			<i>For Tempered Clear Insulated Glass, Add</i>	79.88	
08 52 16 00-0267	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	491.99	25.29
			<i>For Tempered Clear Insulated Glass, Add</i>	88.29	
08 52 16 00-0268	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	544.40	26.84
			<i>For Tempered Clear Insulated Glass, Add</i>	98.15	
08 52 16 00-0269	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	581.64	28.00
			<i>For Tempered Clear Insulated Glass, Add</i>	105.12	
08 52 16 00-0270	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	637.97	29.76
			<i>For Tempered Clear Insulated Glass, Add</i>	115.69	
08 52 16 00-0271			52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0272	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	432.61	23.15
			<i>For Tempered Clear Insulated Glass, Add</i>	77.27	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0273 EA 40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	475.94 85.39	24.51
08 52 16 00-0274 EA 48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	515.72 92.72	26.06
08 52 16 00-0275 EA 56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	573.52 103.66	27.62
08 52 16 00-0276 EA 62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	612.56 111.00	28.78
08 52 16 00-0277 EA 71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	667.80 121.35	30.54
08 52 16 00-0278 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0279 EA 33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	476.66 85.53	24.51
08 52 16 00-0280 EA 40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	519.99 93.65	26.06
08 52 16 00-0281 EA 48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	565.15 102.06	27.62
08 52 16 00-0282 EA 56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	617.56 111.92	28.98
08 52 16 00-0283 EA 62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	656.62 119.26	30.14
08 52 16 00-0284 EA 71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	711.12 129.47	31.90
08 52 16 00-0285 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0286 EA 33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	506.89 91.19	25.48
08 52 16 00-0287 EA 40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	550.20 99.31	26.84
08 52 16 00-0288 EA 48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	596.10 107.86	28.40
08 52 16 00-0289 EA 56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	648.51 117.72	29.95
08 52 16 00-0290 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0291 EA 33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	550.92 99.45	26.84
08 52 16 00-0292 EA 40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	594.26 107.57	28.40
08 52 16 00-0293 EA 48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	639.42 115.98	29.95
08 52 16 00-0294 EA 56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	691.84 125.84	31.31
08 52 16 00-0295 One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0179)</small>		
08 52 16 00-0296 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0297 EA 71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	488.77 87.72	25.09
08 52 16 00-0298 EA 84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	569.31 102.81	27.62
08 52 16 00-0299 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0300 EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	519.05 93.46	25.86
08 52 16 00-0301 EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	594.20 107.48	28.40
08 52 16 00-0302 35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0303 EA 61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	499.38 89.76	25.29
08 52 16 00-0304 EA 71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	564.04 101.92	27.23

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0305	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	643.77 116.85	29.95
08 52 16 00-0306			40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0307	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	528.13 95.12	26.45
08 52 16 00-0308	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	594.98 107.72	28.20
08 52 16 00-0309	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	673.99 122.51	30.73
08 52 16 00-0310			48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0311	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	639.42 115.98	29.76
08 52 16 00-0312	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	718.43 130.77	32.28
08 52 16 00-0313			52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0314	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	669.25 121.64	30.54
08 52 16 00-0315	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	748.26 136.43	33.06
08 52 16 00-0316			59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0317	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	712.57 129.76	31.90
08 52 16 00-0318	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	792.31 144.69	34.62
08 52 16 00-0319			Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0178) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320			One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0321			24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0322	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	203.12 34.79	14.78
08 52 16 00-0323	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	215.16 36.96	15.17
08 52 16 00-0324	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	228.51 39.32	15.95
08 52 16 00-0325	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	240.74 41.46	16.73
08 52 16 00-0326			28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0327	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	218.27 37.51	15.56
08 52 16 00-0328	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	230.32 39.68	15.95
08 52 16 00-0329	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	243.65 42.04	16.73
08 52 16 00-0330	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	249.87 42.97	17.50
08 52 16 00-0331	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	265.64 45.89	18.28
08 52 16 00-0332			35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0333	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	245.46 42.40	16.73



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0334	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	258.41 44.76	17.50
08 52 16 00-0335	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	271.76 47.12	18.09
08 52 16 00-0336	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	293.24 51.10	18.87
08 52 16 00-0337	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	313.87 54.99	19.45
08 52 16 00-0338	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	334.15 58.90	19.84
08 52 16 00-0339			40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0340	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	263.72 45.67	17.89
08 52 16 00-0341	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	275.76 47.84	18.28
08 52 16 00-0342	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	289.10 50.20	19.06
08 52 16 00-0343	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	320.56 56.18	19.84
08 52 16 00-0344	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	342.20 60.27	20.61
08 52 16 00-0345	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	362.26 63.97	21.39
08 52 16 00-0346			48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0347	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	289.49 50.20	19.45
08 52 16 00-0348	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	302.43 52.55	19.84
08 52 16 00-0349	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	315.78 54.91	20.61
08 52 16 00-0350	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	359.47 63.34	21.39
08 52 16 00-0351	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	376.28 66.47	22.17
08 52 16 00-0352	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	401.62 71.22	22.95
08 52 16 00-0353			52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0354	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	307.37 53.46	20.23
08 52 16 00-0355	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	319.40 55.63	20.61
08 52 16 00-0356	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	332.74 57.99	21.39
08 52 16 00-0357	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	386.87 68.50	22.17
08 52 16 00-0358	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	412.26 73.35	22.95
08 52 16 00-0359	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	428.55 76.30	23.72
08 52 16 00-0360			59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0361	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	332.74 57.99	21.39
08 52 16 00-0362	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	345.69 60.35	22.17
08 52 16 00-0363	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	359.03 62.70	22.75
08 52 16 00-0364	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	425.83 75.75	23.53
08 52 16 00-0365	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	443.66 79.09	24.12
08 52 16 00-0366	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	467.53 83.55	24.89
08 52 16 00-0367			64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0368	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	351.00 61.25	22.56
08 52 16 00-0369	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	363.04 63.43	22.95
08 52 16 00-0370	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	376.38 65.78	23.72

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0371	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	453.15	24.51
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.83	
08 52 16 00-0372	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	469.70	25.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.90	
08 52 16 00-0373	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	494.85	26.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.62	
08 52 16 00-0374			71-7/8" Height, One Operating Sash, Casement Wood Clad Windows		
			(Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0375	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	376.38	23.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	65.78	
08 52 16 00-0376	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	389.33	24.51
			<i>For Tempered Low-E Insulated Glass, Add</i>	68.14	
08 52 16 00-0377	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	402.67	25.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	70.50	
08 52 16 00-0378	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	492.14	25.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.08	
08 52 16 00-0379	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	512.57	26.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	91.93	
08 52 16 00-0380	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	533.83	27.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	95.87	
08 52 16 00-0381			Two Operating Sashes, Casement Wood Clad Windows (Andersen 400		
			Series) <small>(08 52 16 00-0319)</small>		
08 52 16 00-0382			24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0383	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	371.08	19.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.59	
08 52 16 00-0384	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	423.27	20.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.41	
08 52 16 00-0385	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	484.00	22.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.93	
08 52 16 00-0386			28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0387	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	401.39	19.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.34	
08 52 16 00-0388	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	453.59	21.39
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.16	
08 52 16 00-0389	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	514.31	22.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.68	
08 52 16 00-0390			35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0391	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	397.54	19.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.57	
08 52 16 00-0392	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	451.02	21.39
			<i>For Tempered Low-E Insulated Glass, Add</i>	81.72	
08 52 16 00-0393	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	506.69	22.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.24	
08 52 16 00-0394	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	571.44	24.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	104.56	
08 52 16 00-0395	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	614.67	25.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.74	
08 52 16 00-0396	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	686.93	27.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.49	
08 52 16 00-0397			40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0398	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	434.83	20.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	78.64	
08 52 16 00-0399	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	488.31	22.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.79	
08 52 16 00-0400	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	543.99	23.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.31	
08 52 16 00-0401	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	608.72	25.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.63	
08 52 16 00-0402	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	656.76	26.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.77	
08 52 16 00-0403	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	862.88	28.20
			<i>For Tempered Low-E Insulated Glass, Add</i>	161.30	
08 52 16 00-0404			48" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0405	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	489.60	22.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.97	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0406	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	543.99	23.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.31	
08 52 16 00-0407	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	599.65	25.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.82	
08 52 16 00-0408	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	664.39	26.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	122.14	
08 52 16 00-0409	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	710.36	28.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	130.87	
08 52 16 00-0410	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	779.89	29.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	144.08	
08 52 16 00-0411			52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0412	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	526.50	23.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.04	
08 52 16 00-0413	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	579.98	24.51
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.19	
08 52 16 00-0414	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	630.27	26.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	115.63	
08 52 16 00-0415	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	700.40	27.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	129.03	
08 52 16 00-0416	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	748.62	28.78
			<i>For Tempered Low-E Insulated Glass, Add</i>	138.21	
08 52 16 00-0417	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	816.79	30.54
			<i>For Tempered Low-E Insulated Glass, Add</i>	151.14	
08 52 16 00-0418			59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0419	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	580.88	24.51
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.37	
08 52 16 00-0420	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	634.37	26.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	116.53	
08 52 16 00-0421	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	690.04	27.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.04	
08 52 16 00-0422	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	754.77	28.98
			<i>For Tempered Low-E Insulated Glass, Add</i>	139.36	
08 52 16 00-0423	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	803.00	30.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	148.54	
08 52 16 00-0424	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	870.27	31.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	161.30	
08 52 16 00-0425			64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0426	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	618.18	25.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	113.44	
08 52 16 00-0427	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	671.64	26.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	123.59	
08 52 16 00-0428	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	728.23	28.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	134.29	
08 52 16 00-0429	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	792.97	29.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	146.61	
08 52 16 00-0430			71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0431	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	672.55	26.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	123.78	
08 52 16 00-0432	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	726.03	28.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.93	
08 52 16 00-0433	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	781.70	29.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	144.44	
08 52 16 00-0434	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	846.45	31.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	156.76	
08 52 16 00-0435			One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0319)</small>		
08 52 16 00-0436			24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0437	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	597.07	25.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.38	
08 52 16 00-0438	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	695.13	27.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.98	
08 52 16 00-0439			28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0440	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	633.18	25.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	116.29	
08 52 16 00-0441	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	725.86	28.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.81	
08 52 16 00-0442			35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0443	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	608.90	25.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.67	
08 52 16 00-0444	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	688.74	27.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.86	
08 52 16 00-0445	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	787.14	29.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.53	
08 52 16 00-0446			40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0447	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	644.35	26.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.37	
08 52 16 00-0448	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	726.93	28.20
			<i>For Tempered Low-E Insulated Glass, Add</i>	134.11	
08 52 16 00-0449	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	824.44	30.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	152.60	
08 52 16 00-0450			48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0451	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	781.70	29.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	144.44	
08 52 16 00-0452	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	879.20	32.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	162.93	
08 52 16 00-0453			52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0454	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	818.61	30.54
			<i>For Tempered Low-E Insulated Glass, Add</i>	151.51	
08 52 16 00-0455	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	916.10	33.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	170.00	
08 52 16 00-0456			59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0457	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	872.08	31.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	161.66	
08 52 16 00-0458	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	970.49	34.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	180.33	
08 52 16 00-0459			Awning Wood Clad Windows (08 52 16)		
08 52 16 00-0460			Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0459) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461			Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0460)		
08 52 16 00-0462			17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0463	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	183.35	15.95
			<i>For Tempered Clear Insulated Glass, Add</i>	30.29	
08 52 16 00-0464	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	196.50	16.73
			<i>For Tempered Clear Insulated Glass, Add</i>	32.61	
08 52 16 00-0465	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	207.30	17.31
			<i>For Tempered Clear Insulated Glass, Add</i>	34.54	
08 52 16 00-0466	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	220.98	18.09
			<i>For Tempered Clear Insulated Glass, Add</i>	36.96	
08 52 16 00-0467	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	236.69	19.06
			<i>For Tempered Clear Insulated Glass, Add</i>	39.71	
08 52 16 00-0468	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	260.83	20.61
			<i>For Tempered Clear Insulated Glass, Add</i>	43.92	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0469	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	276.17 46.68	21.39
08 52 16 00-0470	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	298.46 50.59	22.95
08 52 16 00-0471	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	306.61 51.83	23.72
08 52 16 00-0472	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	328.66 55.70	25.09
08 52 16 00-0473			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0474	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	193.57 32.10	16.73
08 52 16 00-0475	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	207.82 34.64	17.50
08 52 16 00-0476	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	217.08 36.26	17.89
08 52 16 00-0477	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	232.29 38.99	18.68
08 52 16 00-0478	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	248.01 41.74	19.84
08 52 16 00-0479	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	271.42 45.80	21.20
08 52 16 00-0480	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	286.75 48.56	22.17
08 52 16 00-0481	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	309.78 52.62	23.34
08 52 16 00-0482	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	317.09 53.69	24.51
08 52 16 00-0483	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	339.84 57.70	25.67
08 52 16 00-0484	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	529.03 94.53	28.40
08 52 16 00-0485			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0486	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	206.37 34.35	17.50
08 52 16 00-0487	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	219.53 36.67	18.28
08 52 16 00-0488	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	228.47 38.23	18.68
08 52 16 00-0489	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	244.00 41.02	19.45
08 52 16 00-0490	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	259.71 43.77	20.61
08 52 16 00-0491	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	283.85 47.98	21.98
08 52 16 00-0492	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	299.19 50.74	22.95
08 52 16 00-0493	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	322.21 54.80	24.12
08 52 16 00-0494	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	328.66 55.70	25.29
08 52 16 00-0495	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	350.68 59.56	26.45
08 52 16 00-0496	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	557.02 99.81	29.17
08 52 16 00-0497			28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0498	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	205.75 33.91	18.28
08 52 16 00-0499	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	226.15 37.68	19.06
08 52 16 00-0500	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	239.25 40.07	19.45
08 52 16 00-0501	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	263.67 44.64	20.23
08 52 16 00-0502	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	288.10 49.14	21.39
08 52 16 00-0503	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	323.84 55.67	22.75
08 52 16 00-0504	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	347.14 60.02	23.72
08 52 16 00-0505	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	382.49 66.54	24.89
08 52 16 00-0506	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	395.36 68.72	26.06
08 52 16 00-0507	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	429.58 75.02	27.23
08 52 16 00-0508	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	572.17 102.53	29.95

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0509			31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0510	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	239.25	19.45
			<i>For Tempered Clear Insulated Glass, Add</i>	40.07	
08 52 16 00-0511	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	253.34	20.03
			<i>For Tempered Clear Insulated Glass, Add</i>	42.65	
08 52 16 00-0512	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	272.72	20.81
			<i>For Tempered Clear Insulated Glass, Add</i>	46.22	
08 52 16 00-0513	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	294.35	21.78
			<i>For Tempered Clear Insulated Glass, Add</i>	50.16	
08 52 16 00-0514	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	325.74	23.34
			<i>For Tempered Clear Insulated Glass, Add</i>	55.81	
08 52 16 00-0515	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	347.58	24.12
			<i>For Tempered Clear Insulated Glass, Add</i>	59.87	
08 52 16 00-0516	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	378.60	25.67
			<i>For Tempered Clear Insulated Glass, Add</i>	65.53	
08 52 16 00-0517	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	400.21	26.45
			<i>For Tempered Clear Insulated Glass, Add</i>	69.46	
08 52 16 00-0518	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	431.83	27.81
			<i>For Tempered Clear Insulated Glass, Add</i>	75.24	
08 52 16 00-0519	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	610.73	30.34
			<i>For Tempered Clear Insulated Glass, Add</i>	110.01	
08 52 16 00-0520			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0521	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	272.72	20.81
			<i>For Tempered Clear Insulated Glass, Add</i>	46.22	
08 52 16 00-0522	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	300.48	21.59
			<i>For Tempered Clear Insulated Glass, Add</i>	51.46	
08 52 16 00-0523	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	324.90	22.56
			<i>For Tempered Clear Insulated Glass, Add</i>	55.96	
08 52 16 00-0524	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	360.63	24.12
			<i>For Tempered Clear Insulated Glass, Add</i>	62.48	
08 52 16 00-0525	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	384.67	24.89
			<i>For Tempered Clear Insulated Glass, Add</i>	66.98	
08 52 16 00-0526	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	419.29	26.45
			<i>For Tempered Clear Insulated Glass, Add</i>	73.36	
08 52 16 00-0527	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	364.44	27.23
			<i>For Tempered Clear Insulated Glass, Add</i>	62.00	
08 52 16 00-0528	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	391.50	28.59
			<i>For Tempered Clear Insulated Glass, Add</i>	66.86	
08 52 16 00-0529			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0530	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	320.55	22.56
			<i>For Tempered Clear Insulated Glass, Add</i>	55.09	
08 52 16 00-0531	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	361.64	23.72
			<i>For Tempered Clear Insulated Glass, Add</i>	62.92	
08 52 16 00-0532			48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0533	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	382.38	24.12
			<i>For Tempered Clear Insulated Glass, Add</i>	66.83	
08 52 16 00-0534	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	424.21	25.29
			<i>For Tempered Clear Insulated Glass, Add</i>	74.81	
08 52 16 00-0535	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	485.32	26.64
			<i>For Tempered Clear Insulated Glass, Add</i>	86.41	
08 52 16 00-0536			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0537	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	474.96	26.26
			<i>For Tempered Clear Insulated Glass, Add</i>	84.49	
08 52 16 00-0538	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	511.54	27.23
			<i>For Tempered Clear Insulated Glass, Add</i>	91.42	
08 52 16 00-0539			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0540	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	520.37	26.45
			<i>For Tempered Clear Insulated Glass, Add</i>	93.49	
08 52 16 00-0541	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	537.86	28.59
			<i>For Tempered Clear Insulated Glass, Add</i>	96.14	
08 52 16 00-0542	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	596.14	29.56
			<i>For Tempered Clear Insulated Glass, Add</i>	107.40	
08 52 16 00-0543	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	655.44	31.12
			<i>For Tempered Clear Insulated Glass, Add</i>	118.64	
08 52 16 00-0544			Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0460)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0545 17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)

08 52 16 00-0546	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	160.87	15.95
		<i>For Tempered Clear Insulated Glass, Add</i>	25.79	
08 52 16 00-0547	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	173.30	16.73
		<i>For Tempered Clear Insulated Glass, Add</i>	27.97	
08 52 16 00-0548	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	181.48	17.31
		<i>For Tempered Clear Insulated Glass, Add</i>	29.37	
08 52 16 00-0549	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	194.88	18.09
		<i>For Tempered Clear Insulated Glass, Add</i>	31.74	
08 52 16 00-0550	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	209.14	19.06
		<i>For Tempered Clear Insulated Glass, Add</i>	34.20	
08 52 16 00-0551	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	231.10	20.61
		<i>For Tempered Clear Insulated Glass, Add</i>	37.97	
08 52 16 00-0552	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	244.26	21.39
		<i>For Tempered Clear Insulated Glass, Add</i>	40.29	
08 52 16 00-0553	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	265.11	22.95
		<i>For Tempered Clear Insulated Glass, Add</i>	43.92	
08 52 16 00-0554	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	279.39	23.72
		<i>For Tempered Clear Insulated Glass, Add</i>	46.39	
08 52 16 00-0555	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	300.23	25.09
		<i>For Tempered Clear Insulated Glass, Add</i>	50.01	

08 52 16 00-0556 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)

08 52 16 00-0557	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	170.73	16.73
		<i>For Tempered Clear Insulated Glass, Add</i>	27.53	
08 52 16 00-0558	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	183.17	17.50
		<i>For Tempered Clear Insulated Glass, Add</i>	29.71	
08 52 16 00-0559	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	190.64	17.89
		<i>For Tempered Clear Insulated Glass, Add</i>	30.97	
08 52 16 00-0560	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	205.46	18.68
		<i>For Tempered Clear Insulated Glass, Add</i>	33.62	
08 52 16 00-0561	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	219.74	19.84
		<i>For Tempered Clear Insulated Glass, Add</i>	36.09	
08 52 16 00-0562	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	240.97	21.20
		<i>For Tempered Clear Insulated Glass, Add</i>	39.71	
08 52 16 00-0563	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	254.85	22.17
		<i>For Tempered Clear Insulated Glass, Add</i>	42.18	
08 52 16 00-0564	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	274.98	23.34
		<i>For Tempered Clear Insulated Glass, Add</i>	45.66	
08 52 16 00-0565	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	289.98	24.51
		<i>For Tempered Clear Insulated Glass, Add</i>	48.27	
08 52 16 00-0566	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	310.09	25.67
		<i>For Tempered Clear Insulated Glass, Add</i>	51.75	

08 52 16 00-0567 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)

08 52 16 00-0568	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	181.72	17.50
		<i>For Tempered Clear Insulated Glass, Add</i>	29.42	
08 52 16 00-0569	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	194.15	18.28
		<i>For Tempered Clear Insulated Glass, Add</i>	31.59	
08 52 16 00-0570	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	200.80	18.68
		<i>For Tempered Clear Insulated Glass, Add</i>	32.69	
08 52 16 00-0571	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	215.72	19.45
		<i>For Tempered Clear Insulated Glass, Add</i>	35.36	
08 52 16 00-0572	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	229.99	20.61
		<i>For Tempered Clear Insulated Glass, Add</i>	37.83	
08 52 16 00-0573	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	251.22	21.98
		<i>For Tempered Clear Insulated Glass, Add</i>	41.45	
08 52 16 00-0574	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	265.11	22.95
		<i>For Tempered Clear Insulated Glass, Add</i>	43.92	
08 52 16 00-0575	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	285.96	24.12
		<i>For Tempered Clear Insulated Glass, Add</i>	47.55	
08 52 16 00-0576	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	300.23	25.29
		<i>For Tempered Clear Insulated Glass, Add</i>	50.01	
08 52 16 00-0577	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	321.08	26.45
		<i>For Tempered Clear Insulated Glass, Add</i>	53.64	

08 52 16 00-0578 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)

08 52 16 00-0579	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	182.55	18.28
		<i>For Tempered Clear Insulated Glass, Add</i>	29.27	
08 52 16 00-0580	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	199.33	19.06
		<i>For Tempered Clear Insulated Glass, Add</i>	32.32	
08 52 16 00-0581	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	208.51	19.45
		<i>For Tempered Clear Insulated Glass, Add</i>	33.92	
08 52 16 00-0582	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	217.27	20.23
		<i>For Tempered Clear Insulated Glass, Add</i>	35.36	
08 52 16 00-0583	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	248.95	21.39
		<i>For Tempered Clear Insulated Glass, Add</i>	41.31	
08 52 16 00-0584	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	277.44	22.75
		<i>For Tempered Clear Insulated Glass, Add</i>	46.39	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0585	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	296.39 49.87	23.72
08 52 16 00-0586	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	324.49 54.94	24.89
08 52 16 00-0587	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	344.57 58.57	26.06
08 52 16 00-0588	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	372.66 63.64	27.23
08 52 16 00-0589			31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0590	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	208.51 33.92	19.45
08 52 16 00-0591	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	220.13 36.01	20.03
08 52 16 00-0592	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	235.83 38.84	20.81
08 52 16 00-0593	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	253.76 42.04	21.78
08 52 16 00-0594	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	279.62 46.59	23.34
08 52 16 00-0595	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	297.16 49.79	24.12
08 52 16 00-0596	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	322.64 54.34	25.67
08 52 16 00-0597	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	339.95 57.41	26.45
08 52 16 00-0598	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	365.43 61.96	27.81
08 52 16 00-0599			35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0600	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	235.83 38.84	20.81
08 52 16 00-0601	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	259.15 43.19	21.59
08 52 16 00-0602	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	278.50 46.68	22.56
08 52 16 00-0603	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	307.71 51.90	24.12
08 52 16 00-0604	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	326.67 55.38	24.89
08 52 16 00-0605	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	354.76 60.45	26.45
08 52 16 00-0606	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	374.11 63.93	27.23
08 52 16 00-0607	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	402.21 69.01	28.59
08 52 16 00-0608			Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0459)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0609			Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0608)</small>		
08 52 16 00-0610			17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0611	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	219.24 37.47	15.95
08 52 16 00-0612	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	235.29 40.37	16.73
08 52 16 00-0613	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	248.50 42.78	17.31
08 52 16 00-0614	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	265.20 45.80	18.09
08 52 16 00-0615	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	284.36 49.25	19.06
08 52 16 00-0616	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	313.76 54.51	20.61
08 52 16 00-0617	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	332.54 57.95	21.39
08 52 16 00-0618	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	359.73 62.84	22.95
08 52 16 00-0619	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	369.43 64.39	23.72
08 52 16 00-0620	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	396.31 69.23	25.09
08 52 16 00-0621			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0622	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	231.72 39.73	16.73



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0623	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	249.14 42.90	17.50
08 52 16 00-0624	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	260.43 44.93	17.89
08 52 16 00-0625	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	279.05 48.34	18.68
08 52 16 00-0626	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	298.22 51.79	19.84
08 52 16 00-0627	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	326.71 56.86	21.20
08 52 16 00-0628	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	345.48 60.31	22.17
08 52 16 00-0629	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	373.58 65.38	23.34
08 52 16 00-0630	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	382.23 66.72	24.51
08 52 16 00-0631	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	410.00 71.73	25.67
08 52 16 00-0632	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	645.22 117.76	28.40
08 52 16 00-0633 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>					
08 52 16 00-0634	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	247.33 42.54	17.50
08 52 16 00-0635	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	263.39 45.44	18.28
08 52 16 00-0636	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	274.28 47.39	18.68
08 52 16 00-0637	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	293.30 50.88	19.45
08 52 16 00-0638	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	312.46 54.32	20.61
08 52 16 00-0639	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	341.85 59.58	21.98
08 52 16 00-0640	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	360.63 63.02	22.95
08 52 16 00-0641	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	388.73 68.10	24.12
08 52 16 00-0642	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	396.31 69.23	25.29
08 52 16 00-0643	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	423.16 74.05	26.45
08 52 16 00-0644	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	679.82 124.37	29.17
08 52 16 00-0645 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>					
08 52 16 00-0646	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	246.17 42.00	18.28
08 52 16 00-0647	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	271.29 46.71	19.06
08 52 16 00-0648	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	287.37 49.69	19.45
08 52 16 00-0649	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	317.51 55.41	20.23
08 52 16 00-0650	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	347.55 61.03	21.39
08 52 16 00-0651	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	391.45 69.19	22.75
08 52 16 00-0652	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	420.18 74.62	23.72
08 52 16 00-0653	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	463.70 82.78	24.89
08 52 16 00-0654	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	479.30 85.51	26.06
08 52 16 00-0655	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	600.32 109.17	27.23
08 52 16 00-0656	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	698.36 127.77	29.95
08 52 16 00-0657 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>					
08 52 16 00-0658	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	287.37 49.69	19.45
08 52 16 00-0659	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	304.68 52.92	20.03
08 52 16 00-0660	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	328.52 57.38	20.81
08 52 16 00-0661	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	355.07 62.30	21.78
08 52 16 00-0662	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	393.53 69.37	23.34

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0663	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	420.45	24.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.44	
08 52 16 00-0664	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	458.53	25.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	81.51	
08 52 16 00-0665	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	485.07	26.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	86.43	
08 52 16 00-0666	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	523.91	27.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.66	
08 52 16 00-0667	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	746.26	30.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	137.12	
08 52 16 00-0668			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0669	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	328.52	20.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	57.38	
08 52 16 00-0670	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	362.83	21.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	63.93	
08 52 16 00-0671	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	392.87	22.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	69.55	
08 52 16 00-0672	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	436.76	24.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.71	
08 52 16 00-0673	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	466.41	24.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.32	
08 52 16 00-0674	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	509.01	26.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	91.30	
08 52 16 00-0675	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	439.96	27.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.10	
08 52 16 00-0676	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	473.11	28.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.19	
08 52 16 00-0677			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0678	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	385.49	22.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	68.46	
08 52 16 00-0679	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	439.48	24.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	78.25	
08 52 16 00-0680			48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0681	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	463.95	24.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.14	
08 52 16 00-0682	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	515.74	25.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.11	
08 52 16 00-0683	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	591.36	26.64
			<i>For Tempered Low-E Insulated Glass, Add</i>	107.61	
08 52 16 00-0684			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0685	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	578.60	26.26
			<i>For Tempered Low-E Insulated Glass, Add</i>	105.22	
08 52 16 00-0686	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	623.83	27.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	113.87	
08 52 16 00-0687			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0688	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	635.26	26.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	116.47	
08 52 16 00-0689	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	656.06	28.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.78	
08 52 16 00-0690	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	728.42	29.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.86	
08 52 16 00-0691	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	801.77	31.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	147.91	
08 52 16 00-0692			Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0608)</small>		
08 52 16 00-0693			17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0694	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	191.14	15.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	31.85	
08 52 16 00-0695	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	206.29	16.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	34.57	
08 52 16 00-0696	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	216.22	17.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	36.32	
08 52 16 00-0697	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	232.58	18.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	39.28	
08 52 16 00-0698	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	249.93	19.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	42.36	
08 52 16 00-0699	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	276.60	20.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	47.07	



Openings	08
Windows	08 50
Wood Windows	08 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0700	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	292.66 49.97	21.39
08 52 16 00-0701	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	318.04 54.51	22.95
08 52 16 00-0702	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	335.39 57.59	23.72
08 52 16 00-0703	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	360.77 62.12	25.09
08 52 16 00-0704			20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0705	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	203.18 34.02	16.73
08 52 16 00-0706	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	218.33 36.74	17.50
08 52 16 00-0707	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	227.38 38.32	17.89
08 52 16 00-0708	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	245.52 41.64	18.68
08 52 16 00-0709	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	262.88 44.72	19.84
08 52 16 00-0710	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	288.64 49.25	21.20
08 52 16 00-0711	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	305.60 52.33	22.17
08 52 16 00-0712	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	330.08 56.68	23.34
08 52 16 00-0713	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	348.34 59.94	24.51
08 52 16 00-0714	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	372.81 64.29	25.67
08 52 16 00-0715			24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0716	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	216.52 36.38	17.50
08 52 16 00-0717	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	231.67 39.10	18.28
08 52 16 00-0718	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	239.69 40.47	18.68
08 52 16 00-0719	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	257.96 43.81	19.45
08 52 16 00-0720	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	275.30 46.89	20.61
08 52 16 00-0721	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	301.07 51.42	21.98
08 52 16 00-0722	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	318.04 54.51	22.95
08 52 16 00-0723	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	343.41 59.04	24.12
08 52 16 00-0724	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	360.77 62.12	25.29
08 52 16 00-0725	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	386.15 66.65	26.45
08 52 16 00-0726			28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0727	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	217.17 36.20	18.28
08 52 16 00-0728	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	237.75 40.00	19.06
08 52 16 00-0729	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	248.94 42.01	19.45
08 52 16 00-0730	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	259.51 43.81	20.23
08 52 16 00-0731	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	298.61 51.24	21.39
08 52 16 00-0732	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	333.44 57.59	22.75
08 52 16 00-0733	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	356.74 61.94	23.72
08 52 16 00-0734	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	391.19 68.28	24.89
08 52 16 00-0735	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	415.80 72.81	26.06
08 52 16 00-0736	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	450.24 79.16	27.23
08 52 16 00-0737			31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0738	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	248.94 42.01	19.45

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0739 EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	263.18	20.03
<i>For Tempered Low-E Insulated Glass, Add</i>	44.62	
08 52 16 00-0740 EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	282.40	20.81
<i>For Tempered Low-E Insulated Glass, Add</i>	48.16	
08 52 16 00-0741 EA 40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	304.34	21.78
<i>For Tempered Low-E Insulated Glass, Add</i>	52.15	
08 52 16 00-0742 EA 48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	335.89	23.34
<i>For Tempered Low-E Insulated Glass, Add</i>	57.84	
08 52 16 00-0743 EA 52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	357.42	24.12
<i>For Tempered Low-E Insulated Glass, Add</i>	61.84	
08 52 16 00-0744 EA 59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	388.59	25.67
<i>For Tempered Low-E Insulated Glass, Add</i>	67.53	
08 52 16 00-0745 EA 64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	409.74	26.45
<i>For Tempered Low-E Insulated Glass, Add</i>	71.37	
08 52 16 00-0746 EA 71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	440.90	27.81
<i>For Tempered Low-E Insulated Glass, Add</i>	77.06	
08 52 16 00-0747 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)		
08 52 16 00-0748 EA 31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	282.40	20.81
<i>For Tempered Low-E Insulated Glass, Add</i>	48.16	
08 52 16 00-0749 EA 35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	311.18	21.59
<i>For Tempered Low-E Insulated Glass, Add</i>	53.60	
08 52 16 00-0750 EA 40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	334.87	22.56
<i>For Tempered Low-E Insulated Glass, Add</i>	57.95	
08 52 16 00-0751 EA 48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	370.60	24.12
<i>For Tempered Low-E Insulated Glass, Add</i>	64.47	
08 52 16 00-0752 EA 52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	393.91	24.89
<i>For Tempered Low-E Insulated Glass, Add</i>	68.82	
08 52 16 00-0753 EA 59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	428.35	26.45
<i>For Tempered Low-E Insulated Glass, Add</i>	75.17	
08 52 16 00-0754 EA 64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	452.05	27.23
<i>For Tempered Low-E Insulated Glass, Add</i>	79.52	
08 52 16 00-0755 EA 71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	486.49	28.59
<i>For Tempered Low-E Insulated Glass, Add</i>	85.86	
08 52 16 00-0756 Horizontal Sliding Wood Clad Windows (08 52 16)		
08 52 16 00-0757 One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0756)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0758 17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0759 EA 47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	226.96	20.61
<i>For Tempered Clear Insulated Glass, Add</i>	37.22	
08 52 16 00-0760 23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0761 EA 35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	208.52	19.06
<i>For Tempered Clear Insulated Glass, Add</i>	34.00	
08 52 16 00-0762 EA 47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	244.51	21.78
<i>For Tempered Clear Insulated Glass, Add</i>	40.27	
08 52 16 00-0763 35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0764 EA 35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	244.51	21.78
<i>For Tempered Clear Insulated Glass, Add</i>	40.27	
08 52 16 00-0765 EA 47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	280.49	24.12
<i>For Tempered Clear Insulated Glass, Add</i>	46.53	
08 52 16 00-0766 EA 59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	316.48	26.26
<i>For Tempered Clear Insulated Glass, Add</i>	52.79	
08 52 16 00-0767 EA 71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	352.47	28.59
<i>For Tempered Clear Insulated Glass, Add</i>	59.06	
08 52 16 00-0768 41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0769 EA 35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	262.95	22.95
<i>For Tempered Clear Insulated Glass, Add</i>	43.49	
08 52 16 00-0770 EA 47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	298.04	25.29
<i>For Tempered Clear Insulated Glass, Add</i>	49.57	
08 52 16 00-0771 EA 59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	334.03	27.43
<i>For Tempered Clear Insulated Glass, Add</i>	55.84	
08 52 16 00-0772 EA 71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	401.33	29.76
<i>For Tempered Clear Insulated Glass, Add</i>	68.36	
08 52 16 00-0773 47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0774	EA		35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	280.49 46.53	24.12
08 52 16 00-0775	EA		47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	316.48 52.79	26.45
08 52 16 00-0776	EA		59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	352.47 59.06	28.59
08 52 16 00-0777	EA		71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	388.45 65.32	30.92
08 52 16 00-0778			53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0779	EA		47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	334.03 55.84	27.62
08 52 16 00-0780	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	370.01 62.10	29.76
08 52 16 00-0781	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	406.00 68.36	32.09
08 52 16 00-0782			59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0783	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	352.47 59.06	28.78
08 52 16 00-0784	EA		59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	388.45 65.32	30.92
08 52 16 00-0785	EA		71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	424.50 71.60	33.26
08 52 16 00-0786			Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0756) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787			22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0788	EA		35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	522.51 96.80	19.06
08 52 16 00-0789	EA		47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	622.92 115.95	21.78
08 52 16 00-0790			35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0791	EA		35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	630.98 117.56	21.78
08 52 16 00-0792	EA		47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	732.28 136.89	24.12
08 52 16 00-0793	EA		59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	832.69 156.04	26.26
08 52 16 00-0794	EA		71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	933.11 175.19	28.59
08 52 16 00-0795			41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0796	EA		35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	681.63 127.22	22.95
08 52 16 00-0797	EA		47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	782.04 146.37	25.29
08 52 16 00-0798	EA		59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	883.35 165.70	27.43
08 52 16 00-0799	EA		71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	983.76 184.85	29.76
08 52 16 00-0800			47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0801	EA		35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	732.28 136.89	24.12
08 52 16 00-0802	EA		47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	832.69 156.04	26.45
08 52 16 00-0803	EA		59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	933.11 175.19	28.59
08 52 16 00-0804	EA		71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,034.41 194.51	30.92
08 52 16 00-0805			59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0806	EA		35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	832.69 156.04	26.45

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0807	EA		47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	933.11	28.78
			<i>For Tempered Low-E Insulated Glass, Add</i>	175.19	
08 52 16 00-0808	EA		59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,034.41	30.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	194.51	
08 52 16 00-0809	EA		71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,134.82	33.26
			<i>For Tempered Low-E Insulated Glass, Add</i>	213.66	
08 52 16 00-0810			Picture Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-0811			Picture Wood Clad Windows For Awning And Casement Windows <small>(08 52 16 00-0810)</small>		
08 52 16 00-0812			Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0811)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0813			12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0814	EA		40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	178.77	15.56
			<i>For Tempered Clear Insulated Glass, Add</i>	29.53	
08 52 16 00-0815	EA		48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	209.85	17.11
			<i>For Tempered Clear Insulated Glass, Add</i>	35.12	
08 52 16 00-0816	EA		52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	223.12	17.89
			<i>For Tempered Clear Insulated Glass, Add</i>	37.47	
08 52 16 00-0817	EA		59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	242.10	19.45
			<i>For Tempered Clear Insulated Glass, Add</i>	40.72	
08 52 16 00-0818	EA		64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	255.10	20.23
			<i>For Tempered Clear Insulated Glass, Add</i>	42.93	
08 52 16 00-0819	EA		71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	274.09	21.78
			<i>For Tempered Clear Insulated Glass, Add</i>	46.18	
08 52 16 00-0820			35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0821	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	197.42	19.06
			<i>For Tempered Clear Insulated Glass, Add</i>	31.86	
08 52 16 00-0822	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	229.46	20.23
			<i>For Tempered Clear Insulated Glass, Add</i>	37.88	
08 52 16 00-0823	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	276.62	21.59
			<i>For Tempered Clear Insulated Glass, Add</i>	46.69	
08 52 16 00-0824	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	307.53	22.37
			<i>For Tempered Clear Insulated Glass, Add</i>	52.56	
08 52 16 00-0825	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	353.57	23.72
			<i>For Tempered Clear Insulated Glass, Add</i>	61.22	
08 52 16 00-0826	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	385.61	24.70
			<i>For Tempered Clear Insulated Glass, Add</i>	67.24	
08 52 16 00-0827	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	578.46	26.06
			<i>For Tempered Clear Insulated Glass, Add</i>	105.27	
08 52 16 00-0828			40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0829	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	229.46	20.23
			<i>For Tempered Clear Insulated Glass, Add</i>	37.88	
08 52 16 00-0830	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	261.49	21.01
			<i>For Tempered Clear Insulated Glass, Add</i>	43.90	
08 52 16 00-0831	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	308.66	22.56
			<i>For Tempered Clear Insulated Glass, Add</i>	52.71	
08 52 16 00-0832	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	339.58	23.34
			<i>For Tempered Clear Insulated Glass, Add</i>	58.58	
08 52 16 00-0833	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	385.61	24.89
			<i>For Tempered Clear Insulated Glass, Add</i>	67.24	
08 52 16 00-0834	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	417.65	25.67
			<i>For Tempered Clear Insulated Glass, Add</i>	73.26	
08 52 16 00-0835	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	463.69	27.23
			<i>For Tempered Clear Insulated Glass, Add</i>	81.92	
08 52 16 00-0836			48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0837	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	276.62	21.78
			<i>For Tempered Clear Insulated Glass, Add</i>	46.69	
08 52 16 00-0838	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	308.66	22.56
			<i>For Tempered Clear Insulated Glass, Add</i>	52.71	
08 52 16 00-0839	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	355.81	24.12
			<i>For Tempered Clear Insulated Glass, Add</i>	61.52	
08 52 16 00-0840	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	386.74	24.89
			<i>For Tempered Clear Insulated Glass, Add</i>	67.39	
08 52 16 00-0841	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	432.77	26.45
			<i>For Tempered Clear Insulated Glass, Add</i>	76.05	
08 52 16 00-0842	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	464.81	27.23
			<i>For Tempered Clear Insulated Glass, Add</i>	82.07	
08 52 16 00-0843	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	510.85	28.78
			<i>For Tempered Clear Insulated Glass, Add</i>	90.73	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0844 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0845 EA 35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	307.53	22.56
For Tempered Clear Insulated Glass, Add	52.56	
08 52 16 00-0846 EA 40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	339.58	23.34
For Tempered Clear Insulated Glass, Add	58.58	
08 52 16 00-0847 EA 48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	386.74	24.89
For Tempered Clear Insulated Glass, Add	67.39	
08 52 16 00-0848 EA 52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	417.65	25.67
For Tempered Clear Insulated Glass, Add	73.26	
08 52 16 00-0849 EA 59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	463.69	27.23
For Tempered Clear Insulated Glass, Add	81.92	
08 52 16 00-0850 EA 64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	495.74	28.00
For Tempered Clear Insulated Glass, Add	87.94	
08 52 16 00-0851 EA 71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	585.07	29.56
For Tempered Clear Insulated Glass, Add	105.27	
08 52 16 00-0852 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0853 EA 35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	353.57	23.72
For Tempered Clear Insulated Glass, Add	61.22	
08 52 16 00-0854 EA 40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	385.61	24.89
For Tempered Clear Insulated Glass, Add	67.24	
08 52 16 00-0855 EA 48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	432.77	26.26
For Tempered Clear Insulated Glass, Add	76.05	
08 52 16 00-0856 EA 52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	463.69	27.03
For Tempered Clear Insulated Glass, Add	81.92	
08 52 16 00-0857 EA 59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	509.72	28.40
For Tempered Clear Insulated Glass, Add	90.59	
08 52 16 00-0858 EA 64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	541.76	29.37
For Tempered Clear Insulated Glass, Add	96.61	
08 52 16 00-0859 EA 71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	587.80	30.73
For Tempered Clear Insulated Glass, Add	105.27	
08 52 16 00-0860 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0861 EA 35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	385.61	24.89
For Tempered Clear Insulated Glass, Add	67.24	
08 52 16 00-0862 EA 40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	417.65	25.67
For Tempered Clear Insulated Glass, Add	73.26	
08 52 16 00-0863 EA 48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	464.81	27.23
For Tempered Clear Insulated Glass, Add	82.07	
08 52 16 00-0864 EA 52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	495.74	28.00
For Tempered Clear Insulated Glass, Add	87.94	
08 52 16 00-0865 EA 59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	585.07	29.56
For Tempered Clear Insulated Glass, Add	105.27	
08 52 16 00-0866 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0867 EA 35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	431.64	26.06
For Tempered Clear Insulated Glass, Add	75.90	
08 52 16 00-0868 EA 40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	463.69	27.23
For Tempered Clear Insulated Glass, Add	81.92	
08 52 16 00-0869 EA 48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	510.85	28.59
For Tempered Clear Insulated Glass, Add	90.73	
08 52 16 00-0870 EA 52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	541.76	29.37
For Tempered Clear Insulated Glass, Add	96.61	
08 52 16 00-0871 EA 59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	587.80	30.73
For Tempered Clear Insulated Glass, Add	105.27	
08 52 16 00-0872 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0811)</small>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0873 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0874 EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	213.41	15.56
For Tempered Low-E Insulated Glass, Add	36.46	
08 52 16 00-0875 EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	251.05	17.11
For Tempered Low-E Insulated Glass, Add	43.36	
08 52 16 00-0876 EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	267.06	17.89
For Tempered Low-E Insulated Glass, Add	46.25	
08 52 16 00-0877 EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	289.86	19.45
For Tempered Low-E Insulated Glass, Add	50.27	
08 52 16 00-0878 EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	305.45	20.23
For Tempered Low-E Insulated Glass, Add	53.00	
08 52 16 00-0879 EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	328.26	21.78
For Tempered Low-E Insulated Glass, Add	57.02	

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0880			35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0881	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	234.78	19.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	39.33	
08 52 16 00-0882	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	273.89	20.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	46.76	
08 52 16 00-0883	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	331.38	21.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	57.64	
08 52 16 00-0884	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	369.18	22.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	64.89	
08 52 16 00-0885	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	425.38	23.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	75.58	
08 52 16 00-0886	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	464.48	24.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.02	
08 52 16 00-0887	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	701.92	26.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	129.96	
08 52 16 00-0888			40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0889	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	273.89	20.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	46.76	
08 52 16 00-0890	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	312.98	21.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	54.20	
08 52 16 00-0891	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	370.47	22.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	65.07	
08 52 16 00-0892	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	408.29	23.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.32	
08 52 16 00-0893	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	464.48	24.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.02	
08 52 16 00-0894	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	503.57	25.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.45	
08 52 16 00-0895	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	559.77	27.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.14	
08 52 16 00-0896			48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0897	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	331.38	21.78
			<i>For Tempered Low-E Insulated Glass, Add</i>	57.64	
08 52 16 00-0898	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	370.47	22.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	65.07	
08 52 16 00-0899	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	427.96	24.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	75.95	
08 52 16 00-0900	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	465.77	24.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.20	
08 52 16 00-0901	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	521.96	26.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.89	
08 52 16 00-0902	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	561.07	27.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.32	
08 52 16 00-0903	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	617.26	28.78
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.02	
08 52 16 00-0904			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0905	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	369.18	22.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	64.89	
08 52 16 00-0906	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	408.29	23.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.32	
08 52 16 00-0907	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	465.77	24.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.20	
08 52 16 00-0908	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	503.57	25.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.45	
08 52 16 00-0909	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	559.77	27.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.14	
08 52 16 00-0910	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	598.88	28.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.57	
08 52 16 00-0911	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	708.53	29.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	129.96	
08 52 16 00-0912			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0913	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	425.38	23.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	75.58	
08 52 16 00-0914	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	464.48	24.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.02	
08 52 16 00-0915	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	521.96	26.26
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.89	
08 52 16 00-0916	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	559.77	27.03
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.14	
08 52 16 00-0917	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	615.96	28.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0918	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	655.06	29.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.27	
08 52 16 00-0919	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	711.26	30.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	129.96	
08 52 16 00-0920			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0921	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	464.48	24.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.02	
08 52 16 00-0922	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	503.57	25.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.45	
08 52 16 00-0923	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	561.07	27.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.32	
08 52 16 00-0924	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	598.88	28.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.57	
08 52 16 00-0925	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	708.53	29.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	129.96	
08 52 16 00-0926			71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0927	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	520.67	26.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.71	
08 52 16 00-0928	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	559.77	27.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.14	
08 52 16 00-0929	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	617.26	28.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.02	
08 52 16 00-0930	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	655.06	29.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.27	
08 52 16 00-0931	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	711.26	30.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	129.96	
08 52 16 00-0932			Picture Wood Clad Windows For Double Hung Windows <small>(08 52 16 00-0810)</small>		
08 52 16 00-0933			Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0932)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0934			35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0935	EA		56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	253.40	24.31
			<i>For Tempered Clear Insulated Glass, Add</i>	40.95	
08 52 16 00-0936	EA		59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	260.18	24.89
			<i>For Tempered Clear Insulated Glass, Add</i>	42.08	
08 52 16 00-0937			47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0938	EA		47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	260.18	24.89
			<i>For Tempered Clear Insulated Glass, Add</i>	42.08	
08 52 16 00-0939	EA		71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	316.10	29.56
			<i>For Tempered Clear Insulated Glass, Add</i>	51.39	
08 52 16 00-0940			53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0941	EA		56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	295.73	27.81
			<i>For Tempered Clear Insulated Glass, Add</i>	48.02	
08 52 16 00-0942	EA		59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	302.52	28.40
			<i>For Tempered Clear Insulated Glass, Add</i>	49.15	
08 52 16 00-0943			56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0944	EA		35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	253.40	24.51
			<i>For Tempered Clear Insulated Glass, Add</i>	40.95	
08 52 16 00-0945	EA		53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	295.73	27.81
			<i>For Tempered Clear Insulated Glass, Add</i>	48.02	
08 52 16 00-0946			59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0947	EA		35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	260.18	24.89
			<i>For Tempered Clear Insulated Glass, Add</i>	42.08	
08 52 16 00-0948	EA		53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	302.52	28.40
			<i>For Tempered Clear Insulated Glass, Add</i>	49.15	
08 52 16 00-0949	EA		59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	316.10	29.56
			<i>For Tempered Clear Insulated Glass, Add</i>	51.39	
08 52 16 00-0950	EA		65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	330.48	30.73
			<i>For Tempered Clear Insulated Glass, Add</i>	53.80	

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 52 16 00-0951	65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0952	EA 59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	330.48 53.80	30.73
08 52 16 00-0953	71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0954	EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	316.10 51.39	29.56
08 52 16 00-0955	Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0932) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956	48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0957	EA 12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	287.91 50.27	18.28
08 52 16 00-0958	EA 37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	403.63 71.47	23.34
08 52 16 00-0959	EA 41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	421.25 74.68	23.92
08 52 16 00-0960	EA 47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	447.68 79.50	25.09
08 52 16 00-0961	EA 51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	465.30 82.71	26.06
08 52 16 00-0962	EA 59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	501.34 89.30	27.43
08 52 16 00-0963	EA 67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	537.36 95.88	29.17
08 52 16 00-0964	52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0965	EA 12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	306.33 53.64	19.06
08 52 16 00-0966	EA 37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	421.25 74.68	24.12
08 52 16 00-0967	EA 41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	439.67 78.05	24.70
08 52 16 00-0968	EA 47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	465.30 82.71	25.86
08 52 16 00-0969	EA 51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	483.72 86.09	26.84
08 52 16 00-0970	EA 59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	519.75 92.67	28.20
08 52 16 00-0971	EA 67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	555.78 99.25	29.95
08 52 16 00-0972	56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0973	EA 12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	323.94 56.85	19.84
08 52 16 00-0974	EA 37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	439.67 78.05	24.89
08 52 16 00-0975	EA 41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	457.29 81.27	25.48
08 52 16 00-0976	EA 47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	483.72 86.09	26.64
08 52 16 00-0977	EA 51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	501.34 89.30	27.62
08 52 16 00-0978	EA 59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	537.36 95.88	28.98
08 52 16 00-0979	EA 67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	574.21 102.63	30.73
08 52 16 00-0980	60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0981	EA 12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	342.37 60.23	20.61
08 52 16 00-0982	EA 37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	457.29 81.27	25.67
08 52 16 00-0983	EA 41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	475.71 84.64	26.26
08 52 16 00-0984	EA 47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	501.34 89.30	27.43
08 52 16 00-0985	EA 51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	519.75 92.67	28.40



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0986	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	555.78 99.25	29.76
08 52 16 00-0987	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	591.83 105.84	31.51
08 52 16 00-0988			64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0985)</small>		
08 52 16 00-0989	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	359.99 63.44	21.39
08 52 16 00-0990	EA		37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	475.71 84.64	26.45
08 52 16 00-0991	EA		41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	494.13 88.01	27.03
08 52 16 00-0992	EA		47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	519.75 92.67	28.20
08 52 16 00-0993	EA		51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	537.36 95.88	29.17
08 52 16 00-0994	EA		59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	574.21 102.63	30.54
08 52 16 00-0995	EA		67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	610.24 109.21	32.28
08 52 16 00-0996			68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-0997	EA		12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	378.41 66.81	22.17
08 52 16 00-0998	EA		37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	494.13 88.01	27.23
08 52 16 00-0999	EA		41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	511.74 91.22	27.81
08 52 16 00-1000	EA		47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	537.36 95.88	28.98
08 52 16 00-1001	EA		51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	555.78 99.25	29.95
08 52 16 00-1002	EA		59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	591.83 105.84	31.31
08 52 16 00-1003	EA		67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	627.86 112.42	33.06
08 52 16 00-1004			72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-1005	EA		12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	396.02 70.02	22.95
08 52 16 00-1006	EA		37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	511.74 91.22	28.00
08 52 16 00-1007	EA		41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	530.17 94.60	28.59
08 52 16 00-1008	EA		47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	555.78 99.25	29.76
08 52 16 00-1009	EA		51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	574.21 102.63	30.73
08 52 16 00-1010	EA		59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	610.24 109.21	32.09
08 52 16 00-1011	EA		67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	646.28 115.80	33.84
08 52 16 00-1012			76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-1013	EA		12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	414.45 73.40	23.72
08 52 16 00-1014	EA		37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	530.17 94.60	28.78
08 52 16 00-1015	EA		41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	547.78 97.81	29.37
08 52 16 00-1016	EA		47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	574.21 102.63	30.54
08 52 16 00-1017	EA		51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	591.83 105.84	31.51
08 52 16 00-1018	EA		59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	627.86 112.42	32.87
08 52 16 00-1019	EA		67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	663.90 119.01	34.62
08 52 16 00-1020			Picture Wood Clad Windows For Horizontal Sliding Windows <small>(08 52 16 00-0810)</small>		
08 52 16 00-1021			Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1020)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 52 16 00-1022	35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1023	EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	253.40 40.95	24.31
08 52 16 00-1024	EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	260.18 42.08	24.89
08 52 16 00-1025	47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1026	EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	260.18 42.08	24.89
08 52 16 00-1027	EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	316.10 51.39	29.56
08 52 16 00-1028	53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1029	EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	295.73 48.02	27.81
08 52 16 00-1030	EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	302.52 49.15	28.40
08 52 16 00-1031	56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1032	EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	253.40 40.95	24.51
08 52 16 00-1033	EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	295.73 48.02	27.81
08 52 16 00-1034	59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1035	EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	260.18 42.08	24.89
08 52 16 00-1036	EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	302.52 49.15	28.40
08 52 16 00-1037	EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	316.10 51.39	29.56
08 52 16 00-1038	EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	330.48 53.80	30.73
08 52 16 00-1039	65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1040	EA 59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	330.48 53.80	30.73
08 52 16 00-1041	71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1042	EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	316.10 51.39	29.56
08 52 16 00-1043	Basement Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-1044	Basement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-1043)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045	EA 32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	132.53	15.56
08 52 16 00-1046	EA 32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	140.15	15.56
08 52 16 00-1047	EA 32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	146.85	15.56
08 52 16 00-1048	Factory Installed Grilles For Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-1049	Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1050	EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	19.82	
08 52 16 00-1051	EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	29.20	
08 52 16 00-1052	EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	39.63	
08 52 16 00-1053	EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	50.06	
08 52 16 00-1054	EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	70.92	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-1055	Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>	
08 52 16 00-1056	EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	31.70
08 52 16 00-1057	EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	46.72
08 52 16 00-1058	EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	63.41
08 52 16 00-1059	EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	80.09
08 52 16 00-1060	EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	113.47

08 52 16 00-1061	Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>	
08 52 16 00-1062	EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	38.04
08 52 16 00-1063	EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	56.07
08 52 16 00-1064	EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	76.09
08 52 16 00-1065	EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	96.11
08 52 16 00-1066	EA >36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	136.16

08 52 16 00-1067	Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>	
08 52 16 00-1068	EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	45.66
08 52 16 00-1069	EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	67.28
08 52 16 00-1070	EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	91.31
08 52 16 00-1071	EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	115.33
08 52 16 00-1072	EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	163.39

08 52 19 Wood Windows (08 52)

08 52 19 00-0001	Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19)</small>	
	Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.	

08 52 19 00-0002	30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>	
08 52 19 00-0003	EA 20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	195.69
	For Low-E Insulated Glass, Add	20.84
	For Aluminum Clad Exterior, Add	22.33
08 52 19 00-0004	EA 24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	208.58
	For Low-E Insulated Glass, Add	22.34
	For Aluminum Clad Exterior, Add	23.94
08 52 19 00-0005	EA 28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	222.55
	For Low-E Insulated Glass, Add	23.99
	For Aluminum Clad Exterior, Add	25.70
08 52 19 00-0006	EA 30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	230.06
	For Low-E Insulated Glass, Add	24.89
	For Aluminum Clad Exterior, Add	26.67
08 52 19 00-0007	EA 32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	236.51
	For Low-E Insulated Glass, Add	25.64
	For Aluminum Clad Exterior, Add	27.47
08 52 19 00-0008	EA 34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	245.09
	For Low-E Insulated Glass, Add	26.69
	For Aluminum Clad Exterior, Add	28.59
08 52 19 00-0009	EA 36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	248.36
	For Low-E Insulated Glass, Add	26.99
	For Aluminum Clad Exterior, Add	28.92
08 52 19 00-0010	EA 40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	265.49
	For Low-E Insulated Glass, Add	29.09
	For Aluminum Clad Exterior, Add	31.17
08 52 19 00-0011	EA 44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	279.45
	For Low-E Insulated Glass, Add	30.74
	For Aluminum Clad Exterior, Add	32.93

08 52 19 00-0012	34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>	
08 52 19 00-0013	EA 20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	208.58
	For Low-E Insulated Glass, Add	22.34
	For Aluminum Clad Exterior, Add	23.94
08 52 19 00-0014	EA 24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	222.55
	For Low-E Insulated Glass, Add	23.99
	For Aluminum Clad Exterior, Add	25.70
08 52 19 00-0015	EA 28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	235.42
	For Low-E Insulated Glass, Add	25.64
	For Aluminum Clad Exterior, Add	27.47

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 19 00-0016	EA	30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	245.09	
		<i>For Low-E Insulated Glass, Add</i>	26.69	
		<i>For Aluminum Clad Exterior, Add</i>	28.59	
08 52 19 00-0017	EA	32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	251.54	
		<i>For Low-E Insulated Glass, Add</i>	27.44	
		<i>For Aluminum Clad Exterior, Add</i>	29.40	
08 52 19 00-0018	EA	34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	259.05	
		<i>For Low-E Insulated Glass, Add</i>	28.34	
		<i>For Aluminum Clad Exterior, Add</i>	30.36	
08 52 19 00-0019	EA	36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	265.49	
		<i>For Low-E Insulated Glass, Add</i>	29.09	
		<i>For Aluminum Clad Exterior, Add</i>	31.17	
08 52 19 00-0020	EA	40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	279.45	
		<i>For Low-E Insulated Glass, Add</i>	30.74	
		<i>For Aluminum Clad Exterior, Add</i>	32.93	
08 52 19 00-0021	EA	44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	293.41	
		<i>For Low-E Insulated Glass, Add</i>	32.39	
		<i>For Aluminum Clad Exterior, Add</i>	34.70	
08 52 19 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows				
<small>(08 52 19 00-0001)</small>				
08 52 19 00-0023	EA	20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	215.56	
		<i>For Low-E Insulated Glass, Add</i>	23.24	
		<i>For Aluminum Clad Exterior, Add</i>	24.90	
08 52 19 00-0024	EA	24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	229.52	
		<i>For Low-E Insulated Glass, Add</i>	24.89	
		<i>For Aluminum Clad Exterior, Add</i>	26.67	
08 52 19 00-0025	EA	28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	244.54	
		<i>For Low-E Insulated Glass, Add</i>	26.69	
		<i>For Aluminum Clad Exterior, Add</i>	28.59	
08 52 19 00-0026	EA	30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	250.99	
		<i>For Low-E Insulated Glass, Add</i>	27.44	
		<i>For Aluminum Clad Exterior, Add</i>	29.40	
08 52 19 00-0027	EA	32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	258.50	
		<i>For Low-E Insulated Glass, Add</i>	28.34	
		<i>For Aluminum Clad Exterior, Add</i>	30.36	
08 52 19 00-0028	EA	34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	264.95	
		<i>For Low-E Insulated Glass, Add</i>	29.09	
		<i>For Aluminum Clad Exterior, Add</i>	31.17	
08 52 19 00-0029	EA	36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	272.46	
		<i>For Low-E Insulated Glass, Add</i>	29.99	
		<i>For Aluminum Clad Exterior, Add</i>	32.13	
08 52 19 00-0030	EA	40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	285.35	
		<i>For Low-E Insulated Glass, Add</i>	31.49	
		<i>For Aluminum Clad Exterior, Add</i>	33.74	
08 52 19 00-0031	EA	44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	299.31	
		<i>For Low-E Insulated Glass, Add</i>	33.14	
		<i>For Aluminum Clad Exterior, Add</i>	35.50	
08 52 19 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows				
<small>(08 52 19 00-0001)</small>				
08 52 19 00-0033	EA	20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	223.10	
		<i>For Low-E Insulated Glass, Add</i>	23.99	
		<i>For Aluminum Clad Exterior, Add</i>	25.70	
08 52 19 00-0034	EA	24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	237.05	
		<i>For Low-E Insulated Glass, Add</i>	25.64	
		<i>For Aluminum Clad Exterior, Add</i>	27.47	
08 52 19 00-0035	EA	28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	252.08	
		<i>For Low-E Insulated Glass, Add</i>	27.44	
		<i>For Aluminum Clad Exterior, Add</i>	29.40	
08 52 19 00-0036	EA	30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	259.59	
		<i>For Low-E Insulated Glass, Add</i>	28.34	
		<i>For Aluminum Clad Exterior, Add</i>	30.36	
08 52 19 00-0037	EA	32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	266.04	
		<i>For Low-E Insulated Glass, Add</i>	29.09	
		<i>For Aluminum Clad Exterior, Add</i>	31.17	
08 52 19 00-0038	EA	34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	273.55	
		<i>For Low-E Insulated Glass, Add</i>	29.99	
		<i>For Aluminum Clad Exterior, Add</i>	32.13	
08 52 19 00-0039	EA	36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	280.00	
		<i>For Low-E Insulated Glass, Add</i>	30.74	
		<i>For Aluminum Clad Exterior, Add</i>	32.93	
08 52 19 00-0040	EA	40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	293.96	
		<i>For Low-E Insulated Glass, Add</i>	32.39	
		<i>For Aluminum Clad Exterior, Add</i>	34.70	
08 52 19 00-0041	EA	44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	307.92	
		<i>For Low-E Insulated Glass, Add</i>	34.04	
		<i>For Aluminum Clad Exterior, Add</i>	36.47	
08 52 19 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows				
<small>(08 52 19 00-0001)</small>				
08 52 19 00-0043	EA	20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	251.54	
		<i>For Low-E Insulated Glass, Add</i>	27.44	
		<i>For Aluminum Clad Exterior, Add</i>	29.40	
08 52 19 00-0044	EA	24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	265.49	
		<i>For Low-E Insulated Glass, Add</i>	29.09	
		<i>For Aluminum Clad Exterior, Add</i>	31.17	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0045 EA 28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	279.45	
<i>For Low-E Insulated Glass, Add</i>	30.74	
<i>For Aluminum Clad Exterior, Add</i>	32.93	
08 52 19 00-0046 EA 30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	285.89	
<i>For Low-E Insulated Glass, Add</i>	31.49	
<i>For Aluminum Clad Exterior, Add</i>	33.74	
08 52 19 00-0047 EA 32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	293.41	
<i>For Low-E Insulated Glass, Add</i>	32.39	
<i>For Aluminum Clad Exterior, Add</i>	34.70	
08 52 19 00-0048 EA 34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	299.85	
<i>For Low-E Insulated Glass, Add</i>	33.14	
<i>For Aluminum Clad Exterior, Add</i>	35.50	
08 52 19 00-0049 EA 36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	307.37	
<i>For Low-E Insulated Glass, Add</i>	34.04	
<i>For Aluminum Clad Exterior, Add</i>	36.47	
08 52 19 00-0050 EA 40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	321.33	
<i>For Low-E Insulated Glass, Add</i>	35.68	
<i>For Aluminum Clad Exterior, Add</i>	38.23	
08 52 19 00-0051 EA 44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	336.36	
<i>For Low-E Insulated Glass, Add</i>	37.48	
<i>For Aluminum Clad Exterior, Add</i>	40.16	
08 52 19 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 19 00-0001)</small>		
08 52 19 00-0053 EA 20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	258.50	
<i>For Low-E Insulated Glass, Add</i>	28.34	
<i>For Aluminum Clad Exterior, Add</i>	30.36	
08 52 19 00-0054 EA 24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	272.46	
<i>For Low-E Insulated Glass, Add</i>	29.99	
<i>For Aluminum Clad Exterior, Add</i>	32.13	
08 52 19 00-0055 EA 28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	285.35	
<i>For Low-E Insulated Glass, Add</i>	31.49	
<i>For Aluminum Clad Exterior, Add</i>	33.74	
08 52 19 00-0056 EA 30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	292.86	
<i>For Low-E Insulated Glass, Add</i>	32.39	
<i>For Aluminum Clad Exterior, Add</i>	34.70	
08 52 19 00-0057 EA 32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	299.31	
<i>For Low-E Insulated Glass, Add</i>	33.14	
<i>For Aluminum Clad Exterior, Add</i>	35.50	
08 52 19 00-0058 EA 34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	306.82	
<i>For Low-E Insulated Glass, Add</i>	34.04	
<i>For Aluminum Clad Exterior, Add</i>	36.47	
08 52 19 00-0059 EA 36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	313.27	
<i>For Low-E Insulated Glass, Add</i>	34.78	
<i>For Aluminum Clad Exterior, Add</i>	37.27	
08 52 19 00-0060 EA 40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	328.31	
<i>For Low-E Insulated Glass, Add</i>	36.58	
<i>For Aluminum Clad Exterior, Add</i>	39.20	
08 52 19 00-0061 EA 44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	342.26	
<i>For Low-E Insulated Glass, Add</i>	38.23	
<i>For Aluminum Clad Exterior, Add</i>	40.97	
08 52 19 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 19 00-0001)</small>		
08 52 19 00-0063 EA 20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	266.04	
<i>For Low-E Insulated Glass, Add</i>	29.09	
<i>For Aluminum Clad Exterior, Add</i>	31.17	
08 52 19 00-0064 EA 24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	280.00	
<i>For Low-E Insulated Glass, Add</i>	30.74	
<i>For Aluminum Clad Exterior, Add</i>	32.93	
08 52 19 00-0065 EA 28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	293.96	
<i>For Low-E Insulated Glass, Add</i>	32.39	
<i>For Aluminum Clad Exterior, Add</i>	34.70	
08 52 19 00-0066 EA 30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	300.39	
<i>For Low-E Insulated Glass, Add</i>	33.14	
<i>For Aluminum Clad Exterior, Add</i>	35.50	
08 52 19 00-0067 EA 32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	307.92	
<i>For Low-E Insulated Glass, Add</i>	34.04	
<i>For Aluminum Clad Exterior, Add</i>	36.47	
08 52 19 00-0068 EA 34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	314.35	
<i>For Low-E Insulated Glass, Add</i>	34.78	
<i>For Aluminum Clad Exterior, Add</i>	37.27	
08 52 19 00-0069 EA 36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	321.88	
<i>For Low-E Insulated Glass, Add</i>	35.68	
<i>For Aluminum Clad Exterior, Add</i>	38.23	
08 52 19 00-0070 EA 40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	336.90	
<i>For Low-E Insulated Glass, Add</i>	37.48	
<i>For Aluminum Clad Exterior, Add</i>	40.16	
08 52 19 00-0071 EA 44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	350.86	
<i>For Low-E Insulated Glass, Add</i>	39.13	
<i>For Aluminum Clad Exterior, Add</i>	41.93	
08 52 19 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 19 00-0001)</small>		
08 52 19 00-0073 EA 20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	280.00	
<i>For Low-E Insulated Glass, Add</i>	30.74	
<i>For Aluminum Clad Exterior, Add</i>	32.93	

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 19 00-0074	EA 24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	293.96
	<i>For Low-E Insulated Glass, Add</i>	32.39
	<i>For Aluminum Clad Exterior, Add</i>	34.70
08 52 19 00-0075	EA 28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	307.92
	<i>For Low-E Insulated Glass, Add</i>	34.04
	<i>For Aluminum Clad Exterior, Add</i>	36.47
08 52 19 00-0076	EA 30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	314.35
	<i>For Low-E Insulated Glass, Add</i>	34.78
	<i>For Aluminum Clad Exterior, Add</i>	37.27
08 52 19 00-0077	EA 32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	321.88
	<i>For Low-E Insulated Glass, Add</i>	35.68
	<i>For Aluminum Clad Exterior, Add</i>	38.23
08 52 19 00-0078	EA 34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	329.39
	<i>For Low-E Insulated Glass, Add</i>	36.58
	<i>For Aluminum Clad Exterior, Add</i>	39.20
08 52 19 00-0079	EA 36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	336.90
	<i>For Low-E Insulated Glass, Add</i>	37.48
	<i>For Aluminum Clad Exterior, Add</i>	40.16
08 52 19 00-0080	EA 40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	350.86
	<i>For Low-E Insulated Glass, Add</i>	39.13
	<i>For Aluminum Clad Exterior, Add</i>	41.93
08 52 19 00-0081	EA 44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	364.82
	<i>For Low-E Insulated Glass, Add</i>	40.78
	<i>For Aluminum Clad Exterior, Add</i>	43.70

08 52 19 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 19 00-0001)

08 52 19 00-0083	EA 20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	293.41
	<i>For Low-E Insulated Glass, Add</i>	32.39
	<i>For Aluminum Clad Exterior, Add</i>	34.70
08 52 19 00-0084	EA 24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	307.37
	<i>For Low-E Insulated Glass, Add</i>	34.04
	<i>For Aluminum Clad Exterior, Add</i>	36.47
08 52 19 00-0085	EA 28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	321.33
	<i>For Low-E Insulated Glass, Add</i>	35.68
	<i>For Aluminum Clad Exterior, Add</i>	38.23
08 52 19 00-0086	EA 30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	328.84
	<i>For Low-E Insulated Glass, Add</i>	36.58
	<i>For Aluminum Clad Exterior, Add</i>	39.20
08 52 19 00-0087	EA 32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	336.36
	<i>For Low-E Insulated Glass, Add</i>	37.48
	<i>For Aluminum Clad Exterior, Add</i>	40.16
08 52 19 00-0088	EA 34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	342.80
	<i>For Low-E Insulated Glass, Add</i>	38.23
	<i>For Aluminum Clad Exterior, Add</i>	40.97
08 52 19 00-0089	EA 36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	350.31
	<i>For Low-E Insulated Glass, Add</i>	39.13
	<i>For Aluminum Clad Exterior, Add</i>	41.93
08 52 19 00-0090	EA 40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	364.27
	<i>For Low-E Insulated Glass, Add</i>	40.78
	<i>For Aluminum Clad Exterior, Add</i>	43.70
08 52 19 00-0091	EA 44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	377.16
	<i>For Low-E Insulated Glass, Add</i>	42.28
	<i>For Aluminum Clad Exterior, Add</i>	45.30

08 52 19 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 19 00-0001)

08 52 19 00-0093	EA 20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	299.31
	<i>For Low-E Insulated Glass, Add</i>	33.14
	<i>For Aluminum Clad Exterior, Add</i>	35.50
08 52 19 00-0094	EA 24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	313.27
	<i>For Low-E Insulated Glass, Add</i>	34.78
	<i>For Aluminum Clad Exterior, Add</i>	37.27
08 52 19 00-0095	EA 28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	328.31
	<i>For Low-E Insulated Glass, Add</i>	36.58
	<i>For Aluminum Clad Exterior, Add</i>	39.20
08 52 19 00-0096	EA 30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	335.81
	<i>For Low-E Insulated Glass, Add</i>	37.48
	<i>For Aluminum Clad Exterior, Add</i>	40.16
08 52 19 00-0097	EA 32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	342.26
	<i>For Low-E Insulated Glass, Add</i>	38.23
	<i>For Aluminum Clad Exterior, Add</i>	40.97
08 52 19 00-0098	EA 34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	349.77
	<i>For Low-E Insulated Glass, Add</i>	39.13
	<i>For Aluminum Clad Exterior, Add</i>	41.93
08 52 19 00-0099	EA 36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	356.22
	<i>For Low-E Insulated Glass, Add</i>	39.88
	<i>For Aluminum Clad Exterior, Add</i>	42.73
08 52 19 00-0100	EA 40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	370.18
	<i>For Low-E Insulated Glass, Add</i>	41.53
	<i>For Aluminum Clad Exterior, Add</i>	44.50
08 52 19 00-0101	EA 44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	384.14
	<i>For Low-E Insulated Glass, Add</i>	43.18
	<i>For Aluminum Clad Exterior, Add</i>	46.27

08 52 19 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 19 00-0001)



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0103	EA		20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	307.92 34.04 36.47	
08 52 19 00-0104	EA		24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	321.88 35.68 38.23	
08 52 19 00-0105	EA		28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	336.90 37.48 40.16	
08 52 19 00-0106	EA		30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	343.35 38.23 40.97	
08 52 19 00-0107	EA		32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	350.86 39.13 41.93	
08 52 19 00-0108	EA		34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	357.31 39.88 42.73	
08 52 19 00-0109	EA		36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	364.82 40.78 43.70	
08 52 19 00-0110	EA		40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	377.71 42.28 45.30	
08 52 19 00-0111	EA		44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	391.67 43.93 47.07	
08 52 19 00-0112			66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0113	EA		20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	321.88 35.68 38.23	
08 52 19 00-0114	EA		24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	336.90 37.48 40.16	
08 52 19 00-0115	EA		28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	350.86 39.13 41.93	
08 52 19 00-0116	EA		30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	357.31 39.88 42.73	
08 52 19 00-0117	EA		32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	364.82 40.78 43.70	
08 52 19 00-0118	EA		34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	371.26 41.53 44.50	
08 52 19 00-0119	EA		36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	377.71 42.28 45.30	
08 52 19 00-0120	EA		40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	391.67 43.93 47.07	
08 52 19 00-0121	EA		44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	405.63 45.58 48.84	
08 52 19 00-0122			70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0123	EA		20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	336.36 37.48 40.16	
08 52 19 00-0124	EA		24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	350.31 39.13 41.93	
08 52 19 00-0125	EA		28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	364.27 40.78 43.70	
08 52 19 00-0126	EA		30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	370.72 41.53 44.50	
08 52 19 00-0127	EA		32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	377.16 42.28 45.30	
08 52 19 00-0128	EA		34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	387.86 43.63 46.74	
08 52 19 00-0129	EA		36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	392.24 44.09 47.24	
08 52 19 00-0130	EA		40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	405.08 45.58 48.84	
08 52 19 00-0131	EA		44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	420.12 47.38 50.76	

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0132			74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0133	EA		20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	350.86	
			<i>For Low-E Insulated Glass, Add</i>	39.13	
			<i>For Aluminum Clad Exterior, Add</i>	41.93	
08 52 19 00-0134	EA		24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	364.82	
			<i>For Low-E Insulated Glass, Add</i>	40.78	
			<i>For Aluminum Clad Exterior, Add</i>	43.70	
08 52 19 00-0135	EA		28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	377.71	
			<i>For Low-E Insulated Glass, Add</i>	42.28	
			<i>For Aluminum Clad Exterior, Add</i>	45.30	
08 52 19 00-0136	EA		30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	385.22	
			<i>For Low-E Insulated Glass, Add</i>	43.18	
			<i>For Aluminum Clad Exterior, Add</i>	46.27	
08 52 19 00-0137	EA		32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	391.67	
			<i>For Low-E Insulated Glass, Add</i>	43.93	
			<i>For Aluminum Clad Exterior, Add</i>	47.07	
08 52 19 00-0138	EA		34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	399.18	
			<i>For Low-E Insulated Glass, Add</i>	44.83	
			<i>For Aluminum Clad Exterior, Add</i>	48.03	
08 52 19 00-0139	EA		36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	405.63	
			<i>For Low-E Insulated Glass, Add</i>	45.58	
			<i>For Aluminum Clad Exterior, Add</i>	48.84	
08 52 19 00-0140	EA		40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	420.66	
			<i>For Low-E Insulated Glass, Add</i>	47.38	
			<i>For Aluminum Clad Exterior, Add</i>	50.76	
08 52 19 00-0141	EA		44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	434.62	
			<i>For Low-E Insulated Glass, Add</i>	49.03	
			<i>For Aluminum Clad Exterior, Add</i>	52.53	
08 52 19 00-0142			78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0143	EA		20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	367.00	
			<i>For Low-E Insulated Glass, Add</i>	40.78	
			<i>For Aluminum Clad Exterior, Add</i>	43.70	
08 52 19 00-0144	EA		24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	379.89	
			<i>For Low-E Insulated Glass, Add</i>	42.28	
			<i>For Aluminum Clad Exterior, Add</i>	45.30	
08 52 19 00-0145	EA		28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	393.85	
			<i>For Low-E Insulated Glass, Add</i>	43.93	
			<i>For Aluminum Clad Exterior, Add</i>	47.07	
08 52 19 00-0146	EA		30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	401.36	
			<i>For Low-E Insulated Glass, Add</i>	44.83	
			<i>For Aluminum Clad Exterior, Add</i>	48.03	
08 52 19 00-0147	EA		32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	407.80	
			<i>For Low-E Insulated Glass, Add</i>	45.58	
			<i>For Aluminum Clad Exterior, Add</i>	48.84	
08 52 19 00-0148	EA		34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	415.32	
			<i>For Low-E Insulated Glass, Add</i>	46.48	
			<i>For Aluminum Clad Exterior, Add</i>	49.80	
08 52 19 00-0149	EA		36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	422.84	
			<i>For Low-E Insulated Glass, Add</i>	47.38	
			<i>For Aluminum Clad Exterior, Add</i>	50.76	
08 52 19 00-0150	EA		40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	436.79	
			<i>For Low-E Insulated Glass, Add</i>	49.03	
			<i>For Aluminum Clad Exterior, Add</i>	52.53	
08 52 19 00-0151	EA		44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	450.75	
			<i>For Low-E Insulated Glass, Add</i>	50.68	
			<i>For Aluminum Clad Exterior, Add</i>	54.30	
08 52 19 00-0152			Commercial And Institutional Heavy Double Hung Windows <small>(08 52 19)</small> Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 19 00-0153	SF		Up To 21 SF Double Hung Wood Window With True Divided Lite	55.92	4.87
			<i>For Insulating Glass, Add</i>	3.93	
08 52 19 00-0154	SF		21 To 40 SF Double Hung Wood Window With True Divided Lite	52.18	5.40
			<i>For Insulating Glass, Add</i>	3.52	
08 52 19 00-0155	SF		40 SF And Over Double Hung Wood Window With True Divided Lite	48.56	6.06
			<i>For Insulating Glass, Add</i>	3.09	
08 52 19 00-0156			Architectural And Historic Reproduction Wood Windows <small>(08 52 19)</small> Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting. Excludes arched or radiused windows.		
08 52 19 00-0157	SF		Up To 21 SF Architectural And Historic Reproduction Wood Window	60.79	4.86
			<i>For Insulating Glass, Add</i>	4.34	
08 52 19 00-0158	SF		21 To 40 SF Architectural And Historic Reproduction Wood Window	54.80	5.40
			<i>For Insulating Glass, Add</i>	3.74	
08 52 19 00-0159	SF		40 SF And Over Architectural And Historic Reproduction Wood Window	50.10	6.06
			<i>For Insulating Glass, Add</i>	3.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 19 00-0160 Removal And Reinstallation Of Wood Window And Frame (08 52 19)
 Note: Includes storage, cleaning and supply materials.

08 52 19 00-0161	SF	Removal And Reinstallation Of Wood Windows And Frames.....	12.35	
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08 52 66 Wood Window Screens (08 52)

08 52 66 00-0001 Insect Screens For Wood Clad Windows (08 52 66)

08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows	21.39	2.60
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows	26.01	2.60
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows.....	28.33	2.60
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows.....	32.95	2.60
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows.....	42.20	2.60
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows.....	46.83	2.60
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows.....	51.46	2.60
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows.....	56.08	2.60
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows.....	1.72	0.05

08 53 Plastic Windows (08 50)

08 53 13 Vinyl Windows (08 53)

08 53 13 00-0001 Single Hung Vinyl Windows (08 53 13)

08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0001)

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	129.94	17.89
		For Colored Vinyl, Add	9.42	
		For Low-E Insulated Glass, Add	23.54	
		For Tinted Glass, Add	11.30	
		For Obscure Glass, Add	25.89	
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	136.73	18.68
		For Colored Vinyl, Add	9.94	
		For Low-E Insulated Glass, Add	24.85	
		For Tinted Glass, Add	11.93	
		For Obscure Glass, Add	27.33	
08 53 13 00-0006	EA	30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	139.54	19.06
		For Colored Vinyl, Add	10.14	
		For Low-E Insulated Glass, Add	25.36	
		For Tinted Glass, Add	12.17	
		For Obscure Glass, Add	27.89	
08 53 13 00-0007	EA	32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	142.61	19.45
		For Colored Vinyl, Add	10.37	
		For Low-E Insulated Glass, Add	25.93	
		For Tinted Glass, Add	12.45	
		For Obscure Glass, Add	28.52	
08 53 13 00-0008	EA	36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	150.57	20.23
		For Colored Vinyl, Add	11.01	
		For Low-E Insulated Glass, Add	27.53	
		For Tinted Glass, Add	13.21	
		For Obscure Glass, Add	30.28	
08 53 13 00-0009	EA	44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	163.39	21.78
		For Colored Vinyl, Add	11.98	
		For Low-E Insulated Glass, Add	29.96	
		For Tinted Glass, Add	14.38	
		For Obscure Glass, Add	32.95	

08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

08 53 13 00-0011	EA	24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	132.55	18.28
		For Colored Vinyl, Add	9.60	
		For Low-E Insulated Glass, Add	24.00	
		For Tinted Glass, Add	11.52	
		For Obscure Glass, Add	26.40	
08 53 13 00-0012	EA	28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	139.36	18.68
		For Colored Vinyl, Add	10.12	
		For Low-E Insulated Glass, Add	25.31	
		For Tinted Glass, Add	12.15	
		For Obscure Glass, Add	27.84	
08 53 13 00-0013	EA	30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	142.17	19.45
		For Colored Vinyl, Add	10.33	
		For Low-E Insulated Glass, Add	25.82	
		For Tinted Glass, Add	12.39	
		For Obscure Glass, Add	28.40	
08 53 13 00-0014	EA	32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	145.23	19.84
		For Colored Vinyl, Add	10.56	
		For Low-E Insulated Glass, Add	26.39	
		For Tinted Glass, Add	12.67	
		For Obscure Glass, Add	29.03	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0015	EA 36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	153.20	20.61
	For Colored Vinyl, Add	11.20	
	For Low-E Insulated Glass, Add	27.99	
	For Tinted Glass, Add	13.44	
	For Obscure Glass, Add	30.79	
08 53 13 00-0016	EA 44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	166.02	22.17
	For Colored Vinyl, Add	12.17	
	For Low-E Insulated Glass, Add	30.42	
	For Tinted Glass, Add	14.60	
	For Obscure Glass, Add	33.46	
08 53 13 00-0017	38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0018	EA 24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	135.09	18.68
	For Colored Vinyl, Add	9.78	
	For Low-E Insulated Glass, Add	24.44	
	For Tinted Glass, Add	11.73	
	For Obscure Glass, Add	26.88	
08 53 13 00-0019	EA 28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	141.90	19.45
	For Colored Vinyl, Add	10.30	
	For Low-E Insulated Glass, Add	25.75	
	For Tinted Glass, Add	12.36	
	For Obscure Glass, Add	28.33	
08 53 13 00-0020	EA 30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	144.81	19.84
	For Colored Vinyl, Add	10.51	
	For Low-E Insulated Glass, Add	26.29	
	For Tinted Glass, Add	12.62	
	For Obscure Glass, Add	28.91	
08 53 13 00-0021	EA 32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	147.88	20.23
	For Colored Vinyl, Add	10.74	
	For Low-E Insulated Glass, Add	26.86	
	For Tinted Glass, Add	12.89	
	For Obscure Glass, Add	29.54	
08 53 13 00-0022	EA 36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	155.98	21.01
	For Colored Vinyl, Add	11.40	
	For Low-E Insulated Glass, Add	28.50	
	For Tinted Glass, Add	13.68	
	For Obscure Glass, Add	31.34	
08 53 13 00-0023	EA 44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	168.98	22.56
	For Colored Vinyl, Add	12.39	
	For Low-E Insulated Glass, Add	30.97	
	For Tinted Glass, Add	14.86	
	For Obscure Glass, Add	34.06	
08 53 13 00-0024	44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0025	EA 24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	142.86	19.84
	For Colored Vinyl, Add	10.32	
	For Low-E Insulated Glass, Add	25.80	
	For Tinted Glass, Add	12.38	
	For Obscure Glass, Add	28.38	
08 53 13 00-0026	EA 28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	149.67	20.61
	For Colored Vinyl, Add	10.84	
	For Low-E Insulated Glass, Add	27.11	
	For Tinted Glass, Add	13.01	
	For Obscure Glass, Add	29.82	
08 53 13 00-0027	EA 30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	152.97	21.01
	For Colored Vinyl, Add	11.10	
	For Low-E Insulated Glass, Add	27.74	
	For Tinted Glass, Add	13.32	
	For Obscure Glass, Add	30.52	
08 53 13 00-0028	EA 32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	156.05	21.39
	For Colored Vinyl, Add	11.33	
	For Low-E Insulated Glass, Add	28.32	
	For Tinted Glass, Add	13.59	
	For Obscure Glass, Add	31.15	
08 53 13 00-0029	EA 36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	164.54	22.17
	For Colored Vinyl, Add	12.02	
	For Low-E Insulated Glass, Add	30.05	
	For Tinted Glass, Add	14.42	
	For Obscure Glass, Add	33.05	
08 53 13 00-0030	EA 44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	178.01	23.72
	For Colored Vinyl, Add	13.06	
	For Low-E Insulated Glass, Add	32.64	
	For Tinted Glass, Add	15.67	
	For Obscure Glass, Add	35.90	
08 53 13 00-0031	46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0032	EA 24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	145.49	20.23
	For Colored Vinyl, Add	10.50	
	For Low-E Insulated Glass, Add	26.26	
	For Tinted Glass, Add	12.60	
	For Obscure Glass, Add	28.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0033	EA		28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	152.29 11.03 27.57 13.23 30.33	21.01
08 53 13 00-0034	EA		30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	155.72 11.29 28.23 13.55 31.06	21.39
08 53 13 00-0035	EA		32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	158.79 11.52 28.81 13.83 31.69	21.78
08 53 13 00-0036	EA		36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	167.40 12.23 30.57 14.67 33.63	22.56
08 53 13 00-0037	EA		44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	181.04 13.28 33.20 15.94 36.52	24.12
08 53 13 00-0038			48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0039	EA		24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	148.15 10.69 26.73 12.83 29.40	20.61
08 53 13 00-0040	EA		28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	154.95 11.22 28.04 13.46 30.84	21.39
08 53 13 00-0041	EA		30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	158.50 11.49 28.73 13.79 31.61	21.78
08 53 13 00-0042	EA		32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	161.57 11.72 29.31 14.07 32.24	22.17
08 53 13 00-0043	EA		36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	170.30 12.44 31.10 14.93 34.21	22.95
08 53 13 00-0044	EA		44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	184.12 13.51 33.78 16.21 37.16	24.51
08 53 13 00-0045			50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0046	EA		24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	150.68 10.87 27.17 13.04 29.89	21.01
08 53 13 00-0047	EA		28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	157.49 11.39 28.48 13.67 31.33	21.78
08 53 13 00-0048	EA		30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	161.17 11.68 29.21 14.02 32.13	22.17
08 53 13 00-0049	EA		32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	164.23 11.91 29.78 14.29 32.76	22.56
08 53 13 00-0050	EA		36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) <i>For Colored Vinyl, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Obscure Glass, Add</i>	173.09 12.64 31.60 15.17 34.76	23.34

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 53 13 00-0051	EA	44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	187.07		24.89
		<i>For Colored Vinyl, Add</i>	13.73		
		<i>For Low-E Insulated Glass, Add</i>	34.32		
		<i>For Tinted Glass, Add</i>	16.47		
		<i>For Obscure Glass, Add</i>	37.75		
08 53 13 00-0052		52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>			
08 53 13 00-0053	EA	24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	153.24		21.39
		<i>For Colored Vinyl, Add</i>	11.05		
		<i>For Low-E Insulated Glass, Add</i>	27.61		
		<i>For Tinted Glass, Add</i>	13.25		
		<i>For Obscure Glass, Add</i>	30.37		
08 53 13 00-0054	EA	28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	160.05		22.17
		<i>For Colored Vinyl, Add</i>	11.57		
		<i>For Low-E Insulated Glass, Add</i>	28.93		
		<i>For Tinted Glass, Add</i>	13.88		
		<i>For Obscure Glass, Add</i>	31.82		
08 53 13 00-0055	EA	30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	163.85		22.56
		<i>For Colored Vinyl, Add</i>	11.87		
		<i>For Low-E Insulated Glass, Add</i>	29.68		
		<i>For Tinted Glass, Add</i>	14.25		
		<i>For Obscure Glass, Add</i>	32.65		
08 53 13 00-0056	EA	32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	166.92		22.95
		<i>For Colored Vinyl, Add</i>	12.10		
		<i>For Low-E Insulated Glass, Add</i>	30.26		
		<i>For Tinted Glass, Add</i>	14.52		
		<i>For Obscure Glass, Add</i>	33.28		
08 53 13 00-0057	EA	36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	175.91		23.72
		<i>For Colored Vinyl, Add</i>	12.85		
		<i>For Low-E Insulated Glass, Add</i>	32.11		
		<i>For Tinted Glass, Add</i>	15.41		
		<i>For Obscure Glass, Add</i>	35.32		
08 53 13 00-0058	EA	44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	190.04		25.29
		<i>For Colored Vinyl, Add</i>	13.95		
		<i>For Low-E Insulated Glass, Add</i>	34.87		
		<i>For Tinted Glass, Add</i>	16.74		
		<i>For Obscure Glass, Add</i>	38.36		
08 53 13 00-0059		54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>			
08 53 13 00-0060	EA	24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	155.79		21.78
		<i>For Colored Vinyl, Add</i>	11.22		
		<i>For Low-E Insulated Glass, Add</i>	28.06		
		<i>For Tinted Glass, Add</i>	13.47		
		<i>For Obscure Glass, Add</i>	30.86		
08 53 13 00-0061	EA	28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	162.59		22.56
		<i>For Colored Vinyl, Add</i>	11.75		
		<i>For Low-E Insulated Glass, Add</i>	29.37		
		<i>For Tinted Glass, Add</i>	14.10		
		<i>For Obscure Glass, Add</i>	32.30		
08 53 13 00-0062	EA	30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	166.52		22.95
		<i>For Colored Vinyl, Add</i>	12.06		
		<i>For Low-E Insulated Glass, Add</i>	30.16		
		<i>For Tinted Glass, Add</i>	14.47		
		<i>For Obscure Glass, Add</i>	33.17		
08 53 13 00-0063	EA	32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	169.59		23.34
		<i>For Colored Vinyl, Add</i>	12.29		
		<i>For Low-E Insulated Glass, Add</i>	30.73		
		<i>For Tinted Glass, Add</i>	14.75		
		<i>For Obscure Glass, Add</i>	33.80		
08 53 13 00-0064	EA	36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	178.69		24.12
		<i>For Colored Vinyl, Add</i>	13.05		
		<i>For Low-E Insulated Glass, Add</i>	32.62		
		<i>For Tinted Glass, Add</i>	15.66		
		<i>For Obscure Glass, Add</i>	35.88		
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	192.99		25.67
		<i>For Colored Vinyl, Add</i>	14.17		
		<i>For Low-E Insulated Glass, Add</i>	35.41		
		<i>For Tinted Glass, Add</i>	17.00		
		<i>For Obscure Glass, Add</i>	38.95		
08 53 13 00-0066		60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>			
08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	163.67		22.95
		<i>For Colored Vinyl, Add</i>	11.78		
		<i>For Low-E Insulated Glass, Add</i>	29.44		
		<i>For Tinted Glass, Add</i>	14.13		
		<i>For Obscure Glass, Add</i>	32.39		
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	170.47		23.72
		<i>For Colored Vinyl, Add</i>	12.30		
		<i>For Low-E Insulated Glass, Add</i>	30.75		
		<i>For Tinted Glass, Add</i>	14.76		
		<i>For Obscure Glass, Add</i>	33.83		



		Openings	08
		Windows	08 50
		Plastic Windows	08 53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0069	EA		30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	174.75	24.12
			<i>For Colored Vinyl, Add</i>	12.65	
			<i>For Low-E Insulated Glass, Add</i>	31.63	
			<i>For Tinted Glass, Add</i>	15.18	
			<i>For Obscure Glass, Add</i>	34.79	
08 53 13 00-0070	EA		32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	177.82	24.51
			<i>For Colored Vinyl, Add</i>	12.88	
			<i>For Low-E Insulated Glass, Add</i>	32.20	
			<i>For Tinted Glass, Add</i>	15.46	
			<i>For Obscure Glass, Add</i>	35.42	
08 53 13 00-0071	EA		36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	187.31	25.29
			<i>For Colored Vinyl, Add</i>	13.68	
			<i>For Low-E Insulated Glass, Add</i>	34.19	
			<i>For Tinted Glass, Add</i>	16.41	
			<i>For Obscure Glass, Add</i>	37.61	
08 53 13 00-0072	EA		44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	202.11	26.84
			<i>For Colored Vinyl, Add</i>	14.84	
			<i>For Low-E Insulated Glass, Add</i>	37.11	
			<i>For Tinted Glass, Add</i>	17.81	
			<i>For Obscure Glass, Add</i>	40.82	
08 53 13 00-0073			62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0074	EA		24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	166.22	23.34
			<i>For Colored Vinyl, Add</i>	11.95	
			<i>For Low-E Insulated Glass, Add</i>	29.89	
			<i>For Tinted Glass, Add</i>	14.34	
			<i>For Obscure Glass, Add</i>	32.87	
08 53 13 00-0075	EA		28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	173.02	24.12
			<i>For Colored Vinyl, Add</i>	12.48	
			<i>For Low-E Insulated Glass, Add</i>	31.20	
			<i>For Tinted Glass, Add</i>	14.97	
			<i>For Obscure Glass, Add</i>	34.32	
08 53 13 00-0076	EA		30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	177.45	24.51
			<i>For Colored Vinyl, Add</i>	12.84	
			<i>For Low-E Insulated Glass, Add</i>	32.11	
			<i>For Tinted Glass, Add</i>	15.41	
			<i>For Obscure Glass, Add</i>	35.32	
08 53 13 00-0077	EA		32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	180.52	24.89
			<i>For Colored Vinyl, Add</i>	13.07	
			<i>For Low-E Insulated Glass, Add</i>	32.68	
			<i>For Tinted Glass, Add</i>	15.69	
			<i>For Obscure Glass, Add</i>	35.95	
08 53 13 00-0078	EA		36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	190.13	25.67
			<i>For Colored Vinyl, Add</i>	13.88	
			<i>For Low-E Insulated Glass, Add</i>	34.70	
			<i>For Tinted Glass, Add</i>	16.65	
			<i>For Obscure Glass, Add</i>	38.17	
08 53 13 00-0079	EA		44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	205.12	27.23
			<i>For Colored Vinyl, Add</i>	15.07	
			<i>For Low-E Insulated Glass, Add</i>	37.67	
			<i>For Tinted Glass, Add</i>	18.08	
			<i>For Obscure Glass, Add</i>	41.43	
08 53 13 00-0080			66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0081	EA		24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	171.41	24.12
			<i>For Colored Vinyl, Add</i>	12.32	
			<i>For Low-E Insulated Glass, Add</i>	30.80	
			<i>For Tinted Glass, Add</i>	14.78	
			<i>For Obscure Glass, Add</i>	33.87	
08 53 13 00-0082	EA		28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	178.21	24.89
			<i>For Colored Vinyl, Add</i>	12.84	
			<i>For Low-E Insulated Glass, Add</i>	32.11	
			<i>For Tinted Glass, Add</i>	15.41	
			<i>For Obscure Glass, Add</i>	35.32	
08 53 13 00-0083	EA		30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	182.87	25.29
			<i>For Colored Vinyl, Add</i>	13.23	
			<i>For Low-E Insulated Glass, Add</i>	33.08	
			<i>For Tinted Glass, Add</i>	15.88	
			<i>For Obscure Glass, Add</i>	36.39	
08 53 13 00-0084	EA		32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	185.94	25.67
			<i>For Colored Vinyl, Add</i>	13.46	
			<i>For Low-E Insulated Glass, Add</i>	33.65	
			<i>For Tinted Glass, Add</i>	16.15	
			<i>For Obscure Glass, Add</i>	37.02	
08 53 13 00-0085	EA		36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	195.83	26.45
			<i>For Colored Vinyl, Add</i>	14.29	
			<i>For Low-E Insulated Glass, Add</i>	35.73	
			<i>For Tinted Glass, Add</i>	17.15	
			<i>For Obscure Glass, Add</i>	39.31	
08 53 13 00-0086	EA		44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	211.13	28.00
			<i>For Colored Vinyl, Add</i>	15.51	
			<i>For Low-E Insulated Glass, Add</i>	38.78	
			<i>For Tinted Glass, Add</i>	18.61	
			<i>For Obscure Glass, Add</i>	42.66	

08 Openings**08 50 Windows****08 53 Plastic Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0087			72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0088	EA		24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	179.28	25.29
			For Colored Vinyl, Add	12.87	
			For Low-E Insulated Glass, Add	32.18	
			For Tinted Glass, Add	15.45	
			For Obscure Glass, Add	35.40	
08 53 13 00-0089	EA		28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	186.09	26.06
			For Colored Vinyl, Add	13.40	
			For Low-E Insulated Glass, Add	33.49	
			For Tinted Glass, Add	16.08	
			For Obscure Glass, Add	36.84	
08 53 13 00-0090	EA		30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	190.76	26.45
			For Colored Vinyl, Add	13.79	
			For Low-E Insulated Glass, Add	34.47	
			For Tinted Glass, Add	16.54	
			For Obscure Glass, Add	37.91	
08 53 13 00-0091	EA		32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	193.82	26.84
			For Colored Vinyl, Add	14.02	
			For Low-E Insulated Glass, Add	35.04	
			For Tinted Glass, Add	16.82	
			For Obscure Glass, Add	38.54	
08 53 13 00-0092	EA		36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	203.71	27.62
			For Colored Vinyl, Add	14.85	
			For Low-E Insulated Glass, Add	37.12	
			For Tinted Glass, Add	17.82	
			For Obscure Glass, Add	40.83	
08 53 13 00-0093	EA		44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	219.00	29.17
			For Colored Vinyl, Add	16.07	
			For Low-E Insulated Glass, Add	40.16	
			For Tinted Glass, Add	19.28	
			For Obscure Glass, Add	44.18	
08 53 13 00-0094			Replacement, Single Hung Vinyl Windows (Silver Line 2000) <small>(08 53 13 00-0001)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	191.91	20.42
			For Low-E Insulated Glass, Add	37.77	
			For Colored Vinyl, Add	15.11	
			For Tinted Glass, Add	18.13	
			For Obscure Glass, Add	41.54	
08 53 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	210.36	22.37
			For Low-E Insulated Glass, Add	41.41	
			For Colored Vinyl, Add	16.56	
			For Tinted Glass, Add	19.88	
			For Obscure Glass, Add	45.55	
08 53 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	227.34	24.31
			For Low-E Insulated Glass, Add	44.68	
			For Colored Vinyl, Add	17.87	
			For Tinted Glass, Add	21.45	
			For Obscure Glass, Add	49.15	
08 53 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	239.13	26.26
			For Low-E Insulated Glass, Add	46.66	
			For Colored Vinyl, Add	18.66	
			For Tinted Glass, Add	22.39	
			For Obscure Glass, Add	51.32	
08 53 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	251.52	28.20
			For Low-E Insulated Glass, Add	48.78	
			For Colored Vinyl, Add	19.51	
			For Tinted Glass, Add	23.41	
			For Obscure Glass, Add	53.66	
08 53 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	273.16	30.14
			For Low-E Insulated Glass, Add	53.22	
			For Colored Vinyl, Add	21.29	
			For Tinted Glass, Add	25.54	
			For Obscure Glass, Add	58.54	
08 53 13 00-0101	UI		>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	2.28	0.25
			For Low-E Insulated Glass, Add	0.44	
			For Colored Vinyl, Add	0.18	
			For Tinted Glass, Add	0.21	
			For Obscure Glass, Add	0.49	
08 53 13 00-0102			Double Hung Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0103			New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0102)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0104			34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0105	EA		24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	186.80	17.89
			For Colored Vinyl, Add	15.10	
			For Low-E Insulated Glass, Add	37.75	
			For Tinted Glass, Add	18.12	
			For Obscure Glass, Add	41.53	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0106	EA		28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	193.60	18.68
			For Colored Vinyl, Add	15.63	
			For Low-E Insulated Glass, Add	39.07	
			For Tinted Glass, Add	18.75	
			For Obscure Glass, Add	42.97	
08 53 13 00-0107	EA		30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	196.89	19.06
			For Colored Vinyl, Add	15.88	
			For Low-E Insulated Glass, Add	39.69	
			For Tinted Glass, Add	19.05	
			For Obscure Glass, Add	43.66	
08 53 13 00-0108	EA		32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	199.96	19.45
			For Colored Vinyl, Add	16.11	
			For Low-E Insulated Glass, Add	40.27	
			For Tinted Glass, Add	19.33	
			For Obscure Glass, Add	44.29	
08 53 13 00-0109	EA		36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	207.44	20.23
			For Colored Vinyl, Add	16.70	
			For Low-E Insulated Glass, Add	41.75	
			For Tinted Glass, Add	20.04	
			For Obscure Glass, Add	45.92	
08 53 13 00-0110	EA		44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	219.62	21.78
			For Colored Vinyl, Add	17.61	
			For Low-E Insulated Glass, Add	44.01	
			For Tinted Glass, Add	21.13	
			For Obscure Glass, Add	48.41	
08 53 13 00-0111			36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0112	EA		24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	189.42	18.28
			For Colored Vinyl, Add	15.29	
			For Low-E Insulated Glass, Add	38.22	
			For Tinted Glass, Add	18.34	
			For Obscure Glass, Add	42.04	
08 53 13 00-0113	EA		28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	196.23	19.06
			For Colored Vinyl, Add	15.81	
			For Low-E Insulated Glass, Add	39.53	
			For Tinted Glass, Add	18.97	
			For Obscure Glass, Add	43.48	
08 53 13 00-0114	EA		30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	199.52	19.45
			For Colored Vinyl, Add	16.06	
			For Low-E Insulated Glass, Add	40.16	
			For Tinted Glass, Add	19.27	
			For Obscure Glass, Add	44.17	
08 53 13 00-0115	EA		32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	202.58	19.84
			For Colored Vinyl, Add	16.29	
			For Low-E Insulated Glass, Add	40.73	
			For Tinted Glass, Add	19.55	
			For Obscure Glass, Add	44.80	
08 53 13 00-0116	EA		36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	210.07	20.61
			For Colored Vinyl, Add	16.88	
			For Low-E Insulated Glass, Add	42.21	
			For Tinted Glass, Add	20.26	
			For Obscure Glass, Add	46.43	
08 53 13 00-0117	EA		44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	222.25	22.17
			For Colored Vinyl, Add	17.79	
			For Low-E Insulated Glass, Add	44.48	
			For Tinted Glass, Add	21.35	
			For Obscure Glass, Add	48.92	
08 53 13 00-0118			38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0119	EA		24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	191.78	18.68
			For Colored Vinyl, Add	15.44	
			For Low-E Insulated Glass, Add	38.61	
			For Tinted Glass, Add	18.53	
			For Obscure Glass, Add	42.47	
08 53 13 00-0120	EA		28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	198.59	19.45
			For Colored Vinyl, Add	15.97	
			For Low-E Insulated Glass, Add	39.92	
			For Tinted Glass, Add	19.16	
			For Obscure Glass, Add	43.91	
08 53 13 00-0121	EA		30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	201.97	19.84
			For Colored Vinyl, Add	16.23	
			For Low-E Insulated Glass, Add	40.58	
			For Tinted Glass, Add	19.48	
			For Obscure Glass, Add	44.63	
08 53 13 00-0122	EA		32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	205.05	20.23
			For Colored Vinyl, Add	16.46	
			For Low-E Insulated Glass, Add	41.15	
			For Tinted Glass, Add	19.75	
			For Obscure Glass, Add	45.27	
08 53 13 00-0123	EA		36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	212.67	21.01
			For Colored Vinyl, Add	17.07	
			For Low-E Insulated Glass, Add	42.67	
			For Tinted Glass, Add	20.48	
			For Obscure Glass, Add	46.93	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0124	EA		44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	225.00	22.56
			<i>For Colored Vinyl, Add</i>	17.99	
			<i>For Low-E Insulated Glass, Add</i>	44.97	
			<i>For Tinted Glass, Add</i>	21.59	
			<i>For Obscure Glass, Add</i>	49.47	
08 53 13 00-0125			44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0126	EA		24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	199.86	19.84
			<i>For Colored Vinyl, Add</i>	16.02	
			<i>For Low-E Insulated Glass, Add</i>	40.05	
			<i>For Tinted Glass, Add</i>	19.22	
			<i>For Obscure Glass, Add</i>	44.05	
08 53 13 00-0127	EA		28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	206.67	20.61
			<i>For Colored Vinyl, Add</i>	16.54	
			<i>For Low-E Insulated Glass, Add</i>	41.36	
			<i>For Tinted Glass, Add</i>	19.85	
			<i>For Obscure Glass, Add</i>	45.50	
08 53 13 00-0128	EA		30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	209.45	21.01
			<i>For Colored Vinyl, Add</i>	16.75	
			<i>For Low-E Insulated Glass, Add</i>	41.86	
			<i>For Tinted Glass, Add</i>	20.09	
			<i>For Obscure Glass, Add</i>	46.05	
08 53 13 00-0129	EA		32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	212.53	21.39
			<i>For Colored Vinyl, Add</i>	16.97	
			<i>For Low-E Insulated Glass, Add</i>	42.44	
			<i>For Tinted Glass, Add</i>	20.37	
			<i>For Obscure Glass, Add</i>	46.68	
08 53 13 00-0130	EA		36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	220.49	22.17
			<i>For Colored Vinyl, Add</i>	17.61	
			<i>For Low-E Insulated Glass, Add</i>	44.04	
			<i>For Tinted Glass, Add</i>	21.14	
			<i>For Obscure Glass, Add</i>	48.44	
08 53 13 00-0131	EA		44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	233.55	23.72
			<i>For Colored Vinyl, Add</i>	18.61	
			<i>For Low-E Insulated Glass, Add</i>	46.52	
			<i>For Tinted Glass, Add</i>	22.33	
			<i>For Obscure Glass, Add</i>	51.17	
08 53 13 00-0132			46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0133	EA		24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	202.21	20.23
			<i>For Colored Vinyl, Add</i>	16.18	
			<i>For Low-E Insulated Glass, Add</i>	40.44	
			<i>For Tinted Glass, Add</i>	19.41	
			<i>For Obscure Glass, Add</i>	44.48	
08 53 13 00-0134	EA		28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	209.00	21.01
			<i>For Colored Vinyl, Add</i>	16.70	
			<i>For Low-E Insulated Glass, Add</i>	41.75	
			<i>For Tinted Glass, Add</i>	20.04	
			<i>For Obscure Glass, Add</i>	45.93	
08 53 13 00-0135	EA		30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	211.97	21.39
			<i>For Colored Vinyl, Add</i>	16.92	
			<i>For Low-E Insulated Glass, Add</i>	42.30	
			<i>For Tinted Glass, Add</i>	20.30	
			<i>For Obscure Glass, Add</i>	46.52	
08 53 13 00-0136	EA		32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	215.04	21.78
			<i>For Colored Vinyl, Add</i>	17.15	
			<i>For Low-E Insulated Glass, Add</i>	42.87	
			<i>For Tinted Glass, Add</i>	20.58	
			<i>For Obscure Glass, Add</i>	47.15	
08 53 13 00-0137	EA		36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	223.09	22.56
			<i>For Colored Vinyl, Add</i>	17.80	
			<i>For Low-E Insulated Glass, Add</i>	44.49	
			<i>For Tinted Glass, Add</i>	21.36	
			<i>For Obscure Glass, Add</i>	48.94	
08 53 13 00-0138	EA		44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	236.59	24.12
			<i>For Colored Vinyl, Add</i>	18.84	
			<i>For Low-E Insulated Glass, Add</i>	47.09	
			<i>For Tinted Glass, Add</i>	22.60	
			<i>For Obscure Glass, Add</i>	51.80	
08 53 13 00-0139			48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0140	EA		24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	204.58	20.61
			<i>For Colored Vinyl, Add</i>	16.34	
			<i>For Low-E Insulated Glass, Add</i>	40.84	
			<i>For Tinted Glass, Add</i>	19.60	
			<i>For Obscure Glass, Add</i>	44.92	
08 53 13 00-0141	EA		28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	211.39	21.39
			<i>For Colored Vinyl, Add</i>	16.86	
			<i>For Low-E Insulated Glass, Add</i>	42.15	
			<i>For Tinted Glass, Add</i>	20.23	
			<i>For Obscure Glass, Add</i>	46.37	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0142	EA		30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	214.43	21.78
			For Colored Vinyl, Add	17.09	
			For Low-E Insulated Glass, Add	42.72	
			For Tinted Glass, Add	20.50	
			For Obscure Glass, Add	46.99	
08 53 13 00-0143	EA		32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	217.50	22.17
			For Colored Vinyl, Add	17.32	
			For Low-E Insulated Glass, Add	43.29	
			For Tinted Glass, Add	20.78	
			For Obscure Glass, Add	47.62	
08 53 13 00-0144	EA		36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	225.71	22.95
			For Colored Vinyl, Add	17.98	
			For Low-E Insulated Glass, Add	44.95	
			For Tinted Glass, Add	21.58	
			For Obscure Glass, Add	49.45	
08 53 13 00-0145	EA		44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	239.59	24.51
			For Colored Vinyl, Add	19.06	
			For Low-E Insulated Glass, Add	47.65	
			For Tinted Glass, Add	22.87	
			For Obscure Glass, Add	52.41	
08 53 13 00-0146			50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0147	EA		24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	206.92	21.01
			For Colored Vinyl, Add	16.49	
			For Low-E Insulated Glass, Add	41.23	
			For Tinted Glass, Add	19.79	
			For Obscure Glass, Add	45.35	
08 53 13 00-0148	EA		28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	213.74	21.78
			For Colored Vinyl, Add	17.02	
			For Low-E Insulated Glass, Add	42.54	
			For Tinted Glass, Add	20.42	
			For Obscure Glass, Add	46.80	
08 53 13 00-0149	EA		30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	216.93	22.17
			For Colored Vinyl, Add	17.26	
			For Low-E Insulated Glass, Add	43.15	
			For Tinted Glass, Add	20.71	
			For Obscure Glass, Add	47.46	
08 53 13 00-0150	EA		32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	219.99	22.56
			For Colored Vinyl, Add	17.49	
			For Low-E Insulated Glass, Add	43.72	
			For Tinted Glass, Add	20.98	
			For Obscure Glass, Add	48.09	
08 53 13 00-0151	EA		36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	228.32	23.34
			For Colored Vinyl, Add	18.16	
			For Low-E Insulated Glass, Add	45.41	
			For Tinted Glass, Add	21.80	
			For Obscure Glass, Add	49.95	
08 53 13 00-0152	EA		44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	242.63	24.89
			For Colored Vinyl, Add	19.28	
			For Low-E Insulated Glass, Add	48.21	
			For Tinted Glass, Add	23.14	
			For Obscure Glass, Add	53.03	
08 53 13 00-0153			52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0154	EA		24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	209.29	21.39
			For Colored Vinyl, Add	16.65	
			For Low-E Insulated Glass, Add	41.63	
			For Tinted Glass, Add	19.98	
			For Obscure Glass, Add	45.79	
08 53 13 00-0155	EA		28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	216.10	22.17
			For Colored Vinyl, Add	17.18	
			For Low-E Insulated Glass, Add	42.94	
			For Tinted Glass, Add	20.61	
			For Obscure Glass, Add	47.23	
08 53 13 00-0156	EA		30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	219.38	22.56
			For Colored Vinyl, Add	17.43	
			For Low-E Insulated Glass, Add	43.57	
			For Tinted Glass, Add	20.91	
			For Obscure Glass, Add	47.92	
08 53 13 00-0157	EA		32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	222.45	22.95
			For Colored Vinyl, Add	17.66	
			For Low-E Insulated Glass, Add	44.14	
			For Tinted Glass, Add	21.19	
			For Obscure Glass, Add	48.55	
08 53 13 00-0158	EA		36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	231.18	23.72
			For Colored Vinyl, Add	18.37	
			For Low-E Insulated Glass, Add	45.93	
			For Tinted Glass, Add	22.05	
			For Obscure Glass, Add	50.52	
08 53 13 00-0159	EA		44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	245.61	25.29
			For Colored Vinyl, Add	19.51	
			For Low-E Insulated Glass, Add	48.76	
			For Tinted Glass, Add	23.41	
			For Obscure Glass, Add	53.64	

08 Openings**08 50 Windows****08 53 Plastic Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0160			54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0161	EA		24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	211.67	21.78
			For Colored Vinyl, Add	16.81	
			For Low-E Insulated Glass, Add	42.03	
			For Tinted Glass, Add	20.17	
			For Obscure Glass, Add	46.23	
08 53 13 00-0162	EA		28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	218.47	22.56
			For Colored Vinyl, Add	17.34	
			For Low-E Insulated Glass, Add	43.34	
			For Tinted Glass, Add	20.80	
			For Obscure Glass, Add	47.67	
08 53 13 00-0163	EA		30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	221.89	22.95
			For Colored Vinyl, Add	17.60	
			For Low-E Insulated Glass, Add	44.00	
			For Tinted Glass, Add	21.12	
			For Obscure Glass, Add	48.40	
08 53 13 00-0164	EA		32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	224.96	23.34
			For Colored Vinyl, Add	17.83	
			For Low-E Insulated Glass, Add	44.57	
			For Tinted Glass, Add	21.39	
			For Obscure Glass, Add	49.03	
08 53 13 00-0165	EA		36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	234.04	24.12
			For Colored Vinyl, Add	18.58	
			For Low-E Insulated Glass, Add	46.45	
			For Tinted Glass, Add	22.30	
			For Obscure Glass, Add	51.10	
08 53 13 00-0166	EA		44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	248.60	25.67
			For Colored Vinyl, Add	19.73	
			For Low-E Insulated Glass, Add	49.32	
			For Tinted Glass, Add	23.67	
			For Obscure Glass, Add	54.25	
08 53 13 00-0167			60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0168	EA		24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	218.77	22.95
			For Colored Vinyl, Add	17.29	
			For Low-E Insulated Glass, Add	43.22	
			For Tinted Glass, Add	20.74	
			For Obscure Glass, Add	47.54	
08 53 13 00-0169	EA		28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	225.58	23.72
			For Colored Vinyl, Add	17.81	
			For Low-E Insulated Glass, Add	44.53	
			For Tinted Glass, Add	21.37	
			For Obscure Glass, Add	48.98	
08 53 13 00-0170	EA		30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	229.87	24.12
			For Colored Vinyl, Add	18.16	
			For Low-E Insulated Glass, Add	45.41	
			For Tinted Glass, Add	21.80	
			For Obscure Glass, Add	49.95	
08 53 13 00-0171	EA		32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	232.94	24.51
			For Colored Vinyl, Add	18.39	
			For Low-E Insulated Glass, Add	45.98	
			For Tinted Glass, Add	22.07	
			For Obscure Glass, Add	50.58	
08 53 13 00-0172	EA		36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	242.58	25.29
			For Colored Vinyl, Add	19.20	
			For Low-E Insulated Glass, Add	48.01	
			For Tinted Glass, Add	23.04	
			For Obscure Glass, Add	52.81	
08 53 13 00-0173	EA		44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	257.61	26.84
			For Colored Vinyl, Add	20.39	
			For Low-E Insulated Glass, Add	50.99	
			For Tinted Glass, Add	24.47	
			For Obscure Glass, Add	56.08	
08 53 13 00-0174			62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0175	EA		24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	221.13	23.34
			For Colored Vinyl, Add	17.45	
			For Low-E Insulated Glass, Add	43.61	
			For Tinted Glass, Add	20.93	
			For Obscure Glass, Add	47.97	
08 53 13 00-0176	EA		28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	227.93	24.12
			For Colored Vinyl, Add	17.97	
			For Low-E Insulated Glass, Add	44.93	
			For Tinted Glass, Add	21.56	
			For Obscure Glass, Add	49.42	
08 53 13 00-0177	EA		30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	232.59	24.51
			For Colored Vinyl, Add	18.36	
			For Low-E Insulated Glass, Add	45.90	
			For Tinted Glass, Add	22.03	
			For Obscure Glass, Add	50.48	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0178	EA		32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	235.66	24.89
			For Colored Vinyl, Add	18.59	
			For Low-E Insulated Glass, Add	46.47	
			For Tinted Glass, Add	22.30	
			For Obscure Glass, Add	51.11	
08 53 13 00-0179	EA		36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	245.41	25.67
			For Colored Vinyl, Add	19.41	
			For Low-E Insulated Glass, Add	48.52	
			For Tinted Glass, Add	23.29	
			For Obscure Glass, Add	53.37	
08 53 13 00-0180	EA		44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	260.92	27.23
			For Colored Vinyl, Add	20.65	
			For Low-E Insulated Glass, Add	51.62	
			For Tinted Glass, Add	24.78	
			For Obscure Glass, Add	56.78	
08 53 13 00-0181			66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0182	EA		24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	226.38	24.12
			For Colored Vinyl, Add	17.82	
			For Low-E Insulated Glass, Add	44.54	
			For Tinted Glass, Add	21.38	
			For Obscure Glass, Add	48.99	
08 53 13 00-0183	EA		28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	233.19	24.89
			For Colored Vinyl, Add	18.34	
			For Low-E Insulated Glass, Add	45.85	
			For Tinted Glass, Add	22.01	
			For Obscure Glass, Add	50.44	
08 53 13 00-0184	EA		30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	238.02	25.29
			For Colored Vinyl, Add	18.75	
			For Low-E Insulated Glass, Add	46.87	
			For Tinted Glass, Add	22.50	
			For Obscure Glass, Add	51.55	
08 53 13 00-0185	EA		32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	241.09	25.67
			For Colored Vinyl, Add	18.98	
			For Low-E Insulated Glass, Add	47.44	
			For Tinted Glass, Add	22.77	
			For Obscure Glass, Add	52.18	
08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	251.14	26.45
			For Colored Vinyl, Add	19.82	
			For Low-E Insulated Glass, Add	49.56	
			For Tinted Glass, Add	23.79	
			For Obscure Glass, Add	54.52	
08 53 13 00-0187	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	267.27	28.00
			For Colored Vinyl, Add	21.13	
			For Low-E Insulated Glass, Add	52.81	
			For Tinted Glass, Add	25.35	
			For Obscure Glass, Add	58.09	
08 53 13 00-0188			72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0189	EA		24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	234.25	25.29
			For Colored Vinyl, Add	18.37	
			For Low-E Insulated Glass, Add	45.92	
			For Tinted Glass, Add	22.04	
			For Obscure Glass, Add	50.51	
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	241.06	26.06
			For Colored Vinyl, Add	18.89	
			For Low-E Insulated Glass, Add	47.24	
			For Tinted Glass, Add	22.67	
			For Obscure Glass, Add	51.96	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	245.91	26.45
			For Colored Vinyl, Add	19.30	
			For Low-E Insulated Glass, Add	48.25	
			For Tinted Glass, Add	23.16	
			For Obscure Glass, Add	53.08	
08 53 13 00-0192	EA		32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	248.97	26.84
			For Colored Vinyl, Add	19.53	
			For Low-E Insulated Glass, Add	48.83	
			For Tinted Glass, Add	23.44	
			For Obscure Glass, Add	53.71	
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	259.02	27.62
			For Colored Vinyl, Add	20.38	
			For Low-E Insulated Glass, Add	50.95	
			For Tinted Glass, Add	24.45	
			For Obscure Glass, Add	56.04	
08 53 13 00-0194	EA		44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	275.14	29.17
			For Colored Vinyl, Add	21.68	
			For Low-E Insulated Glass, Add	54.20	
			For Tinted Glass, Add	26.01	
			For Obscure Glass, Add	59.62	
08 53 13 00-0195			Replacement, Double Hung Vinyl Windows (Silver Line 8500) <small>(08 53 13 00-0102)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.		
			Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0196	EA		Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	229.68	20.42
			For Low-E Insulated Glass, Add	47.21	
			For Colored Vinyl, Add	18.88	
			For Tinted Glass, Add	22.66	
			For Obscure Glass, Add	51.93	
08 53 13 00-0197	EA		>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	253.30	22.37
			For Low-E Insulated Glass, Add	52.14	
			For Colored Vinyl, Add	20.86	
			For Tinted Glass, Add	25.03	
			For Obscure Glass, Add	57.36	
08 53 13 00-0198	EA		>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	275.46	24.31
			For Low-E Insulated Glass, Add	56.71	
			For Colored Vinyl, Add	22.68	
			For Tinted Glass, Add	27.22	
			For Obscure Glass, Add	62.38	
08 53 13 00-0199	EA		>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	291.38	26.26
			For Low-E Insulated Glass, Add	59.72	
			For Colored Vinyl, Add	23.89	
			For Tinted Glass, Add	28.66	
			For Obscure Glass, Add	65.69	
08 53 13 00-0200	EA		>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	308.43	28.20
			For Low-E Insulated Glass, Add	63.01	
			For Colored Vinyl, Add	25.20	
			For Tinted Glass, Add	30.24	
			For Obscure Glass, Add	69.31	
08 53 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	335.24	30.14
			For Low-E Insulated Glass, Add	68.74	
			For Colored Vinyl, Add	27.49	
			For Tinted Glass, Add	32.99	
			For Obscure Glass, Add	75.61	
08 53 13 00-0202	UI		>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	2.80	0.25
			For Low-E Insulated Glass, Add	0.57	
			For Colored Vinyl, Add	0.23	
			For Tinted Glass, Add	0.27	
			For Obscure Glass, Add	0.63	
08 53 13 00-0203			Casement Vinyl Windows (08 53 13)		
08 53 13 00-0204			New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0203) Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0205			One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0206			24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0207	EA		17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	171.46	14.78
			For Colored Vinyl, Add	14.23	
			For Low-E Insulated Glass, Add	35.57	
			For Tinted Glass, Add	17.07	
			For Obscure Glass, Add	39.13	
08 53 13 00-0208	EA		20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	177.43	15.17
			For Colored Vinyl, Add	14.71	
			For Low-E Insulated Glass, Add	36.77	
			For Tinted Glass, Add	17.65	
			For Obscure Glass, Add	40.45	
08 53 13 00-0209	EA		24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	183.80	15.95
			For Colored Vinyl, Add	15.19	
			For Low-E Insulated Glass, Add	37.98	
			For Tinted Glass, Add	18.23	
			For Obscure Glass, Add	41.77	
08 53 13 00-0210	EA		28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	195.44	16.73
			For Colored Vinyl, Add	16.20	
			For Low-E Insulated Glass, Add	40.50	
			For Tinted Glass, Add	19.44	
			For Obscure Glass, Add	44.55	
08 53 13 00-0211			28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0212	EA		17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	181.96	15.56
			For Colored Vinyl, Add	15.12	
			For Low-E Insulated Glass, Add	37.81	
			For Tinted Glass, Add	18.15	
			For Obscure Glass, Add	41.59	
08 53 13 00-0213	EA		20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	188.48	15.95
			For Colored Vinyl, Add	15.66	
			For Low-E Insulated Glass, Add	39.15	
			For Tinted Glass, Add	18.79	
			For Obscure Glass, Add	43.06	
08 53 13 00-0214	EA		24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	195.37	16.73
			For Colored Vinyl, Add	16.19	
			For Low-E Insulated Glass, Add	40.48	
			For Tinted Glass, Add	19.43	
			For Obscure Glass, Add	44.53	



Openings	08	08
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0215	EA		28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	207.68	17.50
			For Colored Vinyl, Add	17.27	
			For Low-E Insulated Glass, Add	43.17	
			For Tinted Glass, Add	20.72	
			For Obscure Glass, Add	47.48	
08 53 13 00-0216			36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0217	EA		17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	194.29	16.73
			For Colored Vinyl, Add	16.08	
			For Low-E Insulated Glass, Add	40.21	
			For Tinted Glass, Add	19.30	
			For Obscure Glass, Add	44.23	
08 53 13 00-0218	EA		20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	201.08	17.50
			For Colored Vinyl, Add	16.65	
			For Low-E Insulated Glass, Add	41.62	
			For Tinted Glass, Add	19.98	
			For Obscure Glass, Add	45.78	
08 53 13 00-0219	EA		24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	208.27	18.09
			For Colored Vinyl, Add	17.21	
			For Low-E Insulated Glass, Add	43.02	
			For Tinted Glass, Add	20.65	
			For Obscure Glass, Add	47.32	
08 53 13 00-0220	EA		28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	221.08	18.87
			For Colored Vinyl, Add	18.34	
			For Low-E Insulated Glass, Add	45.84	
			For Tinted Glass, Add	22.00	
			For Obscure Glass, Add	50.42	
08 53 13 00-0221			40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0222	EA		17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	205.50	17.89
			For Colored Vinyl, Add	17.01	
			For Low-E Insulated Glass, Add	42.53	
			For Tinted Glass, Add	20.41	
			For Obscure Glass, Add	46.78	
08 53 13 00-0223	EA		20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	212.67	18.28
			For Colored Vinyl, Add	17.61	
			For Low-E Insulated Glass, Add	44.03	
			For Tinted Glass, Add	21.13	
			For Obscure Glass, Add	48.43	
08 53 13 00-0224	EA		24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	220.23	19.06
			For Colored Vinyl, Add	18.21	
			For Low-E Insulated Glass, Add	45.53	
			For Tinted Glass, Add	21.85	
			For Obscure Glass, Add	50.08	
08 53 13 00-0225	EA		28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	234.11	19.84
			For Colored Vinyl, Add	19.44	
			For Low-E Insulated Glass, Add	48.61	
			For Tinted Glass, Add	23.33	
			For Obscure Glass, Add	53.47	
08 53 13 00-0226			48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0227	EA		17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	217.98	19.45
			For Colored Vinyl, Add	17.95	
			For Low-E Insulated Glass, Add	44.87	
			For Tinted Glass, Add	21.54	
			For Obscure Glass, Add	49.35	
08 53 13 00-0228	EA		20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	225.46	19.84
			For Colored Vinyl, Add	18.58	
			For Low-E Insulated Glass, Add	46.45	
			For Tinted Glass, Add	22.29	
			For Obscure Glass, Add	51.09	
08 53 13 00-0229	EA		24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	233.36	20.61
			For Colored Vinyl, Add	19.21	
			For Low-E Insulated Glass, Add	48.03	
			For Tinted Glass, Add	23.06	
			For Obscure Glass, Add	52.84	
08 53 13 00-0230	EA		28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	248.66	21.39
			For Colored Vinyl, Add	20.59	
			For Low-E Insulated Glass, Add	51.47	
			For Tinted Glass, Add	24.70	
			For Obscure Glass, Add	56.61	
08 53 13 00-0231			52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0232	EA		17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	228.85	20.23
			For Colored Vinyl, Add	18.88	
			For Low-E Insulated Glass, Add	47.20	
			For Tinted Glass, Add	22.65	
			For Obscure Glass, Add	51.91	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0233	EA		20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	236.78	20.61
			<i>For Colored Vinyl, Add</i>	19.56	
			<i>For Low-E Insulated Glass, Add</i>	48.89	
			<i>For Tinted Glass, Add</i>	23.47	
			<i>For Obscure Glass, Add</i>	53.78	
08 53 13 00-0234	EA		24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	245.09	21.39
			<i>For Colored Vinyl, Add</i>	20.23	
			<i>For Low-E Insulated Glass, Add</i>	50.58	
			<i>For Tinted Glass, Add</i>	24.28	
			<i>For Obscure Glass, Add</i>	55.63	
08 53 13 00-0235	EA		28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	260.65	22.17
			<i>For Colored Vinyl, Add</i>	21.63	
			<i>For Low-E Insulated Glass, Add</i>	54.08	
			<i>For Tinted Glass, Add</i>	25.96	
			<i>For Obscure Glass, Add</i>	59.48	
08 53 13 00-0236			60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0237	EA		17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	240.88	21.39
			<i>For Colored Vinyl, Add</i>	19.81	
			<i>For Low-E Insulated Glass, Add</i>	49.52	
			<i>For Tinted Glass, Add</i>	23.77	
			<i>For Obscure Glass, Add</i>	54.47	
08 53 13 00-0238	EA		20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	249.24	22.17
			<i>For Colored Vinyl, Add</i>	20.53	
			<i>For Low-E Insulated Glass, Add</i>	51.32	
			<i>For Tinted Glass, Add</i>	24.63	
			<i>For Obscure Glass, Add</i>	56.45	
08 53 13 00-0239	EA		24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	258.00	22.75
			<i>For Colored Vinyl, Add</i>	21.25	
			<i>For Low-E Insulated Glass, Add</i>	53.12	
			<i>For Tinted Glass, Add</i>	25.50	
			<i>For Obscure Glass, Add</i>	58.43	
08 53 13 00-0240	EA		28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	273.80	23.53
			<i>For Colored Vinyl, Add</i>	22.67	
			<i>For Low-E Insulated Glass, Add</i>	56.69	
			<i>For Tinted Glass, Add</i>	27.21	
			<i>For Obscure Glass, Add</i>	62.35	
08 53 13 00-0241			64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0242	EA		17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	251.91	22.56
			<i>For Colored Vinyl, Add</i>	20.72	
			<i>For Low-E Insulated Glass, Add</i>	51.80	
			<i>For Tinted Glass, Add</i>	24.86	
			<i>For Obscure Glass, Add</i>	56.97	
08 53 13 00-0243	EA		20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	260.50	22.95
			<i>For Colored Vinyl, Add</i>	21.46	
			<i>For Low-E Insulated Glass, Add</i>	53.65	
			<i>For Tinted Glass, Add</i>	25.75	
			<i>For Obscure Glass, Add</i>	59.02	
08 53 13 00-0244	EA		24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	269.85	23.72
			<i>For Colored Vinyl, Add</i>	22.24	
			<i>For Low-E Insulated Glass, Add</i>	55.60	
			<i>For Tinted Glass, Add</i>	26.69	
			<i>For Obscure Glass, Add</i>	61.16	
08 53 13 00-0245	EA		28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	285.28	24.51
			<i>For Colored Vinyl, Add</i>	23.63	
			<i>For Low-E Insulated Glass, Add</i>	59.07	
			<i>For Tinted Glass, Add</i>	28.35	
			<i>For Obscure Glass, Add</i>	64.97	
08 53 13 00-0246			72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0247	EA		17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	265.39	23.72
			<i>For Colored Vinyl, Add</i>	21.79	
			<i>For Low-E Insulated Glass, Add</i>	54.48	
			<i>For Tinted Glass, Add</i>	26.15	
			<i>For Obscure Glass, Add</i>	59.93	
08 53 13 00-0248	EA		20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	274.44	24.51
			<i>For Colored Vinyl, Add</i>	22.58	
			<i>For Low-E Insulated Glass, Add</i>	56.45	
			<i>For Tinted Glass, Add</i>	27.10	
			<i>For Obscure Glass, Add</i>	62.10	
08 53 13 00-0249	EA		24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	283.36	25.09
			<i>For Colored Vinyl, Add</i>	23.32	
			<i>For Low-E Insulated Glass, Add</i>	58.30	
			<i>For Tinted Glass, Add</i>	27.98	
			<i>For Obscure Glass, Add</i>	64.12	
08 53 13 00-0250	EA		28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	298.61	25.86
			<i>For Colored Vinyl, Add</i>	24.69	
			<i>For Low-E Insulated Glass, Add</i>	61.72	
			<i>For Tinted Glass, Add</i>	29.62	
			<i>For Obscure Glass, Add</i>	67.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0251 Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0252 36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0253 EA 33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	348.59	19.84
For Colored Vinyl, Add	30.89	
For Low-E Insulated Glass, Add	77.23	
For Tinted Glass, Add	37.07	
For Obscure Glass, Add	84.95	
08 53 13 00-0254 EA 40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	361.02	21.39
For Colored Vinyl, Add	31.86	
For Low-E Insulated Glass, Add	79.66	
For Tinted Glass, Add	38.23	
For Obscure Glass, Add	87.62	
08 53 13 00-0255 EA 48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	373.84	22.95
For Colored Vinyl, Add	32.83	
For Low-E Insulated Glass, Add	82.08	
For Tinted Glass, Add	39.40	
For Obscure Glass, Add	90.29	
08 53 13 00-0256 EA 56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	388.48	24.31
For Colored Vinyl, Add	33.99	
For Low-E Insulated Glass, Add	84.96	
For Tinted Glass, Add	40.78	
For Obscure Glass, Add	93.46	
08 53 13 00-0257 40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0258 EA 33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	369.23	20.81
For Colored Vinyl, Add	32.76	
For Low-E Insulated Glass, Add	81.90	
For Tinted Glass, Add	39.31	
For Obscure Glass, Add	90.09	
08 53 13 00-0259 EA 40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	382.45	22.17
For Colored Vinyl, Add	33.81	
For Low-E Insulated Glass, Add	84.53	
For Tinted Glass, Add	40.57	
For Obscure Glass, Add	92.98	
08 53 13 00-0260 EA 48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	396.07	23.72
For Colored Vinyl, Add	34.86	
For Low-E Insulated Glass, Add	87.15	
For Tinted Glass, Add	41.83	
For Obscure Glass, Add	95.87	
08 53 13 00-0261 EA 56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	410.20	25.29
For Colored Vinyl, Add	35.96	
For Low-E Insulated Glass, Add	89.91	
For Tinted Glass, Add	43.16	
For Obscure Glass, Add	98.90	
08 53 13 00-0262 48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0263 EA 33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	391.39	22.37
For Colored Vinyl, Add	34.67	
For Low-E Insulated Glass, Add	86.67	
For Tinted Glass, Add	41.60	
For Obscure Glass, Add	95.33	
08 53 13 00-0264 EA 40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	405.19	23.72
For Colored Vinyl, Add	35.77	
For Low-E Insulated Glass, Add	89.43	
For Tinted Glass, Add	42.93	
For Obscure Glass, Add	98.38	
08 53 13 00-0265 EA 48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	419.38	25.29
For Colored Vinyl, Add	36.88	
For Low-E Insulated Glass, Add	92.21	
For Tinted Glass, Add	44.26	
For Obscure Glass, Add	101.43	
08 53 13 00-0266 EA 56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	434.86	26.84
For Colored Vinyl, Add	38.12	
For Low-E Insulated Glass, Add	95.30	
For Tinted Glass, Add	45.74	
For Obscure Glass, Add	104.83	
08 53 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0268 EA 33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	411.95	23.15
For Colored Vinyl, Add	36.57	
For Low-E Insulated Glass, Add	91.42	
For Tinted Glass, Add	43.88	
For Obscure Glass, Add	100.56	
08 53 13 00-0269 EA 40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	426.52	24.51
For Colored Vinyl, Add	37.75	
For Low-E Insulated Glass, Add	94.38	
For Tinted Glass, Add	45.30	
For Obscure Glass, Add	103.82	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0270	EA		48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	441.47	26.06
			<i>For Colored Vinyl, Add</i>	38.94	
			<i>For Low-E Insulated Glass, Add</i>	97.34	
			<i>For Tinted Glass, Add</i>	46.72	
			<i>For Obscure Glass, Add</i>	107.07	
08 53 13 00-0271	EA		56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	457.23	27.62
			<i>For Colored Vinyl, Add</i>	40.20	
			<i>For Low-E Insulated Glass, Add</i>	100.50	
			<i>For Tinted Glass, Add</i>	48.24	
			<i>For Obscure Glass, Add</i>	110.55	
08 53 13 00-0272			60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0273	EA		33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	433.69	24.51
			<i>For Colored Vinyl, Add</i>	38.47	
			<i>For Low-E Insulated Glass, Add</i>	96.17	
			<i>For Tinted Glass, Add</i>	46.16	
			<i>For Obscure Glass, Add</i>	105.79	
08 53 13 00-0274	EA		40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	449.03	26.06
			<i>For Colored Vinyl, Add</i>	39.73	
			<i>For Low-E Insulated Glass, Add</i>	99.32	
			<i>For Tinted Glass, Add</i>	47.67	
			<i>For Obscure Glass, Add</i>	109.25	
08 53 13 00-0275	EA		48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	464.73	27.62
			<i>For Colored Vinyl, Add</i>	40.99	
			<i>For Low-E Insulated Glass, Add</i>	102.47	
			<i>For Tinted Glass, Add</i>	49.19	
			<i>For Obscure Glass, Add</i>	112.72	
08 53 13 00-0276	EA		56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	480.72	28.98
			<i>For Colored Vinyl, Add</i>	42.28	
			<i>For Low-E Insulated Glass, Add</i>	105.69	
			<i>For Tinted Glass, Add</i>	50.73	
			<i>For Obscure Glass, Add</i>	116.26	
08 53 13 00-0277			64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0278	EA		33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	455.27	25.48
			<i>For Colored Vinyl, Add</i>	40.43	
			<i>For Low-E Insulated Glass, Add</i>	101.08	
			<i>For Tinted Glass, Add</i>	48.52	
			<i>For Obscure Glass, Add</i>	111.19	
08 53 13 00-0279	EA		40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	470.59	26.84
			<i>For Colored Vinyl, Add</i>	41.69	
			<i>For Low-E Insulated Glass, Add</i>	104.23	
			<i>For Tinted Glass, Add</i>	50.03	
			<i>For Obscure Glass, Add</i>	114.65	
08 53 13 00-0280	EA		48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	486.25	28.40
			<i>For Colored Vinyl, Add</i>	42.95	
			<i>For Low-E Insulated Glass, Add</i>	107.37	
			<i>For Tinted Glass, Add</i>	51.54	
			<i>For Obscure Glass, Add</i>	118.10	
08 53 13 00-0281	EA		56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	502.30	29.95
			<i>For Colored Vinyl, Add</i>	44.24	
			<i>For Low-E Insulated Glass, Add</i>	110.60	
			<i>For Tinted Glass, Add</i>	53.09	
			<i>For Obscure Glass, Add</i>	121.66	
08 53 13 00-0282			72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0283	EA		33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	478.88	26.84
			<i>For Colored Vinyl, Add</i>	42.52	
			<i>For Low-E Insulated Glass, Add</i>	106.30	
			<i>For Tinted Glass, Add</i>	51.03	
			<i>For Obscure Glass, Add</i>	116.93	
08 53 13 00-0284	EA		40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	494.22	28.40
			<i>For Colored Vinyl, Add</i>	43.78	
			<i>For Low-E Insulated Glass, Add</i>	109.46	
			<i>For Tinted Glass, Add</i>	52.54	
			<i>For Obscure Glass, Add</i>	120.40	
08 53 13 00-0285	EA		48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	509.94	29.95
			<i>For Colored Vinyl, Add</i>	45.04	
			<i>For Low-E Insulated Glass, Add</i>	112.61	
			<i>For Tinted Glass, Add</i>	54.05	
			<i>For Obscure Glass, Add</i>	123.87	
08 53 13 00-0286	EA		56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	525.95	31.31
			<i>For Colored Vinyl, Add</i>	46.33	
			<i>For Low-E Insulated Glass, Add</i>	115.83	
			<i>For Tinted Glass, Add</i>	55.60	
			<i>For Obscure Glass, Add</i>	127.41	
08 53 13 00-0287			Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0288	36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0289	EA 62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	429.91	25.29
	For Colored Vinyl, Add	37.94	
	For Low-E Insulated Glass, Add	94.84	
	For Tinted Glass, Add	45.52	
	For Obscure Glass, Add	104.32	
08 53 13 00-0290	EA 72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	449.78	27.23
	For Colored Vinyl, Add	39.53	
	For Low-E Insulated Glass, Add	98.83	
	For Tinted Glass, Add	47.44	
	For Obscure Glass, Add	108.71	
08 53 13 00-0291	EA 86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	485.69	30.14
	For Colored Vinyl, Add	42.54	
	For Low-E Insulated Glass, Add	106.35	
	For Tinted Glass, Add	51.05	
	For Obscure Glass, Add	116.98	
08 53 13 00-0292	40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0293	EA 62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	458.51	26.45
	For Colored Vinyl, Add	40.60	
	For Low-E Insulated Glass, Add	101.50	
	For Tinted Glass, Add	48.72	
	For Obscure Glass, Add	111.65	
08 53 13 00-0294	EA 72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	478.54	28.20
	For Colored Vinyl, Add	42.21	
	For Low-E Insulated Glass, Add	105.54	
	For Tinted Glass, Add	50.66	
	For Obscure Glass, Add	116.09	
08 53 13 00-0295	EA 86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	516.59	31.12
	For Colored Vinyl, Add	45.44	
	For Low-E Insulated Glass, Add	113.59	
	For Tinted Glass, Add	54.52	
	For Obscure Glass, Add	124.95	
08 53 13 00-0296	48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0297	EA 62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	484.85	28.00
	For Colored Vinyl, Add	42.88	
	For Low-E Insulated Glass, Add	107.21	
	For Tinted Glass, Add	51.46	
	For Obscure Glass, Add	117.93	
08 53 13 00-0298	EA 72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	508.85	29.76
	For Colored Vinyl, Add	44.93	
	For Low-E Insulated Glass, Add	112.34	
	For Tinted Glass, Add	53.92	
	For Obscure Glass, Add	123.57	
08 53 13 00-0299	EA 86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	548.75	32.68
	For Colored Vinyl, Add	48.34	
	For Low-E Insulated Glass, Add	120.85	
	For Tinted Glass, Add	58.01	
	For Obscure Glass, Add	132.94	
08 53 13 00-0300	52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0301	EA 62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	512.14	28.78
	For Colored Vinyl, Add	45.46	
	For Low-E Insulated Glass, Add	113.64	
	For Tinted Glass, Add	54.55	
	For Obscure Glass, Add	125.01	
08 53 13 00-0302	EA 72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	537.66	30.73
	For Colored Vinyl, Add	47.62	
	For Low-E Insulated Glass, Add	119.05	
	For Tinted Glass, Add	57.14	
	For Obscure Glass, Add	130.96	
08 53 13 00-0303	EA 86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	583.64	33.45
	For Colored Vinyl, Add	51.67	
	For Low-E Insulated Glass, Add	129.18	
	For Tinted Glass, Add	62.01	
	For Obscure Glass, Add	142.10	
08 53 13 00-0304	60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0305	EA 62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	540.59	30.14
	For Colored Vinyl, Add	48.03	
	For Low-E Insulated Glass, Add	120.07	
	For Tinted Glass, Add	57.63	
	For Obscure Glass, Add	132.08	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0306	EA		72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	567.22	32.09
			<i>For Colored Vinyl, Add</i>	50.30	
			<i>For Low-E Insulated Glass, Add</i>	125.76	
			<i>For Tinted Glass, Add</i>	60.36	
			<i>For Obscure Glass, Add</i>	138.34	
08 53 13 00-0307	EA		86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	619.67	34.82
			<i>For Colored Vinyl, Add</i>	55.01	
			<i>For Low-E Insulated Glass, Add</i>	137.51	
			<i>For Tinted Glass, Add</i>	66.01	
			<i>For Obscure Glass, Add</i>	151.26	
08 53 13 00-0308			64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0309	EA		62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	571.58	31.12
			<i>For Colored Vinyl, Add</i>	50.94	
			<i>For Low-E Insulated Glass, Add</i>	127.34	
			<i>For Tinted Glass, Add</i>	61.12	
			<i>For Obscure Glass, Add</i>	140.07	
08 53 13 00-0310	EA		72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	598.21	33.06
			<i>For Colored Vinyl, Add</i>	53.21	
			<i>For Low-E Insulated Glass, Add</i>	133.02	
			<i>For Tinted Glass, Add</i>	63.85	
			<i>For Obscure Glass, Add</i>	146.32	
08 53 13 00-0311	EA		86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	650.66	35.79
			<i>For Colored Vinyl, Add</i>	57.91	
			<i>For Low-E Insulated Glass, Add</i>	144.77	
			<i>For Tinted Glass, Add</i>	69.49	
			<i>For Obscure Glass, Add</i>	159.25	
08 53 13 00-0312			72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0313	EA		62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	603.43	32.48
			<i>For Colored Vinyl, Add</i>	53.85	
			<i>For Low-E Insulated Glass, Add</i>	134.62	
			<i>For Tinted Glass, Add</i>	64.62	
			<i>For Obscure Glass, Add</i>	148.08	
08 53 13 00-0314	EA		72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	630.06	34.42
			<i>For Colored Vinyl, Add</i>	56.12	
			<i>For Low-E Insulated Glass, Add</i>	140.30	
			<i>For Tinted Glass, Add</i>	67.35	
			<i>For Obscure Glass, Add</i>	154.33	
08 53 13 00-0315	EA		86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	682.51	37.15
			<i>For Colored Vinyl, Add</i>	60.82	
			<i>For Low-E Insulated Glass, Add</i>	152.05	
			<i>For Tinted Glass, Add</i>	72.99	
			<i>For Obscure Glass, Add</i>	167.26	
08 53 13 00-0316			Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0203)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317			One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0318	EA		Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	221.08	16.54
			<i>For Low-E Insulated Glass, Add</i>	47.01	
			<i>For Colored Vinyl, Add</i>	18.80	
			<i>For Tinted Glass, Add</i>	22.56	
			<i>For Obscure Glass, Add</i>	51.71	
08 53 13 00-0319	EA		>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	251.15	18.47
			<i>For Low-E Insulated Glass, Add</i>	53.55	
			<i>For Colored Vinyl, Add</i>	21.42	
			<i>For Tinted Glass, Add</i>	25.70	
			<i>For Obscure Glass, Add</i>	58.90	
08 53 13 00-0320	EA		>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	278.24	20.42
			<i>For Low-E Insulated Glass, Add</i>	59.35	
			<i>For Colored Vinyl, Add</i>	23.74	
			<i>For Tinted Glass, Add</i>	28.49	
			<i>For Obscure Glass, Add</i>	65.29	
08 53 13 00-0321	EA		>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	302.38	22.37
			<i>For Low-E Insulated Glass, Add</i>	64.41	
			<i>For Colored Vinyl, Add</i>	25.77	
			<i>For Tinted Glass, Add</i>	30.92	
			<i>For Obscure Glass, Add</i>	70.85	
08 53 13 00-0322	EA		>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	323.57	24.31
			<i>For Low-E Insulated Glass, Add</i>	68.74	
			<i>For Colored Vinyl, Add</i>	27.49	
			<i>For Tinted Glass, Add</i>	32.99	
			<i>For Obscure Glass, Add</i>	75.61	
08 53 13 00-0323	EA		>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	336.17	26.26
			<i>For Low-E Insulated Glass, Add</i>	70.92	
			<i>For Colored Vinyl, Add</i>	28.37	
			<i>For Tinted Glass, Add</i>	34.04	
			<i>For Obscure Glass, Add</i>	78.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0324	UI		>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	3.32	0.25
			For Low-E Insulated Glass, Add	0.70	
			For Colored Vinyl, Add	0.28	
			For Tinted Glass, Add	0.34	
			For Obscure Glass, Add	0.77	
08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)					
08 53 13 00-0326	EA		Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	369.96	20.42
			For Low-E Insulated Glass, Add	82.28	
			For Colored Vinyl, Add	32.91	
			For Tinted Glass, Add	39.49	
			For Obscure Glass, Add	90.51	
08 53 13 00-0327	EA		>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	406.66	22.37
			For Low-E Insulated Glass, Add	90.48	
			For Colored Vinyl, Add	36.19	
			For Tinted Glass, Add	43.43	
			For Obscure Glass, Add	99.53	
08 53 13 00-0328	EA		>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	440.42	24.31
			For Low-E Insulated Glass, Add	97.95	
			For Colored Vinyl, Add	39.18	
			For Tinted Glass, Add	47.01	
			For Obscure Glass, Add	107.74	
08 53 13 00-0329	EA		>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	463.07	26.26
			For Low-E Insulated Glass, Add	102.64	
			For Colored Vinyl, Add	41.06	
			For Tinted Glass, Add	49.27	
			For Obscure Glass, Add	112.90	
08 53 13 00-0330	EA		>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	487.29	28.20
			For Low-E Insulated Glass, Add	107.72	
			For Colored Vinyl, Add	43.09	
			For Tinted Glass, Add	51.71	
			For Obscure Glass, Add	118.49	
08 53 13 00-0331	EA		>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	512.62	30.14
			For Low-E Insulated Glass, Add	113.08	
			For Colored Vinyl, Add	45.23	
			For Tinted Glass, Add	54.28	
			For Obscure Glass, Add	124.39	
08 53 13 00-0332	UI		>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	4.28	0.25
			For Low-E Insulated Glass, Add	0.94	
			For Colored Vinyl, Add	0.38	
			For Tinted Glass, Add	0.45	
			For Obscure Glass, Add	1.04	
08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)					
08 53 13 00-0334	EA		Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	386.14	20.42
			For Low-E Insulated Glass, Add	86.33	
			For Colored Vinyl, Add	34.53	
			For Tinted Glass, Add	41.44	
			For Obscure Glass, Add	94.96	
08 53 13 00-0335	EA		>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	424.62	22.37
			For Low-E Insulated Glass, Add	94.97	
			For Colored Vinyl, Add	37.99	
			For Tinted Glass, Add	45.59	
			For Obscure Glass, Add	104.47	
08 53 13 00-0336	EA		>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	461.04	24.31
			For Low-E Insulated Glass, Add	103.10	
			For Colored Vinyl, Add	41.24	
			For Tinted Glass, Add	49.49	
			For Obscure Glass, Add	113.41	
08 53 13 00-0337	EA		>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	485.47	26.26
			For Low-E Insulated Glass, Add	108.24	
			For Colored Vinyl, Add	43.30	
			For Tinted Glass, Add	51.96	
			For Obscure Glass, Add	119.06	
08 53 13 00-0338	EA		>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	511.68	28.20
			For Low-E Insulated Glass, Add	113.82	
			For Colored Vinyl, Add	45.53	
			For Tinted Glass, Add	54.63	
			For Obscure Glass, Add	125.20	
08 53 13 00-0339	EA		>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	539.23	30.14
			For Low-E Insulated Glass, Add	119.73	
			For Colored Vinyl, Add	47.89	
			For Tinted Glass, Add	57.47	
			For Obscure Glass, Add	131.71	
08 53 13 00-0340	UI		>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	4.50	0.25
			For Low-E Insulated Glass, Add	1.00	
			For Colored Vinyl, Add	0.40	
			For Tinted Glass, Add	0.48	
			For Obscure Glass, Add	1.10	
08 53 13 00-0341 Awning Vinyl Windows (08 53 13)					

08 Openings**08 50 Windows****08 53 Plastic Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0342			New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0341) Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0343			Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0342)		
08 53 13 00-0344			17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0345	EA		24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	222.84	15.95
			For Colored Vinyl, Add	19.09	
			For Low-E Insulated Glass, Add	47.74	
			For Tinted Glass, Add	22.91	
			For Obscure Glass, Add	52.51	
08 53 13 00-0346	EA		28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	233.26	16.73
			For Colored Vinyl, Add	19.98	
			For Low-E Insulated Glass, Add	49.95	
			For Tinted Glass, Add	23.98	
			For Obscure Glass, Add	54.95	
08 53 13 00-0347	EA		36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	249.29	18.09
			For Colored Vinyl, Add	21.31	
			For Low-E Insulated Glass, Add	53.28	
			For Tinted Glass, Add	25.57	
			For Obscure Glass, Add	58.61	
08 53 13 00-0348	EA		40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	259.60	19.06
			For Colored Vinyl, Add	22.15	
			For Low-E Insulated Glass, Add	55.37	
			For Tinted Glass, Add	26.58	
			For Obscure Glass, Add	60.91	
08 53 13 00-0349	EA		48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	276.51	20.61
			For Colored Vinyl, Add	23.53	
			For Low-E Insulated Glass, Add	58.82	
			For Tinted Glass, Add	28.23	
			For Obscure Glass, Add	64.70	
08 53 13 00-0350			20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0351	EA		24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	235.08	16.73
			For Colored Vinyl, Add	20.20	
			For Low-E Insulated Glass, Add	50.51	
			For Tinted Glass, Add	24.24	
			For Obscure Glass, Add	55.56	
08 53 13 00-0352	EA		28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	245.51	17.50
			For Colored Vinyl, Add	21.09	
			For Low-E Insulated Glass, Add	52.72	
			For Tinted Glass, Add	25.31	
			For Obscure Glass, Add	57.99	
08 53 13 00-0353	EA		36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	262.76	18.68
			For Colored Vinyl, Add	22.54	
			For Low-E Insulated Glass, Add	56.36	
			For Tinted Glass, Add	27.05	
			For Obscure Glass, Add	61.99	
08 53 13 00-0354	EA		40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	273.09	19.84
			For Colored Vinyl, Add	23.38	
			For Low-E Insulated Glass, Add	58.45	
			For Tinted Glass, Add	28.06	
			For Obscure Glass, Add	64.30	
08 53 13 00-0355	EA		48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	291.22	21.20
			For Colored Vinyl, Add	24.88	
			For Low-E Insulated Glass, Add	62.21	
			For Tinted Glass, Add	29.86	
			For Obscure Glass, Add	68.43	
08 53 13 00-0356			24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0357	EA		24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	242.79	17.50
			For Colored Vinyl, Add	20.82	
			For Low-E Insulated Glass, Add	52.04	
			For Tinted Glass, Add	24.98	
			For Obscure Glass, Add	57.25	
08 53 13 00-0358	EA		28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	253.22	18.28
			For Colored Vinyl, Add	21.70	
			For Low-E Insulated Glass, Add	54.26	
			For Tinted Glass, Add	26.04	
			For Obscure Glass, Add	59.69	
08 53 13 00-0359	EA		36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	271.09	19.45
			For Colored Vinyl, Add	23.22	
			For Low-E Insulated Glass, Add	58.05	
			For Tinted Glass, Add	27.86	
			For Obscure Glass, Add	63.85	
08 53 13 00-0360	EA		40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	282.40	20.61
			For Colored Vinyl, Add	24.16	
			For Low-E Insulated Glass, Add	60.39	
			For Tinted Glass, Add	28.99	
			For Obscure Glass, Add	66.43	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0361	EA		48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	300.78	21.98
			<i>For Colored Vinyl, Add</i>	25.68	
			<i>For Low-E Insulated Glass, Add</i>	64.21	
			<i>For Tinted Glass, Add</i>	30.82	
			<i>For Obscure Glass, Add</i>	70.63	
08 53 13 00-0362			28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0363	EA		24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	250.52	18.28
			<i>For Colored Vinyl, Add</i>	21.43	
			<i>For Low-E Insulated Glass, Add</i>	53.59	
			<i>For Tinted Glass, Add</i>	25.72	
			<i>For Obscure Glass, Add</i>	58.94	
08 53 13 00-0364	EA		28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	260.94	19.06
			<i>For Colored Vinyl, Add</i>	22.32	
			<i>For Low-E Insulated Glass, Add</i>	55.80	
			<i>For Tinted Glass, Add</i>	26.79	
			<i>For Obscure Glass, Add</i>	61.38	
08 53 13 00-0365	EA		36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	279.43	20.23
			<i>For Colored Vinyl, Add</i>	23.90	
			<i>For Low-E Insulated Glass, Add</i>	59.75	
			<i>For Tinted Glass, Add</i>	28.68	
			<i>For Obscure Glass, Add</i>	65.72	
08 53 13 00-0366	EA		40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	291.67	21.39
			<i>For Colored Vinyl, Add</i>	24.93	
			<i>For Low-E Insulated Glass, Add</i>	62.32	
			<i>For Tinted Glass, Add</i>	29.91	
			<i>For Obscure Glass, Add</i>	68.55	
08 53 13 00-0367	EA		48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	310.36	22.75
			<i>For Colored Vinyl, Add</i>	26.49	
			<i>For Low-E Insulated Glass, Add</i>	66.21	
			<i>For Tinted Glass, Add</i>	31.78	
			<i>For Obscure Glass, Add</i>	72.83	
08 53 13 00-0368			36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0369	EA		36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	295.70	21.59
			<i>For Colored Vinyl, Add</i>	25.25	
			<i>For Low-E Insulated Glass, Add</i>	63.13	
			<i>For Tinted Glass, Add</i>	30.30	
			<i>For Obscure Glass, Add</i>	69.44	
08 53 13 00-0370	EA		40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	307.94	22.56
			<i>For Colored Vinyl, Add</i>	26.28	
			<i>For Low-E Insulated Glass, Add</i>	65.71	
			<i>For Tinted Glass, Add</i>	31.54	
			<i>For Obscure Glass, Add</i>	72.28	
08 53 13 00-0371	EA		48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	327.86	24.12
			<i>For Colored Vinyl, Add</i>	27.96	
			<i>For Low-E Insulated Glass, Add</i>	69.91	
			<i>For Tinted Glass, Add</i>	33.56	
			<i>For Obscure Glass, Add</i>	76.90	
08 53 13 00-0372			Replacement, Awning Vinyl Windows (Silver Line 7400) <small>(08 53 13 00-0341)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373	EA		Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	232.84	16.54
			<i>For Low-E Insulated Glass, Add</i>	49.95	
			<i>For Colored Vinyl, Add</i>	19.98	
			<i>For Tinted Glass, Add</i>	23.97	
			<i>For Obscure Glass, Add</i>	54.94	
08 53 13 00-0374	EA		>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	269.77	18.47
			<i>For Low-E Insulated Glass, Add</i>	58.20	
			<i>For Colored Vinyl, Add</i>	23.28	
			<i>For Tinted Glass, Add</i>	27.94	
			<i>For Obscure Glass, Add</i>	64.02	
08 53 13 00-0375	EA		>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	305.21	20.42
			<i>For Low-E Insulated Glass, Add</i>	66.09	
			<i>For Colored Vinyl, Add</i>	26.44	
			<i>For Tinted Glass, Add</i>	31.72	
			<i>For Obscure Glass, Add</i>	72.70	
08 53 13 00-0376	EA		>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	339.18	22.37
			<i>For Low-E Insulated Glass, Add</i>	73.61	
			<i>For Colored Vinyl, Add</i>	29.45	
			<i>For Tinted Glass, Add</i>	35.33	
			<i>For Obscure Glass, Add</i>	80.97	
08 53 13 00-0377	EA		>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	371.69	24.31
			<i>For Low-E Insulated Glass, Add</i>	80.77	
			<i>For Colored Vinyl, Add</i>	32.31	
			<i>For Tinted Glass, Add</i>	38.77	
			<i>For Obscure Glass, Add</i>	88.84	
08 53 13 00-0378	EA		>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	388.43	26.26
			<i>For Low-E Insulated Glass, Add</i>	83.98	
			<i>For Colored Vinyl, Add</i>	33.59	
			<i>For Tinted Glass, Add</i>	40.31	
			<i>For Obscure Glass, Add</i>	92.38	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION		
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT	COST
08 53 13 00-0379	UI	>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....		3.84		0.25
		<i>For Low-E Insulated Glass, Add</i>		0.83		
		<i>For Colored Vinyl, Add</i>		0.33		
		<i>For Tinted Glass, Add</i>		0.40		
		<i>For Obscure Glass, Add</i>		0.92		
08 53 13 00-0380		Horizontal Sliding Vinyl Windows <small>(08 53 13)</small>				
08 53 13 00-0381		New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0380)</small>				
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.				
08 53 13 00-0382		20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>				
08 53 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....		126.97		19.06
		<i>For Colored Vinyl, Add</i>		8.92		
		<i>For Low-E Insulated Glass, Add</i>		22.31		
		<i>For Tinted Glass, Add</i>		10.71		
		<i>For Obscure Glass, Add</i>		24.54		
08 53 13 00-0384	EA	48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....		140.39		21.39
		<i>For Colored Vinyl, Add</i>		9.80		
		<i>For Low-E Insulated Glass, Add</i>		24.50		
		<i>For Tinted Glass, Add</i>		11.76		
		<i>For Obscure Glass, Add</i>		26.95		
08 53 13 00-0385	EA	54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....		147.09		22.37
		<i>For Colored Vinyl, Add</i>		10.24		
		<i>For Low-E Insulated Glass, Add</i>		25.59		
		<i>For Tinted Glass, Add</i>		12.28		
		<i>For Obscure Glass, Add</i>		28.15		
08 53 13 00-0386	EA	60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....		153.80		23.53
		<i>For Colored Vinyl, Add</i>		10.67		
		<i>For Low-E Insulated Glass, Add</i>		26.69		
		<i>For Tinted Glass, Add</i>		12.81		
		<i>For Obscure Glass, Add</i>		29.35		
08 53 13 00-0387	EA	64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....		158.28		24.51
		<i>For Colored Vinyl, Add</i>		10.97		
		<i>For Low-E Insulated Glass, Add</i>		27.41		
		<i>For Tinted Glass, Add</i>		13.16		
		<i>For Obscure Glass, Add</i>		30.15		
08 53 13 00-0388	EA	72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....		167.23		25.86
		<i>For Colored Vinyl, Add</i>		11.55		
		<i>For Low-E Insulated Glass, Add</i>		28.87		
		<i>For Tinted Glass, Add</i>		13.86		
		<i>For Obscure Glass, Add</i>		31.76		
08 53 13 00-0389		24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>				
08 53 13 00-0390	EA	36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....		133.45		19.84
		<i>For Colored Vinyl, Add</i>		9.42		
		<i>For Low-E Insulated Glass, Add</i>		23.54		
		<i>For Tinted Glass, Add</i>		11.30		
		<i>For Obscure Glass, Add</i>		25.89		
08 53 13 00-0391	EA	48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....		147.26		22.17
		<i>For Colored Vinyl, Add</i>		10.33		
		<i>For Low-E Insulated Glass, Add</i>		25.83		
		<i>For Tinted Glass, Add</i>		12.40		
		<i>For Obscure Glass, Add</i>		28.41		
08 53 13 00-0392	EA	54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....		154.22		23.15
		<i>For Colored Vinyl, Add</i>		10.79		
		<i>For Low-E Insulated Glass, Add</i>		26.99		
		<i>For Tinted Glass, Add</i>		12.95		
		<i>For Obscure Glass, Add</i>		29.68		
08 53 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....		161.10		24.31
		<i>For Colored Vinyl, Add</i>		11.25		
		<i>For Low-E Insulated Glass, Add</i>		28.12		
		<i>For Tinted Glass, Add</i>		13.50		
		<i>For Obscure Glass, Add</i>		30.93		
08 53 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....		165.70		25.29
		<i>For Colored Vinyl, Add</i>		11.55		
		<i>For Low-E Insulated Glass, Add</i>		28.88		
		<i>For Tinted Glass, Add</i>		13.86		
		<i>For Obscure Glass, Add</i>		31.77		
08 53 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....		174.91		26.64
		<i>For Colored Vinyl, Add</i>		12.16		
		<i>For Low-E Insulated Glass, Add</i>		30.41		
		<i>For Tinted Glass, Add</i>		14.59		
		<i>For Obscure Glass, Add</i>		33.45		
08 53 13 00-0396		36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>				
08 53 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....		153.01		22.17
		<i>For Colored Vinyl, Add</i>		10.91		
		<i>For Low-E Insulated Glass, Add</i>		27.27		
		<i>For Tinted Glass, Add</i>		13.09		
		<i>For Obscure Glass, Add</i>		29.99		



		Openings	08
		Windows	08 50
		Plastic Windows	08 53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0398	EA		48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	168.13	24.51
			<i>For Colored Vinyl, Add</i>	11.95	
			<i>For Low-E Insulated Glass, Add</i>	29.88	
			<i>For Tinted Glass, Add</i>	14.34	
			<i>For Obscure Glass, Add</i>	32.86	
08 53 13 00-0399	EA		54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	175.69	25.48
			<i>For Colored Vinyl, Add</i>	12.47	
			<i>For Low-E Insulated Glass, Add</i>	31.18	
			<i>For Tinted Glass, Add</i>	14.97	
			<i>For Obscure Glass, Add</i>	34.30	
08 53 13 00-0400	EA		60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	183.24	26.64
			<i>For Colored Vinyl, Add</i>	13.00	
			<i>For Low-E Insulated Glass, Add</i>	32.49	
			<i>For Tinted Glass, Add</i>	15.59	
			<i>For Obscure Glass, Add</i>	35.74	
08 53 13 00-0401	EA		64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	188.29	27.23
			<i>For Colored Vinyl, Add</i>	13.34	
			<i>For Low-E Insulated Glass, Add</i>	33.36	
			<i>For Tinted Glass, Add</i>	16.01	
			<i>For Obscure Glass, Add</i>	36.70	
08 53 13 00-0402	EA		72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	198.35	28.98
			<i>For Colored Vinyl, Add</i>	14.04	
			<i>For Low-E Insulated Glass, Add</i>	35.10	
			<i>For Tinted Glass, Add</i>	16.85	
			<i>For Obscure Glass, Add</i>	38.61	
08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>					
08 53 13 00-0404	EA		36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	162.79	23.34
			<i>For Colored Vinyl, Add</i>	11.65	
			<i>For Low-E Insulated Glass, Add</i>	29.13	
			<i>For Tinted Glass, Add</i>	13.98	
			<i>For Obscure Glass, Add</i>	32.04	
08 53 13 00-0405	EA		48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	178.56	25.67
			<i>For Colored Vinyl, Add</i>	12.76	
			<i>For Low-E Insulated Glass, Add</i>	31.90	
			<i>For Tinted Glass, Add</i>	15.31	
			<i>For Obscure Glass, Add</i>	35.09	
08 53 13 00-0406	EA		54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	186.44	26.64
			<i>For Colored Vinyl, Add</i>	13.32	
			<i>For Low-E Insulated Glass, Add</i>	33.29	
			<i>For Tinted Glass, Add</i>	15.98	
			<i>For Obscure Glass, Add</i>	36.62	
08 53 13 00-0407	EA		60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	194.32	27.81
			<i>For Colored Vinyl, Add</i>	13.87	
			<i>For Low-E Insulated Glass, Add</i>	34.68	
			<i>For Tinted Glass, Add</i>	16.64	
			<i>For Obscure Glass, Add</i>	38.14	
08 53 13 00-0408	EA		64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	199.56	28.78
			<i>For Colored Vinyl, Add</i>	14.24	
			<i>For Low-E Insulated Glass, Add</i>	35.60	
			<i>For Tinted Glass, Add</i>	17.09	
			<i>For Obscure Glass, Add</i>	39.15	
08 53 13 00-0409	EA		72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	210.08	30.14
			<i>For Colored Vinyl, Add</i>	14.98	
			<i>For Low-E Insulated Glass, Add</i>	37.45	
			<i>For Tinted Glass, Add</i>	17.97	
			<i>For Obscure Glass, Add</i>	41.19	
08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>					
08 53 13 00-0411	EA		36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	166.05	23.72
			<i>For Colored Vinyl, Add</i>	11.90	
			<i>For Low-E Insulated Glass, Add</i>	29.75	
			<i>For Tinted Glass, Add</i>	14.28	
			<i>For Obscure Glass, Add</i>	32.72	
08 53 13 00-0412	EA		48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	182.04	26.06
			<i>For Colored Vinyl, Add</i>	13.03	
			<i>For Low-E Insulated Glass, Add</i>	32.58	
			<i>For Tinted Glass, Add</i>	15.64	
			<i>For Obscure Glass, Add</i>	35.83	
08 53 13 00-0413	EA		54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	190.02	27.03
			<i>For Colored Vinyl, Add</i>	13.60	
			<i>For Low-E Insulated Glass, Add</i>	33.99	
			<i>For Tinted Glass, Add</i>	16.31	
			<i>For Obscure Glass, Add</i>	37.39	
08 53 13 00-0414	EA		60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	198.01	28.20
			<i>For Colored Vinyl, Add</i>	14.16	
			<i>For Low-E Insulated Glass, Add</i>	35.40	
			<i>For Tinted Glass, Add</i>	16.99	
			<i>For Obscure Glass, Add</i>	38.94	
08 53 13 00-0415	EA		64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	203.33	29.17
			<i>For Colored Vinyl, Add</i>	14.54	
			<i>For Low-E Insulated Glass, Add</i>	36.35	
			<i>For Tinted Glass, Add</i>	17.45	
			<i>For Obscure Glass, Add</i>	39.98	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	213.97	30.54
		<i>For Colored Vinyl, Add</i>	15.29	
		<i>For Low-E Insulated Glass, Add</i>	38.23	
		<i>For Tinted Glass, Add</i>	18.35	
		<i>For Obscure Glass, Add</i>	42.05	
08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)				
08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	169.32	24.12
		<i>For Colored Vinyl, Add</i>	12.15	
		<i>For Low-E Insulated Glass, Add</i>	30.37	
		<i>For Tinted Glass, Add</i>	14.58	
		<i>For Obscure Glass, Add</i>	33.41	
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	185.50	26.45
		<i>For Colored Vinyl, Add</i>	13.30	
		<i>For Low-E Insulated Glass, Add</i>	33.25	
		<i>For Tinted Glass, Add</i>	15.96	
		<i>For Obscure Glass, Add</i>	36.57	
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	193.61	27.43
		<i>For Colored Vinyl, Add</i>	13.88	
		<i>For Low-E Insulated Glass, Add</i>	34.69	
		<i>For Tinted Glass, Add</i>	16.65	
		<i>For Obscure Glass, Add</i>	38.16	
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	201.69	28.59
		<i>For Colored Vinyl, Add</i>	14.45	
		<i>For Low-E Insulated Glass, Add</i>	36.13	
		<i>For Tinted Glass, Add</i>	17.34	
		<i>For Obscure Glass, Add</i>	39.74	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	207.08	29.56
		<i>For Colored Vinyl, Add</i>	14.84	
		<i>For Low-E Insulated Glass, Add</i>	37.09	
		<i>For Tinted Glass, Add</i>	17.80	
		<i>For Obscure Glass, Add</i>	40.80	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	217.89	30.92
		<i>For Colored Vinyl, Add</i>	15.60	
		<i>For Low-E Insulated Glass, Add</i>	39.01	
		<i>For Tinted Glass, Add</i>	18.72	
		<i>For Obscure Glass, Add</i>	42.91	
08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)				
08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	172.59	24.51
		<i>For Colored Vinyl, Add</i>	12.40	
		<i>For Low-E Insulated Glass, Add</i>	30.99	
		<i>For Tinted Glass, Add</i>	14.88	
		<i>For Obscure Glass, Add</i>	34.09	
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	188.99	26.84
		<i>For Colored Vinyl, Add</i>	13.57	
		<i>For Low-E Insulated Glass, Add</i>	33.93	
		<i>For Tinted Glass, Add</i>	16.28	
		<i>For Obscure Glass, Add</i>	37.32	
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	197.19	27.81
		<i>For Colored Vinyl, Add</i>	14.16	
		<i>For Low-E Insulated Glass, Add</i>	35.39	
		<i>For Tinted Glass, Add</i>	16.99	
		<i>For Obscure Glass, Add</i>	38.93	
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	205.37	28.98
		<i>For Colored Vinyl, Add</i>	14.74	
		<i>For Low-E Insulated Glass, Add</i>	36.86	
		<i>For Tinted Glass, Add</i>	17.69	
		<i>For Obscure Glass, Add</i>	40.54	
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	210.85	29.95
		<i>For Colored Vinyl, Add</i>	15.13	
		<i>For Low-E Insulated Glass, Add</i>	37.84	
		<i>For Tinted Glass, Add</i>	18.16	
		<i>For Obscure Glass, Add</i>	41.62	
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	221.80	31.31
		<i>For Colored Vinyl, Add</i>	15.92	
		<i>For Low-E Insulated Glass, Add</i>	39.79	
		<i>For Tinted Glass, Add</i>	19.10	
		<i>For Obscure Glass, Add</i>	43.77	
08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)				
08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	175.84	24.89
		<i>For Colored Vinyl, Add</i>	12.64	
		<i>For Low-E Insulated Glass, Add</i>	31.61	
		<i>For Tinted Glass, Add</i>	15.17	
		<i>For Obscure Glass, Add</i>	34.77	
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	192.46	27.23
		<i>For Colored Vinyl, Add</i>	13.84	
		<i>For Low-E Insulated Glass, Add</i>	34.60	
		<i>For Tinted Glass, Add</i>	16.61	
		<i>For Obscure Glass, Add</i>	38.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0434	EA		54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	200.76	28.20
			For Colored Vinyl, Add	14.44	
			For Low-E Insulated Glass, Add	36.09	
			For Tinted Glass, Add	17.32	
			For Obscure Glass, Add	39.70	
08 53 13 00-0435	EA		60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	209.06	29.37
			For Colored Vinyl, Add	15.03	
			For Low-E Insulated Glass, Add	37.58	
			For Tinted Glass, Add	18.04	
			For Obscure Glass, Add	41.34	
08 53 13 00-0436	EA		64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	214.62	30.34
			For Colored Vinyl, Add	15.43	
			For Low-E Insulated Glass, Add	38.58	
			For Tinted Glass, Add	18.52	
			For Obscure Glass, Add	42.44	
08 53 13 00-0437	EA		72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	225.70	31.70
			For Colored Vinyl, Add	16.23	
			For Low-E Insulated Glass, Add	40.57	
			For Tinted Glass, Add	19.47	
			For Obscure Glass, Add	44.63	
08 53 13 00-0438			52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0439	EA		36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	179.11	25.29
			For Colored Vinyl, Add	12.89	
			For Low-E Insulated Glass, Add	32.23	
			For Tinted Glass, Add	15.47	
			For Obscure Glass, Add	35.46	
08 53 13 00-0440	EA		48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	195.94	27.62
			For Colored Vinyl, Add	14.11	
			For Low-E Insulated Glass, Add	35.27	
			For Tinted Glass, Add	16.93	
			For Obscure Glass, Add	38.80	
08 53 13 00-0441	EA		54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	204.35	28.59
			For Colored Vinyl, Add	14.72	
			For Low-E Insulated Glass, Add	36.79	
			For Tinted Glass, Add	17.66	
			For Obscure Glass, Add	40.47	
08 53 13 00-0442	EA		60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	212.77	29.76
			For Colored Vinyl, Add	15.33	
			For Low-E Insulated Glass, Add	38.32	
			For Tinted Glass, Add	18.39	
			For Obscure Glass, Add	42.15	
08 53 13 00-0443	EA		64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	218.38	30.73
			For Colored Vinyl, Add	15.73	
			For Low-E Insulated Glass, Add	39.33	
			For Tinted Glass, Add	18.88	
			For Obscure Glass, Add	43.26	
08 53 13 00-0444	EA		72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	229.60	32.09
			For Colored Vinyl, Add	16.54	
			For Low-E Insulated Glass, Add	41.36	
			For Tinted Glass, Add	19.85	
			For Obscure Glass, Add	45.49	
08 53 13 00-0445			54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446	EA		36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	182.37	25.67
			For Colored Vinyl, Add	13.14	
			For Low-E Insulated Glass, Add	32.85	
			For Tinted Glass, Add	15.77	
			For Obscure Glass, Add	36.14	
08 53 13 00-0447	EA		48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	199.40	28.00
			For Colored Vinyl, Add	14.38	
			For Low-E Insulated Glass, Add	35.95	
			For Tinted Glass, Add	17.25	
			For Obscure Glass, Add	39.54	
08 53 13 00-0448	EA		54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	207.93	28.98
			For Colored Vinyl, Add	15.00	
			For Low-E Insulated Glass, Add	37.50	
			For Tinted Glass, Add	18.00	
			For Obscure Glass, Add	41.24	
08 53 13 00-0449	EA		60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	216.47	30.14
			For Colored Vinyl, Add	15.62	
			For Low-E Insulated Glass, Add	39.04	
			For Tinted Glass, Add	18.74	
			For Obscure Glass, Add	42.95	
08 53 13 00-0450	EA		64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	222.14	31.12
			For Colored Vinyl, Add	16.03	
			For Low-E Insulated Glass, Add	40.07	
			For Tinted Glass, Add	19.23	
			For Obscure Glass, Add	44.08	
08 53 13 00-0451	EA		72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	233.50	32.48
			For Colored Vinyl, Add	16.85	
			For Low-E Insulated Glass, Add	42.14	
			For Tinted Glass, Add	20.22	
			For Obscure Glass, Add	46.35	

08 Openings

08 50 Windows

08 53 Plastic Windows

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0452			60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453	EA		36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	198.70	26.84
			For Colored Vinyl, Add	14.54	
			For Low-E Insulated Glass, Add	36.35	
			For Tinted Glass, Add	17.45	
			For Obscure Glass, Add	39.99	
08 53 13 00-0454	EA		48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	209.83	29.17
			For Colored Vinyl, Add	15.19	
			For Low-E Insulated Glass, Add	37.97	
			For Tinted Glass, Add	18.23	
			For Obscure Glass, Add	41.77	
08 53 13 00-0455	EA		54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	218.70	30.14
			For Colored Vinyl, Add	15.84	
			For Low-E Insulated Glass, Add	39.60	
			For Tinted Glass, Add	19.01	
			For Obscure Glass, Add	43.56	
08 53 13 00-0456	EA		60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	227.54	31.31
			For Colored Vinyl, Add	16.49	
			For Low-E Insulated Glass, Add	41.23	
			For Tinted Glass, Add	19.79	
			For Obscure Glass, Add	45.35	
08 53 13 00-0457	EA		64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	233.43	32.28
			For Colored Vinyl, Add	16.93	
			For Low-E Insulated Glass, Add	42.31	
			For Tinted Glass, Add	20.31	
			For Obscure Glass, Add	46.54	
08 53 13 00-0458	EA		72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	245.22	33.65
			For Colored Vinyl, Add	17.79	
			For Low-E Insulated Glass, Add	44.48	
			For Tinted Glass, Add	21.35	
			For Obscure Glass, Add	48.93	
08 53 13 00-0459			Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) <small>(08 53 13 00-0380)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460	EA		Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	208.10	20.42
			For Low-E Insulated Glass, Add	41.82	
			For Colored Vinyl, Add	16.73	
			For Tinted Glass, Add	20.07	
			For Obscure Glass, Add	46.00	
08 53 13 00-0461	EA		>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	228.76	22.37
			For Low-E Insulated Glass, Add	46.01	
			For Colored Vinyl, Add	18.40	
			For Tinted Glass, Add	22.08	
			For Obscure Glass, Add	50.61	
08 53 13 00-0462	EA		>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	247.96	24.31
			For Low-E Insulated Glass, Add	49.83	
			For Colored Vinyl, Add	19.93	
			For Tinted Glass, Add	23.92	
			For Obscure Glass, Add	54.82	
08 53 13 00-0463	EA		>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	261.52	26.26
			For Low-E Insulated Glass, Add	52.25	
			For Colored Vinyl, Add	20.90	
			For Tinted Glass, Add	25.08	
			For Obscure Glass, Add	57.48	
08 53 13 00-0464	EA		>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	275.91	28.20
			For Low-E Insulated Glass, Add	54.88	
			For Colored Vinyl, Add	21.95	
			For Tinted Glass, Add	26.34	
			For Obscure Glass, Add	60.37	
08 53 13 00-0465	EA		>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	299.77	30.14
			For Low-E Insulated Glass, Add	59.87	
			For Colored Vinyl, Add	23.95	
			For Tinted Glass, Add	28.74	
			For Obscure Glass, Add	65.85	
08 53 13 00-0466	UI		>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	2.51	0.25
			For Low-E Insulated Glass, Add	0.50	
			For Colored Vinyl, Add	0.20	
			For Tinted Glass, Add	0.24	
			For Obscure Glass, Add	0.55	
08 53 13 00-0467			Basement Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0468			New Construction, Basement Vinyl Windows (Silver Line 5900) <small>(08 53 13 00-0467)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469	EA		32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	119.81	15.56
			For Colored Vinyl, Add	8.87	
			For Low-E Insulated Glass, Add	22.17	
			For Tinted Glass, Add	10.64	
			For Obscure Glass, Add	24.39	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0470	EA		32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	130.16	15.56
			For Colored Vinyl, Add	9.90	
			For Low-E Insulated Glass, Add	24.76	
			For Tinted Glass, Add	11.88	
			For Obscure Glass, Add	27.24	
08 53 13 00-0471	EA		32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	136.07	15.56
			For Colored Vinyl, Add	10.50	
			For Low-E Insulated Glass, Add	26.24	
			For Tinted Glass, Add	12.59	
			For Obscure Glass, Add	28.86	
08 53 13 00-0472			Replacement, Basement Vinyl Windows (08 53 13 00-0467)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473	EA		Up To 47" UI, Replacement, Basement Vinyl Window.....	155.99	15.17
			For Low-E Insulated Glass, Add	31.41	
			For Colored Vinyl, Add	12.57	
			For Tinted Glass, Add	15.08	
			For Obscure Glass, Add	34.55	
08 53 13 00-0474	EA		>47" To 55" UI, Replacement, Basement Vinyl Window.....	173.22	17.50
			For Low-E Insulated Glass, Add	34.55	
			For Colored Vinyl, Add	13.82	
			For Tinted Glass, Add	16.59	
			For Obscure Glass, Add	38.01	
08 53 13 00-0475	UI		>55" UI, Replacement, Basement Vinyl Window	3.02	0.25
			For Low-E Insulated Glass, Add	0.63	
			For Colored Vinyl, Add	0.25	
			For Tinted Glass, Add	0.30	
			For Obscure Glass, Add	0.69	
08 53 13 00-0476			Accessories For Vinyl Windows (08 53 13)		
08 53 13 00-0477			Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)		
08 53 13 00-0478			Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0479	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	20.69	
08 53 13 00-0480	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	26.61	
08 53 13 00-0481	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	34.27	
08 53 13 00-0482	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	40.45	
08 53 13 00-0483	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	49.72	
08 53 13 00-0484			Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0485	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	47.03	
08 53 13 00-0486	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	56.44	
08 53 13 00-0487	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	71.22	
08 53 13 00-0488	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	88.69	
08 53 13 00-0489	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	106.16	
08 53 66			Vinyl Window Screens (08 53)		
08 53 66 00-0001			Insect Screens For Vinyl Windows (08 53 66)		
08 53 66 00-0002	EA		Up To 6 SF, Insect Screen For Vinyl Windows	18.64	2.60
08 53 66 00-0003	EA		>6 To 9 SF, Insect Screen For Vinyl Windows	26.70	2.60
08 53 66 00-0004	EA		>9 To 12 SF, Insect Screen For Vinyl Windows	29.39	2.60
08 53 66 00-0005	EA		>12 To 15 SF, Insect Screen For Vinyl Windows	34.76	2.60
08 53 66 00-0006	EA		>15 To 20 SF, Insect Screen For Vinyl Windows	46.86	2.60
08 53 66 00-0007	EA		>20 To 25 SF, Insect Screen For Vinyl Windows	52.23	2.60
08 53 66 00-0008	EA		>25 To 30 SF, Insect Screen For Vinyl Windows	60.30	2.60
08 53 66 00-0009	EA		>30 To 35 SF, Insect Screen For Vinyl Windows	65.67	2.60
08 53 66 00-0010	SF		>35 SF, Insect Screen For Vinyl Windows.....	2.01	0.05
08 56			Special Function Windows (08 50)		
08 56 19			Pass Windows (08 56)		
08 56 19 00-0001			Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19)		
08 56 19 00-0002	EA		24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	2,083.19	295.97
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	45.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	295.00	
08 56 19 00-0003	EA		30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	2,295.57	320.64
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	60.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	370.00	
08 56 19 00-0004	EA		36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	2,413.83	345.30
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	70.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	445.00	

08 Openings**08 50 Windows****08 56 Special Function Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 56 19 00-0005	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,074.71	591.94
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	150.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	975.00	
08 56 19 00-0006	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,022.01	394.63
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	100.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	650.00	

08 56 56 Security Window Screens (08 56)

Note: All security window screens include frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen (08 56 56)**08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)**

08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	12.29	2.21
		For Painted Steel, Add	0.93	
		For Galvanized Steel, Add	1.87	
		For Aluminum, Add	3.73	
		For Stainless Steel, Add	16.33	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	12.56	2.21
		For Painted Steel, Add	0.96	
		For Galvanized Steel, Add	1.92	
		For Aluminum, Add	3.84	
		For Stainless Steel, Add	16.80	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	13.79	2.21
		For Painted Steel, Add	1.08	
		For Galvanized Steel, Add	2.17	
		For Aluminum, Add	4.33	
		For Stainless Steel, Add	18.95	
08 56 56 00-0006	SF	6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	16.42	2.21
		For Painted Steel, Add	1.35	
		For Galvanized Steel, Add	2.69	
		For Aluminum, Add	5.38	
		For Stainless Steel, Add	23.56	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)

08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	17.23	2.71
		For Painted Steel, Add	1.33	
		For Galvanized Steel, Add	2.66	
		For Aluminum, Add	5.32	
		For Stainless Steel, Add	23.26	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	17.64	2.71
		For Painted Steel, Add	1.37	
		For Galvanized Steel, Add	2.74	
		For Aluminum, Add	5.48	
		For Stainless Steel, Add	23.98	
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	19.40	2.71
		For Painted Steel, Add	1.55	
		For Galvanized Steel, Add	3.09	
		For Aluminum, Add	6.18	
		For Stainless Steel, Add	27.06	
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	23.09	2.71
		For Painted Steel, Add	1.92	
		For Galvanized Steel, Add	3.83	
		For Aluminum, Add	7.66	
		For Stainless Steel, Add	33.51	

08 56 56 00-0012 Wire Cloth Security Screen (08 56 56)

Note: Wire cloth has from 10 to 12 strands per 1".

08 56 56 00-0013 Wire Cloth, Inoperable, Security Window Screens (08 56 56 00-0012)

08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	8.03	1.48
		For Painted Steel, Add	0.28	
		For Galvanized Steel, Add	0.83	
		For Aluminum, Add	1.67	
		For Stainless Steel, Add	6.95	
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	8.41	1.48
		For Painted Steel, Add	0.30	
		For Galvanized Steel, Add	0.89	
		For Aluminum, Add	1.78	
		For Stainless Steel, Add	7.43	
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	9.00	1.48
		For Painted Steel, Add	0.33	
		For Galvanized Steel, Add	0.98	
		For Aluminum, Add	1.96	
		For Stainless Steel, Add	8.16	
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	10.12	1.48
		For Painted Steel, Add	0.38	
		For Galvanized Steel, Add	1.15	
		For Aluminum, Add	2.30	
		For Stainless Steel, Add	9.56	

08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens (08 56 56 00-0012)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0019	SF		24 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	10.89	1.97
			<i>For Painted Steel, Add</i>	0.40	
			<i>For Galvanized Steel, Add</i>	1.19	
			<i>For Aluminum, Add</i>	2.38	
			<i>For Stainless Steel, Add</i>	9.91	
08 56 56 00-0020	SF		22 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	11.47	1.97
			<i>For Painted Steel, Add</i>	0.43	
			<i>For Galvanized Steel, Add</i>	1.28	
			<i>For Aluminum, Add</i>	2.55	
			<i>For Stainless Steel, Add</i>	10.64	
08 56 56 00-0021	SF		20 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	12.27	1.97
			<i>For Painted Steel, Add</i>	0.47	
			<i>For Galvanized Steel, Add</i>	1.40	
			<i>For Aluminum, Add</i>	2.79	
			<i>For Stainless Steel, Add</i>	11.64	
08 56 56 00-0022	SF		18 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	13.87	1.97
			<i>For Painted Steel, Add</i>	0.55	
			<i>For Galvanized Steel, Add</i>	1.64	
			<i>For Aluminum, Add</i>	3.27	
			<i>For Stainless Steel, Add</i>	13.64	
08 56 56 00-0023			Expanded Metal Security Screen <small>(08 56 56)</small>		
			Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
08 56 56 00-0024			Expanded Metal, Inoperable, Security Screen <small>(08 56 56 00-0023)</small>		
08 56 56 00-0025	SF		1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	15.30	3.70
			<i>For Painted Steel, Add</i>	0.54	
			<i>For Galvanized Steel, Add</i>	1.63	
			<i>For Aluminum, Add</i>	3.26	
			<i>For Stainless Steel, Add</i>	13.58	
08 56 56 00-0026	SF		1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	17.83	4.44
			<i>For Painted Steel, Add</i>	0.62	
			<i>For Galvanized Steel, Add</i>	1.86	
			<i>For Aluminum, Add</i>	3.72	
			<i>For Stainless Steel, Add</i>	15.51	
08 56 56 00-0027	SF		3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	19.95	5.42
			<i>For Painted Steel, Add</i>	0.68	
			<i>For Galvanized Steel, Add</i>	2.03	
			<i>For Aluminum, Add</i>	4.06	
			<i>For Stainless Steel, Add</i>	16.93	
08 56 56 00-0028	SF		3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	23.35	6.41
			<i>For Painted Steel, Add</i>	0.77	
			<i>For Galvanized Steel, Add</i>	2.32	
			<i>For Aluminum, Add</i>	4.64	
			<i>For Stainless Steel, Add</i>	19.33	
08 56 56 00-0029	SF		1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	21.74	6.17
			<i>For Painted Steel, Add</i>	0.72	
			<i>For Galvanized Steel, Add</i>	2.15	
			<i>For Aluminum, Add</i>	4.30	
			<i>For Stainless Steel, Add</i>	17.93	
08 56 56 00-0030	SF		3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen	27.41	7.89
			<i>For Painted Steel, Add</i>	0.90	
			<i>For Galvanized Steel, Add</i>	2.70	
			<i>For Aluminum, Add</i>	5.41	
			<i>For Stainless Steel, Add</i>	22.54	
08 56 56 00-0031			Expanded Metal, Operable, Security Screen <small>(08 56 56 00-0023)</small>		
08 56 56 00-0032	SF		1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	20.88	4.44
			<i>For Painted Steel, Add</i>	0.77	
			<i>For Galvanized Steel, Add</i>	2.32	
			<i>For Aluminum, Add</i>	4.64	
			<i>For Stainless Steel, Add</i>	19.33	
08 56 56 00-0033	SF		1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	24.12	5.42
			<i>For Painted Steel, Add</i>	0.89	
			<i>For Galvanized Steel, Add</i>	2.66	
			<i>For Aluminum, Add</i>	5.31	
			<i>For Stainless Steel, Add</i>	22.14	
08 56 56 00-0034	SF		3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	26.71	6.17
			<i>For Painted Steel, Add</i>	0.97	
			<i>For Galvanized Steel, Add</i>	2.90	
			<i>For Aluminum, Add</i>	5.79	
			<i>For Stainless Steel, Add</i>	24.14	
08 56 56 00-0035	SF		1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	28.82	6.91
			<i>For Painted Steel, Add</i>	1.02	
			<i>For Galvanized Steel, Add</i>	3.07	
			<i>For Aluminum, Add</i>	6.13	
			<i>For Stainless Steel, Add</i>	25.55	
08 56 56 00-0036	SF		3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	31.41	7.89
			<i>For Painted Steel, Add</i>	1.10	
			<i>For Galvanized Steel, Add</i>	3.30	
			<i>For Aluminum, Add</i>	6.61	
			<i>For Stainless Steel, Add</i>	27.54	
08 56 56 00-0037	SF		3 LB/SF Expanded Metal, Operable, Steel Security Window Screen	36.04	8.64
			<i>For Painted Steel, Add</i>	1.28	
			<i>For Galvanized Steel, Add</i>	3.85	
			<i>For Aluminum, Add</i>	7.70	
			<i>For Stainless Steel, Add</i>	32.10	

08 Openings**08 50 Windows****08 56 Special Function Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 56 56 00-0038	Perforated Metal Security Screen (08 56 56)		
08 56 56 00-0039	Perforated Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0039)		
08 56 56 00-0040	SF 22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	13.77	2.21
	For Painted Steel, Add	0.54	
	For Galvanized Steel, Add	1.62	
	For Aluminum, Add	3.24	
	For Stainless Steel, Add	10.81	
08 56 56 00-0041	SF 20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	14.20	2.21
	For Painted Steel, Add	0.56	
	For Galvanized Steel, Add	1.69	
	For Aluminum, Add	3.37	
	For Stainless Steel, Add	11.24	
08 56 56 00-0042	SF 18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	15.64	2.21
	For Painted Steel, Add	0.63	
	For Galvanized Steel, Add	1.90	
	For Aluminum, Add	3.80	
	For Stainless Steel, Add	12.68	
08 56 56 00-0043	SF 16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	18.37	2.21
	For Painted Steel, Add	0.77	
	For Galvanized Steel, Add	2.31	
	For Aluminum, Add	4.62	
	For Stainless Steel, Add	15.41	
08 56 56 00-0044	Perforated Metal, Operable, Steel Security Window Screen (08 56 56 00-0038)		
08 56 56 00-0045	SF 22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	19.29	2.71
	For Painted Steel, Add	0.77	
	For Galvanized Steel, Add	2.30	
	For Aluminum, Add	4.61	
	For Stainless Steel, Add	15.35	
08 56 56 00-0046	SF 20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	20.04	2.71
	For Painted Steel, Add	0.81	
	For Galvanized Steel, Add	2.42	
	For Aluminum, Add	4.83	
	For Stainless Steel, Add	16.10	
08 56 56 00-0047	SF 18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	21.92	2.71
	For Painted Steel, Add	0.90	
	For Galvanized Steel, Add	2.70	
	For Aluminum, Add	5.39	
	For Stainless Steel, Add	17.98	
08 56 56 00-0048	SF 16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	25.82	2.71
	For Painted Steel, Add	1.09	
	For Galvanized Steel, Add	3.28	
	For Aluminum, Add	6.56	
	For Stainless Steel, Add	21.88	
08 56 56 00-0049	Remove And Reinstall Security Screens And Guards (08 56 56)		
08 56 56 00-0050	SF Removal And Reinstallation Of Security Screens	6.23	

08 60 Roof Windows And Skylights (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights (08 60)**08 62 23 Tubular Skylights (08 62)**

08 62 23 00-0001	Aluminum Framed Solar Tube Skylights (08 62 23)		
	Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.		
08 62 23 00-0002	31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)		
08 62 23 00-0003	EA 2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	579.74	59.29
	For Class 3 Hail Rated, Add	4.00	
	For Polycarbonate Diffuser Lens, Add	7.00	
	For High Velocity Hurricane Zone Rated, Add	14.00	
	For FM Approved, Add	20.00	
	For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
	For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
	For Single Blade Louver, Add	504.06	
08 62 23 00-0004	EA 3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	614.81	60.77
	For Class 3 Hail Rated, Add	4.00	
	For Polycarbonate Diffuser Lens, Add	7.00	
	For High Velocity Hurricane Zone Rated, Add	14.00	
	For FM Approved, Add	20.00	
	For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
	For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
	For Single Blade Louver, Add	504.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0005	EA		4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	648.80	62.25
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	504.65	
08 62 23 00-0006	EA		5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	697.78	63.74
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	504.95	
08 62 23 00-0007	EA		6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	740.33	65.22
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	505.24	
08 62 23 00-0008	EA		7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	774.33	66.70
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	505.54	
08 62 23 00-0009	EA		8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	808.32	68.18
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	505.84	
08 62 23 00-0010	EA		9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	865.85	69.66
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	506.13	
08 62 23 00-0011	EA		10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	899.84	71.14
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	506.43	
08 62 23 00-0012	EA		11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	934.92	72.62
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	506.73	
08 62 23 00-0013	EA		12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	968.91	74.10
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	507.02	
08 62 23 00-0014	EA		13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,026.44	75.59
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	507.32	

08 Openings**08 60 Roof Windows And Skylights****08 62 Unit Skylights**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,060.43	77.08
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	507.61	
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,094.43	78.56
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	507.91	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,128.43	80.04
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	508.21	
08 62 23 00-0018		31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	724.19	59.29
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	504.06	
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	773.17	60.77
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	504.35	
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	822.14	62.25
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	504.65	
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	871.12	63.74
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	504.95	
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	952.19	65.22
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	505.24	
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,001.17	66.70
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	505.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0025	EA		8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,050.14	68.18
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	505.84	
08 62 23 00-0026	EA		9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,131.21	69.66
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	506.13	
08 62 23 00-0027	EA		10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,180.18	71.14
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	506.43	
08 62 23 00-0028	EA		11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,229.17	72.62
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	506.73	
08 62 23 00-0029	EA		12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,278.14	74.10
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	507.02	
08 62 23 00-0030	EA		13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,359.21	75.59
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	507.32	
08 62 23 00-0031	EA		14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,408.18	77.08
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	507.61	
08 62 23 00-0032	EA		15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,457.16	78.56
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	507.91	
08 62 23 00-0033	EA		16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,506.14	80.04
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	508.21	
08 62 23 00-0034			55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)		

08 Openings**08 60 Roof Windows And Skylights****08 62 Unit Skylights**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	988.33	66.70
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	505.54	
08 62 23 00-0036	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,057.63	68.18
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	505.84	
08 62 23 00-0037	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,128.00	69.66
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	506.13	
08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,197.30	71.14
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	506.43	
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,309.42	72.62
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	506.73	
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,378.72	74.10
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	507.02	
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,448.02	75.59
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	507.32	
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,561.19	77.08
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	507.61	
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,630.50	78.56
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	507.91	
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,699.81	80.04
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	508.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0045	EA		12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,769.11	81.52
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	508.50	
08 62 23 00-0046	EA		13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,881.21	83.00
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	508.80	
08 62 23 00-0047	EA		14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,950.52	84.48
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	509.10	
08 62 23 00-0048	EA		15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,020.89	85.96
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	509.39	
08 62 23 00-0049	EA		16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,090.19	87.45
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	509.69	

08 63 Metal-Framed Skylights (08 60)

08 63 13 Domed Metal-Framed Skylights (08 63)

- 08 63 13 00-0001 Aluminum Framed Skylights (08 63 13)
- 08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)
- 08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)
- 08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0005	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	190.90	29.65
08 63 13 00-0006	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	228.35	29.65
08 63 13 00-0007	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	324.57	33.34
08 63 13 00-0008	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	368.35	37.05
08 63 13 00-0009	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	247.61	29.65
08 63 13 00-0010	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	310.66	33.34
08 63 13 00-0011	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	334.20	33.34
08 63 13 00-0012	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	387.61	37.05
08 63 13 00-0013	EA		39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	457.09	40.76
08 63 13 00-0014	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	314.94	33.34
08 63 13 00-0015	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	348.02	37.05
08 63 13 00-0016	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	392.96	37.05
08 63 13 00-0017	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	432.48	40.76
08 63 13 00-0018	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	480.55	44.47

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	544.67	48.17
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	380.12	37.05
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	418.57	40.76
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	481.62	44.47
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	509.44	44.47
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	594.96	48.17

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	244.40	29.65
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	280.78	29.65
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	366.30	33.34
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	411.15	37.05
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	286.13	29.65
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	340.62	33.34
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	366.30	33.34
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	423.99	37.05
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	478.49	40.76
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	344.90	33.34
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	382.26	37.05
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	411.15	37.05
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	452.81	40.76
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	491.25	44.47
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	556.44	48.17
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	415.43	37.05
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	457.09	40.76
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	504.09	44.47
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	534.05	44.47
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	611.01	48.17

08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	248.68	29.65
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	289.34	29.65
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	378.07	33.34
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	296.83	29.65
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	355.60	33.34
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	378.07	33.34
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	436.83	37.05
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	354.53	33.34
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	390.82	37.05
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	425.06	37.05
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	466.72	40.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0058	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	508.37	44.47
08 63 13 00-0059	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	428.27	37.05
08 63 13 00-0060	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	474.21	40.76
08 63 13 00-0061	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	521.21	44.47
08 63 13 00-0062	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	551.17	44.47
08 63 13 00-0063			FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small>		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0064	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	256.17	29.65
08 63 13 00-0065	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	301.11	29.65
08 63 13 00-0066	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	388.77	33.34
08 63 13 00-0067	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	449.67	37.05
08 63 13 00-0068	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	307.53	29.65
08 63 13 00-0069	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	365.23	33.34
08 63 13 00-0070	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	388.77	33.34
08 63 13 00-0071	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	452.88	37.05
08 63 13 00-0072	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	366.30	33.34
08 63 13 00-0073	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	402.59	37.05
08 63 13 00-0074	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	440.04	37.05
08 63 13 00-0075	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	482.77	40.76
08 63 13 00-0076	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	525.49	44.47
08 63 13 00-0077	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	444.32	37.05
08 63 13 00-0078	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	490.26	40.76
08 63 13 00-0079	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	538.33	44.47
08 63 13 00-0080	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	570.43	44.47
08 63 13 00-0081			Curb Top Inserts <small>(08 63 13 00-0003)</small>		
			Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.		
08 63 13 00-0082			Single Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0083	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	68.17	14.82
08 63 13 00-0084	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	102.89	16.68
08 63 13 00-0085	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	185.71	22.23
08 63 13 00-0086	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	172.37	20.38
08 63 13 00-0087	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	215.67	22.23
08 63 13 00-0088			Double Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0089	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	112.04	14.82
08 63 13 00-0090	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	187.42	16.68
08 63 13 00-0091	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	338.72	22.23
08 63 13 00-0092	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	335.01	20.38
08 63 13 00-0093	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	427.53	22.23
08 63 13 00-0094			Triple Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0095	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	154.84	14.82
08 63 13 00-0096	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	267.67	16.68
08 63 13 00-0097	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	527.04	22.23
08 63 13 00-0098	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	486.95	20.38
08 63 13 00-0099	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	624.41	22.23
08 63 13 00-0100			Pyramid Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>		

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0101			Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0102	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	171.64	29.65
08 63 13 00-0103	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	217.65	29.65
08 63 13 00-0104	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	284.98	33.34
08 63 13 00-0105	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	368.35	37.05
08 63 13 00-0106			Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0107	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	255.10	29.65
08 63 13 00-0108	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	303.25	29.65
08 63 13 00-0109	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	363.09	33.34
08 63 13 00-0110	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	440.04	37.05
08 63 13 00-0111			Double Hip Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>		
08 63 13 00-0112			Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0113	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	211.23	29.65
08 63 13 00-0114	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	292.47	33.34
08 63 13 00-0115	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	351.23	37.05
08 63 13 00-0116	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	270.00	33.34
08 63 13 00-0117	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	292.47	33.34
08 63 13 00-0118	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	364.07	37.05
08 63 13 00-0119	EA		39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	434.62	40.76
08 63 13 00-0120	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	319.13	37.05
08 63 13 00-0121	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	351.23	37.05
08 63 13 00-0122	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	393.96	40.76
08 63 13 00-0123	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	433.47	44.47
08 63 13 00-0124	EA		52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	521.13	48.17
08 63 13 00-0125	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	406.80	40.76
08 63 13 00-0126	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	465.57	44.47
08 63 13 00-0127	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	498.74	44.47
08 63 13 00-0128	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	583.19	48.17
08 63 13 00-0129			Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0130	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	247.61	29.65
08 63 13 00-0131	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	286.13	29.65
08 63 13 00-0132	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	371.65	33.34
08 63 13 00-0133	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	293.62	29.65
08 63 13 00-0134	EA		39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	328.85	33.34
08 63 13 00-0135	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	349.18	33.34
08 63 13 00-0136	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	371.65	33.34



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0137	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	431.48	37.05
08 63 13 00-0138	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	350.25	33.34
08 63 13 00-0139	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	386.54	37.05
08 63 13 00-0140	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	418.64	37.05
08 63 13 00-0141	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	459.23	40.76
08 63 13 00-0142	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	499.81	44.47
08 63 13 00-0143	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	420.78	37.05
08 63 13 00-0144	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	466.72	40.76
08 63 13 00-0145	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	512.65	44.47
08 63 13 00-0146	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	541.54	44.47
08 63 13 00-0147			Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0148	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	282.92	29.65
08 63 13 00-0149	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	385.56	33.34
08 63 13 00-0150	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	360.95	33.34
08 63 13 00-0151	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	385.56	33.34
08 63 13 00-0152	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	448.60	37.05
08 63 13 00-0153	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	399.38	37.05
08 63 13 00-0154	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	434.69	37.05
08 63 13 00-0155	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	478.49	40.76
08 63 13 00-0156	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	516.93	44.47
08 63 13 00-0157	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	485.98	40.76
08 63 13 00-0158	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	534.05	44.47
08 63 13 00-0159	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	565.08	44.47
08 63 13 00-0160			Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0001)</small>		
08 63 13 00-0161			Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0160)</small> Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.		
08 63 13 00-0162			Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0161)</small>		
08 63 13 00-0163			10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>		
08 63 13 00-0164	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,338.69	44.47
08 63 13 00-0165	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,241.32	44.47
08 63 13 00-0166	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,410.38	44.47
08 63 13 00-0167			25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>		
08 63 13 00-0168	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,765.62	44.47
08 63 13 00-0169	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,672.53	44.47
08 63 13 00-0170	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,862.99	44.47
08 63 13 00-0171			30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>		
08 63 13 00-0172	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,888.67	44.47

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,793.44		44.47
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,983.90		44.47
08 63 13 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0161)</small>			
08 63 13 00-0176		10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0175)</small>			
08 63 13 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,345.11		44.47
08 63 13 00-0178	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,247.74		44.47
08 63 13 00-0179	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,420.01		44.47
08 63 13 00-0180		25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0175)</small>			
08 63 13 00-0181	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,774.18		44.47
08 63 13 00-0182	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,678.95		44.47
08 63 13 00-0183	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,873.69		44.47
08 63 13 00-0184		30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0175)</small>			
08 63 13 00-0185	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,895.09		44.47
08 63 13 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,799.86		44.47
08 63 13 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,994.60		44.47
08 66		Wood-Framed Skylights <small>(08 60)</small>			
08 66 00 00-0001		Wood-Framed Skylights (Andersen 400 Series) <small>(08 66)</small>			
08 66 00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	274.87		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	44.41		
		For Aluminum Shingle Flashing, Add	35.53		
08 66 00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	282.12		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	46.22		
		For Aluminum Shingle Flashing, Add	36.98		
08 66 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	264.90		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	41.92		
		For Aluminum Shingle Flashing, Add	33.53		
08 66 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	287.56		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	47.58		
		For Aluminum Shingle Flashing, Add	38.06		
08 66 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	306.59		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	52.34		
		For Aluminum Shingle Flashing, Add	41.87		
08 66 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	337.40		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	60.04		
		For Aluminum Shingle Flashing, Add	48.03		
08 66 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	376.37		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	69.78		
		For Aluminum Shingle Flashing, Add	55.83		
08 66 00 00-0009	EA	27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	264.90		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	41.92		
		For Aluminum Shingle Flashing, Add	33.53		
08 66 00 00-0010	EA	28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	311.12		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	53.47		
		For Aluminum Shingle Flashing, Add	42.78		
08 66 00 00-0011	EA	28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	337.40		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	60.04		
		For Aluminum Shingle Flashing, Add	48.03		
08 66 00 00-0012	EA	28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	367.31		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	67.52		
		For Aluminum Shingle Flashing, Add	54.01		
08 66 00 00-0013	EA	28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	407.19		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	77.49		
		For Aluminum Shingle Flashing, Add	61.99		
08 66 00 00-0014	EA	38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	274.87		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	44.41		
		For Aluminum Shingle Flashing, Add	35.53		
08 66 00 00-0015	EA	38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	287.56		48.63
		For Tempered Laminated Low-E Insulated Glass, Add	47.58		
		For Aluminum Shingle Flashing, Add	38.06		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0016	EA		38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	311.12 53.47 42.78	48.63
08 66 00 00-0017	EA		44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	394.50 74.32 59.45	48.63
08 66 00 00-0018	EA		46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	282.12 46.22 36.98	48.63
08 66 00 00-0019	EA		46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	306.59 52.34 41.87	48.63
08 66 00 00-0020	EA		46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	337.40 60.04 48.03	48.63
08 66 00 00-0021	EA		46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	394.50 74.32 59.45	48.63
08 66 00 00-0022	EA		57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	337.40 60.04 48.03	48.63
08 66 00 00-0023	EA		57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	367.31 67.52 54.01	48.63
08 66 00 00-0024	EA		72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	376.37 69.78 55.83	48.63
08 66 00 00-0025	EA		72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... <i>For Tempered Laminated Low-E Insulated Glass, Add</i> <i>For Aluminum Shingle Flashing, Add</i>	407.19 77.49 61.99	48.63

08 70 Hardware (08)

08 71 Door Hardware (08 70)

08 71 23 Door Hardware (08 71)

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted.

08 71 23 00-0001			Hinges <small>(08 71 23)</small> Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs.		
08 71 23 00-0002			Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 23 00-0001)</small> Note: US26D (BHMA 626) satin chrome finish.		
08 71 23 00-0003			Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 23 00-0002)</small> Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0004	PR		3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	44.25 4.18 6.00	2.73
08 71 23 00-0005	PR		4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	48.77 4.65 6.00	3.89
08 71 23 00-0006	PR		4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	50.00 3.89 6.00	4.28
08 71 23 00-0007			Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 23 00-0002)</small> Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0008	PR		3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	52.96 5.36 6.00	2.73
08 71 23 00-0009	PR		4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	57.73 5.36 6.00	3.89
08 71 23 00-0010	PR		4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	56.05 4.74 6.00	4.28
08 71 23 00-0011	PR		5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	65.52 5.54 6.00	5.06
08 71 23 00-0012	PR		5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	66.12 5.63 6.00	5.06
08 71 23 00-0013	PR		6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	73.01 6.59 6.00	6.50
08 71 23 00-0014			Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 23 00-0002)</small> Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0015	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	62.19	2.73
08 71 23 00-0016	PR		4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	66.96	3.89

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0017	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	66.09	4.28
08 71 23 00-0018	PR		5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	76.58	5.06
08 71 23 00-0019			Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 23 00-0002)</small>		
			Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0020	PR		4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	130.14	4.28
			For Clear Coated Bright Brass, Add	15.11	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0021	PR		5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	145.71	5.06
			For Clear Coated Bright Brass, Add	16.77	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0022	PR		5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	72.13	5.06
			For Clear Coated Bright Brass, Add	6.47	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0023			Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 23 00-0002)</small>		
			Note: Mortised into the edge of the door and surface applied to the face of the frame.		
08 71 23 00-0024	PR		4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	116.34	4.28
			For Clear Coated Bright Brass, Add	13.18	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0025	PR		5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	137.64	5.06
			For Clear Coated Bright Brass, Add	15.64	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0026			Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge <small>(08 71 23 00-0002)</small>		
			Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0027	PR		4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	75.66	4.28
			For Clear Coated Bright Brass, Add	7.48	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0028	PR		5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	87.20	6.50
			For Clear Coated Bright Brass, Add	8.58	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0029	PR		6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	129.74	6.50
			For Clear Coated Bright Brass, Add	14.53	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0030			Mortised, Wrought Steel Hinges <small>(08 71 23 00-0001)</small>		
			Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 23 00-0031			Full Mortise, Plain Bearing, Wrought Steel Hinges <small>(08 71 23 00-0030)</small>		
			Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0032	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	21.01	2.73
			For Primed For Paint Finish, Deduct	-1.27	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	0.79	
			For Satin Brass Plated Clear Coated Finish, Deduct	-0.76	
			For Stainless Steel, Add	3.48	
			For Heavy Duty, Add	0.95	
			For Extra Heavy Duty, Add	2.53	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0033	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	26.44	3.89
			For Primed For Paint Finish, Deduct	-1.40	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	0.87	
			For Satin Brass Plated Clear Coated Finish, Deduct	-0.84	
			For Stainless Steel, Add	3.84	
			For Heavy Duty, Add	1.05	
			For Extra Heavy Duty, Add	2.80	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0034	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	30.74	4.28
			For Primed For Paint Finish, Deduct	-1.70	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.07	
			For Satin Brass Plated Clear Coated Finish, Deduct	-1.02	
			For Stainless Steel, Add	4.69	
			For Heavy Duty, Add	1.28	
			For Extra Heavy Duty, Add	3.41	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 23 00-0035			Full Mortise, Ball Bearing, Wrought Steel Hinges <small>(08 71 23 00-0030)</small>		
			Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0036	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	37.76	2.73
			For Primed For Paint Finish, Deduct	-4.62	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	2.89	
			For Satin Brass Plated Clear Coated Finish, Deduct	-2.77	
			For Stainless Steel, Add	12.69	
			For Heavy Duty, Add	3.46	
			For Extra Heavy Duty, Add	9.23	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0037	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	45.59	3.89
			<i>For Primed For Paint Finish, Deduct</i>	-5.23	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	3.27	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-3.14	
			<i>For Stainless Steel, Add</i>	14.38	
			<i>For Heavy Duty, Add</i>	3.92	
			<i>For Extra Heavy Duty, Add</i>	10.46	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0038	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	37.90	4.28
			<i>For Primed For Paint Finish, Deduct</i>	-3.14	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	1.96	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-1.88	
			<i>For Stainless Steel, Add</i>	8.62	
			<i>For Heavy Duty, Add</i>	2.35	
			<i>For Extra Heavy Duty, Add</i>	6.27	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0039	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	64.14	5.06
			<i>For Primed For Paint Finish, Deduct</i>	-7.64	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	4.78	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-4.59	
			<i>For Stainless Steel, Add</i>	21.02	
			<i>For Heavy Duty, Add</i>	5.73	
			<i>For Extra Heavy Duty, Add</i>	15.28	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0040	PR		5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	69.53	5.06
			<i>For Primed For Paint Finish, Deduct</i>	-8.72	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	5.45	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-5.23	
			<i>For Stainless Steel, Add</i>	23.98	
			<i>For Heavy Duty, Add</i>	6.54	
			<i>For Extra Heavy Duty, Add</i>	17.44	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0041	PR		6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	85.98	5.06
			<i>For Primed For Paint Finish, Deduct</i>	-12.01	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	7.51	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.21	
			<i>For Stainless Steel, Add</i>	33.03	
			<i>For Heavy Duty, Add</i>	9.01	
			<i>For Extra Heavy Duty, Add</i>	24.02	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0042			Half Surface, Plain Bearing, Wrought Steel Hinges <small>(08 71 23 00-0030)</small>		
			Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0043	PR		3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	47.43	2.73
			<i>For Primed For Paint Finish, Deduct</i>	-6.55	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	4.09	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-3.93	
			<i>For Stainless Steel, Add</i>	18.01	
			<i>For Heavy Duty, Add</i>	4.91	
			<i>For Extra Heavy Duty, Add</i>	13.10	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0044	PR		4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	56.57	3.89
			<i>For Primed For Paint Finish, Deduct</i>	-7.42	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	4.64	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-4.45	
			<i>For Stainless Steel, Add</i>	20.42	
			<i>For Heavy Duty, Add</i>	5.57	
			<i>For Extra Heavy Duty, Add</i>	14.85	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0045	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	63.71	4.28
			<i>For Primed For Paint Finish, Deduct</i>	-8.30	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	5.19	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-4.98	
			<i>For Stainless Steel, Add</i>	22.82	
			<i>For Heavy Duty, Add</i>	6.22	
			<i>For Extra Heavy Duty, Add</i>	16.60	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0046	PR		5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	71.78	5.06
			<i>For Primed For Paint Finish, Deduct</i>	-9.17	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	5.73	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-5.50	
			<i>For Stainless Steel, Add</i>	25.22	
			<i>For Heavy Duty, Add</i>	6.88	
			<i>For Extra Heavy Duty, Add</i>	18.34	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0047			Half Surface, Ball Bearing, Wrought Steel Hinges <small>(08 71 23 00-0030)</small>		
			Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0048	PR		4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	66.40	4.28
			<i>For Primed For Paint Finish, Deduct</i>	-9.39	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	5.87	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-5.63	
			<i>For Stainless Steel, Add</i>	25.82	
			<i>For Heavy Duty, Add</i>	7.04	
			<i>For Extra Heavy Duty, Add</i>	18.78	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0049	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	74.17	4.28
			<i>For Primed For Paint Finish, Deduct</i>	-10.39	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.49	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.23	
			<i>For Stainless Steel, Add</i>	28.57	
			<i>For Heavy Duty, Add</i>	7.79	
			<i>For Extra Heavy Duty, Add</i>	20.78	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0050	PR		5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	85.98	5.06
			<i>For Primed For Paint Finish, Deduct</i>	-12.01	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	7.51	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.21	
			<i>For Stainless Steel, Add</i>	33.03	
			<i>For Heavy Duty, Add</i>	9.01	
			<i>For Extra Heavy Duty, Add</i>	24.02	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0051			Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 23 00-0030)		
			Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 23 00-0052	PR		4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	38.41	4.28
			<i>For Primed For Paint Finish, Deduct</i>	-3.24	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	2.02	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-1.94	
			<i>For Stainless Steel, Add</i>	8.90	
			<i>For Heavy Duty, Add</i>	2.43	
			<i>For Extra Heavy Duty, Add</i>	6.48	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0053			Blank Butt Hinges (08 71 23 00-0030)		
08 71 23 00-0054	PR		3.5" x 3.5" To 5" x 5", Blank Butt With Screws, Steel Hinge.....	9.02	1.75
			<i>For Primed For Paint Finish, Deduct</i>	-0.41	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	0.26	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-0.25	
			<i>For Stainless Steel, Add</i>	1.13	
			<i>For Heavy Duty, Add</i>	0.31	
			<i>For Extra Heavy Duty, Add</i>	0.82	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0055			Full Mortise, Single Acting Spring, Wrought Steel Hinges (08 71 23 00-0030)		
			Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0056	PR		3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	30.14	2.73
			<i>For Primed For Paint Finish, Deduct</i>	-3.09	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	1.93	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-1.86	
			<i>For Stainless Steel, Add</i>	8.50	
08 71 23 00-0057	PR		4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	39.67	3.89
			<i>For Primed For Paint Finish, Deduct</i>	-4.04	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	2.53	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-2.43	
			<i>For Stainless Steel, Add</i>	11.12	
08 71 23 00-0058	PR		4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	51.97	4.28
			<i>For Primed For Paint Finish, Deduct</i>	-5.95	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	3.72	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-3.57	
			<i>For Stainless Steel, Add</i>	16.36	
08 71 23 00-0059			Offset And Pivot Hinges (08 71 23 00-0001)		
			Note: Satin chrome plated, US26D.		
08 71 23 00-0060			Offset Swing Clear Hinges (08 71 23 00-0059)		
			Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 23 00-0061	EA		4-1/2", Swing Clear, Offset Hinges	46.60	1.22
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	7.93	
			<i>For Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	12.78	
08 71 23 00-0062			Offset Pivot Hinges (08 71 23 00-0059)		
08 71 23 00-0063			3/4" Offset Pivot Hinges (08 71 23 00-0062)		
08 71 23 00-0064			3/4" Offset Pivot Hinges (08 71 23 00-0063)		
08 71 23 00-0065			Top Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0064)		
08 71 23 00-0066			200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0065)		
08 71 23 00-0067	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	78.22	3.89
08 71 23 00-0068	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	107.04	3.89
08 71 23 00-0069	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	123.05	3.89
08 71 23 00-0070	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	123.05	3.89
08 71 23 00-0071	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	123.05	3.89
08 71 23 00-0072	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	123.05	3.89
08 71 23 00-0073	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	123.05	3.89
08 71 23 00-0074	EA		Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	86.55	3.89
08 71 23 00-0075	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	111.53	3.89
08 71 23 00-0076	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	128.18	3.89



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains multiple rows of item descriptions and costs, including categories like '500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges' and '600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges'.

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0137			700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0137)		
08 71 23 00-0138	EA		Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	108.98	4.87
08 71 23 00-0139	EA		Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	116.67	4.87
08 71 23 00-0140	EA		Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	130.12	4.87
08 71 23 00-0141	EA		Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	130.12	4.87
08 71 23 00-0142	EA		Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	130.12	4.87
08 71 23 00-0143	EA		Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	130.12	4.87
08 71 23 00-0144	EA		Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	130.12	4.87
08 71 23 00-0145			Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0064)		
08 71 23 00-0146			200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0145)		
08 71 23 00-0147	EA		Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	86.55	3.89
08 71 23 00-0148	EA		Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	111.53	3.89
08 71 23 00-0149	EA		Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	128.18	3.89
08 71 23 00-0150	EA		Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	128.18	3.89
08 71 23 00-0151	EA		Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	128.18	3.89
08 71 23 00-0152	EA		Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	128.18	3.89
08 71 23 00-0153	EA		Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	128.18	3.89
08 71 23 00-0154	EA		Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	86.55	3.89
08 71 23 00-0155	EA		Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	111.53	3.89
08 71 23 00-0156	EA		Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	128.18	3.89
08 71 23 00-0157	EA		Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	128.18	3.89
08 71 23 00-0158	EA		Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	128.18	3.89
08 71 23 00-0159	EA		Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	128.18	3.89
08 71 23 00-0160	EA		Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	128.18	3.89
08 71 23 00-0161	EA		Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	74.38	3.89
08 71 23 00-0162	EA		Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	103.20	3.89
08 71 23 00-0163	EA		Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	119.85	3.89
08 71 23 00-0164	EA		Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	119.85	3.89
08 71 23 00-0165	EA		Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	119.85	3.89
08 71 23 00-0166	EA		Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	119.85	3.89
08 71 23 00-0167	EA		Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	119.85	3.89
08 71 23 00-0168			500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0145)		
08 71 23 00-0169	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	133.32	4.87
08 71 23 00-0170	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	142.28	4.87
08 71 23 00-0171	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	142.28	4.87
08 71 23 00-0172	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	142.28	4.87
08 71 23 00-0173	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	142.28	4.87
08 71 23 00-0174	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	142.28	4.87
08 71 23 00-0175	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	144.84	4.87
08 71 23 00-0176			600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0145)		
08 71 23 00-0177	EA		Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	113.47	4.87
08 71 23 00-0178	EA		Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	124.99	4.87
08 71 23 00-0179	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	133.32	4.87
08 71 23 00-0180	EA		Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	133.32	4.87
08 71 23 00-0181	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	133.32	4.87
08 71 23 00-0182	EA		Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	133.32	4.87
08 71 23 00-0183	EA		Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	133.32	4.87
08 71 23 00-0184			700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0145)		
08 71 23 00-0185	EA		Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	269.72	4.87
08 71 23 00-0186	EA		Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	290.22	4.87
08 71 23 00-0187	EA		Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	322.89	4.87
08 71 23 00-0188	EA		Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	322.89	4.87
08 71 23 00-0189	EA		Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	322.89	4.87
08 71 23 00-0190	EA		Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	322.89	4.87
08 71 23 00-0191	EA		Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	322.89	4.87
08 71 23 00-0192			Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0063)		
08 71 23 00-0193			Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0192)		
08 71 23 00-0194			500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0193)		
08 71 23 00-0195	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	157.67	4.87
08 71 23 00-0196	EA		Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	187.75	4.87
08 71 23 00-0197	EA		Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	212.09	4.87
08 71 23 00-0198	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	212.09	4.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0199 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	212.09	4.87
08 71 23 00-0200 600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0193)</small>		
08 71 23 00-0201 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	157.67	4.87
08 71 23 00-0202 EA Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	187.75	4.87
08 71 23 00-0203 EA Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	212.09	4.87
08 71 23 00-0204 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	212.09	4.87
08 71 23 00-0205 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	212.09	4.87
08 71 23 00-0206 700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0193)</small>		
08 71 23 00-0207 EA Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	157.67	4.87
08 71 23 00-0208 EA Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	187.75	4.87
08 71 23 00-0209 EA Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	212.09	4.87
08 71 23 00-0210 EA Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	212.09	4.87
08 71 23 00-0211 EA Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	212.09	4.87
08 71 23 00-0212 1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0193)</small>		
08 71 23 00-0213 EA Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	164.73	5.83
08 71 23 00-0214 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	189.70	5.83
08 71 23 00-0215 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	201.23	5.83
08 71 23 00-0216 EA Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	201.23	5.83
08 71 23 00-0217 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	201.23	5.83
08 71 23 00-0218 1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0193)</small>		
08 71 23 00-0219 EA Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	164.73	5.83
08 71 23 00-0220 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	189.70	5.83
08 71 23 00-0221 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	201.23	5.83
08 71 23 00-0222 EA Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	201.23	5.83
08 71 23 00-0223 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	201.23	5.83
08 71 23 00-0224 Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0192)</small>		
08 71 23 00-0225 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0224)</small>		
08 71 23 00-0226 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	162.78	4.87
08 71 23 00-0227 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	190.95	4.87
08 71 23 00-0228 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	199.28	4.87
08 71 23 00-0229 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	199.28	4.87
08 71 23 00-0230 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	199.28	4.87
08 71 23 00-0231 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0224)</small>		
08 71 23 00-0232 EA Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	162.78	4.87
08 71 23 00-0233 EA Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	190.95	4.87
08 71 23 00-0234 EA Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	199.28	4.87
08 71 23 00-0235 EA Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	199.28	4.87

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0236 EA Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	199.28	4.87
08 71 23 00-0237 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0224)		
08 71 23 00-0238 EA Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	162.78	4.87
08 71 23 00-0239 EA Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	190.95	4.87
08 71 23 00-0240 EA Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	199.28	4.87
08 71 23 00-0241 EA Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	199.28	4.87
08 71 23 00-0242 EA Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	199.28	4.87
08 71 23 00-0243 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0224)		
08 71 23 00-0244 EA Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	181.38	5.83
08 71 23 00-0245 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	210.19	5.83
08 71 23 00-0246 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	217.88	5.83
08 71 23 00-0247 EA Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	217.88	5.83
08 71 23 00-0248 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	217.88	5.83
08 71 23 00-0249 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0224)		
08 71 23 00-0250 EA Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	181.38	5.83
08 71 23 00-0251 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	210.19	5.83
08 71 23 00-0252 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	217.88	5.83
08 71 23 00-0253 EA Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	217.88	5.83
08 71 23 00-0254 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	217.88	5.83
08 71 23 00-0255 Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0192)		
08 71 23 00-0256 500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0255)		
08 71 23 00-0257 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	182.64	4.87
08 71 23 00-0258 EA Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	228.10	4.87
08 71 23 00-0259 EA Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	245.39	4.87
08 71 23 00-0260 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	245.39	4.87
08 71 23 00-0261 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	245.39	4.87
08 71 23 00-0262 600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0255)		
08 71 23 00-0263 EA Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	179.43	4.87
08 71 23 00-0264 EA Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	190.95	4.87
08 71 23 00-0265 EA Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	220.42	4.87
08 71 23 00-0266 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	220.42	4.87
08 71 23 00-0267 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	220.42	4.87
08 71 23 00-0268 1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0255)		
08 71 23 00-0269 EA Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	205.71	5.83
08 71 23 00-0270 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	230.05	5.83
08 71 23 00-0271 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	239.01	5.83



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0272	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	239.01	5.83
08 71 23 00-0273	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	239.01	5.83
08 71 23 00-0274			1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0255)		
08 71 23 00-0275	EA		Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	296.01	5.83
08 71 23 00-0276	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	316.51	5.83
08 71 23 00-0277	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	324.84	5.83
08 71 23 00-0278	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	324.84	5.83
08 71 23 00-0279	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	324.84	5.83
08 71 23 00-0280			1-1/2" Offset Pivot Hinges (08 71 23 00-0062)		
08 71 23 00-0281			Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0280)		
08 71 23 00-0282			Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0281)		
08 71 23 00-0283			400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0282)		
08 71 23 00-0284	EA		Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	187.75	4.87
08 71 23 00-0285	EA		Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	203.76	4.87
08 71 23 00-0286	EA		Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	215.93	4.87
08 71 23 00-0287	EA		Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	215.93	4.87
08 71 23 00-0288	EA		Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	215.93	4.87
08 71 23 00-0289			500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0282)		
08 71 23 00-0290	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	187.75	4.87
08 71 23 00-0291	EA		Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	203.76	4.87
08 71 23 00-0292	EA		Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	215.93	4.87
08 71 23 00-0293	EA		Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	215.93	4.87
08 71 23 00-0294	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	215.93	4.87
08 71 23 00-0295			Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0281)		
08 71 23 00-0296			400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0295)		
08 71 23 00-0297	EA		Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	195.43	4.87
08 71 23 00-0298	EA		Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	220.42	4.87
08 71 23 00-0299	EA		Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	232.58	4.87
08 71 23 00-0300	EA		Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	232.58	4.87
08 71 23 00-0301	EA		Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	232.58	4.87
08 71 23 00-0302			500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0295)		
08 71 23 00-0303	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	195.43	4.87
08 71 23 00-0304	EA		Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	220.42	4.87
08 71 23 00-0305	EA		Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	232.58	4.87
08 71 23 00-0306	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	232.58	4.87
08 71 23 00-0307	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	232.58	4.87
08 71 23 00-0308			Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0281)		

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0309			400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0308)		
08 71 23 00-0310	EA		Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	190.95	4.87
08 71 23 00-0311	EA		Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	220.42	4.87
08 71 23 00-0312	EA		Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	232.58	4.87
08 71 23 00-0313	EA		Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	232.58	4.87
08 71 23 00-0314	EA		Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	232.58	4.87
08 71 23 00-0315			500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0308)		
08 71 23 00-0316	EA		Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	314.56	4.87
08 71 23 00-0317	EA		Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	347.86	4.87
08 71 23 00-0318	EA		Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	356.19	4.87
08 71 23 00-0319	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	356.19	4.87
08 71 23 00-0320	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	356.19	4.87
08 71 23 00-0321			Center Hung Pivot Hinges (08 71 23 00-0059)		
08 71 23 00-0322			Top Mount, Center Hung Pivot Hinges (08 71 23 00-0321)		
08 71 23 00-0323			300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 23 00-0322)		
08 71 23 00-0324	EA		Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	94.88	3.89
08 71 23 00-0325	EA		Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	103.20	3.89
08 71 23 00-0326	EA		Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	103.20	3.89
08 71 23 00-0327	EA		Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	103.20	3.89
08 71 23 00-0328	EA		Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	103.20	3.89
08 71 23 00-0329	EA		Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	103.20	3.89
08 71 23 00-0330	EA		Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	103.20	3.89
08 71 23 00-0331			500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 23 00-0322)		
08 71 23 00-0332	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	96.82	4.87
08 71 23 00-0333	EA		Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	105.14	4.87
08 71 23 00-0334	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	105.14	4.87
08 71 23 00-0335	EA		Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	105.14	4.87
08 71 23 00-0336	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	105.14	4.87
08 71 23 00-0337	EA		Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	105.14	4.87
08 71 23 00-0338	EA		Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	105.14	4.87
08 71 23 00-0339			600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 23 00-0322)		
08 71 23 00-0340	EA		Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	96.82	4.87
08 71 23 00-0341	EA		Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	105.14	4.87
08 71 23 00-0342	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	105.14	4.87
08 71 23 00-0343	EA		Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	105.14	4.87
08 71 23 00-0344	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	105.14	4.87
08 71 23 00-0345	EA		Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	105.14	4.87
08 71 23 00-0346	EA		Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	105.14	4.87
08 71 23 00-0347			1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 23 00-0322)		
08 71 23 00-0348	EA		Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	156.40	5.83
08 71 23 00-0349	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	184.59	5.83
08 71 23 00-0350	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	214.04	5.83
08 71 23 00-0351	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	214.04	5.83
08 71 23 00-0352	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	214.04	5.83
08 71 23 00-0353	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	214.04	5.83
08 71 23 00-0354	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	214.04	5.83
08 71 23 00-0355			Bottom Mount, Center Hung Pivot Hinges (08 71 23 00-0321)		
08 71 23 00-0356			300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 23 00-0355)		
08 71 23 00-0357	EA		Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	70.53	3.89
08 71 23 00-0358	EA		Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	82.71	3.89
08 71 23 00-0359	EA		Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	94.88	3.89
08 71 23 00-0360	EA		Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	94.88	3.89



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0361	EA		Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	94.88	3.89
08 71 23 00-0362	EA		Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	94.88	3.89
08 71 23 00-0363	EA		Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	94.88	3.89
08 71 23 00-0364			500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0355)		
08 71 23 00-0365	EA		Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	105.14	4.87
08 71 23 00-0366	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	108.98	4.87
08 71 23 00-0367	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	108.98	4.87
08 71 23 00-0368	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	108.98	4.87
08 71 23 00-0369	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	108.98	4.87
08 71 23 00-0370	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	108.98	4.87
08 71 23 00-0371	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	108.98	4.87
08 71 23 00-0372	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	105.14	4.87
08 71 23 00-0373	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	108.98	4.87
08 71 23 00-0374	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	108.98	4.87
08 71 23 00-0375	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	108.98	4.87
08 71 23 00-0376	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	108.98	4.87
08 71 23 00-0377	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	108.98	4.87
08 71 23 00-0378	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	108.98	4.87
08 71 23 00-0379			600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 23 00-0355)		
08 71 23 00-0380	EA		Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	220.42	4.87
08 71 23 00-0381	EA		Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	232.58	4.87
08 71 23 00-0382	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	245.39	4.87
08 71 23 00-0383	EA		Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	245.39	4.87
08 71 23 00-0384	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	245.39	4.87
08 71 23 00-0385	EA		Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	245.39	4.87
08 71 23 00-0386	EA		Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	245.39	4.87
08 71 23 00-0387			1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 23 00-0355)		
08 71 23 00-0388	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	411.29	5.83
08 71 23 00-0389	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	423.45	5.83
08 71 23 00-0390	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	440.11	5.83
08 71 23 00-0391	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	440.11	5.83
08 71 23 00-0392	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	440.11	5.83
08 71 23 00-0393	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	440.11	5.83
08 71 23 00-0394	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	440.11	5.83
08 71 23 00-0395			Continuous Steel Hinges (08 71 23 00-0001)		
08 71 23 00-0396	LF		1-1/2" Wide, Continuous Steel Hinge.....	8.46	1.55
			For Stainless Steel, Add	1.23	
			For Brass Or Nickel, Add	1.34	
			For Aluminum, Add	0.44	
			For Medium Gauge, Deduct	-0.45	
08 71 23 00-0397	LF		2" Wide, Continuous Steel Hinge.....	8.61	1.55
			For Stainless Steel, Add	1.31	
			For Brass Or Nickel, Add	1.43	
			For Aluminum, Add	0.47	
			For Medium Gauge, Deduct	-0.48	
08 71 23 00-0398	LF		2-1/2" Wide, Continuous Steel Hinge.....	8.91	1.55
			For Stainless Steel, Add	1.47	
			For Brass Or Nickel, Add	1.61	
			For Aluminum, Add	0.53	
			For Medium Gauge, Deduct	-0.54	
08 71 23 00-0399	LF		3" Wide, Continuous Steel Hinge.....	9.25	1.55
			For Stainless Steel, Add	1.66	
			For Brass Or Nickel, Add	1.81	
			For Aluminum, Add	0.59	
			For Medium Gauge, Deduct	-0.60	

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0400			Continuous Geared Hinges (08 71 23 00-0001)		
08 71 23 00-0401	LF		Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053).....	29.67	1.55
			For Bronze Finish, Add	8.79	
			For Heavy Duty, Add	6.26	
08 71 23 00-0402	LF		Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057).....	32.41	1.55
			For Bronze Finish, Add	9.82	
			For Heavy Duty, Add	7.00	
08 71 23 00-0403	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112).....	18.69	1.55
			For Bronze Finish, Add	4.67	
08 71 23 00-0404	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD).....	22.66	1.55
			For Bronze Finish, Add	6.16	
08 71 23 00-0405			Mortised, Primed Steel, Double Acting Spring Hinges (08 71 23 00-0001)		
08 71 23 00-0406	PR		2", Mortised, Primed Steel, Double Acting Spring Hinge.....	63.64	2.73
			For Satin Brass, Add	12.00	
08 71 23 00-0407	PR		3", Mortised, Primed Steel, Double Acting Spring Hinge.....	67.54	3.50
			For Satin Brass, Add	12.01	
08 71 23 00-0408	PR		4", Mortised, Primed Steel, Double Acting Spring Hinge.....	74.16	4.28
			For Satin Brass, Add	12.66	
08 71 23 00-0409	PR		5", Mortised, Primed Steel, Double Acting Spring Hinge.....	98.30	5.06
			For Satin Brass, Add	17.52	
08 71 23 00-0410	PR		6", Mortised, Primed Steel, Double Acting Spring Hinge.....	109.58	5.83
			For Satin Brass, Add	19.30	
08 71 23 00-0411	PR		7", Mortised, Primed Steel, Double Acting Spring Hinge.....	132.67	6.61
			For Satin Brass, Add	23.91	
08 71 23 00-0412	PR		8", Mortised, Primed Steel, Double Acting Spring Hinge.....	183.46	18.47
			For Satin Brass, Add	35.16	
08 71 23 00-0413			Security Hinges (08 71 23 00-0001)		
08 71 23 00-0414	EA		4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge.....	22.26	2.73
08 71 23 00-0415			Concealed Circuit Electric Hinge Option (08 71 23 00-0001)		
			Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 23 00-0416	EA		4 Wire Concealed Circuit Electric Hinge Option.....	167.98	
08 71 23 00-0417	EA		6 Wire Concealed Circuit Electric Hinge Option.....	198.33	
08 71 23 00-0418	EA		8 Wire Concealed Circuit Electric Hinge Option.....	228.67	
08 71 23 00-0419			Hinge Filler Plates For Door Frames (08 71 23 00-0001)		
08 71 23 00-0420	PR		Hinge Filler Plates For Door Frames.....	9.39	1.95
08 71 23 00-0421			Door Trim (08 71 23)		
08 71 23 00-0422			Floor Stops, Wall Stops And Bumpers (08 71 23 00-0421)		
08 71 23 00-0423			Floor Stops (08 71 23 00-0422)		
08 71 23 00-0424			Aluminum Floor Stops (08 71 23 00-0423)		
08 71 23 00-0425	EA		1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430).....	11.35	4.87
08 71 23 00-0426	EA		1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436).....	12.96	4.87
08 71 23 00-0427	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438).....	13.58	4.87
08 71 23 00-0428	EA		2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441).....	22.97	4.87
08 71 23 00-0429	EA		3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448).....	24.09	4.87
08 71 23 00-0430			Brass Floor Stops (08 71 23 00-0423)		
08 71 23 00-0431	EA		1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436).....	13.19	4.87
08 71 23 00-0432	EA		1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436).....	13.81	4.87
08 71 23 00-0433	EA		1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436).....	13.81	4.87
08 71 23 00-0434	EA		1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436).....	14.05	4.87
08 71 23 00-0435	EA		1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	14.36	4.87
08 71 23 00-0436	EA		1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	14.36	4.87
08 71 23 00-0437	EA		1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436).....	14.36	4.87
08 71 23 00-0438	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	13.58	4.87
08 71 23 00-0439	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438).....	14.52	4.87
08 71 23 00-0440	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438).....	14.52	4.87
08 71 23 00-0441	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	14.88	4.87
08 71 23 00-0442	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	15.20	4.87
08 71 23 00-0443	EA		1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	15.20	4.87
08 71 23 00-0444	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438).....	16.67	4.87
08 71 23 00-0445	EA		1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13).....	14.58	4.87
08 71 23 00-0446	EA		1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13).....	14.58	4.87
08 71 23 00-0447	EA		1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13).....	15.60	4.87
08 71 23 00-0448	EA		1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13).....	15.60	4.87
08 71 23 00-0449	EA		1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	15.60	4.87
08 71 23 00-0450	EA		1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	15.60	4.87
08 71 23 00-0451	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	15.28	4.87
08 71 23 00-0452	EA		1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17).....	15.28	4.87
08 71 23 00-0453	EA		1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	16.28	4.87



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17).....	16.28	4.87
08 71	23 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	16.28	4.87
08 71	23 00-0456	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	16.28	4.87
08 71	23 00-0457	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	23.88	4.87
08 71	23 00-0458	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441).....	24.32	4.87
08 71	23 00-0459	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441).....	25.39	4.87
08 71	23 00-0460	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441).....	26.26	4.87
08 71	23 00-0461	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441).....	26.26	4.87
08 71	23 00-0462	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	29.81	4.87
08 71	23 00-0463	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	29.81	4.87
08 71	23 00-0464	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	28.50	4.87
08 71	23 00-0465	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	29.13	4.87
08 71	23 00-0466	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448).....	29.13	4.87
08 71	23 00-0467	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448).....	29.13	4.87
08 71	23 00-0468	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448).....	29.13	4.87
08 71	23 00-0469	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448).....	33.99	4.87
08 71	23 00-0470	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448).....	33.99	4.87
08 71	23 00-0471	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430).....	18.59	4.87
08 71	23 00-0472	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430).....	19.40	4.87
08 71	23 00-0473	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430).....	21.23	4.87
08 71	23 00-0474	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	21.23	4.87
08 71	23 00-0475	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	21.23	4.87
08 71	23 00-0476	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	21.77	4.87
08 71 23 00-0477 Steel Floor Stops (08 71 23 00-0423)					
See CSI section 05 05 19 00-0128 for grout.					
08 71	23 00-0478	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434).....	15.44	4.87
08 71	23 00-0479	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S)	45.49	4.87
Note: Includes drilling. Excludes Grout.					
08 71	23 00-0480	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L)	48.06	4.87
Note: Includes drilling. Excludes Grout.					
08 71 23 00-0481 Wall Stops (08 71 23 00-0422)					
08 71 23 00-0482 Aluminum Wall Stops (08 71 23 00-0481)					
08 71	23 00-0483	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60).....	6.12	1.95
08 71	23 00-0484	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65).....	8.86	2.92
08 71 23 00-0485 Brass Wall Stops (08 71 23 00-0481)					
08 71	23 00-0486	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60).....	11.63	1.95
08 71	23 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60).....	11.63	1.95
08 71	23 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	11.63	1.95
08 71	23 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	14.02	1.95
08 71	23 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60).....	14.25	1.95
08 71	23 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	14.25	1.95
08 71	23 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60).....	14.25	1.95
08 71	23 00-0493	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	34.42	2.92
08 71	23 00-0494	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	35.27	2.92
08 71	23 00-0495	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	35.27	2.92
08 71	23 00-0496	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	35.27	2.92
08 71	23 00-0497	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11).....	35.27	2.92
08 71	23 00-0498	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	35.27	2.92
08 71	23 00-0499	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	28.47	2.92
08 71	23 00-0500	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	33.04	2.92
08 71	23 00-0501	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447).....	33.04	2.92
08 71	23 00-0502	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	33.04	2.92
08 71	23 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447).....	33.04	2.92
08 71	23 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447).....	34.12	2.92
08 71	23 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447).....	34.12	2.92
08 71	23 00-0506	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33).....	56.68	2.92
08 71 23 00-0507 Steel Wall Stops (08 71 23 00-0481)					
08 71	23 00-0508	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	4.36	1.95
08 71 23 00-0509 Hinge Pin Door Stops (08 71 23 00-0422)					
08 71 23 00-0510 Aluminum Hinge Pin Door Stops (08 71 23 00-0509)					
08 71	23 00-0511	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70).....	9.17	3.89
08 71 23 00-0512 Brass Hinge Pin Door Stops (08 71 23 00-0509)					
08 71	23 00-0513	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72).....	9.43	3.89
08 71	23 00-0514	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	11.10	3.89
08 71	23 00-0515	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	15.11	3.89
08 71	23 00-0516	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	15.11	3.89
08 71	23 00-0517	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	15.11	3.89
08 71	23 00-0518	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	16.99	3.89
08 71	23 00-0519	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	16.99	3.89
08 71	23 00-0520	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	16.99	3.89
08 71	23 00-0521	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70).....	16.99	3.89

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-0522	Wall Bumpers (08 71 23 00-0422)		
08 71 23 00-0523	Brass Wall Bumpers (08 71 23 00-0522)		
08 71 23 00-0524	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	12.34	4.87
08 71 23 00-0525	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	12.34	4.87
08 71 23 00-0526	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	12.34	4.87
08 71 23 00-0527	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	12.57	4.87
08 71 23 00-0528	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	12.57	4.87
08 71 23 00-0529	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	12.57	4.87
08 71 23 00-0530	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	12.57	4.87
08 71 23 00-0531	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	20.29	4.87
08 71 23 00-0532	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	22.39	4.87
08 71 23 00-0533	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	22.39	4.87
08 71 23 00-0534	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	22.39	4.87
08 71 23 00-0535	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	22.39	4.87
08 71 23 00-0536	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	22.39	4.87
08 71 23 00-0537	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402).....	22.86	4.87
08 71 23 00-0538	Rubber Wall Bumpers (08 71 23 00-0522)		
08 71 23 00-0539	EA 1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W).....	11.51	4.87
08 71 23 00-0540	Holders (08 71 23 00-0421)		
08 71 23 00-0541	Plunger Type Door Holders (08 71 23 00-0540)		
08 71 23 00-0542	Aluminum Plunger Type Door Holders (08 71 23 00-0541)		
08 71 23 00-0543	EA Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	36.51	2.92
08 71 23 00-0544	Brass Plunger Type Door Holders (08 71 23 00-0541)		
08 71 23 00-0545	EA Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.16	2.92
08 71 23 00-0546	EA Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.16	2.92
08 71 23 00-0547	EA Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.16	2.92
08 71 23 00-0548	EA Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.16	2.92
08 71 23 00-0549	EA Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.16	2.92
08 71 23 00-0550	EA Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.16	2.92
08 71 23 00-0551	EA Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	61.16	2.92
08 71 23 00-0552	Kick Down Door Holders (08 71 23 00-0540)		
08 71 23 00-0553	Aluminum Kick Down Door Holders (08 71 23 00-0552)		
08 71 23 00-0554	EA Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	10.84	2.92
08 71 23 00-0555	Brass Kick Down Door Holders (08 71 23 00-0552)		
08 71 23 00-0556	EA Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	26.17	2.92
08 71 23 00-0557	EA Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	26.17	2.92
08 71 23 00-0558	EA Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	26.17	2.92
08 71 23 00-0559	EA Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	30.17	2.92
08 71 23 00-0560	EA Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	30.17	2.92
08 71 23 00-0561	EA Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	30.17	2.92
08 71 23 00-0562	EA Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455).....	31.18	2.92
08 71 23 00-0563	Steel Kick Down Door Holders (08 71 23 00-0552)		
08 71 23 00-0564	EA Steel Kick Down Door Holder (Ives FS544)	13.93	2.92
08 71 23 00-0565	Floor Mounted Door Holders (08 71 23 00-0540)		
08 71 23 00-0566	Brass Floor Mounted Door Holders (08 71 23 00-0565)		
08 71 23 00-0567	EA Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	51.15	5.83
	For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
	For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
	For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0568	EA		Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	51.15	5.83
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0569	EA		Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	64.44	5.83
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0570	EA		Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	64.44	5.83
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0571	EA		Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	64.44	5.83
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0572	EA		Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	64.44	5.83
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0573			Wall Mounted Door Holders (08 71 23 00-0540)		
08 71 23 00-0574			Aluminum Wall Mounted Door Holders (08 71 23 00-0573)		
08 71 23 00-0575	EA		4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	46.75	3.41
08 71 23 00-0576	EA		Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	67.94	5.83
08 71 23 00-0577			Brass Wall Mounted Door Holders (08 71 23 00-0573)		
08 71 23 00-0578	EA		3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	42.73	3.41
08 71 23 00-0579	EA		3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	49.93	3.41
08 71 23 00-0580	EA		3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	49.93	3.41
08 71 23 00-0581	EA		3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	49.93	3.41
08 71 23 00-0582	EA		3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	49.93	3.41
08 71 23 00-0583	EA		3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	49.93	3.41
08 71 23 00-0584	EA		3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	51.62	3.41
08 71 23 00-0585	EA		4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	48.76	3.41
08 71 23 00-0586	EA		4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	58.59	3.41
08 71 23 00-0587	EA		4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	58.59	3.41
08 71 23 00-0588	EA		4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	58.59	3.41
08 71 23 00-0589	EA		4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	58.59	3.41
08 71 23 00-0590	EA		4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	58.59	3.41
08 71 23 00-0591	EA		Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	77.74	5.83
08 71 23 00-0592	EA		Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	82.16	5.83
08 71 23 00-0593	EA		Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....	82.16	5.83
08 71 23 00-0594	EA		Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	82.16	5.83
08 71 23 00-0595	EA		Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	82.16	5.83
08 71 23 00-0596	EA		Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	82.16	5.83
08 71 23 00-0597			Overhead Door Holders (08 71 23 00-0540)		
08 71 23 00-0598			Surface Mounted, Overhead Door Holders (08 71 23 00-0597)		
08 71 23 00-0599	EA		Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	240.30	9.72
			For Hold Open, Add	29.06	
08 71 23 00-0600	EA		Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	277.40	9.72
			For Hold Open, Add	34.41	
08 71 23 00-0601	EA		Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	277.40	9.72
			For Hold Open, Add	34.41	
08 71 23 00-0602	EA		Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	277.40	9.72
			For Hold Open, Add	34.41	
08 71 23 00-0603	EA		Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	276.14	9.72
			For Hold Open, Add	34.23	
08 71 23 00-0604			Heavy Duty, Surface Mounted, Overhead Door Holders (08 71 23 00-0597)		
			Note: With or without hold open feature.		
08 71 23 00-0605	EA		Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	184.27	9.72
08 71 23 00-0606	EA		Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	272.86	9.72
08 71 23 00-0607	EA		Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	311.47	9.72
08 71 23 00-0608	EA		Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	311.47	9.72
08 71 23 00-0609	EA		Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	311.47	9.72
08 71 23 00-0610			Concealed Mounted, Overhead Door Holders (08 71 23 00-0597)		
			Note: With or without hold open feature.		
08 71 23 00-0611	EA		Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	263.52	9.72
08 71 23 00-0612	EA		Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	263.52	9.72
08 71 23 00-0613	EA		Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	278.66	9.72

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0614	EA		Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	291.53	9.72
08 71 23 00-0615	EA		Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	291.53	9.72
08 71 23 00-0616			Silencers (08 71 23 00-0421)		
08 71 23 00-0617	EA		Replacement Rubber Door Silencers.....	0.63	0.38
			Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.		
08 71 23 00-0618			Bolts (08 71 23 00-0421)		
08 71 23 00-0619			Brass Surface Bolts (08 71 23 00-0618)		
08 71 23 00-0620	EA		8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	79.68	4.87
08 71 23 00-0621	EA		8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	85.51	4.87
08 71 23 00-0622	EA		8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	85.51	4.87
08 71 23 00-0623			Steel Surface Bolts (08 71 23 00-0618)		
08 71 23 00-0624	EA		8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	34.50	4.87
08 71 23 00-0625	EA		8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	34.50	4.87
08 71 23 00-0626	EA		8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	34.50	4.87
08 71 23 00-0627	EA		8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	39.60	4.87
08 71 23 00-0628	EA		8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	40.33	4.87
08 71 23 00-0629	EA		8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	41.78	4.87
08 71 23 00-0630	EA		12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	41.05	4.87
08 71 23 00-0631	EA		12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	43.25	4.87
08 71 23 00-0632	EA		12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	46.16	4.87
08 71 23 00-0633	EA		12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	48.35	4.87
08 71 23 00-0634	EA		12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	77.50	4.87
08 71 23 00-0635			Door Viewer (08 71 23 00-0421)		
08 71 23 00-0636			Brass Door Viewer (08 71 23 00-0635)		
08 71 23 00-0637	EA		120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	16.67	4.87
08 71 23 00-0638	EA		120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700).....	16.67	4.87
08 71 23 00-0639	EA		120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	16.67	4.87
08 71 23 00-0640	EA		150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	19.93	4.87
08 71 23 00-0641	EA		150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	19.93	4.87
08 71 23 00-0642	EA		150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696).....	19.93	4.87
08 71 23 00-0643	EA		190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	23.94	4.87
08 71 23 00-0644	EA		190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	23.94	4.87
08 71 23 00-0645			Door Knockers (08 71 23 00-0421)		
08 71 23 00-0646			Brass Door Knockers (08 71 23 00-0645)		
08 71 23 00-0647	EA		5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125).....	26.72	4.87
08 71 23 00-0648	EA		5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125).....	29.81	4.87
08 71 23 00-0649	EA		5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	29.81	4.87
08 71 23 00-0650	EA		5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	29.81	4.87
08 71 23 00-0651	EA		8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107).....	41.55	4.87
08 71 23 00-0652	EA		8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	49.00	4.87
08 71 23 00-0653			Hasps (08 71 23 00-0421)		
08 71 23 00-0654	EA		3-1/4", Zinc Plated Finish, Steel Hasp Assembly.....	11.55	3.67
08 71 23 00-0655	EA		4-1/2", Zinc Plated Finish, Steel Hasp Assembly.....	12.34	3.89
08 71 23 00-0656	EA		6", Zinc Plated Finish, Steel Hasp Assembly.....	16.14	4.38
08 71 23 00-0657	EA		6", Zinc Plated Finish, Steel High Security Hasp Assembly.....	74.60	5.25
08 71 23 00-0658			Flush Bolts (08 71 23 00-0421)		
08 71 23 00-0659			Flush Bolts For Metal Doors (08 71 23 00-0658)		
08 71 23 00-0660			Brass Flush Bolts For Metal Doors (08 71 23 00-0659)		
08 71 23 00-0661			Manual, Brass Flush Bolts For Metal Doors (08 71 23 00-0660)		
			Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 23 00-0662	EA		Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458).....	25.76	4.87
08 71 23 00-0663			Automatic, Brass Flush Bolts For Metal Doors (08 71 23 00-0660)		
			Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 23 00-0664	EA		Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T).....	67.87	4.87
08 71 23 00-0665	EA		Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B).....	67.87	4.87
08 71 23 00-0666	EA		Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P).....	125.75	7.78
08 71 23 00-0667	EA		Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32).....	123.81	6.80
08 71 23 00-0668	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33).....	128.43	7.29
08 71 23 00-0669			Constant Latching, Brass Flush Bolts For Metal Doors (08 71 23 00-0660)		
			Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0670	EA		Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T).....	67.22	4.87
08 71 23 00-0671	EA		Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	125.75	7.78
08 71 23 00-0672	EA		Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	123.81	6.80
08 71 23 00-0673	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53).....	128.43	7.29
08 71 23 00-0674			Stainless Steel Flush Bolts For Metal Doors (08 71 23 00-0659)		
08 71 23 00-0675			Automatic, Stainless Steel Flush Bolts For Metal Doors (08 71 23 00-0674) Note: Includes stainless steel construction with bright or satin finish.		
08 71 23 00-0676	EA		Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	67.87	4.87
08 71 23 00-0677	EA		Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B).....	67.87	4.87
08 71 23 00-0678	EA		Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P).....	125.75	7.78
08 71 23 00-0679	EA		Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	123.81	6.80
08 71 23 00-0680	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33).....	128.43	7.29
08 71 23 00-0681			Constant Latching, Stainless Steel Flush Bolts For Metal Doors (08 71 23 00-0674) Note: Includes stainless steel construction with bright or satin finish.		
08 71 23 00-0682	EA		Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	67.22	4.87
08 71 23 00-0683	EA		Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	125.75	7.78
08 71 23 00-0684	EA		Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	123.81	6.80
08 71 23 00-0685	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	128.43	7.29
08 71 23 00-0686			Flush Bolts For Wood Doors (08 71 23 00-0658)		
08 71 23 00-0687			Brass Flush Bolts For Wood Doors (08 71 23 00-0686)		
08 71 23 00-0688			Manual, Brass Flush Bolts For Wood Doors (08 71 23 00-0687) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 23 00-0689	EA		Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358).....	31.21	4.87
08 71 23 00-0690			Automatic, Brass Flush Bolts For Wood Doors (08 71 23 00-0687) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 23 00-0691	EA		Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	70.71	4.87
08 71 23 00-0692	EA		Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B).....	70.71	4.87
08 71 23 00-0693	EA		Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P).....	131.87	7.78
08 71 23 00-0694	EA		Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	129.93	6.80
08 71 23 00-0695			Constant Latching, Brass Flush Bolts For Wood Doors (08 71 23 00-0687) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 23 00-0696	EA		Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	70.14	4.87
08 71 23 00-0697	EA		Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P).....	131.87	7.78
08 71 23 00-0698	EA		Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	129.93	6.80
08 71 23 00-0699			Stainless Steel Flush Bolts For Wood Doors (08 71 23 00-0686)		
08 71 23 00-0700			Automatic, Stainless Steel Flush Bolts For Wood Doors (08 71 23 00-0699) Note: Includes stainless steel construction with bright or satin finish.		
08 71 23 00-0701	EA		Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T).....	70.71	4.87
08 71 23 00-0702	EA		Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B).....	70.71	4.87
08 71 23 00-0703	EA		Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	131.87	7.78
08 71 23 00-0704	EA		Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	129.93	6.80
08 71 23 00-0705			Constant Latching, Stainless Steel Flush Bolts For Wood Doors (08 71 23 00-0699) Note: Includes stainless steel construction with bright or satin finish.		
08 71 23 00-0706	EA		Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T).....	70.14	4.87
08 71 23 00-0707	EA		Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	131.87	7.78
08 71 23 00-0708	EA		Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62).....	129.93	6.80
08 71 23 00-0709			Dust Proof Strikes (08 71 23 00-0658)		
08 71 23 00-0710	EA		Satin Brass Finish, Brass Dust Proof Strike (Ives DP1).....	23.38	3.89
08 71 23 00-0711	EA		Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	23.38	3.89
08 71 23 00-0712	EA		Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	23.38	3.89
08 71 23 00-0713	EA		Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	23.38	3.89
08 71 23 00-0714	EA		Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	23.38	3.89
08 71 23 00-0715	EA		Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	27.45	3.89
08 71 23 00-0716	EA		Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	27.45	3.89
08 71 23 00-0717	EA		Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	27.45	3.89
08 71 23 00-0718	EA		Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	27.45	3.89
08 71 23 00-0719	EA		Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	27.45	3.89
08 71 23 00-0720			Roller Bumpers (08 71 23 00-0421)		
08 71 23 00-0721			Brass Roller Bumpers (08 71 23 00-0720)		

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-0722	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470)	25.39	2.92
08 71 23 00-0723	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	30.26	2.92
08 71 23 00-0724	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	30.26	2.92
08 71 23 00-0725	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	24.29	2.92
08 71 23 00-0726	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	28.00	2.92
08 71 23 00-0727	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	28.00	2.92
08 71 23 00-0728	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	28.00	2.92
08 71 23 00-0729	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	25.47	2.92
08 71 23 00-0730	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	28.09	2.92
08 71 23 00-0731	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	29.33	2.92
08 71 23 00-0732	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	29.33	2.92
08 71 23 00-0733	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	29.33	2.92
08 71 23 00-0734	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	29.33	2.92
08 71 23 00-0735	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	29.33	2.92

08 71 23 00-0736 Other Door Trim (08 71 23 00-0421)**08 71 23 00-0737 Coat And Hat Hooks** (08 71 23 00-0736)**08 71 23 00-0738 Aluminum Coat And Hat Hooks** (08 71 23 00-0737)

08 71 23 00-0739	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581)	7.08	2.92
08 71 23 00-0740	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	7.08	2.92
08 71 23 00-0741	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	7.17	2.92
08 71 23 00-0742	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571)	7.01	2.92
08 71 23 00-0743	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	7.01	2.92
08 71 23 00-0744	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	7.01	2.92
08 71 23 00-0745	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	7.17	2.92
08 71 23 00-0746	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	7.62	2.92
08 71 23 00-0747	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	7.62	2.92
08 71 23 00-0748	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	7.62	2.92
08 71 23 00-0749	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	7.62	2.92
08 71 23 00-0750	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	7.62	2.92

08 71 23 00-0751 Brass Coat And Hat Hooks (08 71 23 00-0737)

08 71 23 00-0752	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	9.55	2.92
08 71 23 00-0753	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	9.79	2.92
08 71 23 00-0754	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	10.17	2.92
08 71 23 00-0755	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	10.17	2.92
08 71 23 00-0756	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	10.41	2.92
08 71 23 00-0757	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	11.18	2.92
08 71 23 00-0758	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	12.26	2.92
08 71 23 00-0759	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	12.26	2.92
08 71 23 00-0760	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	12.26	2.92
08 71 23 00-0761	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	12.50	2.92

08 71 23 00-0762 Door Plates And Pulls (08 71 23)**08 71 23 00-0763 Kick Plate** (08 71 23 00-0762)

Note: Ives 8400.

08 71 23 00-0764 Aluminum Base Material Kick Plate (08 71 23 00-0763)**08 71 23 00-0765 Satin Aluminum Finish, Aluminum Kick Plate** (08 71 23 00-0764)

08 71 23 00-0766	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	23.72	2.92
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0767	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	24.83	2.92
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0768	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	25.92	2.92
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0769	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	27.01	2.92
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0770	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	28.91	3.11
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0771	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	29.98	3.11
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0772	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	31.09	3.11
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0773	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	32.17	3.11
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	



	Openings	08
	Hardware	08 70
	Door Hardware	08 71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0774	EA		8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.04 1.76 5.60 9.80	3.31
08 71 23 00-0775	EA		8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.14 1.76 5.60 9.80	3.31
08 71 23 00-0776	EA		8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.22 1.76 5.60 9.80	3.31
08 71 23 00-0777	EA		8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.11 1.76 5.60 9.80	3.50
08 71 23 00-0778	EA		8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.21 1.76 5.60 9.80	3.50
08 71 23 00-0779	EA		8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.30 1.76 5.60 9.80	3.50
08 71 23 00-0780	EA		10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	26.75 1.76 5.60 9.80	2.92
08 71 23 00-0781	EA		10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	28.13 1.76 5.60 9.80	2.92
08 71 23 00-0782	EA		10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	29.48 1.76 5.60 9.80	2.92
08 71 23 00-0783	EA		10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	30.85 1.76 5.60 9.80	2.92
08 71 23 00-0784	EA		10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	33.01 1.76 5.60 9.80	3.11
08 71 23 00-0785	EA		10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.37 1.76 5.60 9.80	3.11
08 71 23 00-0786	EA		10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.74 1.76 5.60 9.80	3.11
08 71 23 00-0787	EA		10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.11 1.76 5.60 9.80	3.11
08 71 23 00-0788	EA		10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.25 1.76 5.60 9.80	3.31
08 71 23 00-0789	EA		10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.62 1.76 5.60 9.80	3.31
08 71 23 00-0790	EA		10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.99 1.76 5.60 9.80	3.31
08 71 23 00-0791	EA		10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.15 1.76 5.60 9.80	3.50
08 71 23 00-0792	EA		10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.50 1.76 5.60 9.80	3.50
08 71 23 00-0793	EA		10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.87 1.76 5.60 9.80	3.50
08 71 23 00-0794	EA		12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	29.77 1.76 5.60 9.80	2.92
08 71 23 00-0795	EA		12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	31.39 1.76 5.60 9.80	2.92

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-0796	EA 12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	33.06	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0797	EA 12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	34.67	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0798	EA 12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	37.11	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0799	EA 12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	38.75	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0800	EA 12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	40.39	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0801	EA 12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	42.04	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0802	EA 12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	44.45	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0803	EA 12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	46.09	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0804	EA 12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	47.75	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0805	EA 12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	50.17	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0806	EA 12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	51.81	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0807	EA 12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	53.46	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0808	EA 14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	33.54	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0809	EA 14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	35.45	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0810	EA 14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	37.40	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0811	EA 14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	39.32	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0812	EA 14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	41.99	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0813	EA 14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	43.91	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0814	EA 14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	45.83	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0815	EA 14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	47.75	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0816	EA 14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	50.44	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0817	EA 14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	52.35	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0818	EA		14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	54.27 1.76 5.60 9.80	3.50
08 71 23 00-0819	EA		14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	56.97 1.76 5.60 9.80	3.69
08 71 23 00-0820	EA		14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	58.90 1.76 5.60 9.80	3.69
08 71 23 00-0821	EA		14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	60.81 1.76 5.60 9.80	3.69
08 71 23 00-0822	EA		16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	36.56 1.76 5.60 9.80	3.11
08 71 23 00-0823	EA		16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	38.75 1.76 5.60 9.80	3.11
08 71 23 00-0824	EA		16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	40.96 1.76 5.60 9.80	3.11
08 71 23 00-0825	EA		16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	43.14 1.76 5.60 9.80	3.11
08 71 23 00-0826	EA		16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	43.91 1.76 5.60 9.80	3.31
08 71 23 00-0827	EA		16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	48.30 1.76 5.60 9.80	3.31
08 71 23 00-0828	EA		16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	50.50 1.76 5.60 9.80	3.31
08 71 23 00-0829	EA		16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	52.68 1.76 5.60 9.80	3.31
08 71 23 00-0830	EA		16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	55.64 1.76 5.60 9.80	3.50
08 71 23 00-0831	EA		16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	57.85 1.76 5.60 9.80	3.50
08 71 23 00-0832	EA		16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	60.03 1.76 5.60 9.80	3.50
08 71 23 00-0833	EA		16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	63.00 1.76 5.60 9.80	3.69
08 71 23 00-0834	EA		16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	65.19 1.76 5.60 9.80	3.69
08 71 23 00-0835	EA		16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	67.40 1.76 5.60 9.80	3.69
08 71 23 00-0836	EA		18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	41.31 6.30 5.60 9.80	3.11
08 71 23 00-0837	EA		18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	43.93 6.30 5.60 9.80	3.11
08 71 23 00-0838	EA		18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	46.56 6.30 5.60 9.80	3.11
08 71 23 00-0839	EA		18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	49.18 6.30 5.60 9.80	3.11

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-0840	EA 18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	52.57	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0841	EA 18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	55.19	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0842	EA 18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	57.82	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0843	EA 18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	60.44	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0844	EA 18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	63.85	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0845	EA 18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	66.47	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0846	EA 18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	69.09	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0847	EA 18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	72.50	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0848	EA 18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	75.12	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0849	EA 18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	77.75	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0850	EA 20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	45.28	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0851	EA 20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	48.20	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0852	EA 20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	51.11	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0853	EA 20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	54.03	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0854	EA 20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	57.72	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0855	EA 20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	60.64	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0856	EA 20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	63.55	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0857	EA 20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	66.47	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0858	EA 20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	70.16	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0859	EA 20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	73.08	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0860	EA 20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	75.99	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0861	EA 20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	79.69	3.89
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0862	EA		20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.60 6.30 5.60 9.80	3.89
08 71 23 00-0863	EA		20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.52 6.30 5.60 9.80	3.89
08 71 23 00-0864	EA		22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.49 6.30 5.60 9.80	3.31
08 71 23 00-0865	EA		22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.70 6.30 5.60 9.80	3.31
08 71 23 00-0866	EA		22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.90 6.30 5.60 9.80	3.31
08 71 23 00-0867	EA		22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.11 6.30 5.60 9.80	3.31
08 71 23 00-0868	EA		22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.10 6.30 5.60 9.80	3.50
08 71 23 00-0869	EA		22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.31 6.30 5.60 9.80	3.50
08 71 23 00-0870	EA		22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.51 6.30 5.60 9.80	3.50
08 71 23 00-0871	EA		22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.72 6.30 5.60 9.80	3.50
08 71 23 00-0872	EA		22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.70 6.30 5.60 9.80	3.69
08 71 23 00-0873	EA		22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.91 6.30 5.60 9.80	3.69
08 71 23 00-0874	EA		22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.12 6.30 5.60 9.80	3.69
08 71 23 00-0875	EA		22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.10 6.30 5.60 9.80	3.89
08 71 23 00-0876	EA		22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.31 6.30 5.60 9.80	3.89
08 71 23 00-0877	EA		22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.51 6.30 5.60 9.80	3.89
08 71 23 00-0878	EA		24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.70 6.30 5.60 9.80	3.31
08 71 23 00-0879	EA		24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.19 6.30 5.60 9.80	3.31
08 71 23 00-0880	EA		24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.70 6.30 5.60 9.80	3.31
08 71 23 00-0881	EA		24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.19 6.30 5.60 9.80	3.31
08 71 23 00-0882	EA		24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.47 6.30 5.60 9.80	3.50
08 71 23 00-0883	EA		24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.97 6.30 5.60 9.80	3.50

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-0884	EA 24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	73.46	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0885	EA 24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	76.97	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0886	EA 24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	81.24	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0887	EA 24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	84.74	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0888	EA 24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	88.24	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0889	EA 24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	92.51	3.89
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0890	EA 24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	96.02	3.89
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0891	EA 24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	99.51	3.89
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	

08 71 23 00-0892 Brass Base Material Kick Plate (08 71 23 00-0763)

08 71 23 00-0893 Bright/Satin Brass Finish, Brass Kick Plate (08 71 23 00-0892)

08 71 23 00-0894	EA 8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	51.56	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0895	EA 8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	55.18	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0896	EA 8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	58.81	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0897	EA 8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	62.44	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0898	EA 8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	66.84	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0899	EA 8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	70.48	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0900	EA 8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	74.11	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0901	EA 8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	77.73	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0902	EA 8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	82.12	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0903	EA 8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	85.74	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0904	EA 8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	89.36	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0905	EA 8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	93.76	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0906	EA 8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	97.41	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-0907	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.03 1.76 5.60 9.80	3.50
08 71	23 00-0908	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.54 1.76 5.60 9.80	2.92
08 71	23 00-0909	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.06 1.76 5.60 9.80	2.92
08 71	23 00-0910	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.60 1.76 5.60 9.80	2.92
08 71	23 00-0911	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.13 1.76 5.60 9.80	2.92
08 71	23 00-0912	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.43 1.76 5.60 9.80	3.11
08 71	23 00-0913	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.97 1.76 5.60 9.80	3.11
08 71	23 00-0914	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.51 1.76 5.60 9.80	3.11
08 71	23 00-0915	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.04 1.76 5.60 9.80	3.11
08 71	23 00-0916	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.33 1.76 5.60 9.80	3.31
08 71	23 00-0917	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.87 1.76 5.60 9.80	3.31
08 71	23 00-0918	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.42 1.76 5.60 9.80	3.31
08 71	23 00-0919	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.72 1.76 5.60 9.80	3.50
08 71	23 00-0920	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.26 1.76 5.60 9.80	3.50
08 71	23 00-0921	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.79 1.76 5.60 9.80	3.50
08 71	23 00-0922	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.48 1.76 5.60 9.80	2.92
08 71	23 00-0923	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.95 1.76 5.60 9.80	2.92
08 71	23 00-0924	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.37 1.76 5.60 9.80	2.92
08 71	23 00-0925	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.81 1.76 5.60 9.80	2.92
08 71	23 00-0926	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.04 1.76 5.60 9.80	3.11
08 71	23 00-0927	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.48 1.76 5.60 9.80	3.11
08 71	23 00-0928	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.92 1.76 5.60 9.80	3.11

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-0929	EA 12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	110.35	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0930	EA 12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	116.58	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0931	EA 12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	122.01	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0932	EA 12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	127.45	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0933	EA 12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	133.67	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0934	EA 12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	139.09	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0935	EA 12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	144.56	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0936	EA 14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	82.26	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0937	EA 14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	88.59	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0938	EA 14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	94.94	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0939	EA 14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	101.30	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0940	EA 14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	108.42	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0941	EA 14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	114.77	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0942	EA 14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	121.10	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0943	EA 14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	127.45	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0944	EA 14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	134.57	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0945	EA 14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	140.92	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0946	EA 14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	147.26	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0947	EA 14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	154.38	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0948	EA 14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	160.74	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0949	EA 14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	167.09	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0950	EA 16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	117.55	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0951	EA		16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.13 1.76 5.60 9.80	3.11
08 71 23 00-0952	EA		16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.68 1.76 5.60 9.80	3.11
08 71 23 00-0953	EA		16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.22 1.76 5.60 9.80	3.11
08 71 23 00-0954	EA		16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.55 1.76 5.60 9.80	3.31
08 71 23 00-0955	EA		16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.11 1.76 5.60 9.80	3.31
08 71 23 00-0956	EA		16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.68 1.76 5.60 9.80	3.31
08 71 23 00-0957	EA		16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.20 1.76 5.60 9.80	3.31
08 71 23 00-0958	EA		16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.56 1.76 5.60 9.80	3.50
08 71 23 00-0959	EA		16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	205.13 1.76 5.60 9.80	3.50
08 71 23 00-0960	EA		16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	214.68 1.76 5.60 9.80	3.50
08 71 23 00-0961	EA		16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	225.00 1.76 5.60 9.80	3.69
08 71 23 00-0962	EA		16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.55 1.76 5.60 9.80	3.69
08 71 23 00-0963	EA		16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.12 1.76 5.60 9.80	3.69
08 71 23 00-0964	EA		18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.49 6.30 5.60 9.80	3.11
08 71 23 00-0965	EA		18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.21 6.30 5.60 9.80	3.11
08 71 23 00-0966	EA		18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.93 6.30 5.60 9.80	3.11
08 71 23 00-0967	EA		18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.68 6.30 5.60 9.80	3.11
08 71 23 00-0968	EA		18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.18 6.30 5.60 9.80	3.31
08 71 23 00-0969	EA		18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.89 6.30 5.60 9.80	3.31
08 71 23 00-0970	EA		18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.64 6.30 5.60 9.80	3.31
08 71 23 00-0971	EA		18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.35 6.30 5.60 9.80	3.31
08 71 23 00-0972	EA		18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.89 6.30 5.60 9.80	3.50

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-0973	EA 18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	228.61	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0974	EA 18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	239.32	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0975	EA 18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	250.86	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0976	EA 18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	261.57	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0977	EA 18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	272.30	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0978	EA 20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	144.37	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0979	EA 20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	156.28	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0980	EA 20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	168.22	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0981	EA 20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	180.12	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0982	EA 20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	192.84	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0983	EA 20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	204.76	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0984	EA 20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	216.67	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0985	EA 20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	228.61	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0986	EA 20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	241.29	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0987	EA 20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	253.23	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0988	EA 20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	265.15	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0989	EA 20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	277.85	3.89
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0990	EA 20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	289.78	3.89
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0991	EA 20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	301.68	3.89
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0992	EA 22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	157.49	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0993	EA 22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	170.59	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-0994	EA 22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	183.70	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-0995	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.83 6.30 5.60 9.80	3.31
08 71	23 00-0996	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.72 6.30 5.60 9.80	3.50
08 71	23 00-0997	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.84 6.30 5.60 9.80	3.50
08 71	23 00-0998	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	236.95 6.30 5.60 9.80	3.50
08 71	23 00-0999	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.08 6.30 5.60 9.80	3.50
08 71	23 00-1000	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	263.95 6.30 5.60 9.80	3.69
08 71	23 00-1001	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.07 6.30 5.60 9.80	3.69
08 71	23 00-1002	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	290.19 6.30 5.60 9.80	3.69
08 71	23 00-1003	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	304.08 6.30 5.60 9.80	3.89
08 71	23 00-1004	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.20 6.30 5.60 9.80	3.89
08 71	23 00-1005	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	330.29 6.30 5.60 9.80	3.89
08 71	23 00-1006	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.59 6.30 5.60 9.80	3.31
08 71	23 00-1007	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.89 6.30 5.60 9.80	3.31
08 71	23 00-1008	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.21 6.30 5.60 9.80	3.31
08 71	23 00-1009	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.52 6.30 5.60 9.80	3.31
08 71	23 00-1010	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.61 6.30 5.60 9.80	3.50
08 71	23 00-1011	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	242.91 6.30 5.60 9.80	3.50
08 71	23 00-1012	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.22 6.30 5.60 9.80	3.50
08 71	23 00-1013	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.31 6.30 5.60 9.80	3.50
08 71	23 00-1014	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.61 6.30 5.60 9.80	3.69
08 71	23 00-1015	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.90 6.30 5.60 9.80	3.69
08 71	23 00-1016	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	315.21 6.30 5.60 9.80	3.69

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1017	EA 24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	330.29	3.89
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1018	EA 24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	344.63	3.89
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1019	EA 24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	358.92	3.89
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1020	Bright/Satin Chrome Finish, Brass Kick Plate (08 71 23 00-0892)		
08 71 23 00-1021	EA 8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	55.66	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1022	EA 8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	59.66	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1023	EA 8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	63.66	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1024	EA 8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	67.66	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1025	EA 8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	72.44	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1026	EA 8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	76.43	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1027	EA 8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	80.43	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1028	EA 8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	84.43	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1029	EA 8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	89.20	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1030	EA 8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	93.21	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1031	EA 8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	97.21	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1032	EA 8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	101.99	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1033	EA 8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	105.99	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1034	EA 8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	109.99	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1035	EA 10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	66.66	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1036	EA 10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	71.66	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1037	EA 10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	76.66	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1038	EA 10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	81.65	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1039	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	87.44 1.76 5.60 9.80	3.11
08 71	23 00-1040	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	92.44 1.76 5.60 9.80	3.11
08 71	23 00-1041	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	97.44 1.76 5.60 9.80	3.11
08 71	23 00-1042	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	102.44 1.76 5.60 9.80	3.11
08 71	23 00-1043	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	108.20 1.76 5.60 9.80	3.31
08 71	23 00-1044	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	113.20 1.76 5.60 9.80	3.31
08 71	23 00-1045	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	118.20 1.76 5.60 9.80	3.31
08 71	23 00-1046	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	123.97 1.76 5.60 9.80	3.50
08 71	23 00-1047	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	128.97 1.76 5.60 9.80	3.50
08 71	23 00-1048	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	133.97 1.76 5.60 9.80	3.50
08 71	23 00-1049	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	77.65 1.76 5.60 9.80	2.92
08 71	23 00-1050	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	83.65 1.76 5.60 9.80	2.92
08 71	23 00-1051	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	89.67 1.76 5.60 9.80	2.92
08 71	23 00-1052	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	95.66 1.76 5.60 9.80	2.92
08 71	23 00-1053	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	102.44 1.76 5.60 9.80	3.11
08 71	23 00-1054	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	108.44 1.76 5.60 9.80	3.11
08 71	23 00-1055	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	114.44 1.76 5.60 9.80	3.11
08 71	23 00-1056	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	120.43 1.76 5.60 9.80	3.11
08 71	23 00-1057	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	127.19 1.76 5.60 9.80	3.31
08 71	23 00-1058	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	133.19 1.76 5.60 9.80	3.31
08 71	23 00-1059	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	139.20 1.76 5.60 9.80	3.31
08 71	23 00-1060	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	145.97 1.76 5.60 9.80	3.50

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1061	EA 12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	151.99	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1062	EA 12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	157.98	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1063	EA 14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	89.43	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1064	EA 14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	96.44	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1065	EA 14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	103.45	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1066	EA 14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	110.44	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1067	EA 14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	118.20	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1068	EA 14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	125.20	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1069	EA 14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	132.19	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1070	EA 14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	139.20	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1071	EA 14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	146.99	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1072	EA 14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	153.98	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1073	EA 14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	160.97	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1074	EA 14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	156.14	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1075	EA 14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	175.75	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1076	EA 14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	182.75	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1077	EA 16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	129.76	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1078	EA 16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	140.43	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1079	EA 16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	151.09	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1080	EA 16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	161.76	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1081	EA 16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	173.19	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1082	EA 16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	183.85	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1083	EA		16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	194.53 1.76 5.60 9.80	3.31
08 71 23 00-1084	EA		16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	205.19 1.76 5.60 9.80	3.31
08 71 23 00-1085	EA		16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	216.64 1.76 5.60 9.80	3.50
08 71 23 00-1086	EA		16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	227.30 1.76 5.60 9.80	3.50
08 71 23 00-1087	EA		16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	237.96 1.76 5.60 9.80	3.50
08 71 23 00-1088	EA		16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	249.41 1.76 5.60 9.80	3.69
08 71 23 00-1089	EA		16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	260.07 1.76 5.60 9.80	3.69
08 71 23 00-1090	EA		16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	270.73 1.76 5.60 9.80	3.69
08 71 23 00-1091	EA		18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	144.04 6.30 5.60 9.80	3.11
08 71 23 00-1092	EA		18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	156.02 6.30 5.60 9.80	3.11
08 71 23 00-1093	EA		18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	167.97 6.30 5.60 9.80	3.11
08 71 23 00-1094	EA		18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	179.94 6.30 5.60 9.80	3.11
08 71 23 00-1095	EA		18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	192.66 6.30 5.60 9.80	3.31
08 71 23 00-1096	EA		18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	204.62 6.30 5.60 9.80	3.31
08 71 23 00-1097	EA		18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	216.59 6.30 5.60 9.80	3.31
08 71 23 00-1098	EA		18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	228.55 6.30 5.60 9.80	3.31
08 71 23 00-1099	EA		18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	241.28 6.30 5.60 9.80	3.50
08 71 23 00-1100	EA		18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	253.26 6.30 5.60 9.80	3.50
08 71 23 00-1101	EA		18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	265.23 6.30 5.60 9.80	3.50
08 71 23 00-1102	EA		18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	277.96 6.30 5.60 9.80	3.69
08 71 23 00-1103	EA		18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	289.94 6.30 5.60 9.80	3.69
08 71 23 00-1104	EA		18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	301.89 6.30 5.60 9.80	3.69

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1105	EA 20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.42 6.30 5.60 9.80	3.31
08 71 23 00-1106	EA 20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.74 6.30 5.60 9.80	3.31
08 71 23 00-1107	EA 20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.01 6.30 5.60 9.80	3.31
08 71 23 00-1108	EA 20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.32 6.30 5.60 9.80	3.31
08 71 23 00-1109	EA 20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.38 6.30 5.60 9.80	3.50
08 71 23 00-1110	EA 20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.67 6.30 5.60 9.80	3.50
08 71 23 00-1111	EA 20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.97 6.30 5.60 9.80	3.50
08 71 23 00-1112	EA 20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.26 6.30 5.60 9.80	3.50
08 71 23 00-1113	EA 20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.35 6.30 5.60 9.80	3.69
08 71 23 00-1114	EA 20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.62 6.30 5.60 9.80	3.69
08 71 23 00-1115	EA 20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	293.91 6.30 5.60 9.80	3.69
08 71 23 00-1116	EA 20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.99 6.30 5.60 9.80	3.89
08 71 23 00-1117	EA 20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.28 6.30 5.60 9.80	3.89
08 71 23 00-1118	EA 20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.58 6.30 5.60 9.80	3.89
08 71 23 00-1119	EA 22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.05 6.30 5.60 9.80	3.31
08 71 23 00-1120	EA 22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.69 6.30 5.60 9.80	3.31
08 71 23 00-1121	EA 22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.30 6.30 5.60 9.80	3.31
08 71 23 00-1122	EA 22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.91 6.30 5.60 9.80	3.31
08 71 23 00-1123	EA 22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.33 6.30 5.60 9.80	3.50
08 71 23 00-1124	EA 22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.94 6.30 5.60 9.80	3.50
08 71 23 00-1125	EA 22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	262.57 6.30 5.60 9.80	3.50
08 71 23 00-1126	EA 22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.18 6.30 5.60 9.80	3.50



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1127	EA		22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.60 6.30 5.60 9.80	3.69
08 71 23 00-1128	EA		22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.21 6.30 5.60 9.80	3.69
08 71 23 00-1129	EA		22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.84 6.30 5.60 9.80	3.69
08 71 23 00-1130	EA		22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.23 6.30 5.60 9.80	3.89
08 71 23 00-1131	EA		22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.84 6.30 5.60 9.80	3.89
08 71 23 00-1132	EA		22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	366.48 6.30 5.60 9.80	3.89
08 71 23 00-1133	EA		24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.69 6.30 5.60 9.80	3.31
08 71 23 00-1134	EA		24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.62 6.30 5.60 9.80	3.31
08 71 23 00-1135	EA		24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.58 6.30 5.60 9.80	3.31
08 71 23 00-1136	EA		24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	236.53 6.30 5.60 9.80	3.31
08 71 23 00-1137	EA		24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.26 6.30 5.60 9.80	3.50
08 71 23 00-1138	EA		24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	269.21 6.30 5.60 9.80	3.50
08 71 23 00-1139	EA		24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.18 6.30 5.60 9.80	3.50
08 71 23 00-1140	EA		24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.11 6.30 5.60 9.80	3.50
08 71 23 00-1141	EA		24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.84 6.30 5.60 9.80	3.69
08 71 23 00-1142	EA		24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.80 6.30 5.60 9.80	3.69
08 71 23 00-1143	EA		24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	349.75 6.30 5.60 9.80	3.69
08 71 23 00-1144	EA		24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	366.48 6.30 5.60 9.80	3.89
08 71 23 00-1145	EA		24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.43 6.30 5.60 9.80	3.89
08 71 23 00-1146	EA		24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	398.38 6.30 5.60 9.80	3.89
08 71 23 00-1147			Satin/Dark Bronze Finish, Brass Kick Plate (08 71 23 00-0892)		
08 71 23 00-1148	EA		8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.44 1.76 5.60 9.80	2.92

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1149	EA 8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	60.49	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1150	EA 8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	64.58	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1151	EA 8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	68.63	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1152	EA 8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	73.50	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1153	EA 8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	77.56	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1154	EA 8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	81.64	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1155	EA 8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	85.70	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1156	EA 8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	90.52	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1157	EA 8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	94.61	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1158	EA 8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	98.68	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1159	EA 8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	103.53	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1160	EA 8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	107.60	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1161	EA 8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	111.67	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1162	EA 10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	67.62	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1163	EA 10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	72.72	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1164	EA 10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	77.79	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1165	EA 10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	82.88	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1166	EA 10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	88.74	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1167	EA 10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	93.84	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1168	EA 10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	98.92	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1169	EA 10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	104.00	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1170	EA 10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	109.87	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1171	EA		10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.95 1.76 5.60 9.80	3.31
08 71 23 00-1172	EA		10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.03 1.76 5.60 9.80	3.31
08 71 23 00-1173	EA		10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.92 1.76 5.60 9.80	3.50
08 71 23 00-1174	EA		10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.99 1.76 5.60 9.80	3.50
08 71 23 00-1175	EA		10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.08 1.76 5.60 9.80	3.50
08 71 23 00-1176	EA		12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.82 1.76 5.60 9.80	2.92
08 71 23 00-1177	EA		12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.92 1.76 5.60 9.80	2.92
08 71 23 00-1178	EA		12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.02 1.76 5.60 9.80	2.92
08 71 23 00-1179	EA		12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.13 1.76 5.60 9.80	2.92
08 71 23 00-1180	EA		12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.00 1.76 5.60 9.80	3.11
08 71 23 00-1181	EA		12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.12 1.76 5.60 9.80	3.11
08 71 23 00-1182	EA		12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.23 1.76 5.60 9.80	3.11
08 71 23 00-1183	EA		12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.32 1.76 5.60 9.80	3.11
08 71 23 00-1184	EA		12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.20 1.76 5.60 9.80	3.31
08 71 23 00-1185	EA		12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.30 1.76 5.60 9.80	3.31
08 71 23 00-1186	EA		12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.39 1.76 5.60 9.80	3.31
08 71 23 00-1187	EA		12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.28 1.76 5.60 9.80	3.50
08 71 23 00-1188	EA		12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.40 1.76 5.60 9.80	3.50
08 71 23 00-1189	EA		12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.49 1.76 5.60 9.80	3.50
08 71 23 00-1190	EA		14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.78 1.76 5.60 9.80	3.11
08 71 23 00-1191	EA		14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.91 1.76 5.60 9.80	3.11
08 71 23 00-1192	EA		14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.02 1.76 5.60 9.80	3.11

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1193	EA 14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.14 1.76 5.60 9.80	3.11
08 71 23 00-1194	EA 14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.03 1.76 5.60 9.80	3.31
08 71 23 00-1195	EA 14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.16 1.76 5.60 9.80	3.31
08 71 23 00-1196	EA 14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.27 1.76 5.60 9.80	3.31
08 71 23 00-1197	EA 14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.39 1.76 5.60 9.80	3.31
08 71 23 00-1198	EA 14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.30 1.76 5.60 9.80	3.50
08 71 23 00-1199	EA 14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.42 1.76 5.60 9.80	3.50
08 71 23 00-1200	EA 14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.54 1.76 5.60 9.80	3.50
08 71 23 00-1201	EA 14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.44 1.76 5.60 9.80	3.69
08 71 23 00-1202	EA 14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.59 1.76 5.60 9.80	3.69
08 71 23 00-1203	EA 14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.70 1.76 5.60 9.80	3.69
08 71 23 00-1204	EA 16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.76 1.76 5.60 9.80	3.11
08 71 23 00-1205	EA 16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.43 1.76 5.60 9.80	3.11
08 71 23 00-1206	EA 16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.09 1.76 5.60 9.80	3.11
08 71 23 00-1207	EA 16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.76 1.76 5.60 9.80	3.11
08 71 23 00-1208	EA 16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.19 1.76 5.60 9.80	3.31
08 71 23 00-1209	EA 16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.85 1.76 5.60 9.80	3.31
08 71 23 00-1210	EA 16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.53 1.76 5.60 9.80	3.31
08 71 23 00-1211	EA 16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	205.19 1.76 5.60 9.80	3.31
08 71 23 00-1212	EA 16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.64 1.76 5.60 9.80	3.50
08 71 23 00-1213	EA 16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.30 1.76 5.60 9.80	3.50
08 71 23 00-1214	EA 16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.96 1.76 5.60 9.80	3.50



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1215	EA		16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	249.41 1.76 5.60 9.80	3.69
08 71 23 00-1216	EA		16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	260.07 1.76 5.60 9.80	3.69
08 71 23 00-1217	EA		16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.73 1.76 5.60 9.80	3.69
08 71 23 00-1218	EA		18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.04 6.30 5.60 9.80	3.11
08 71 23 00-1219	EA		18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.02 6.30 5.60 9.80	3.11
08 71 23 00-1220	EA		18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.97 6.30 5.60 9.80	3.11
08 71 23 00-1221	EA		18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.94 6.30 5.60 9.80	3.11
08 71 23 00-1222	EA		18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.66 6.30 5.60 9.80	3.31
08 71 23 00-1223	EA		18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.62 6.30 5.60 9.80	3.31
08 71 23 00-1224	EA		18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.59 6.30 5.60 9.80	3.31
08 71 23 00-1225	EA		18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.55 6.30 5.60 9.80	3.31
08 71 23 00-1226	EA		18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.28 6.30 5.60 9.80	3.50
08 71 23 00-1227	EA		18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.26 6.30 5.60 9.80	3.50
08 71 23 00-1228	EA		18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.23 6.30 5.60 9.80	3.50
08 71 23 00-1229	EA		18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.96 6.30 5.60 9.80	3.69
08 71 23 00-1230	EA		18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.94 6.30 5.60 9.80	3.69
08 71 23 00-1231	EA		18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.89 6.30 5.60 9.80	3.69
08 71 23 00-1232	EA		20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.42 6.30 5.60 9.80	3.31
08 71 23 00-1233	EA		20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.74 6.30 5.60 9.80	3.31
08 71 23 00-1234	EA		20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.01 6.30 5.60 9.80	3.31
08 71 23 00-1235	EA		20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.32 6.30 5.60 9.80	3.31
08 71 23 00-1236	EA		20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.38 6.30 5.60 9.80	3.50

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1237	EA 20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.67 6.30 5.60 9.80	3.50
08 71 23 00-1238	EA 20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.97 6.30 5.60 9.80	3.50
08 71 23 00-1239	EA 20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.26 6.30 5.60 9.80	3.50
08 71 23 00-1240	EA 20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.35 6.30 5.60 9.80	3.69
08 71 23 00-1241	EA 20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.62 6.30 5.60 9.80	3.69
08 71 23 00-1242	EA 20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	293.91 6.30 5.60 9.80	3.69
08 71 23 00-1243	EA 20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.99 6.30 5.60 9.80	3.89
08 71 23 00-1244	EA 20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.28 6.30 5.60 9.80	3.89
08 71 23 00-1245	EA 20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.58 6.30 5.60 9.80	3.89
08 71 23 00-1246	EA 22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.05 6.30 5.60 9.80	3.31
08 71 23 00-1247	EA 22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.69 6.30 5.60 9.80	3.31
08 71 23 00-1248	EA 22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.30 6.30 5.60 9.80	3.31
08 71 23 00-1249	EA 22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.91 6.30 5.60 9.80	3.31
08 71 23 00-1250	EA 22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.33 6.30 5.60 9.80	3.50
08 71 23 00-1251	EA 22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.94 6.30 5.60 9.80	3.50
08 71 23 00-1252	EA 22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	262.57 6.30 5.60 9.80	3.50
08 71 23 00-1253	EA 22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.18 6.30 5.60 9.80	3.50
08 71 23 00-1254	EA 22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.60 6.30 5.60 9.80	3.69
08 71 23 00-1255	EA 22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.21 6.30 5.60 9.80	3.69
08 71 23 00-1256	EA 22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.84 6.30 5.60 9.80	3.69
08 71 23 00-1257	EA 22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.23 6.30 5.60 9.80	3.89
08 71 23 00-1258	EA 22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.84 6.30 5.60 9.80	3.89



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1259	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	366.48 6.30 5.60 9.80	3.89
08 71	23 00-1260	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.69 6.30 5.60 9.80	3.31
08 71	23 00-1261	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.62 6.30 5.60 9.80	3.31
08 71	23 00-1262	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.58 6.30 5.60 9.80	3.31
08 71	23 00-1263	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	236.53 6.30 5.60 9.80	3.31
08 71	23 00-1264	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.26 6.30 5.60 9.80	3.50
08 71	23 00-1265	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	269.21 6.30 5.60 9.80	3.50
08 71	23 00-1266	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.18 6.30 5.60 9.80	3.50
08 71	23 00-1267	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.11 6.30 5.60 9.80	3.50
08 71	23 00-1268	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.84 6.30 5.60 9.80	3.69
08 71	23 00-1269	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.80 6.30 5.60 9.80	3.69
08 71	23 00-1270	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	349.75 6.30 5.60 9.80	3.69
08 71	23 00-1271	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	366.48 6.30 5.60 9.80	3.89
08 71	23 00-1272	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.43 6.30 5.60 9.80	3.89
08 71	23 00-1273	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	398.38 6.30 5.60 9.80	3.89
08 71 23 00-1274 Satin Nickel Finish, Brass Kick Plate (08 71 23 00-0892)					
08 71	23 00-1275	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.44 1.76 5.60 9.80	2.92
08 71	23 00-1276	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.49 1.76 5.60 9.80	2.92
08 71	23 00-1277	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.58 1.76 5.60 9.80	2.92
08 71	23 00-1278	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.63 1.76 5.60 9.80	2.92
08 71	23 00-1279	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.50 1.76 5.60 9.80	3.11
08 71	23 00-1280	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.56 1.76 5.60 9.80	3.11

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1281	EA 8" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	81.64	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1282	EA 8" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	85.70	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1283	EA 8" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	90.52	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1284	EA 8" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	94.61	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1285	EA 8" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	98.68	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1286	EA 8" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	103.53	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1287	EA 8" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	107.60	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1288	EA 8" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	111.67	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1289	EA 10" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	67.62	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1290	EA 10" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	72.72	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1291	EA 10" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	77.79	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1292	EA 10" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	82.88	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1293	EA 10" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	88.74	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1294	EA 10" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	93.84	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1295	EA 10" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	98.92	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1296	EA 10" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	104.00	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1297	EA 10" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	109.87	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1298	EA 10" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	114.95	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1299	EA 10" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	120.03	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1300	EA 10" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	125.92	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1301	EA 10" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	130.99	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1302	EA 10" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	136.08	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1303	EA		12" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.82 1.76 5.60 9.80	2.92
08 71 23 00-1304	EA		12" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.92 1.76 5.60 9.80	2.92
08 71 23 00-1305	EA		12" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.02 1.76 5.60 9.80	2.92
08 71 23 00-1306	EA		12" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.13 1.76 5.60 9.80	2.92
08 71 23 00-1307	EA		12" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.00 1.76 5.60 9.80	3.11
08 71 23 00-1308	EA		12" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.12 1.76 5.60 9.80	3.11
08 71 23 00-1309	EA		12" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.23 1.76 5.60 9.80	3.11
08 71 23 00-1310	EA		12" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.32 1.76 5.60 9.80	3.11
08 71 23 00-1311	EA		12" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.20 1.76 5.60 9.80	3.31
08 71 23 00-1312	EA		12" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.30 1.76 5.60 9.80	3.31
08 71 23 00-1313	EA		12" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.39 1.76 5.60 9.80	3.31
08 71 23 00-1314	EA		12" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.28 1.76 5.60 9.80	3.50
08 71 23 00-1315	EA		12" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.40 1.76 5.60 9.80	3.50
08 71 23 00-1316	EA		12" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.49 1.76 5.60 9.80	3.50
08 71 23 00-1317	EA		14" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.78 1.76 5.60 9.80	3.11
08 71 23 00-1318	EA		14" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.91 1.76 5.60 9.80	3.11
08 71 23 00-1319	EA		14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.02 1.76 5.60 9.80	3.11
08 71 23 00-1320	EA		14" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.14 1.76 5.60 9.80	3.11
08 71 23 00-1321	EA		14" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.03 1.76 5.60 9.80	3.31
08 71 23 00-1322	EA		14" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.16 1.76 5.60 9.80	3.31
08 71 23 00-1323	EA		14" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.27 1.76 5.60 9.80	3.31
08 71 23 00-1324	EA		14" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.39 1.76 5.60 9.80	3.31

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1325	EA 14" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	149.30	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1326	EA 14" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	156.42	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1327	EA 14" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	163.54	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1328	EA 14" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	171.44	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1329	EA 14" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	178.59	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1330	EA 14" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	185.70	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1331	EA 16" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	129.76	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1332	EA 16" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	140.43	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1333	EA 16" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	151.09	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1334	EA 16" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	161.76	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1335	EA 16" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	173.19	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1336	EA 16" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	183.85	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1337	EA 16" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	194.53	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1338	EA 16" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	205.19	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1339	EA 16" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	216.64	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1340	EA 16" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	227.30	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1341	EA 16" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	237.96	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1342	EA 16" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	249.41	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1343	EA 16" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	260.07	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1344	EA 16" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	270.73	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1345	EA 18" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	144.04	3.11
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1346	EA 18" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	156.02	3.11
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1347	EA		18" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.97 6.30 5.60 9.80	3.11
08 71 23 00-1348	EA		18" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.94 6.30 5.60 9.80	3.11
08 71 23 00-1349	EA		18" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.66 6.30 5.60 9.80	3.31
08 71 23 00-1350	EA		18" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.62 6.30 5.60 9.80	3.31
08 71 23 00-1351	EA		18" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.59 6.30 5.60 9.80	3.31
08 71 23 00-1352	EA		18" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.55 6.30 5.60 9.80	3.31
08 71 23 00-1353	EA		18" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.28 6.30 5.60 9.80	3.50
08 71 23 00-1354	EA		18" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.26 6.30 5.60 9.80	3.50
08 71 23 00-1355	EA		18" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.23 6.30 5.60 9.80	3.50
08 71 23 00-1356	EA		18" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.96 6.30 5.60 9.80	3.69
08 71 23 00-1357	EA		18" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.94 6.30 5.60 9.80	3.69
08 71 23 00-1358	EA		18" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.89 6.30 5.60 9.80	3.69
08 71 23 00-1359	EA		20" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.42 6.30 5.60 9.80	3.31
08 71 23 00-1360	EA		20" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.74 6.30 5.60 9.80	3.31
08 71 23 00-1361	EA		20" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.01 6.30 5.60 9.80	3.31
08 71 23 00-1362	EA		20" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.32 6.30 5.60 9.80	3.31
08 71 23 00-1363	EA		20" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.38 6.30 5.60 9.80	3.50
08 71 23 00-1364	EA		20" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.67 6.30 5.60 9.80	3.50
08 71 23 00-1365	EA		20" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.97 6.30 5.60 9.80	3.50
08 71 23 00-1366	EA		20" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.26 6.30 5.60 9.80	3.50
08 71 23 00-1367	EA		20" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.35 6.30 5.60 9.80	3.69
08 71 23 00-1368	EA		20" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.62 6.30 5.60 9.80	3.69

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1369	EA 20" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	293.91 6.30 5.60 9.80	3.69
08 71 23 00-1370	EA 20" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.99 6.30 5.60 9.80	3.89
08 71 23 00-1371	EA 20" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.28 6.30 5.60 9.80	3.89
08 71 23 00-1372	EA 20" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.58 6.30 5.60 9.80	3.89
08 71 23 00-1373	EA 22" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.05 6.30 5.60 9.80	3.31
08 71 23 00-1374	EA 22" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.69 6.30 5.60 9.80	3.31
08 71 23 00-1375	EA 22" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.30 6.30 5.60 9.80	3.31
08 71 23 00-1376	EA 22" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.91 6.30 5.60 9.80	3.31
08 71 23 00-1377	EA 22" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.33 6.30 5.60 9.80	3.50
08 71 23 00-1378	EA 22" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.94 6.30 5.60 9.80	3.50
08 71 23 00-1379	EA 22" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	262.57 6.30 5.60 9.80	3.50
08 71 23 00-1380	EA 22" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.18 6.30 5.60 9.80	3.50
08 71 23 00-1381	EA 22" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.60 6.30 5.60 9.80	3.69
08 71 23 00-1382	EA 22" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.21 6.30 5.60 9.80	3.69
08 71 23 00-1383	EA 22" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.84 6.30 5.60 9.80	3.69
08 71 23 00-1384	EA 22" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.23 6.30 5.60 9.80	3.89
08 71 23 00-1385	EA 22" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.84 6.30 5.60 9.80	3.89
08 71 23 00-1386	EA 22" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	366.48 6.30 5.60 9.80	3.89
08 71 23 00-1387	EA 24" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.69 6.30 5.60 9.80	3.31
08 71 23 00-1388	EA 24" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.62 6.30 5.60 9.80	3.31
08 71 23 00-1389	EA 24" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.58 6.30 5.60 9.80	3.31
08 71 23 00-1390	EA 24" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	236.53 6.30 5.60 9.80	3.31



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1391	EA		24" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.26 6.30 5.60 9.80	3.50
08 71 23 00-1392	EA		24" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	269.21 6.30 5.60 9.80	3.50
08 71 23 00-1393	EA		24" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.18 6.30 5.60 9.80	3.50
08 71 23 00-1394	EA		24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.11 6.30 5.60 9.80	3.50
08 71 23 00-1395	EA		24" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.84 6.30 5.60 9.80	3.69
08 71 23 00-1396	EA		24" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.80 6.30 5.60 9.80	3.69
08 71 23 00-1397	EA		24" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	349.75 6.30 5.60 9.80	3.69
08 71 23 00-1398	EA		24" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	366.48 6.30 5.60 9.80	3.89
08 71 23 00-1399	EA		24" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.43 6.30 5.60 9.80	3.89
08 71 23 00-1400	EA		24" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	398.38 6.30 5.60 9.80	3.89
08 71 23 00-1401			Stainless Base Material Kick Plate (08 71 23 00-0763)		
08 71 23 00-1402			Satin Stainless Finish, Stainless Kick Plate (08 71 23 00-1401)		
08 71 23 00-1403	EA		8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	25.64 1.76 5.60 9.80	2.92
08 71 23 00-1404	EA		8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	26.93 1.76 5.60 9.80	2.92
08 71 23 00-1405	EA		8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	28.18 1.76 5.60 9.80	2.92
08 71 23 00-1406	EA		8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	29.48 1.76 5.60 9.80	2.92
08 71 23 00-1407	EA		8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	31.52 1.76 5.60 9.80	3.11
08 71 23 00-1408	EA		8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.77 1.76 5.60 9.80	3.11
08 71 23 00-1409	EA		8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.07 1.76 5.60 9.80	3.11
08 71 23 00-1410	EA		8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.33 1.76 5.60 9.80	3.11
08 71 23 00-1411	EA		8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.37 1.76 5.60 9.80	3.31
08 71 23 00-1412	EA		8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.65 1.76 5.60 9.80	3.31
08 71 23 00-1413	EA		8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.91 1.76 5.60 9.80	3.31

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1414	EA 8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	41.96	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1415	EA 8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	43.24	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1416	EA 8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	44.50	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1417	EA 10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	29.13	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1418	EA 10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	30.74	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1419	EA 10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	32.33	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1420	EA 10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	33.90	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1421	EA 10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	36.29	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1422	EA 10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	37.88	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1423	EA 10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	39.45	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1424	EA 10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	41.03	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1425	EA 10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	43.42	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1426	EA 10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	44.99	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1427	EA 10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	46.57	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1428	EA 10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	48.95	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1429	EA 10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	50.54	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1430	EA 10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	52.12	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1431	EA 12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	32.64	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1432	EA 12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	34.55	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1433	EA 12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	36.45	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1434	EA 12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	38.36	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1435	EA 12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	41.03	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1436	EA		12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.95 1.76 5.60 9.80	3.11
08 71 23 00-1437	EA		12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.84 1.76 5.60 9.80	3.11
08 71 23 00-1438	EA		12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.76 1.76 5.60 9.80	3.11
08 71 23 00-1439	EA		12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.42 1.76 5.60 9.80	3.31
08 71 23 00-1440	EA		12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.34 1.76 5.60 9.80	3.31
08 71 23 00-1441	EA		12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.26 1.76 5.60 9.80	3.31
08 71 23 00-1442	EA		12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.93 1.76 5.60 9.80	3.50
08 71 23 00-1443	EA		12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.85 1.76 5.60 9.80	3.50
08 71 23 00-1444	EA		12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.74 1.76 5.60 9.80	3.50
08 71 23 00-1445	EA		14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.92 1.76 5.60 9.80	3.11
08 71 23 00-1446	EA		14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.14 1.76 5.60 9.80	3.11
08 71 23 00-1447	EA		14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.37 1.76 5.60 9.80	3.11
08 71 23 00-1448	EA		14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.59 1.76 5.60 9.80	3.11
08 71 23 00-1449	EA		14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.57 1.76 5.60 9.80	3.31
08 71 23 00-1450	EA		14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.81 1.76 5.60 9.80	3.31
08 71 23 00-1451	EA		14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.03 1.76 5.60 9.80	3.31
08 71 23 00-1452	EA		14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.26 1.76 5.60 9.80	3.31
08 71 23 00-1453	EA		14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.27 1.76 5.60 9.80	3.50
08 71 23 00-1454	EA		14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.47 1.76 5.60 9.80	3.50
08 71 23 00-1455	EA		14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.70 1.76 5.60 9.80	3.50
08 71 23 00-1456	EA		14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.72 1.76 5.60 9.80	3.69
08 71 23 00-1457	EA		14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.94 1.76 5.60 9.80	3.69

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1458	EA 14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.17	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1459	EA 16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	42.24	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1460	EA 16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	45.08	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1461	EA 16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	47.81	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1462	EA 16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	50.52	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1463	EA 16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	54.00	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1464	EA 16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.73	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1465	EA 16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.46	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1466	EA 16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.17	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1467	EA 16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.66	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1468	EA 16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.40	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1469	EA 16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	71.13	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1470	EA 16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	74.85	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1471	EA 16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.33	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1472	EA 16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.06	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1473	EA 18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	45.35	3.11
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1474	EA 18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	48.35	3.11
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1475	EA 18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	51.33	3.11
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1476	EA 18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	54.32	3.11
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1477	EA 18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	58.09	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1478	EA 18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	61.07	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1479	EA 18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	64.06	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1480	EA		18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.04 6.30 5.60 9.80	3.31
08 71 23 00-1481	EA		18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.82 6.30 5.60 9.80	3.50
08 71 23 00-1482	EA		18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.81 6.30 5.60 9.80	3.50
08 71 23 00-1483	EA		18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.79 6.30 5.60 9.80	3.50
08 71 23 00-1484	EA		18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.58 6.30 5.60 9.80	3.69
08 71 23 00-1485	EA		18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.58 6.30 5.60 9.80	3.69
08 71 23 00-1486	EA		18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.56 6.30 5.60 9.80	3.69
08 71 23 00-1487	EA		20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.78 6.30 5.60 9.80	3.31
08 71 23 00-1488	EA		20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.10 6.30 5.60 9.80	3.31
08 71 23 00-1489	EA		20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.43 6.30 5.60 9.80	3.31
08 71 23 00-1490	EA		20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.73 6.30 5.60 9.80	3.31
08 71 23 00-1491	EA		20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.85 6.30 5.60 9.80	3.50
08 71 23 00-1492	EA		20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.18 6.30 5.60 9.80	3.50
08 71 23 00-1493	EA		20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.48 6.30 5.60 9.80	3.50
08 71 23 00-1494	EA		20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.81 6.30 5.60 9.80	3.50
08 71 23 00-1495	EA		20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.91 6.30 5.60 9.80	3.69
08 71 23 00-1496	EA		20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.24 6.30 5.60 9.80	3.69
08 71 23 00-1497	EA		20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.58 6.30 5.60 9.80	3.69
08 71 23 00-1498	EA		20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.66 6.30 5.60 9.80	3.89
08 71 23 00-1499	EA		20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.99 6.30 5.60 9.80	3.89
08 71 23 00-1500	EA		20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.31 6.30 5.60 9.80	3.89
08 71 23 00-1501	EA		22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.42 6.30 5.60 9.80	3.31

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1502	EA 22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.10 6.30 5.60 9.80	3.31
08 71 23 00-1503	EA 22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.73 6.30 5.60 9.80	3.31
08 71 23 00-1504	EA 22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.40 6.30 5.60 9.80	3.31
08 71 23 00-1505	EA 22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.82 6.30 5.60 9.80	3.50
08 71 23 00-1506	EA 22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.49 6.30 5.60 9.80	3.50
08 71 23 00-1507	EA 22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.14 6.30 5.60 9.80	3.50
08 71 23 00-1508	EA 22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.80 6.30 5.60 9.80	3.50
08 71 23 00-1509	EA 22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.22 6.30 5.60 9.80	3.69
08 71 23 00-1510	EA 22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.88 6.30 5.60 9.80	3.69
08 71 23 00-1511	EA 22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.55 6.30 5.60 9.80	3.69
08 71 23 00-1512	EA 22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.97 6.30 5.60 9.80	3.89
08 71 23 00-1513	EA 22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.64 6.30 5.60 9.80	3.89
08 71 23 00-1514	EA 22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.27 6.30 5.60 9.80	3.89
08 71 23 00-1515	EA 24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.10 6.30 5.60 9.80	3.31
08 71 23 00-1516	EA 24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.07 6.30 5.60 9.80	3.31
08 71 23 00-1517	EA 24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.07 6.30 5.60 9.80	3.31
08 71 23 00-1518	EA 24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.05 6.30 5.60 9.80	3.31
08 71 23 00-1519	EA 24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.81 6.30 5.60 9.80	3.50
08 71 23 00-1520	EA 24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.80 6.30 5.60 9.80	3.50
08 71 23 00-1521	EA 24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.79 6.30 5.60 9.80	3.50
08 71 23 00-1522	EA 24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.78 6.30 5.60 9.80	3.50
08 71 23 00-1523	EA 24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.54 6.30 5.60 9.80	3.69



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1524	EA		24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.53 6.30 5.60 9.80	3.69
08 71 23 00-1525	EA		24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.52 6.30 5.60 9.80	3.69
08 71 23 00-1526	EA		24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.27 6.30 5.60 9.80	3.89
08 71 23 00-1527	EA		24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.27 6.30 5.60 9.80	3.89
08 71 23 00-1528	EA		24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.28 6.30 5.60 9.80	3.89
08 71 23 00-1529 Bright Stainless Finish, Stainless Kick Plate (08 71 23 00-1401)					
08 71 23 00-1530	EA		8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.86 1.76 5.60 9.80	2.92
08 71 23 00-1531	EA		8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.80 1.76 5.60 9.80	2.92
08 71 23 00-1532	EA		8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.72 1.76 5.60 9.80	2.92
08 71 23 00-1533	EA		8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.64 1.76 5.60 9.80	2.92
08 71 23 00-1534	EA		8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.34 1.76 5.60 9.80	3.11
08 71 23 00-1535	EA		8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.28 1.76 5.60 9.80	3.11
08 71 23 00-1536	EA		8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.19 1.76 5.60 9.80	3.11
08 71 23 00-1537	EA		8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.13 1.76 5.60 9.80	3.11
08 71 23 00-1538	EA		8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.81 1.76 5.60 9.80	3.31
08 71 23 00-1539	EA		8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.75 1.76 5.60 9.80	3.31
08 71 23 00-1540	EA		8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.69 1.76 5.60 9.80	3.31
08 71 23 00-1541	EA		8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.38 1.76 5.60 9.80	3.50
08 71 23 00-1542	EA		8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.31 1.76 5.60 9.80	3.50
08 71 23 00-1543	EA		8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.22 1.76 5.60 9.80	3.50
08 71 23 00-1544	EA		10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.91 1.76 5.60 9.80	2.92
08 71 23 00-1545	EA		10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.56 1.76 5.60 9.80	2.92

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1546	EA 10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	59.23	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1547	EA 10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	62.89	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1548	EA 10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	67.32	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1549	EA 10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	70.98	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1550	EA 10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	74.65	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1551	EA 10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	78.31	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1552	EA 10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	82.73	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1553	EA 10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	86.38	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1554	EA 10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	90.06	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1555	EA 10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	94.47	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1556	EA 10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	98.14	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1557	EA 10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	101.80	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1558	EA 12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	59.95	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1559	EA 12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	64.35	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1560	EA 12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	68.75	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1561	EA 12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	73.14	2.92
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1562	EA 12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	78.31	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1563	EA 12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	82.67	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1564	EA 12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	87.08	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1565	EA 12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	91.47	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1566	EA 12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	96.63	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1567	EA 12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	101.02	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1568	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	105.40 1.76 5.60 9.80	3.31
08 71	23 00-1569	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	110.59 1.76 5.60 9.80	3.50
08 71	23 00-1570	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	114.96 1.76 5.60 9.80	3.50
08 71	23 00-1571	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	119.36 1.76 5.60 9.80	3.50
08 71	23 00-1572	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	68.79 1.76 5.60 9.80	3.11
08 71	23 00-1573	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	73.92 1.76 5.60 9.80	3.11
08 71	23 00-1574	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	79.04 1.76 5.60 9.80	3.11
08 71	23 00-1575	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	84.16 1.76 5.60 9.80	3.11
08 71	23 00-1576	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	90.06 1.76 5.60 9.80	3.31
08 71	23 00-1577	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	95.17 1.76 5.60 9.80	3.31
08 71	23 00-1578	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	100.29 1.76 5.60 9.80	3.31
08 71	23 00-1579	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	105.40 1.76 5.60 9.80	3.31
08 71	23 00-1580	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	111.32 1.76 5.60 9.80	3.50
08 71	23 00-1581	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	116.44 1.76 5.60 9.80	3.50
08 71	23 00-1582	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	121.56 1.76 5.60 9.80	3.50
08 71	23 00-1583	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	127.47 1.76 5.60 9.80	3.69
08 71	23 00-1584	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	132.57 1.76 5.60 9.80	3.69
08 71	23 00-1585	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	137.69 1.76 5.60 9.80	3.69
08 71	23 00-1586	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	76.83 1.76 5.60 9.80	3.11
08 71	23 00-1587	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	82.67 1.76 5.60 9.80	3.11
08 71	23 00-1588	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	88.56 1.76 5.60 9.80	3.11
08 71	23 00-1589	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	94.40 1.76 5.60 9.80	3.11

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1590	EA 16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	101.02	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1591	EA 16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	106.88	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1592	EA 16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	112.72	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1593	EA 16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	118.58	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1594	EA 16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	125.21	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1595	EA 16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	131.05	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1596	EA 16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	136.91	3.50
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1597	EA 16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	143.54	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1598	EA 16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	149.41	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1599	EA 16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	155.27	3.69
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1600	EA 18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	85.74	3.11
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1601	EA 18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	92.43	3.11
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1602	EA 18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	99.07	3.11
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1603	EA 18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	105.75	3.11
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1604	EA 18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	113.19	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1605	EA 18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	119.83	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1606	EA 18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	126.51	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1607	EA 18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	136.96	3.31
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1608	EA 18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	140.62	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1609	EA 18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	147.28	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1610	EA 18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	153.94	3.50
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1611	EA 18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	161.39	3.69
	For Four Beveled Edges, Add	6.30	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1612	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	168.05 6.30 5.60 9.80	3.69
08 71	23 00-1613	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	174.71 6.30 5.60 9.80	3.69
08 71	23 00-1614	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	94.68 6.30 5.60 9.80	3.31
08 71	23 00-1615	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	102.07 6.30 5.60 9.80	3.31
08 71	23 00-1616	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	109.48 6.30 5.60 9.80	3.31
08 71	23 00-1617	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	116.87 6.30 5.60 9.80	3.31
08 71	23 00-1618	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	125.06 6.30 5.60 9.80	3.50
08 71	23 00-1619	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	132.48 6.30 5.60 9.80	3.50
08 71	23 00-1620	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	139.86 6.30 5.60 9.80	3.50
08 71	23 00-1621	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	147.28 6.30 5.60 9.80	3.50
08 71	23 00-1622	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	155.44 6.30 5.60 9.80	3.69
08 71	23 00-1623	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	162.86 6.30 5.60 9.80	3.69
08 71	23 00-1624	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	170.27 6.30 5.60 9.80	3.69
08 71	23 00-1625	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	178.45 6.30 5.60 9.80	3.89
08 71	23 00-1626	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	185.85 6.30 5.60 9.80	3.89
08 71	23 00-1627	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	193.25 6.30 5.60 9.80	3.89
08 71	23 00-1628	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	102.81 6.30 5.60 9.80	3.31
08 71	23 00-1629	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	110.95 6.30 5.60 9.80	3.31
08 71	23 00-1630	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	119.09 6.30 5.60 9.80	3.31
08 71	23 00-1631	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	127.23 6.30 5.60 9.80	3.31
08 71	23 00-1632	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	136.16 6.30 5.60 9.80	3.50
08 71	23 00-1633	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add For Counter Sink Holes, Add For UL Label (Fire Rated), Add</i>	144.32 6.30 5.60 9.80	3.50

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1634	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.47	3.50
08 71	23 00-1635	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.61	3.50
08 71	23 00-1636	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.53	3.69
08 71	23 00-1637	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.67	3.69
08 71	23 00-1638	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.81	3.69
08 71	23 00-1639	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.72	3.89
08 71	23 00-1640	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.89	3.89
08 71	23 00-1641	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.03	3.89
08 71	23 00-1642	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.95	3.31
08 71	23 00-1643	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.83	3.31
08 71	23 00-1644	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.72	3.31
08 71	23 00-1645	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.61	3.31
08 71	23 00-1646	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.28	3.50
08 71	23 00-1647	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.15	3.50
08 71	23 00-1648	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.04	3.50
08 71	23 00-1649	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.93	3.50
08 71	23 00-1650	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.60	3.69
08 71	23 00-1651	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.47	3.69
08 71	23 00-1652	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.36	3.69
08 71	23 00-1653	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.03	3.89
08 71	23 00-1654	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.92	3.89
08 71	23 00-1655	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.80	3.89



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1656
08 71 23 00-1657

Plastic Kick Plate (08 71 23 00-0763)
Clear Or Black Finish, Plastic Kick Plate (08 71 23 00-1656)
Note: With four beveled edges.

Table with 3 columns: Item ID, Description, and Cost. Contains a list of 100 items for plastic kick plates with various dimensions and finishes, including their unit and total costs.

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1739	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	67.42	3.69
08 71 23 00-1740	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	69.80	3.69
08 71 23 00-1741	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.21	3.69
08 71 23 00-1742	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	42.46	3.31
08 71 23 00-1743	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	45.12	3.31
08 71 23 00-1744	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	47.78	3.31
08 71 23 00-1745	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	50.44	3.31
08 71 23 00-1746	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	53.88	3.50
08 71 23 00-1747	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	56.53	3.50
08 71 23 00-1748	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	59.19	3.50
08 71 23 00-1749	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	61.86	3.50
08 71 23 00-1750	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.29	3.69
08 71 23 00-1751	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	67.95	3.69
08 71 23 00-1752	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.60	3.69
08 71 23 00-1753	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	74.04	3.89
08 71 23 00-1754	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.71	3.89
08 71 23 00-1755	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	79.36	3.89
08 71 23 00-1756	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	45.39	3.31
08 71 23 00-1757	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	48.30	3.31
08 71 23 00-1758	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	51.24	3.31
08 71 23 00-1759	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	54.15	3.31
08 71 23 00-1760	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	57.87	3.50
08 71 23 00-1761	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.80	3.50
08 71 23 00-1762	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.71	3.50
08 71 23 00-1763	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.64	3.50
08 71 23 00-1764	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.33	3.69
08 71 23 00-1765	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.26	3.69
08 71 23 00-1766	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.20	3.69
08 71 23 00-1767	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	79.89	3.89
08 71 23 00-1768	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.82	3.89
08 71 23 00-1769	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	85.73	3.89
08 71 23 00-1770	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	48.30	3.31
08 71 23 00-1771	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	51.49	3.31
08 71 23 00-1772	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	54.70	3.31
08 71 23 00-1773	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	57.89	3.31
08 71 23 00-1774	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	61.86	3.50
08 71 23 00-1775	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.04	3.50
08 71 23 00-1776	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	68.23	3.50
08 71 23 00-1777	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	71.43	3.50
08 71 23 00-1778	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	75.40	3.69
08 71 23 00-1779	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.58	3.69
08 71 23 00-1780	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	81.77	3.69
08 71 23 00-1781	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	85.73	3.89
08 71 23 00-1782	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	88.94	3.89
08 71 23 00-1783	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	92.13	3.89

08 71 23 00-1784 Mop Plate (08 71 23 00-0762)
Note: lves 8400.

08 71 23 00-1785 Aluminum Base Material Mop Plate (08 71 23 00-1784)

08 71 23 00-1786 Satin Aluminum Finish, Aluminum Mop Plate (08 71 23 00-1785)

08 71 23 00-1787	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	18.55	2.84
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1788	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	19.22	2.84
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1789	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	19.87	2.84
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1790	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	20.53	2.84
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1791	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	21.67	2.96
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1792	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	22.32	2.96
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1793	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	22.99	2.96
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1794	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	23.63	2.96
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1795	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	24.97 1.76 5.60 9.80	3.11
08 71	23 00-1796	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	25.62 1.76 5.60 9.80	3.11
08 71	23 00-1797	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	26.28 1.76 5.60 9.80	3.11
08 71	23 00-1798	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	27.71 1.76 5.60 9.80	3.31
08 71	23 00-1799	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	28.38 1.76 5.60 9.80	3.31
08 71	23 00-1800	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	29.02 1.76 5.60 9.80	3.31
08 71	23 00-1801	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	22.17 1.76 5.60 9.80	2.84
08 71	23 00-1802	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	23.16 1.76 5.60 9.80	2.84
08 71	23 00-1803	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	24.16 1.76 5.60 9.80	2.84
08 71	23 00-1804	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	25.14 1.76 5.60 9.80	2.84
08 71	23 00-1805	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	26.61 1.76 5.60 9.80	2.96
08 71	23 00-1806	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	27.58 1.76 5.60 9.80	2.96
08 71	23 00-1807	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	28.59 1.76 5.60 9.80	2.96
08 71	23 00-1808	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	29.56 1.76 5.60 9.80	2.96
08 71	23 00-1809	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	31.23 1.76 5.60 9.80	3.11
08 71	23 00-1810	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.21 1.76 5.60 9.80	3.11
08 71	23 00-1811	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	33.21 1.76 5.60 9.80	3.11
08 71	23 00-1812	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.96 1.76 5.60 9.80	3.31
08 71	23 00-1813	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.96 1.76 5.60 9.80	3.31
08 71	23 00-1814	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.93 1.76 5.60 9.80	3.31
08 71	23 00-1815		Brass Base Material Mop Plate (08 71 23 00-1784)		
08 71	23 00-1816		Bright/Satin Brass Finish, Brass Mop Plate (08 71 23 00-1815)		
08 71	23 00-1817	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.46 1.76 5.60 9.80	2.84

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1818	EA 4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	34.40	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1819	EA 4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	36.32	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1820	EA 4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	38.25	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1821	EA 4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	40.64	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1822	EA 4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	42.56	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1823	EA 4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	44.49	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1824	EA 4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	46.41	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1825	EA 4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	49.01	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1826	EA 4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	50.93	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1827	EA 4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	52.84	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1828	EA 4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	55.54	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1829	EA 4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	57.46	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1830	EA 4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	59.41	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1831	EA 6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	43.06	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1832	EA 6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	45.94	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1833	EA 6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	48.83	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1834	EA 6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	51.70	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1835	EA 6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	55.06	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1836	EA 6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	57.97	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1837	EA 6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	60.83	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1838	EA 6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	63.73	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1839	EA 6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	67.27	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1840	EA		6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.17 1.76 5.60 9.80	3.11
08 71 23 00-1841	EA		6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.06 1.76 5.60 9.80	3.11
08 71 23 00-1842	EA		6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.71 1.76 5.60 9.80	3.31
08 71 23 00-1843	EA		6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.60 1.76 5.60 9.80	3.31
08 71 23 00-1844	EA		6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.47 1.76 5.60 9.80	3.31
08 71 23 00-1845			Bright/Satin Chrome Finish, Brass Mop Plate <small>(08 71 23 00-1815)</small>		
08 71 23 00-1846	EA		4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.47 1.76 5.60 9.80	2.84
08 71 23 00-1847	EA		4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.56 1.76 5.60 9.80	2.84
08 71 23 00-1848	EA		4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.67 1.76 5.60 9.80	2.84
08 71 23 00-1849	EA		4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.78 1.76 5.60 9.80	2.84
08 71 23 00-1850	EA		4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.34 1.76 5.60 9.80	2.96
08 71 23 00-1851	EA		4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.45 1.76 5.60 9.80	2.96
08 71 23 00-1852	EA		4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.55 1.76 5.60 9.80	2.96
08 71 23 00-1853	EA		4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.65 1.76 5.60 9.80	2.96
08 71 23 00-1854	EA		4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.43 1.76 5.60 9.80	3.11
08 71 23 00-1855	EA		4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.55 1.76 5.60 9.80	3.11
08 71 23 00-1856	EA		4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.65 1.76 5.60 9.80	3.11
08 71 23 00-1857	EA		4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.53 1.76 5.60 9.80	3.31
08 71 23 00-1858	EA		4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.63 1.76 5.60 9.80	3.31
08 71 23 00-1859	EA		4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.73 1.76 5.60 9.80	3.31
08 71 23 00-1860	EA		6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.04 1.76 5.60 9.80	2.84
08 71 23 00-1861	EA		6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.18 1.76 5.60 9.80	2.84

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1862	EA 6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	52.35	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1863	EA 6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	55.51	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1864	EA 6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	59.13	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1865	EA 6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	62.29	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1866	EA 6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	65.44	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1867	EA 6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	68.60	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1868	EA 6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	72.44	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1869	EA 6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	75.58	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1870	EA 6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	78.75	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1871	EA 6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	82.66	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1872	EA 6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	85.83	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1873	EA 6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	88.98	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1874	Satin/Dark Bronze Finish, Brass Mop Plate (08 71 23 00-1815)		
08 71 23 00-1875	EA 4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	34.84	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1876	EA 4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	36.98	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1877	EA 4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	39.12	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1878	EA 4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	41.25	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1879	EA 4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	43.87	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1880	EA 4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	46.02	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1881	EA 4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	48.16	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1882	EA 4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	50.31	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1883	EA 4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	53.10	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1884	EA		4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.24 1.76 5.60 9.80	3.11
08 71 23 00-1885	EA		4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.39 1.76 5.60 9.80	3.11
08 71 23 00-1886	EA		4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.30 1.76 5.60 9.80	3.31
08 71 23 00-1887	EA		4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.45 1.76 5.60 9.80	3.31
08 71 23 00-1888	EA		4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.57 1.76 5.60 9.80	3.31
08 71 23 00-1889	EA		6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.61 1.76 5.60 9.80	2.84
08 71 23 00-1890	EA		6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.84 1.76 5.60 9.80	2.84
08 71 23 00-1891	EA		6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.04 1.76 5.60 9.80	2.84
08 71 23 00-1892	EA		6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.49 1.76 5.60 9.80	2.84
08 71 23 00-1893	EA		6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.92 1.76 5.60 9.80	2.96
08 71 23 00-1894	EA		6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.13 1.76 5.60 9.80	2.96
08 71 23 00-1895	EA		6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.33 1.76 5.60 9.80	2.96
08 71 23 00-1896	EA		6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.54 1.76 5.60 9.80	2.96
08 71 23 00-1897	EA		6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.44 1.76 5.60 9.80	3.11
08 71 23 00-1898	EA		6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.64 1.76 5.60 9.80	3.11
08 71 23 00-1899	EA		6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.85 1.76 5.60 9.80	3.11
08 71 23 00-1900	EA		6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.82 1.76 5.60 9.80	3.31
08 71 23 00-1901	EA		6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.03 1.76 5.60 9.80	3.31
08 71 23 00-1902	EA		6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.23 1.76 5.60 9.80	3.31
08 71 23 00-1903			Satin Nickel Finish, Brass Mop Plate <small>(08 71 23 00-1815)</small>		
08 71 23 00-1904	EA		4" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.30 1.76 5.60 9.80	2.84
08 71 23 00-1905	EA		4" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.46 1.76 5.60 9.80	2.84

08 Openings

08 70 Hardware

08 71 Door Hardware



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1906	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.65 1.76 5.60 9.80	2.84
08 71	23 00-1907	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.84 1.76 5.60 9.80	2.84
08 71	23 00-1908	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.49 1.76 5.60 9.80	2.96
08 71	23 00-1909	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.66 1.76 5.60 9.80	2.96
08 71	23 00-1910	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.84 1.76 5.60 9.80	2.96
08 71	23 00-1911	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.03 1.76 5.60 9.80	2.96
08 71	23 00-1912	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.89 1.76 5.60 9.80	3.11
08 71	23 00-1913	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.06 1.76 5.60 9.80	3.11
08 71	23 00-1914	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.23 1.76 5.60 9.80	3.11
08 71	23 00-1915	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.20 1.76 5.60 9.80	3.31
08 71	23 00-1916	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.38 1.76 5.60 9.80	3.31
08 71	23 00-1917	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.54 1.76 5.60 9.80	3.31
08 71	23 00-1918	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.29 1.76 5.60 9.80	2.84
08 71	23 00-1919	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.56 1.76 5.60 9.80	2.84
08 71	23 00-1920	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.82 1.76 5.60 9.80	2.84
08 71	23 00-1921	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.09 1.76 5.60 9.80	2.84
08 71	23 00-1922	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.83 1.76 5.60 9.80	2.96
08 71	23 00-1923	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.10 1.76 5.60 9.80	2.96
08 71	23 00-1924	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.37 1.76 5.60 9.80	2.96
08 71	23 00-1925	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.65 1.76 5.60 9.80	2.96
08 71	23 00-1926	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.59 1.76 5.60 9.80	3.11
08 71	23 00-1927	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.87 1.76 5.60 9.80	3.11



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1928	EA		6" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.14 1.76 5.60 9.80	3.11
08 71 23 00-1929	EA		6" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.17 1.76 5.60 9.80	3.31
08 71 23 00-1930	EA		6" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.44 1.76 5.60 9.80	3.31
08 71 23 00-1931	EA		6" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.72 1.76 5.60 9.80	3.31
08 71 23 00-1932			Stainless Base Material Mop Plate (08 71 23 00-1784)		
08 71 23 00-1933			Satin Stainless Finish, Stainless Mop Plate (08 71 23 00-1932)		
08 71 23 00-1934	EA		4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	19.02 1.76 5.60 9.80	2.84
08 71 23 00-1935	EA		4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	19.70 1.76 5.60 9.80	2.84
08 71 23 00-1936	EA		4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	20.41 1.76 5.60 9.80	2.84
08 71 23 00-1937	EA		4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	21.10 1.76 5.60 9.80	2.84
08 71 23 00-1938	EA		4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	22.28 1.76 5.60 9.80	2.96
08 71 23 00-1939	EA		4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	22.99 1.76 5.60 9.80	2.96
08 71 23 00-1940	EA		4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	23.67 1.76 5.60 9.80	2.96
08 71 23 00-1941	EA		4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	24.37 1.76 5.60 9.80	2.96
08 71 23 00-1942	EA		4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	25.74 1.76 5.60 9.80	3.11
08 71 23 00-1943	EA		4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	26.44 1.76 5.60 9.80	3.11
08 71 23 00-1944	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	27.15 1.76 5.60 9.80	3.11
08 71 23 00-1945	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	28.60 1.76 5.60 9.80	3.31
08 71 23 00-1946	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	29.31 1.76 5.60 9.80	3.31
08 71 23 00-1947	EA		4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	30.00 1.76 5.60 9.80	3.31
08 71 23 00-1948	EA		6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	22.84 1.76 5.60 9.80	2.84
08 71 23 00-1949	EA		6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	23.90 1.76 5.60 9.80	2.84
08 71 23 00-1950	EA		6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	24.95 1.76 5.60 9.80	2.84

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1951	EA 6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	26.01	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1952	EA 6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	27.52	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1953	EA 6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	28.56	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1954	EA 6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	29.62	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1955	EA 6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	30.67	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1956	EA 6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	32.40	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1957	EA 6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	33.44	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1958	EA 6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	34.48	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1959	EA 6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	36.31	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1960	EA 6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	37.35	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1961	EA 6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	38.41	3.31
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	

08 71 23 00-1962 Bright Stainless Finish, Stainless Mop Plate (08 71 23 00-1932)

08 71 23 00-1963	EA 4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	28.42	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1964	EA 4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	29.99	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1965	EA 4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	31.55	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1966	EA 4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	33.09	2.84
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1967	EA 4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	35.13	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1968	EA 4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	36.68	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1969	EA 4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	38.24	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1970	EA 4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	39.81	2.96
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1971	EA 4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	42.02	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1972	EA 4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	43.58	3.11
	For Four Beveled Edges, Add	1.76	
	For Counter Sink Holes, Add	5.60	
	For UL Label (Fire Rated), Add	9.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1973	EA		4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.15 1.76 5.60 9.80	3.11
08 71 23 00-1974	EA		4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.47 1.76 5.60 9.80	3.31
08 71 23 00-1975	EA		4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.03 1.76 5.60 9.80	3.31
08 71 23 00-1976	EA		4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.57 1.76 5.60 9.80	3.31
08 71 23 00-1977	EA		6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.98 1.76 5.60 9.80	2.84
08 71 23 00-1978	EA		6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.34 1.76 5.60 9.80	2.84
08 71 23 00-1979	EA		6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.67 1.76 5.60 9.80	2.84
08 71 23 00-1980	EA		6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.01 1.76 5.60 9.80	2.84
08 71 23 00-1981	EA		6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.80 1.76 5.60 9.80	2.96
08 71 23 00-1982	EA		6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.13 1.76 5.60 9.80	2.96
08 71 23 00-1983	EA		6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.47 1.76 5.60 9.80	2.96
08 71 23 00-1984	EA		6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.80 1.76 5.60 9.80	2.96
08 71 23 00-1985	EA		6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.82 1.76 5.60 9.80	3.11
08 71 23 00-1986	EA		6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.15 1.76 5.60 9.80	3.11
08 71 23 00-1987	EA		6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.49 1.76 5.60 9.80	3.11
08 71 23 00-1988	EA		6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.59 1.76 5.60 9.80	3.31
08 71 23 00-1989	EA		6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.91 1.76 5.60 9.80	3.31
08 71 23 00-1990	EA		6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.25 1.76 5.60 9.80	3.31
08 71 23 00-1991			Plastic Mop Plate <small>(08 71 23 00-1794)</small>		
08 71 23 00-1992			Clear Or Black Finish, Plastic Mop Plate <small>(08 71 23 00-1991)</small> Note: With four beveled edges.		
08 71 23 00-1993	EA		4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	17.72	2.84
08 71 23 00-1994	EA		4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	18.30	2.84
08 71 23 00-1995	EA		4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	18.89	2.84
08 71 23 00-1996	EA		4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	19.47	2.84
08 71 23 00-1997	EA		4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	20.52	2.96
08 71 23 00-1998	EA		4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	21.11	2.96

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 23 00-1999	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	21.69	2.96
		Note: 4 sides beveled.		
08 71 23 00-2000	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	22.28	2.96
		Note: 4 sides beveled.		
08 71 23 00-2001	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	23.53	3.11
		Note: 4 sides beveled.		
08 71 23 00-2002	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	24.11	3.11
		Note: 4 sides beveled.		
08 71 23 00-2003	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	24.69	3.11
		Note: 4 sides beveled.		
08 71 23 00-2004	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	26.04	3.31
		Note: 4 sides beveled.		
08 71 23 00-2005	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	26.63	3.31
		Note: 4 sides beveled.		
08 71 23 00-2006	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	27.21	3.31
		Note: 4 sides beveled.		
08 71 23 00-2007	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	20.93	2.84
		Note: 4 sides beveled.		
08 71 23 00-2008	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	21.81	2.84
		Note: 4 sides beveled.		
08 71 23 00-2009	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	22.68	2.84
		Note: 4 sides beveled.		
08 71 23 00-2010	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	23.55	2.84
		Note: 4 sides beveled.		
08 71 23 00-2011	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	24.90	2.96
		Note: 4 sides beveled.		
08 71 23 00-2012	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	25.77	2.96
		Note: 4 sides beveled.		
08 71 23 00-2013	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	26.65	2.96
		Note: 4 sides beveled.		
08 71 23 00-2014	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	27.52	2.96
		Note: 4 sides beveled.		
08 71 23 00-2015	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	29.07	3.11
		Note: 4 sides beveled.		
08 71 23 00-2016	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	29.94	3.11
		Note: 4 sides beveled.		
08 71 23 00-2017	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	30.81	3.11
		Note: 4 sides beveled.		
08 71 23 00-2018	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	32.46	3.31
		Note: 4 sides beveled.		
08 71 23 00-2019	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	33.33	3.31
		Note: 4 sides beveled.		
08 71 23 00-2020	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	34.21	3.31
		Note: 4 sides beveled.		
08 71 23 00-2021		Armor Door Plate <small>(08 71 23 00-0762)</small>		
		Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 23 00-2022	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	12.44	0.49
08 71 23 00-2023	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	12.01	0.38
08 71 23 00-2024	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	13.91	0.49
08 71 23 00-2025	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	13.48	0.38
08 71 23 00-2026	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	28.60	0.49
08 71 23 00-2027	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	28.17	0.38
08 71 23 00-2028		Pull Handle And Plates <small>(08 71 23 00-0762)</small>		
08 71 23 00-2029		Pull Handle <small>(08 71 23 00-2028)</small>		
08 71 23 00-2030	EA	3/4" Diameter Aluminum Door Pulls, 6" Long	38.67	3.21
		For Stainless Steel, Add	10.85	
		For Brass, Add	14.72	
08 71 23 00-2031	EA	3/4" Diameter Aluminum Door Pulls, 8" Long	38.67	3.21
		For Stainless Steel, Add	10.85	
		For Brass, Add	14.72	
08 71 23 00-2032	EA	3/4" Diameter Aluminum Door Pulls, 10" Long	41.22	3.21
		For Stainless Steel, Add	11.92	
		For Brass, Add	16.18	
08 71 23 00-2033	EA	1" Diameter Aluminum Door Pulls, 8" Long	47.25	3.21
		For Stainless Steel, Add	14.45	
		For Brass, Add	19.61	
08 71 23 00-2034	EA	1" Diameter Aluminum Door Pulls, 10" Long	50.70	3.21
		For Stainless Steel, Add	15.90	
		For Brass, Add	21.58	
08 71 23 00-2035	EA	1" Diameter Aluminum Door Pulls, 12" Long	55.26	3.21
		For Stainless Steel, Add	17.82	
		For Brass, Add	24.18	
08 71 23 00-2036	EA	1" Flattened x 1/2" Round Aluminum Door Pulls, 6" Long	41.82	3.21
		For Stainless Steel, Add	12.17	
		For Brass, Add	16.52	
08 71 23 00-2037	EA	1" Flattened x 1/2" Round Aluminum Door Pulls, 8" Long	41.82	3.21
		For Stainless Steel, Add	12.17	
		For Brass, Add	16.52	
08 71 23 00-2038	EA	1" Flattened x 1/2" Round Aluminum Door Pulls, 10" Long	44.70	3.21
		For Stainless Steel, Add	13.38	
		For Brass, Add	18.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2039	EA		1" Diameter Stainless Steel Offset Door Pulls, 8" Long..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	84.19 13.49 12.41	3.21
08 71 23 00-2040	EA		1" Diameter Stainless Steel Offset Door Pulls, 10" Long..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	88.85 14.37 13.23	3.21
08 71 23 00-2041	EA		1" Diameter Stainless Steel Offset Door Pulls, 12" Long..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	93.50 15.24 14.03	3.21
08 71 23 00-2042	EA		1" Diameter Stainless Steel Offset Door Pulls, 18" Long..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	115.21 19.35 17.81	3.21
08 71 23 00-2043			Pull Plate (08 71 23 00-2028)		
08 71 23 00-2044	EA		3-1/2" x 15" Aluminum Pull Plate Door Hardware..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	39.90 17.81 22.64	2.43
08 71 23 00-2045	EA		4" x 16" Aluminum Pull Plate Door Hardware..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	40.95 18.43 23.42	2.43
08 71 23 00-2046	EA		6" x 16" Aluminum Pull Plate Door Hardware..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	43.35 19.84 25.22	2.43
08 71 23 00-2047			Push Bars And Plates (08 71 23 00-0762)		
08 71 23 00-2048			Push Bars (08 71 23 00-2047)		
08 71 23 00-2049	EA		3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate..... Note: Up to 34" wide. All finishes.	165.94	2.43
08 71 23 00-2050	EA		3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	111.93 17.78	2.43
08 71 23 00-2051	EA		1" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	116.22 18.53	2.43
08 71 23 00-2052	EA		1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	222.73 37.06	2.43
08 71 23 00-2053			Push Plates (08 71 23 00-2047)		
08 71 23 00-2054			Aluminum Push Plates (08 71 23 00-2053)		
08 71 23 00-2055			Clear Anodized Finish, Aluminum Push Plates (08 71 23 00-2054) Note: Ives 8200 Series.		
08 71 23 00-2056	EA		3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	17.30	2.43
08 71 23 00-2057	EA		4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	17.30	2.43
08 71 23 00-2058	EA		6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	17.30	2.43
08 71 23 00-2059	EA		8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware.....	19.22	2.43
08 71 23 00-2060			Stainless Steel Push Plates (08 71 23 00-2053)		
08 71 23 00-2061			Satin Finish, Stainless Steel Push Plates (08 71 23 00-2060) Note: Ives 8200 Series.		
08 71 23 00-2062	EA		3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware.....	17.30	2.43
08 71 23 00-2063	EA		4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	18.78	2.43
08 71 23 00-2064	EA		6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	22.15	2.43
08 71 23 00-2065	EA		8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	27.13	2.43
08 71 23 00-2066			Brass Push Plates (08 71 23 00-2053)		
08 71 23 00-2067			Bright/Satin Brass Finish, Brass Push Plates (08 71 23 00-2066) Note: Ives 8200 Series.		
08 71 23 00-2068	EA		3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	21.81	2.43
08 71 23 00-2069	EA		4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	25.59	2.43
08 71 23 00-2070	EA		6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	34.72	2.43
08 71 23 00-2071	EA		8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware.....	40.71	2.43
08 71 23 00-2072			Bright/Satin Chrome Finish, Brass Push Plates (08 71 23 00-2066) Note: Ives 8200 Series.		
08 71 23 00-2073	EA		3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	24.84	2.43
08 71 23 00-2074	EA		4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	27.92	2.43
08 71 23 00-2075	EA		6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	36.27	2.43
08 71 23 00-2076	EA		8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware.....	44.51	2.43
08 71 23 00-2077			Satin/Dark Bronze Finish, Brass Push Plates (08 71 23 00-2066) Note: Ives 8200 Series.		
08 71 23 00-2078	EA		3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware.....	24.84	2.43
08 71 23 00-2079	EA		4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware.....	27.92	2.43
08 71 23 00-2080	EA		6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware.....	37.75	2.43
08 71 23 00-2081	EA		8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware.....	45.33	2.43

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2082			Satin Nickel Finish, Brass Push Plates (08 71 23 00-2066) Note: Ives 8200 Series.		
08 71 23 00-2083	EA		3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware.....	24.84	2.43
08 71 23 00-2084	EA		4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware.....	28.69	2.43
08 71 23 00-2085	EA		6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware.....	40.08	2.43
08 71 23 00-2086	EA		8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware.....	47.67	2.43
08 71 23 00-2087			Exit Devices (08 71 23)		
08 71 23 00-2088			Push Bar Exit Device, Von Duprin Series 22 (08 71 23 00-2087) Note: Grade 1, BHMA 156.3.		
08 71 23 00-2089	EA		3' Push Bar Exit Device, Rim Type Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.	421.52	43.76
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 23 00-2090	EA		3' Push Bar Exit Device, Rim Type, Fire Rated..... Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.	481.84	43.76
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 23 00-2091	EA		3' Push Bar Exit Device, Surface Vertical Rods Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.	640.11	52.51
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 23 00-2092	EA		3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.	790.33	48.63
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 23 00-2093	EA		Dummy Trim (210DT), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	53.53	7.29
08 71 23 00-2094	EA		Night Latch Trim (210NL) With Cylinder, Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	135.03	9.72
08 71 23 00-2095	EA		Knob Trim (210K) With Cylinder, Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	260.76	14.59
08 71 23 00-2096	EA		Lever Trim (230L) With Cylinder, Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	257.98	14.59
08 71 23 00-2097	EA		Thumbpiece Trim (230TP) With Cylinder, Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	257.29	14.59
08 71 23 00-2098	EA		Knob - Blank Escutcheon (210K-BE), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	192.60	14.59
08 71 23 00-2099	EA		Exit Only Trim Plate (230EO), Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	78.16	5.83
08 71 23 00-2100	EA		Dummy Trim (230DT), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	89.00	7.29
08 71 23 00-2101	EA		Night Latch Trim (230NL) With Cylinder, Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	171.89	9.72
08 71 23 00-2102	EA		Lever - Blank Escutcheon (230L-BE), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	189.83	14.59
08 71 23 00-2103	EA		Thumbpiece - Blank Escutcheon (230TP-BE), Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	189.13	14.59
08 71 23 00-2104			Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 (08 71 23 00-2087) Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 23 00-2105	EA		3' Push Bar Exit Device, Rim Type, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 33/35.	892.18	43.76
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	79.41	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	152.38	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	29.47	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	226.44	
08 71 23 00-2106	EA		3' Push Bar Exit Device, Surface Vertical Rods, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3327/3527.	1,230.58	52.51
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	111.67	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	214.29	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	41.44	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	318.44	
08 71 23 00-2107	EA		3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.	1,257.00	52.51
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	114.38	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	219.48	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	42.44	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	326.15	
08 71 23 00-2108	EA		3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3347/3547.	1,261.71	60.30
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	112.67	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	216.21	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	41.81	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	321.28	
08 71 23 00-2109	EA		3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.	1,329.86	60.30
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	119.65	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	229.60	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	44.40	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	341.18	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-2110	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3348/3548. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,425.15 13.00 129.40 248.32 48.02 369.01	60.30
08 71	23 00-2111	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,493.30 13.00 136.38 261.71 50.61 388.91	60.30
08 71	23 00-2112	EA	Dummy Trim (DT), Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	205.84 36.63 7.08 54.43	7.29
08 71	23 00-2113	EA	Night Latch Less Pull (NL-OP With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	256.74 45.10 8.72 67.02	9.72
08 71	23 00-2114	EA	Night Latch (NL) With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	424.35 78.03 15.09 115.96	9.72
08 71	23 00-2115	EA	Lever Trim (360L) With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	527.14 95.94 18.55 142.57	14.59
08 71	23 00-2116	EA	Lever - Blank Escutcheon (360L-BE) With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	504.88 91.57 17.71 136.07	14.59
08 71	23 00-2117	EA	Lever Dummy Trim (360L-DT) With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	494.45 89.52 17.31 133.02	14.59
08 71	23 00-2118	EA	Thumbturn Trim (360T) With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	499.32 90.47 17.50 134.44	14.59
08 71	23 00-2119		Push Bar Exit Device, Von Duprin Series 98/99 <small>(08 71 23 00-2087)</small> Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71	23 00-2120	EA	3' Push Bar Exit Device, Rim Type, Von Duprin Series 98/99..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	776.73 13.00 40.26 64.02 102.30 209.23 66.00 97.02 43.99 184.18 122.59 112.62 56.90 205.29	43.76
08 71	23 00-2121	EA	3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series 98-F/99-F..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	892.18 13.00 47.30 75.22 120.20 245.83 77.55 114.00 56.90 205.29	43.76

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-2122	EA	3' Push Bar Exit Device, Rim Type, Von Duprin Series XP98/XP99	853.93	43.76
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	44.97	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	71.51	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	114.27	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	233.70	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	73.72	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	108.37	
		For Standard Baseplate Cylinder Dogging (CD), Add	43.99	
		For Special Center Case Dogging (SD), Add	184.18	
		For Cylinder Dogging Indicator (CI), Add	122.59	
		For Dogging Indicator (DI), Add	112.62	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
		For Safety Glow Touchpad, Add	205.29	
08 71 23 00-2123	EA	3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series XP98-F/XP99-F	966.59	43.76
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	51.84	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	82.44	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	131.73	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	269.42	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	84.99	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	124.93	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
		For Safety Glow Touchpad, Add	205.29	
08 71 23 00-2124	EA	3' Push Bar Exit Device, Surface Vertical Rods, Von Duprin Series 9827/9927	1,125.56	52.51
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	60.12	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	95.60	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	152.76	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	312.41	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	98.55	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	144.87	
		For Standard Baseplate Cylinder Dogging (CD), Add	43.99	
		For Special Center Case Dogging (SD), Add	184.18	
		For Cylinder Dogging Indicator (CI), Add	122.59	
		For Dogging Indicator (DI), Add	112.62	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
		For Safety Glow Touchpad, Add	205.29	
08 71 23 00-2125	EA	3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Von Duprin Series 9827-F/9927-F	1,282.05	52.51
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	69.66	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	110.77	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	177.01	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	362.02	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	114.20	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	167.88	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
		For Safety Glow Touchpad, Add	205.29	
08 71 23 00-2126	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9847/9947	1,172.69	60.30
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	94.05	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	98.09	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	156.75	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	320.57	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	101.13	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	148.66	
		For Standard Baseplate Cylinder Dogging (CD), Add	43.99	
		For Special Center Case Dogging (SD), Add	184.18	
		For Cylinder Dogging Indicator (CI), Add	122.59	
		For Dogging Indicator (DI), Add	112.62	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
		For Safety Glow Touchpad, Add	205.29	
08 71 23 00-2127	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847-F/9947-F	1,332.65	60.30
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	108.92	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	113.61	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	181.54	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	371.28	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	117.12	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	172.17	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
		For Safety Glow Touchpad, Add	205.29	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-2128	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9848/9948 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,336.13	60.30
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	109.25	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	113.95	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	182.08	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	372.38	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	117.47	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	172.68	
			For Standard Baseplate Cylinder Dogging (CD), Add	43.99	
			For Special Center Case Dogging (SD), Add	184.18	
			For Cylinder Dogging Indicator (CI), Add	122.59	
			For Dogging Indicator (DI), Add	112.62	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
			For Safety Glow Touchpad, Add	205.29	
08 71	23 00-2129	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9848-F/9948-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,496.09	60.30
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	124.12	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	129.46	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	206.87	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	423.09	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	133.47	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	196.20	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
			For Safety Glow Touchpad, Add	205.29	
08 71	23 00-2130	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Von Duprin Series 9847WDC/9947WDC Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,288.83	60.30
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	104.85	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	109.36	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	174.75	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	357.39	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	112.74	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	165.73	
			For Standard Baseplate Cylinder Dogging (CD), Add	43.99	
			For Special Center Case Dogging (SD), Add	184.18	
			For Cylinder Dogging Indicator (CI), Add	122.59	
			For Dogging Indicator (DI), Add	112.62	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
			For Safety Glow Touchpad, Add	205.29	
08 71	23 00-2131	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847WDC-F/9947WDC-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,468.97	60.30
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	121.60	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	126.83	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	202.67	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	414.49	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	130.75	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	192.21	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
			For Safety Glow Touchpad, Add	205.29	
08 71	23 00-2132	EA	3' Push Bar Exit Device, Surface Three Point Latch, Von Duprin Series 9857/9957 Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,430.19	52.51
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	78.70	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	125.14	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	199.97	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	408.98	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	129.02	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	189.65	
			For Standard Baseplate Cylinder Dogging (CD), Add	43.99	
			For Special Center Case Dogging (SD), Add	184.18	
			For Cylinder Dogging Indicator (CI), Add	122.59	
			For Dogging Indicator (DI), Add	112.62	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
			For Safety Glow Touchpad, Add	205.29	
08 71	23 00-2133	EA	3' Push Bar Exit Device, Surface Three Point Latch, Fire Rated, Von Duprin Series 9857-F/9957-F Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,533.82	52.51
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	85.02	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	135.20	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	216.04	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	441.83	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	139.38	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	204.89	
			For Standard Baseplate Cylinder Dogging (CD), Add	43.99	
			For Special Center Case Dogging (SD), Add	184.18	
			For Cylinder Dogging Indicator (CI), Add	122.59	
			For Dogging Indicator (DI), Add	112.62	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
			For Safety Glow Touchpad, Add	205.29	

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-2134	EA	3' Push Bar Exit Device, Mortise Lock, Von Duprin Series 9875/9975	1,110.53	54.46
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	35.69	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	93.57	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	149.52	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	305.80	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	96.47	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	141.81	
		For Standard Baseplate Cylinder Dogging (CD), Add	43.99	
		For Special Center Case Dogging (SD), Add	184.18	
		For Cylinder Dogging Indicator (CI), Add	122.59	
		For Dogging Indicator (DI), Add	112.62	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
		For Safety Glow Touchpad, Add	205.29	
08 71 23 00-2135	EA	3' Push Bar Exit Device, Mortise Lock, Fire Rated, Von Duprin Series 9875-F/9975-F	1,228.06	54.46
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	40.04	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	104.97	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	167.74	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	343.05	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	108.22	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	159.08	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
		For Safety Glow Touchpad, Add	205.29	
08 71 23 00-2136	EA	3' Push Bar Exit Device, Concealed Vertical Cable, Von Duprin Series 9849/9949	1,222.06	60.30
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	98.64	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	102.88	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	164.40	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	336.22	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	106.06	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	155.91	
		For Standard Baseplate Cylinder Dogging (CD), Add	43.99	
		For Special Center Case Dogging (SD), Add	184.18	
		For Cylinder Dogging Indicator (CI), Add	122.59	
		For Dogging Indicator (DI), Add	112.62	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
		For Safety Glow Touchpad, Add	205.29	
08 71 23 00-2137	EA	3' Push Bar Exit Device, Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849-F/9949-F	1,338.90	60.30
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	109.50	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	114.21	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	182.51	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	373.26	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	117.75	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	173.09	
		For Standard Baseplate Cylinder Dogging (CD), Add	43.99	
		For Special Center Case Dogging (SD), Add	184.18	
		For Cylinder Dogging Indicator (CI), Add	122.59	
		For Dogging Indicator (DI), Add	112.62	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
		For Safety Glow Touchpad, Add	205.29	
08 71 23 00-2138	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Von Duprin Series 9849WDC/9949WDC	1,343.08	60.30
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	109.89	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	114.62	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	183.16	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	374.58	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	118.17	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	173.70	
		For Standard Baseplate Cylinder Dogging (CD), Add	43.99	
		For Special Center Case Dogging (SD), Add	184.18	
		For Cylinder Dogging Indicator (CI), Add	122.59	
		For Dogging Indicator (DI), Add	112.62	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
		For Safety Glow Touchpad, Add	205.29	
08 71 23 00-2139	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849WDC-F/9949WDC-F	1,551.73	60.30
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	129.30	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	134.86	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	215.50	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	440.73	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	139.03	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	204.37	
		For Standard Baseplate Cylinder Dogging (CD), Add	43.99	
		For Special Center Case Dogging (SD), Add	184.18	
		For Cylinder Dogging Indicator (CI), Add	122.59	
		For Dogging Indicator (DI), Add	112.62	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	56.90	
		For Safety Glow Touchpad, Add	205.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2140	EA		3' Push Bar Exit Device, Chexit Delayed Egress, Von Duprin Series CX98/CX99 Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Center Case Dogging (CD-CX), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,807.42 13.00 259.05 529.80 167.13 62.17 69.86 198.83 56.90 205.29	50.56
08 71 23 00-2141	EA		3' Push Bar Exit Device, Chexit Delayed Egress, Fire Rated, Von Duprin Series CX98-F/CX99-F..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,922.87 13.00 276.94 566.39 178.67 66.47 74.69 56.90 205.29	50.56
08 71 23 00-2142	EA		3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Von Duprin Series CX9875/CX9975..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Center Case Dogging (CD-CX), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	2,145.12 13.00 306.27 626.36 197.59 73.50 82.59 198.83 56.90 205.29	62.23
08 71 23 00-2143	EA		3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Fire Rated, Von Duprin Series CX9875-F/CX9975-F Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	2,262.66 13.00 324.48 663.62 209.35 77.88 87.51 56.90 205.29	62.23
08 71 23 00-2144	EA		3' Push Bar Exit Device, Electric Latch Retraction, Von Duprin Series E98/E99 Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,125.84 13.00 153.40 313.73 98.97 36.82 56.81 43.99 184.18 112.62 84.46 56.90 205.29	50.56
08 71 23 00-2145	EA		3' Push Bar Exit Device, Electric Latch Retraction, Fire Rated, Von Duprin Series E98-F/E99-F..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,241.29 13.00 171.30 350.33 110.52 41.11 63.44 56.90 205.29	50.56
08 71 23 00-2146	EA		3' Push Bar Exit Device, Mortise Electric Latch Retraction, Von Duprin Series E9875/E9975 Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,463.53 13.00 200.62 410.30 129.43 48.15 74.29 43.99 184.18 112.62 84.46 56.90 205.29	62.23
08 71 23 00-2147	EA		3' Push Bar Exit Device, Mortise Electric Latch Retraction, Fire Rated, Von Duprin Series E9875-F/E9975-F..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,581.07 13.00 218.84 447.56 141.19 52.52 81.04 56.90 205.29	62.23

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-2148	EA	Exit Only Trim Plate (EO), Von Duprin Series 98/99.....	89.47	5.83
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	2.22	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	3.33	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	12.56	
08 71 23 00-2149	EA	Dummy Trim (DT), Von Duprin Series 98/99.....	134.41	7.29
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.45	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	5.17	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	19.54	
08 71 23 00-2150	EA	Night Latch (NL) Pull Trim With 110NL Cylinder, Von Duprin Series 98/99.....	218.56	9.72
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.74	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.61	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	32.53	
08 71 23 00-2151	EA	Night Latch (NL) Pull Trim Without Cylinder, Von Duprin Series 98/99.....	150.40	9.72
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.70	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	5.54	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	20.94	
08 71 23 00-2152	EA	Lever Trim (L) With 110NL Cylinder, Von Duprin Series 98/99.....	372.76	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.02	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	15.02	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	56.76	
08 71 23 00-2153	EA	Lever Trim (L) Without Cylinder, Von Duprin Series 98/99.....	304.60	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.97	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	11.96	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	45.17	
08 71 23 00-2154	EA	Lever - Blank Escutcheon (L-BE), Von Duprin Series 98/99.....	304.60	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.97	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	11.96	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	45.17	
08 71 23 00-2155	EA	Lever - Night Latch (L-NL) With 110NL Cylinder, Von Duprin Series 98/99.....	314.10	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.26	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.38	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	46.78	
08 71 23 00-2156	EA	Lever - Night Latch (L-NL) Without Cylinder, Von Duprin Series 98/99.....	245.95	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.21	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.32	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.20	
08 71 23 00-2157	EA	Lever Dummy Trim (L-DT), Von Duprin Series 98/99.....	245.95	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.21	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.32	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.20	
08 71 23 00-2158	EA	Knob Trim (K) With 110NL Cylinder, Von Duprin Series 98/99.....	304.73	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.97	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	11.96	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	45.19	
08 71 23 00-2159	EA	Knob Trim (K) Without Cylinder, Von Duprin Series 98/99.....	236.57	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.93	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.90	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	33.60	
08 71 23 00-2160	EA	Knob - Blank Escutcheon (K-BE), Von Duprin Series 98/99.....	236.57	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.93	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.90	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	33.60	
08 71 23 00-2161	EA	Knob - Night Latch (K-NL) With 110NL Cylinder, Von Duprin Series 98/99.....	299.45	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.82	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	11.72	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	44.29	
08 71 23 00-2162	EA	Knob - Night Latch (K-NL) Without Cylinder, Von Duprin Series 98/99.....	231.29	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.77	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.66	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	32.71	
08 71 23 00-2163	EA	Knob Dummy Trim (K-DT) Without Cylinder, Von Duprin Series 98/99.....	231.29	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.77	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.66	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	32.71	
08 71 23 00-2164	EA	Thumbpiece Trim (TP) With 110NL Cylinder, Von Duprin Series 98/99.....	270.70	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.95	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.43	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	39.41	
08 71 23 00-2165	EA	Thumbpiece Trim (TP) Without Cylinder, Von Duprin Series 98/99.....	202.54	14.59
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.91	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	7.36	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	27.82	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2166	EA		Thumbpiece - Blank Escutcheon (T-BE), Von Duprin Series 98/99.....	202.54	14.59
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.91	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	7.36	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	27.82	
08 71 23 00-2167	EA		Push/Pull Hospital Latch Trim (HL) With 110NL Cylinder, Von Duprin Series 98/99.....	221.11	14.59
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.47	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.20	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	30.98	
08 71 23 00-2168			Option And Kits For Series 22, 33, 35, 98 Or 99 (08 71 23 00-2087)		
08 71 23 00-2169	EA		Alarm Kit With Switch And 9 Volt Battery Back-up.....	644.66	14.59
08 71 23 00-2170	EA		Power Supply For Chexit Or Electric Latch Devices (Von Duprin PS914)	498.23	14.59
			Note: 4 amp @ 12 volt DC, 2 amp @ 24 volt DC.		
			For Battery Backup (Includes Board And 2 Batteries), Add	73.08	
			For Fire Alarm Interface, Add	36.54	
			For 2 Relay Panic Device Control Board, Add	105.97	
			For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	124.23	
			For 4 Relay Output Board, Add	102.31	
			For 4 Relay Logic Board, Add	280.60	
			For Fused 8 Zone Distribution Board, Add	36.54	
08 71 23 00-2171	EA		Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	450.51	14.59
08 71 23 00-2172	EA		Power Supply, 2 Amp (Von Duprin PS902)	190.05	14.59
			Note: 2A@12/24 VDC		
			For Battery Backup (Includes Board And 2 Batteries), Add	73.08	
			For Fire Alarm Interface, Add	36.54	
			For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	124.23	
			For 4 Relay Output Board, Add	102.31	
			For 4 Relay Logic Board, Add	280.60	
			For Fused 8 Zone Distribution Board, Add	36.54	
08 71 23 00-2173	EA		Power Supply, 4 Amp (Von Duprin PS904)	323.81	14.59
			Note: 4A@12/24 VDC		
			For Battery Backup (Includes Board And 2 Batteries), Add	73.08	
			For Fire Alarm Interface, Add	36.54	
			For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	124.23	
			For 4 Relay Output Board, Add	102.31	
			For 4 Relay Logic Board, Add	280.60	
			For Fused 8 Zone Distribution Board, Add	36.54	
08 71 23 00-2174	EA		Request to Exit Push Pad Monitor Switch (RX)	131.48	9.72
08 71 23 00-2175			Removable Verticals, Mullions (Von Duprin) (08 71 23 00-2087)		
08 71 23 00-2176	EA		7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72)	358.83	9.72
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-319.93	
08 71 23 00-2177	EA		8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82)	383.86	9.72
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-344.96	
08 71 23 00-2178	EA		10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102)	653.93	9.72
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-615.03	
08 71 23 00-2179	EA		7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76)	633.68	11.67
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-587.00	
08 71 23 00-2180	EA		8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86)	658.71	11.67
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-612.03	
08 71 23 00-2181	EA		10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106)	713.66	11.67
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-666.98	
08 71 23 00-2182	EA		7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....	534.09	9.72
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-495.19	
08 71 23 00-2183	EA		8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....	559.83	9.72
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-520.93	
08 71 23 00-2184	EA		10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....	611.99	9.72
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-573.09	
08 71 23 00-2185	EA		7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....	836.07	11.67
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-789.39	
08 71 23 00-2186	EA		8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....	861.80	11.67
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-815.12	
08 71 23 00-2187	EA		10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....	1,670.46	11.67
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-1,623.78	
08 71 23 00-2188	EA		Mullion Stabilizer Set (Von Duprin 154)	67.72	7.78
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-52.16	
08 71 23 00-2189			Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 (08 71 23 00-2087)		
			Note: Grade 1, BHMA 156.3.		

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-2190	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile	1,445.10	43.76
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	167.38	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	192.62	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	253.72	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	276.31	
08 71 23 00-2191	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile	1,849.40	60.30
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	212.68	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	244.76	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	322.40	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	351.10	
08 71 23 00-2192	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated	2,037.88	60.30
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	236.43	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	272.09	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	358.40	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	390.30	
08 71 23 00-2193	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile	1,896.00	60.30
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	218.56	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	251.51	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	331.30	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	360.79	
08 71 23 00-2194	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated	2,078.91	60.30
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	241.60	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	278.03	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	366.24	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	398.84	
08 71 23 00-2195	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile	1,413.06	54.46
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	159.67	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	183.74	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	242.03	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	263.58	
08 71 23 00-2196	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated	1,536.17	54.46
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	175.18	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	201.59	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	265.55	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	289.18	
08 71 23 00-2197	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55	248.27	7.29
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	28.83	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	33.18	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	43.70	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	47.59	
08 71 23 00-2198	EA	Cylinder Assembly, Von Duprin Series 55	91.91	10.31
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	8.15	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	9.38	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	12.35	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	13.45	
08 71 23 00-2199	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55	425.05	10.31
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	50.13	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	57.68	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	75.98	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	82.75	
08 71 23 00-2200	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55	445.07	14.59
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	51.18	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	58.89	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	77.58	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	84.48	
08 71 23 00-2201	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55	354.65	14.59
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	39.78	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	45.78	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	60.31	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	65.68	
08 71 23 00-2202	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55	445.07	14.59
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	51.18	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	58.89	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	77.58	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	84.48	
08 71 23 00-2203	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55	518.79	14.59
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	60.47	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	69.58	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	91.66	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	99.82	

08 71 23 00-2204 Cross Bar Exit Device, Von Duprin Series 88 (08 71 23 00-2087)
Note: Grade 1, BHMA 156.3.



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 08 71 23 00-2205 EA 42" Crossbar Exit Device, Rim Type, 08 71 23 00-2206 EA 42" Crossbar Exit Device, Rim Type, Fire Rated, etc.

08 71 23 00-2219 Door Closers (08 71 23)
Note: Includes standard cover and arm.

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-2220	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	244.68	11.28
		<i>For Delayed Action, Add</i>	12.60	
		<i>For AVB (5 LB Per Push), Add</i>	6.60	
		<i>For Fusible Link Arm, Add</i>	39.60	
		<i>For Shock Absorbing Arm, Add</i>	19.80	
		<i>For Hold Open Arm, Add</i>	13.80	
		<i>For Plated Brass Finish, Add</i>	101.40	
		<i>For Plated Finish With Clear Coat, Add</i>	127.20	
		<i>For Parallel Arm, Add</i>	22.40	
08 71 23 00-2221	EA	Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series).....	308.62	11.28
		<i>For Delayed Action, Add</i>	12.60	
		<i>For AVB (5 LB Per Push), Add</i>	6.60	
		<i>For Fusible Link Arm, Add</i>	39.60	
		<i>For Shock Absorbing Arm, Add</i>	19.80	
		<i>For Hold Open Arm, Add</i>	13.80	
		<i>For Plated Brass Finish, Add</i>	101.40	
		<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 23 00-2222	EA	Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series).....	318.78	11.28
		<i>For Delayed Action, Add</i>	12.60	
		<i>For AVB (5 LB Per Push), Add</i>	6.60	
		<i>For Fusible Link Arm, Add</i>	39.60	
		<i>For Shock Absorbing Arm, Add</i>	19.80	
		<i>For Hold Open Arm, Add</i>	13.80	
		<i>For Plated Brass Finish, Add</i>	101.40	
		<i>For Plated Finish With Clear Coat, Add</i>	127.20	
		<i>For Spring Cush Arm, Add</i>	67.20	
		<i>For Parallel Arm And PA Shoe, Add</i>	22.40	
		<i>For Stainless Steel Finish, Add</i>	145.00	
08 71 23 00-2223	EA	Surface Mounted High Security Door Closer, Metal Cover (LCN 4510).....	331.50	11.28
		<i>For Delayed Action, Add</i>	12.60	
		<i>For AVB (5 LB Per Push), Add</i>	6.60	
		<i>For Fusible Link Arm, Add</i>	39.60	
		<i>For Shock Absorbing Arm, Add</i>	19.80	
		<i>For Hold Open Arm, Add</i>	13.80	
		<i>For Plated Brass Finish, Add</i>	101.40	
		<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 23 00-2224	EA	Surface Mounted Standard Duty Door Closer (Norton 8301).....	196.80	11.28
		<i>For Parallel Arm, Add</i>	22.40	
08 71 23 00-2225	EA	Surface Mounted Standard Duty Door Closer (Norton 8501).....	198.94	11.28
		<i>For Parallel Arm, Add</i>	22.40	
08 71 23 00-2226		Concealed Door Closers <small>(08 71 23)</small>		
08 71 23 00-2227	EA	Floor Concealed Door Closer, Non Hold Open (Rixson 27/28).....	683.99	33.45
08 71 23 00-2228	EA	Floor Concealed Door Closer, Selective Hold Open (Rixson 27/27).....	743.91	33.45
08 71 23 00-2229	EA	Concealed (In Door) Overhead Door Closer (LCN 3130)	364.64	13.62
		<i>For Hold Open Arm, Add</i>	13.80	
		<i>For Plated Brass Finish, Add</i>	101.40	
		<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 23 00-2230	EA	Concealed (In Frame) Overhead Door Closer (LCN 5010).....	399.69	13.62
		<i>For Delayed Action, Add</i>	12.60	
		<i>For Hold Open Arm, Add</i>	13.80	
		<i>For Plated Brass Finish, Add</i>	101.40	
		<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 23 00-2231		Locks And Latches <small>(08 71 23)</small>		
		Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include construction cores. Multi purchase locksets are keyed alike and to the existing master key. The cost for boring hole or preparing mortise is included with the new door.		
08 71 23 00-2232		Locksmith Services <small>(08 71 23 00-2231)</small>		
08 71 23 00-2233	EA	Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	1.20	
		<i>For >50, Deduct</i>	-0.24	
08 71 23 00-2234	EA	Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	46.70	
		<i>For >5, Deduct</i>	-4.67	
08 71 23 00-2235	EA	Replace Cylinder With Owner Supplied Cylinder.....	46.70	
		<i>For >5, Deduct</i>	-4.67	
08 71 23 00-2236	EA	Replace Cylinder With New Cylinder	59.53	
		Note: Excludes core.		
		<i>For >5, Deduct</i>	-4.67	
08 71 23 00-2237	EA	Open Locked Doors.....	46.70	
08 71 23 00-2238	EA	Install Owner Furnished Cores And Cylinders	19.76	
08 71 23 00-2239		Mortise Locksets And Latchsets <small>(08 71 23 00-2231)</small>		
		Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 23 00-2240	EA	Passage/Closet F01 Mortise Latchset	309.59	9.72
		Note: Both sides always unlocked.		
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	8.93	
		<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	8.12	
		<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	13.53	
		<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	95.55	
08 71 23 00-2241	EA	Bath/Bedroom Privacy F02 Mortise Lockset.....	369.73	9.72
		Note: Locked with thumb knob inside.		
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	10.92	
		<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	9.92	
		<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	16.54	
		<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	116.78	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-2242	EA	Entrance/Office F04 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	412.28 12.32 11.20 18.67 131.80	9.72
08 71	23 00-2243	EA	Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Security Function (Double Cylinder) With Visual Indicator, Add	384.33 11.40 10.36 17.27 121.94 43.26	9.72
08 71	23 00-2244	EA	Storeroom/Closet F07 Mortise Lockset..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	384.33 11.40 10.36 17.27 121.94	9.72
08 71	23 00-2245	EA	Entrance F08 Mortise Lockset Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	430.09 12.91 11.74 19.56 138.09	9.72
08 71	23 00-2246	EA	Dormitory/Exit F13 Mortise Lockset Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	369.31 10.90 9.91 16.52 116.63	9.72
08 71	23 00-2247		Locks And Latches (08 71 23 00-2231)		
08 71	23 00-2248		Preassembled Locks And Latches (08 71 23 00-2247) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		
08 71	23 00-2249	EA	Passage/Closet F36 Pre-Assembled Latchset..... Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2 With Lever Handles, Deduct For Grade 2 With Knobs, Deduct	548.63 15.29 25.49 179.93 94.81 -198.28 -341.52	9.72
08 71	23 00-2250	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset Note: Locked with push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2 With Lever Handles, Deduct For Grade 2 With Knobs, Deduct	593.20 16.63 27.72 195.67 103.10 -215.62 -371.38	9.72
08 71	23 00-2251	EA	Entrance/Office F41 Pre-Assembled Lockset Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2 With Lever Handles, Deduct For Grade 2 With Knobs, Deduct	673.10 19.03 31.71 223.87 117.96 -246.70 -424.91	9.72
08 71	23 00-2252	EA	Classroom F42 Pre-Assembled Lockset Note: Locked with key outside. Inside always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2 With Lever Handles, Deduct For Grade 2 With Knobs, Deduct	673.10 19.03 31.71 223.87 117.96 -246.70 -424.91	9.72
08 71	23 00-2253	EA	Storeroom/Closet F44 Pre-Assembled Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2 With Lever Handles, Deduct For Grade 2 With Knobs, Deduct	673.10 19.03 31.71 223.87 117.96 -246.70 -424.91	9.72
08 71	23 00-2254		Bored Locks And Latches (08 71 23 00-2247) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.		
08 71	23 00-2255	EA	Passage/Closet F75 Bored Latchset Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	158.59 3.59 5.98 42.25 22.26 -5.98 2.39 9.45	9.72

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-2256	EA	Bath/Bedroom Privacy F76 Bored Lockset	187.13	9.72
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.45	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	7.41	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	52.33	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	27.57	
		For Grade 2, Deduct	-7.41	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	2.96	
		For Interchangeable Core, Add	9.45	
08 71 23 00-2257	EA	Entrance/Office F82 Bored Lockset	210.15	9.72
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.14	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.56	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	60.45	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	31.85	
		For Grade 2, Deduct	-8.56	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.43	
		For Interchangeable Core, Add	9.45	
08 71 23 00-2258	EA	Classroom F84 Bored Lockset.....	210.15	9.72
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.14	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.56	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	60.45	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	31.85	
		For Grade 2, Deduct	-8.56	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.43	
		For Interchangeable Core, Add	9.45	
08 71 23 00-2259	EA	Storeroom/Closet F86 Bored Lockset.....	210.15	9.72
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.14	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.56	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	60.45	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	31.85	
		For Grade 2, Deduct	-8.56	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.43	
		For Interchangeable Core, Add	9.45	
08 71 23 00-2260	EA	Corridor/Dormitory F90 Bored Lockset	210.15	9.72
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.14	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.56	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	60.45	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	31.85	
		For Grade 2, Deduct	-8.56	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.43	
		For Interchangeable Core, Add	9.45	
08 71 23 00-2261		Other Locks (08 71 23 00-2231)		
		Note: BHMA A156.5.		
08 71 23 00-2262	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	438.43	50.56
08 71 23 00-2263	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	1,039.48	101.13
08 71 23 00-2264		Pushbutton Combination Locks (08 71 23 00-2231)		
08 71 23 00-2265		Mechanical Pushbutton Combination Locks (08 71 23 00-2264)		
		Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 23 00-2266		Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)		
		(08 71 23 00-2265)		
		Note: Satin chrome or antique brass finish.		
08 71 23 00-2267	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series)	417.10	24.69
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2268	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series).....	454.56	24.69
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2269	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	469.54	24.69
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2270	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	506.98	24.69
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2271	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series)	480.77	24.69
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2272	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series).....	518.22	24.69
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2273	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	533.20	24.69
		For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2274	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	570.65	24.69
		For Bright Chrome Or Bright Brass Finish, Add	17.50	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 23 00-2275	Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series) <small>(08 71 23 00-2265)</small> Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.	
08 71 23 00-2276	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)..... 471.78
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i> 17.50
		<i>For Dark Bronze Finish With Brass Accents, Add</i> 70.00
08 71 23 00-2277	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)..... 501.74
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i> 17.50
		<i>For Dark Bronze Finish With Brass Accents, Add</i> 70.00
08 71 23 00-2278	EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)..... 561.66
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i> 17.50
		<i>For Dark Bronze Finish With Brass Accents, Add</i> 70.00
08 71 23 00-2279	EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)..... 584.13
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i> 17.50
		<i>For Dark Bronze Finish With Brass Accents, Add</i> 70.00
08 71 23 00-2280	EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)..... 584.13
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i> 17.50
		<i>For Dark Bronze Finish With Brass Accents, Add</i> 70.00
08 71 23 00-2281	EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)..... 546.68
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i> 17.50
		<i>For Dark Bronze Finish With Brass Accents, Add</i> 70.00
08 71 23 00-2282	Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series) <small>(08 71 23 00-2265)</small> Note: Satin chrome or antique brass finish.	
08 71 23 00-2283	EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)..... 589.38
		<i>For Bright Chrome Or Bright Brass Finish, Add</i> 17.50
08 71 23 00-2284	EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)..... 611.84
		<i>For Bright Chrome Or Bright Brass Finish, Add</i> 17.50
08 71 23 00-2285	Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470) <small>(08 71 23 00-2265)</small> Note: Satin stainless, bright brass or antique brass finish.	
08 71 23 00-2286	EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)..... 202.14
08 71 23 00-2287	EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series) 301.01
08 71 23 00-2288	Electrical Pushbutton Combination Locks <small>(08 71 23 00-2264)</small> Note: Privacy option limits access to privileged users (master codes).	
08 71 23 00-2289	Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) <small>(08 71 23 00-2288)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.	
08 71 23 00-2290	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series) 435.83
		<i>For Satin Brass Finish, Add</i> 17.50
08 71 23 00-2291	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series) 525.71
		<i>For Satin Brass Finish, Add</i> 17.50
08 71 23 00-2292	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series) 548.18
		<i>For Satin Brass Finish, Add</i> 17.50
08 71 23 00-2293	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series) 510.73
		<i>For Satin Brass Finish, Add</i> 17.50
08 71 23 00-2294	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)..... 473.28
		<i>For Satin Brass Finish, Add</i> 17.50
08 71 23 00-2295	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)..... 548.18
		<i>For Satin Brass Finish, Add</i> 17.50
08 71 23 00-2296	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)..... 563.16
		<i>For Satin Brass Finish, Add</i> 17.50
08 71 23 00-2297	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)..... 585.63
		<i>For Satin Brass Finish, Add</i> 17.50
08 71 23 00-2298	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series) 548.18
		<i>For Satin Brass Finish, Add</i> 17.50
08 71 23 00-2299	Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) <small>(08 71 23 00-2288)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2300	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	585.63	24.69
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2301	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	585.63	24.69
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2302			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) <small>(08 71 23 00-2288)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 23 00-2303	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	701.72	24.69
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2304	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	701.72	24.69
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2305			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) <small>(08 71 23 00-2288)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 23 00-2306	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	761.64	24.69
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2307	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	836.54	24.69
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2308	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	851.52	24.69
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2309	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	874.00	24.69
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2310	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	836.54	24.69
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2311			Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) <small>(08 71 23 00-2288)</small>		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 23 00-2312	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,117.42	24.69
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2313	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,192.32	24.69
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2314	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,207.30	24.69
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-2315	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,229.77	24.69
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		
08 71	23 00-2316	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,192.32	24.69
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.82	
			<i>Note: Excludes momentary contact switch.</i>		
08 71	23 00-2317		Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) (08 71 23 00-2288)		
			Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71	23 00-2318	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series).....	1,626.74	24.69
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
08 71	23 00-2319		Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) (08 71 23 00-2288)		
			Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71	23 00-2320	EA	Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series).....	986.34	24.69
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71	23 00-2321		Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) (08 71 23 00-2288)		
			Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71	23 00-2322	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	566.90	24.69
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-468.12	
08 71	23 00-2323	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	656.78	24.69
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-558.00	
08 71	23 00-2324	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	679.26	24.69
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-580.48	
08 71	23 00-2325	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	641.80	24.69
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-543.02	
08 71	23 00-2326	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	604.36	24.69
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-505.58	
08 71	23 00-2327	EA	Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	679.26	24.69
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-580.48	
08 71	23 00-2328	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	694.24	24.69
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-595.46	
08 71	23 00-2329	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	716.70	24.69
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-617.92	
08 71	23 00-2330	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	679.26	24.69
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-580.48	
08 71	23 00-2331		Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) (08 71 23 00-2288)		
08 71	23 00-2332	EA	Standard Software Implementation Kit (Kaba® E-Plex®).....	453.52	
08 71	23 00-2333	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®).....	603.32	
08 71	23 00-2334	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	828.02	
08 71	23 00-2335	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	230.51	
08 71	23 00-2336	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	72.80	
			Note: Includes 4 C-cell battery pack.		
08 71	23 00-2337	EA	12-24 VDC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	88.52	
08 71	23 00-2338		Electrical Pushbutton Combination Locks (Schlage) (08 71 23 00-2288)		
			Note: ANSI/BHMA Grade 1. Satin chrome finish.		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2339 EA Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D).....	501.02	24.31
<i>For Owner Furnished Material, Deduct</i>	-403.78	
08 71 23 00-2340 EA Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D).....	591.66	24.31
<i>For Owner Furnished Material, Deduct</i>	-494.42	
08 71 23 00-2341 EA Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626).....	677.01	24.31
<i>For Owner Furnished Material, Deduct</i>	-579.77	
08 71 23 00-2342 EA Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626).....	906.56	24.31
<i>For Owner Furnished Material, Deduct</i>	-809.32	
08 71 23 00-2343 EA Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626).....	997.80	24.31
<i>For Owner Furnished Material, Deduct</i>	-900.56	
08 71 23 00-2344 EA Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626).....	1,104.92	24.31
<i>For Owner Furnished Material, Deduct</i>	-1,007.68	
08 71 23 00-2345 EA Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626).....	1,009.57	24.31
<i>For Owner Furnished Material, Deduct</i>	-912.33	
08 71 23 00-2346 Residential Locks And Latchsets (08 71 23 00-2331)		
08 71 23 00-2347 EA Residential Entry Lockset With Knobs (Master Keyed).....	32.55	5.93
08 71 23 00-2348 EA Residential Privacy Lockset With Knobs.....	31.56	5.93
08 71 23 00-2349 EA Residential Passage Lockset With Knobs.....	31.42	5.93
08 71 23 00-2350 EA Residential Dummy Lockset With Knobs.....	24.34	4.94
08 71 23 00-2351 EA Residential Entry Lockset With Levers (Master Keyed).....	39.42	5.93
08 71 23 00-2352 EA Residential Privacy Lockset With Levers.....	37.14	5.93
08 71 23 00-2353 EA Residential Passage Lockset With Levers.....	35.49	5.93
08 71 23 00-2354 EA Residential Dummy Lockset With Levers.....	25.12	4.94
08 71 23 00-2355 EA Screen Door - Closer.....	25.77	4.27
08 71 23 00-2356 EA Screen Door - Locking Handle.....	26.42	6.12
08 71 23 00-2357 Deadbolts (08 71 23 00-2331)		
08 71 23 00-2358 Cylindrical Deadbolts, Grade 1, ANSI 156.5 (08 71 23 00-2357)		
Note: 2-3/8" or 2-3/4" backset.		
08 71 23 00-2359 EA Single Cylinder Deadbolt, Key One Side, Knob One Side.....	96.60	9.72
Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 23 00-2360 EA Double Cylinder Deadbolt, Key Both Sides.....	113.94	9.72
Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 23 00-2361 Cylindrical Deadbolts, Grade 2, ANSI 156.5 (08 71 23 00-2357)		
Note: 2-3/8" or 2-3/4" backset.		
08 71 23 00-2362 EA Single Cylinder Deadbolt, Key One Side, Knob One Side.....	84.73	9.72
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 23 00-2363 EA Double Cylinder Deadbolt, Key Both Sides.....	103.67	9.72
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 23 00-2364 Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 23 00-2357)		
Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 23 00-2365 EA Small Case Mortised Deadbolt, Key One Side, Knob One Side.....	126.21	9.72
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 23 00-2366 EA Small Case Mortised Deadbolt, Key Both Sides.....	142.26	9.72
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.		
08 71 23 00-2367 EA Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side.....	123.00	9.72
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 23 00-2368 Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 23 00-2357)		
Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 23 00-2369 EA Mortised Deadbolt, Key One Side, Knob One Side.....	169.87	9.72
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 23 00-2370 EA Mortised Deadbolt, Key Both Sides.....	196.19	9.72
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.		
08 71 23 00-2371 EA Mortised Deadbolt, Key One Side, Cover Plate One Side.....	147.40	9.72
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 23 00-2372 Surface Mounted Deadbolts (08 71 23 00-2357)		
08 71 23 00-2373 EA Single Cylinder Surface Mounted Deadbolt.....	58.87	9.72
Note: Key one side, knob one side, bright brass finish.		
<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 23 00-2374 EA Double Cylinder Surface Mounted Deadbolt.....	70.46	9.72
Note: Key both sides, bright brass finish.		
<i>For Brushed Chrome Finish, Add</i>	10.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2375	EA		Single Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	79.69 10.50	9.72
08 71 23 00-2376	EA		Double Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key both sides, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	91.29 10.50	9.72
08 71 23 00-2377 Surface Mounted Deadlatches (08 71 23 00-2377)					
08 71 23 00-2378	EA		Single Cylinder Surface Mounted Deadlatch Note: Key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	59.77 10.50	9.72
08 71 23 00-2379	EA		Single Cylinder Surface Mounted Interlocking Deadlatch Note: Jimmy proof, key one side, knob one side, bright brass finish. <i>For Brushed Chrome Finish, Add</i>	79.73 10.50	9.72
08 71 23 00-2380 Electric Strikes (08 71 23 00-2380)					
08 71 23 00-2381	EA		Aluminum/Steel Body Electric Strike (Von Duprin 5100)	194.08	19.45
08 71 23 00-2382	EA		Stainless Steel Body Electric Strike For Rim Mounted Lock (Von Duprin 6112)	474.60	19.45
08 71 23 00-2383	EA		Stainless Steel Body Electric Strike (Von Duprin 6215)	503.17	19.45
08 71 23 00-2384	EA		Dual Voltage Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,070 LB Static Strength (HES 1006)	341.46	19.45
08 71 23 00-2385	EA		Fire Rated Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,000 LB Static Strength (HES 4500)	339.24	19.45
08 71 23 00-2386	EA		Low Profile Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5000)	147.97	19.45
08 71 23 00-2387	EA		Adjustable Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5200)	147.97	19.45
08 71 23 00-2388	EA		Electric Strike With Preload, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device (HES 7000)	199.92	19.45
08 71 23 00-2389	EA		Cylindrical Lock Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 7500)	383.66	19.45
08 71 23 00-2390	EA		Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8000)	172.03	19.45
08 71 23 00-2391	EA		Fire Rated Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8300)	349.73	19.45
08 71 23 00-2392	EA		Fire Rated Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8500)	304.93	19.45
08 71 23 00-2393	EA		Slim Line Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 9400)	357.45	25.67
08 71 23 00-2394	EA		Fire Rated Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9500)	413.32	25.67
08 71 23 00-2395	EA		Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9600)	357.75	25.67
08 71 23 00-2396 Electric Hardware (08 71 23 00-2396)					
08 71 23 00-2397	EA		Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	99.82	
08 71 23 00-2398	EA		Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	118.49	
08 71 23 00-2399	EA		24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	54.73	9.72
08 71 23 00-2400	EA		1 Amp At 12/24 Volt DC, Door Hardware Power Supply	199.64	9.72
08 71 23 00-2401	EA		3 Amp At 12 Volt DC, 2 Amp At 24 Volt DC, Door Hardware Power Supply	363.95	9.72
08 71 23 00-2402	EA		4.5 Amp At 12 Volt DC, 3 Amp At 24 Volt DC, Door Hardware Power Supply	570.46	9.72
08 71 23 00-2403	EA		6 Amp At 12 Volt DC, 4 Amp At 24 Volt DC, Door Hardware Power Supply	631.67	9.72
08 71 23 00-2404	EA		9 Amp At 12 Volt DC, 6 Amp At 24 Volt DC, Door Hardware Power Supply	758.64	9.72
08 71 23 00-2405	EA		15 Amp At 12 Volt DC, 10 Amp At 24 Volt DC, Door Hardware Power Supply	925.37	9.72
08 71 23 00-2406 Magnetic Locks (08 71 23 00-2406)					
08 71 23 00-2407	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40)	401.61	46.68
08 71 23 00-2408	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ)	488.43	52.51
08 71 23 00-2409	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70)	484.60	46.68
08 71 23 00-2410	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ)	571.24	52.51
08 71 23 00-2411	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	503.96	50.56
08 71 23 00-2412	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	560.87	50.56
08 71 23 00-2413	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490)	605.17	50.56
08 71 23 00-2414	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	659.59	58.35
08 71 23 00-2415	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	735.25	58.35
08 71 23 00-2416	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	769.33	58.35
08 71 23 00-2417	EA		2 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	226.77	19.45
08 71 23 00-2418	EA		4 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	396.74	19.45
08 71 23 00-2419	EA		6 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	485.08	19.45
08 71 23 00-2420 Door Coordinators (08 71 23 00-2420)					
08 71 23 00-2421	EA		32" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i>	253.52 -81.96	12.16
08 71 23 00-2422	EA		42" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i>	266.64 -86.43	12.64
08 71 23 00-2423	EA		52" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i>	272.37 -87.94	13.13
08 71 23 00-2424	EA		60" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i>	284.51 -92.02	13.62

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2425	EA		72" COR Series Door Coordinator.....	306.68	14.10
			Note: Satin chrome finish. Includes two mounting brackets.		
			<i>For Anodized Aluminum Finish, Deduct</i>	-100.11	
08 71 23 00-2426	EA		Up To 20" Filler Bar For Door Coordinator.....	56.25	3.89
			<i>For Anodized Aluminum Finish, Deduct</i>	-16.28	
08 71 23 00-2427	EA		Up To 32" Filler Bar For Door Coordinator.....	61.64	4.38
			<i>For Anodized Aluminum Finish, Deduct</i>	-17.66	
08 71 23 00-2428	EA		Up To 44" Filler Bar For Door Coordinator.....	71.38	4.87
			<i>For Anodized Aluminum Finish, Deduct</i>	-20.77	
08 71 23 00-2429	EA		CB1 Carry Bar For Door Coordinator.....	48.37	4.87
			<i>For Anodized Aluminum Finish, Deduct</i>	-11.57	
08 71 23 00-2430	EA		7" Projection COR Series Gravity Type Door Coordinator.....	71.13	7.29
			<i>For Anodized Aluminum Finish, Deduct</i>	-16.78	
08 71 23 00-2431	EA		9" Projection COR Series Gravity Type Door Coordinator.....	77.85	7.29
			<i>For Anodized Aluminum Finish, Deduct</i>	-19.47	
08 71 23 00-2432			Removal And Reinstallation Of Door Hardware (08 71 23)		
			Note: Includes storage and cleaning.		
08 71 23 00-2433	EA		Removal And Reinstallation Of Door Lockset, Entrance.....	29.17	
08 71 23 00-2434	EA		Removal And Reinstallation Of Door Lockset, Mortise.....	46.68	
08 71 23 00-2435	EA		Removal And Reinstallation Of Deadbolt Lock.....	31.12	
08 71 23 00-2436	PR		Removal And Reinstallation Of Butts/Hinges.....	7.78	
08 71 23 00-2437	EA		Removal And Reinstallation Of Door Bumper.....	2.73	
08 71 23 00-2438	EA		Removal And Reinstallation Of Surface Mounted Panic Device.....	77.79	
08 71 23 00-2439	EA		Removal And Reinstallation Of Kick Plate.....	9.72	
08 71 23 00-2440	EA		Removal And Reinstallation Of Push Plate.....	7.78	
08 71 23 00-2441	EA		Removal And Reinstallation Of Surface Mounted Door Closer Or Holder.....	38.90	
08 71 23 00-2442	EA		Removal And Reinstallation Of Door Handles.....	5.84	
08 71 23 00-2443			Electromagnetic Door Release (08 71 23)		
08 71 23 00-2444	EA		Electro-Magnetic Door Release, Wall Mount, Surface 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	267.10	24.51
08 71 23 00-2445	EA		Electro-Magnetic Door Release, Wall Mount, Recessed 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	258.75	24.51
08 71 23 00-2446	EA		Electro-Magnetic Door Release, Wall Mount, Recessed, Adjustable 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	300.84	24.51
08 71 23 00-2447	EA		Electro-Magnetic Door Release, Wall Mount, Surface Or Recessed, High Hold 24 Volt AC/DC.....	549.28	24.51
08 71 23 00-2448	EA		Electro-Magnetic Door Release, Sliding Door 24 Volt DC.....	527.13	24.51
08 71 23 00-2449	EA		Electro-Magnetic Door Release, Overhead Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	527.13	24.51
08 71 23 00-2450	EA		Electro-Magnetic Door Release, Floor Mount, Single Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	472.94	24.51
08 71 23 00-2451	EA		Electro-Magnetic Door Release, Floor Mount, Back-to-Back Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	609.94	24.51
08 71 23 00-2452	EA		Photo Electric Smoke Detector Suitable For Door Holder Release.....	564.79	24.51
08 71 23 00-2453	EA		Ionization Type Smoke Detector Suitable For Door Holder Release.....	718.91	24.51
08 71 33			Weatherstripping And Seals (08 71)		
08 71 33 00-0001			Weather-Stripping And Seals (08 71 33)		
08 71 33 00-0002			Astragals (08 71 33 00-0001)		
			Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 71 33 00-0003			Adhesive Backed Astragals (08 71 33 00-0002)		
08 71 33 00-0004	LF		7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771).....	2.99	0.29
08 71 33 00-0005	LF		1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772).....	3.41	0.29
08 71 33 00-0006	LF		1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110).....	2.44	0.29
08 71 33 00-0007			Overlapping Astragals (08 71 33 00-0002)		
08 71 33 00-0008			Aluminum, Overlapping Astragals (08 71 33 00-0007)		
08 71 33 00-0009	LF		2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C).....	10.51	1.75
			<i>For Color Anodized Finish, Add</i>	2.12	
08 71 33 00-0010			Stainless Steel, Overlapping Astragals (08 71 33 00-0007)		
08 71 33 00-0011	LF		2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS).....	25.57	1.75
08 71 33 00-0012			"T" Astragals (08 71 33 00-0002)		
08 71 33 00-0013			Aluminum, "T" Astragals (08 71 33 00-0012)		
08 71 33 00-0014	LF		1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A).....	5.35	1.75
			<i>For Color Anodized Finish, Add</i>	0.67	
08 71 33 00-0015	LF		Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV).....	7.83	1.75
			<i>For Color Anodized Finish, Add</i>	0.88	
08 71 33 00-0016	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP).....	8.22	1.75
			<i>For Color Anodized Finish, Add</i>	1.67	
			<i>For Silicone Insert, Add</i>	0.63	
08 71 33 00-0017	LF		Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR).....	18.83	1.75
			<i>For Color Anodized Finish, Add</i>	5.38	
08 71 33 00-0018			Brass/Bronze, "T" Astragals (08 71 33 00-0012)		
08 71 33 00-0019	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP).....	48.93	1.75
			<i>For Silicone Insert, Add</i>	0.63	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0020 Locking Astragals (08 71 33 00-0002)		
08 71 33 00-0021 Outswing Locking Astragals (08 71 33 00-0020) Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 71 33 00-0022 Aluminum, Outswing Locking Astragals (08 71 33 00-0021)		
08 71 33 00-0023 LF Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS) 26.64	26.64	1.75
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
For Color Anodized Finish, Add	4.64	
08 71 33 00-0024 LF Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS) 31.61	31.61	1.75
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
For Color Anodized Finish, Add	5.63	
08 71 33 00-0025 LF Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ) 30.41	30.41	1.75
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
For Thermal Break, Add	1.62	
08 71 33 00-0026 LF Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ) 34.45	34.45	1.75
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
For Thermal Break, Add	1.86	
08 71 33 00-0027 Inswing Locking Astragals (08 71 33 00-0020) Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 71 33 00-0028 Wood, Inswing Locking Astragals (08 71 33 00-0027)		
08 71 33 00-0029 LF Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832) 31.92	31.92	1.75
08 71 33 00-0030 LF Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q) 31.74	31.74	1.75
Note: Includes kerf-in foam seal.		
08 71 33 00-0031 Aluminum, Inswing Locking Astragals (08 71 33 00-0027)		
08 71 33 00-0032 LF Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV) 16.22	16.22	1.75
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
For Silicone Insert, Add	0.63	
For Color Anodized Finish, Add	2.55	
08 71 33 00-0033 LF Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV) 20.38	20.38	1.75
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
For Silicone Insert, Add	0.63	
For Color Anodized Finish, Add	3.39	
08 71 33 00-0034 LF Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ) 17.80	17.80	1.75
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
For Magnetic Kerf-In Insert, Add	0.47	
For Color Anodized Finish, Add	2.87	
08 71 33 00-0035 LF Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ) 21.91	21.91	1.75
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
For Magnetic Kerf-In Insert, Add	0.47	
For Color Anodized Finish, Add	3.69	
08 71 33 00-0036 Security Astragals (08 71 33 00-0002)		
08 71 33 00-0037 LF Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C) 14.84	14.84	1.75
For Color Anodized Finish, Add	11.39	
08 71 33 00-0038 LF 2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP) 27.92	27.92	1.75
08 71 33 00-0039 Meeting Stile Astragals (08 71 33 00-0002)		
08 71 33 00-0040 One Piece, Meeting Stile Astragals (08 71 33 00-0039) Note: Includes an astragal for one door only.		
08 71 33 00-0041 LF 1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP) 7.69	7.69	1.75
For Color Anodized Finish, Add	1.27	
08 71 33 00-0042 LF 1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN) 12.25	12.25	2.60
For Color Anodized Finish, Add	2.82	
08 71 33 00-0043 LF 9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN) 18.40	18.40	2.60
For Color Anodized Finish, Add	1.32	
08 71 33 00-0044 LF 15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN) 19.19	19.19	2.60
For Color Anodized Finish, Add	3.50	
08 71 33 00-0045 LF 1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71) 25.70	25.70	2.60
08 71 33 00-0046 Two Piece, Meeting Stile Split Astragals (08 71 33 00-0039) Note: Includes one astragal for each door.		
08 71 33 00-0047 LF 1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV) 8.44	8.44	2.60
For Silicone Insert, Add	0.95	
For Color Anodized Finish, Add	3.25	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0048	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	8.44	2.60
			<i>For Color Anodized Finish, Add</i>	3.25	
08 71 33 00-0049	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	8.44	2.60
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	3.25	
08 71 33 00-0050	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	17.05	2.60
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	2.37	
08 71 33 00-0051	LF		3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB).....	12.82	2.60
			<i>For Color Anodized Finish, Add</i>	3.05	
08 71 33 00-0052	LF		5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB).....	13.38	2.60
			<i>For Color Anodized Finish, Add</i>	3.28	
08 71 33 00-0053	LF		1/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	17.62	2.60
			<i>For Color Anodized Finish, Add</i>	6.22	
			<i>For Silicone Insert, Add</i>	0.95	
08 71 33 00-0054	LF		3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB).....	18.18	2.60
			<i>For Color Anodized Finish, Add</i>	5.20	
08 71 33 00-0055	LF		5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB).....	18.75	2.60
			<i>For Color Anodized Finish, Add</i>	5.42	
08 71 33 00-0056			Two Piece, Adjustable Meeting Stile Split Astragals (08 71 33 00-0039) Note: Includes one astragal for each door.		
08 71 33 00-0057			Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 71 33 00-0056)		
08 71 33 00-0058	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	38.81	2.60
			<i>For Color Anodized Finish, Add</i>	8.41	
			<i>For Silicone Insert, Add</i>	0.63	
08 71 33 00-0059	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	39.69	2.60
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	6.90	
08 71 33 00-0060			Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 71 33 00-0056)		
08 71 33 00-0061	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	159.22	2.60
			<i>For Silicone Insert, Add</i>	0.63	
08 71 33 00-0062	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP).....	148.45	2.60
			<i>For Silicone Insert, Add</i>	0.63	
08 71 33 00-0063			Door Sweeps (08 71 33 00-0001)		
08 71 33 00-0064			Tack On Door Sweeps (08 71 33 00-0063)		
08 71 33 00-0065	LF		For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	2.93	0.97
08 71 33 00-0066	LF		For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364).....	3.02	0.97
08 71 33 00-0067	LF		For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	3.27	0.97
08 71 33 00-0068			Aluminum Retainer Door Sweeps (08 71 33 00-0063)		
08 71 33 00-0069			35 Degree, Aluminum Retainer Door Sweeps (08 71 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 71 33 00-0070	LF		5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB).....	7.99	1.94
			<i>For Color Anodized Finish, Add</i>	1.64	
08 71 33 00-0071	LF		1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB).....	8.41	1.94
			<i>For Color Anodized Finish, Add</i>	1.58	
08 71 33 00-0072			45 Degree, Aluminum Retainer Door Sweeps (08 71 33 00-0068)		
			Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 71 33 00-0073	LF		1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	15.19	1.94
			<i>For Color Anodized Finish, Add</i>	4.52	
08 71 33 00-0074	LF		2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	16.88	1.94
			<i>For Color Anodized Finish, Add</i>	5.20	
08 71 33 00-0075	LF		4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB).....	20.56	1.94
			<i>For Color Anodized Finish, Add</i>	6.67	
08 71 33 00-0076			90 Degree, Aluminum Retainer Door Sweeps (08 71 33 00-0068)		
			Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 71 33 00-0077	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB).....	9.40	1.94
			<i>For Color Anodized Finish, Add</i>	0.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0078	LF		5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB) <i>For Color Anodized Finish, Add</i>	9.26 0.54	1.94
08 71 33 00-0079	LF		1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB) <i>For Color Anodized Finish, Add</i>	10.25 2.23	1.94
08 71 33 00-0080	LF		1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB) <i>For Color Anodized Finish, Add</i>	10.67 2.71	1.94
08 71 33 00-0081	LF		7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)..... <i>For Color Anodized Finish, Add</i>	8.97 1.27	1.94
08 71 33 00-0082	LF		11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)..... <i>For Color Anodized Finish, Add</i>	12.93 1.81	1.94
08 71 33 00-0083	LF		15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)..... <i>For Color Anodized Finish, Add</i>	9.82 1.19	1.94
08 71 33 00-0084	LF		9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV)..... Note: Includes mill finish.	6.11	1.94
08 71 33 00-0085	LF		1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV)..... Note: Includes mill finish.	6.22	1.94
08 71 33 00-0086	LF		1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV)..... Note: Includes mill finish.	7.42	1.94
			<i>For Color Anodized Finish, Add</i>	1.24	
08 71 33 00-0087			180 Degree, Aluminum Retainer Door Sweeps (08 71 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 71 33 00-0088			180 Degree, Aluminum Retainer Door Sweeps (08 71 33 00-0067)		
08 71 33 00-0089	LF		3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB) <i>For Color Anodized Finish, Add</i>	7.70 1.52	1.94
08 71 33 00-0090	LF		5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB) <i>For Color Anodized Finish, Add</i>	7.99 1.64	1.94
08 71 33 00-0091	LF		1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB) <i>For Color Anodized Finish, Add</i>	10.25 2.23	1.94
08 71 33 00-0092			180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps (08 71 33 00-0087)		
08 71 33 00-0093	LF		3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB) <i>For Color Anodized Finish, Add</i>	10.39 2.60	1.94
08 71 33 00-0094	LF		5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB) <i>For Color Anodized Finish, Add</i>	10.67 2.71	1.94
08 71 33 00-0095	LF		1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB) <i>For Color Anodized Finish, Add</i>	11.86 3.19	1.94
08 71 33 00-0096			Mortised, Aluminum Retainer Door Sweeps (08 71 33 00-0068) Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 71 33 00-0097	LF		1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB).....	6.43	1.94
08 71 33 00-0098	LF		13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB).....	6.43	1.94
08 71 33 00-0099	LF		5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB).....	6.57	1.94
08 71 33 00-0100			Aluminum Retainer Door Sweeps With Rain Drip (08 71 33 00-0063)		
08 71 33 00-0101			90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (08 71 33 00-0100) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 71 33 00-0102	LF		1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)..... <i>For Color Anodized Finish, Add</i>	6.15 1.58	1.94
08 71 33 00-0103	LF		1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)..... <i>For Color Anodized Finish, Add</i>	7.99 1.64	1.94
08 71 33 00-0104	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB)..... Note: Includes clear anodized finish.	9.36	1.94
08 71 33 00-0105	LF		7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)..... <i>For Color Anodized Finish, Add</i>	9.61 1.14	1.94
08 71 33 00-0106			Brass/Bronze Retainer Door Sweeps (08 71 33 00-0063)		
08 71 33 00-0107			90 Degree, Brass/Bronze Retainer Door Sweeps (08 71 33 00-0106) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 71 33 00-0108	LF		7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	12.36	1.94
08 71 33 00-0109			Oak Retainer Door Sweeps (08 71 33 00-0063)		
08 71 33 00-0110			90 Degree, Oak Retainer Door Sweeps (08 71 33 00-0109) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 71 33 00-0111	LF		9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB).....	9.12	1.94
08 71 33 00-0112	LF		15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB).....	11.34	1.94
08 71 33 00-0113			Door Shoes And Bottoms (08 71 33 00-0001)		
08 71 33 00-0114			Door Shoes (08 71 33 00-0113)		

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 33 00-0115	Aluminum Retainer Door Shoes (08 71 33 00-0114)		
08 71 33 00-0116	Bottom Mount, Aluminum Retainer Door Shoes (08 71 33 00-0115)		
08 71 33 00-0117	LF Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV).....	7.28	1.94
	For Color Anodized Finish, Add	1.36	
	For Thermo-Plastic Elastomer Insert, Add	0.68	
08 71 33 00-0118	LF Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV).....	7.70	1.94
	For Color Anodized Finish, Add	1.52	
08 71 33 00-0119	LF Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	11.80	1.94
	For Color Anodized Finish, Add	1.58	
08 71 33 00-0120	Side Mount, Aluminum Retainer Door Shoes (08 71 33 00-0115)		
08 71 33 00-0121	LF Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	9.12	1.94
	For Color Anodized Finish, Add	2.09	
	For Thermo-Plastic Elastomer Insert, Add	0.68	
08 71 33 00-0122	L Or U Shaped, Aluminum Retainer Door Shoes (08 71 33 00-0115)		
08 71 33 00-0123	LF Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	7.99	1.94
	For Color Anodized Finish, Add	2.05	
	For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 33 00-0124	LF Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV).....	8.83	1.94
	For Color Anodized Finish, Add	1.98	
	For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 33 00-0125	LF Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV)	9.12	1.94
	For Color Anodized Finish, Add	2.09	
	For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 33 00-0126	LF Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	14.86	1.94
	For Color Anodized Finish, Add	2.19	
08 71 33 00-0127	LF Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV).....	15.14	1.94
	For Color Anodized Finish, Add	2.25	
08 71 33 00-0128	L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes (08 71 33 00-0115)		
08 71 33 00-0129	LF Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	8.27	1.94
	For Color Anodized Finish, Add	2.19	
	For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 33 00-0130	LF Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV).....	9.12	1.94
	For Color Anodized Finish, Add	2.09	
	For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 33 00-0131	LF Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV).....	9.26	1.94
	For Color Anodized Finish, Add	2.15	
	For Thermo-Plastic Elastomer Insert, Add	0.42	
08 71 33 00-0132	Vinyl Door Shoes (08 71 33 00-0114)		
08 71 33 00-0133	LF 1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	11.03	1.94
08 71 33 00-0134	LF 1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	14.25	1.94
08 71 33 00-0135	Door Bottoms (08 71 33 00-0113)		
08 71 33 00-0136	Automatic Door Bottoms (08 71 33 00-0135)		
08 71 33 00-0137	Aluminum Automatic Door Bottoms (08 71 33 00-0136)		
08 71 33 00-0138	LF Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL).....	22.49	1.94
	For Color Anodized Finish, Add	3.72	
08 71 33 00-0139	LF Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL).....	34.13	1.94
	For Color Anodized Finish, Add	6.05	
08 71 33 00-0140	Door Top Protection (08 71 33 00-0001)		
08 71 33 00-0141	LF Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343).....	6.21	1.55
	For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	0.85	
08 71 33 00-0142	LF Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344).....	6.21	1.55
	For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	0.85	
08 71 33 00-0143	LF 2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C).....	7.84	1.55
	For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	1.30	
08 71 33 00-0144	EA For 20 Oz Copper Drip Cap For Exterior Door.....	45.15	
08 71 33 00-0145	Perimeter Gasketing Weather-Strip (08 71 33 00-0001)		
	Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 71 33 00-0146	Adhesive Backed Perimeter Gasketing Weather-Strip (08 71 33 00-0145)		
08 71 33 00-0147	LF 3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	1.97	0.97
	For Intumescent Seal, Add	1.50	
08 71 33 00-0148	LF 1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	2.01	0.97
	For Intumescent Seal, Add	1.50	
08 71 33 00-0149	LF 1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	2.65	0.97
08 71 33 00-0150	LF 7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	2.28	0.97
08 71 33 00-0151	LF 5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	3.37	0.97
	For Intumescent Seal, Add	1.50	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0152	LF		1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773).....	3.04	0.97
			<i>For Intumescent Seal, Add</i>	1.50	
08 71 33 00-0153	LF		7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44).....	4.40	0.97
08 71 33 00-0154	LF		1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	3.98	0.97
08 71 33 00-0155			Kerf-In Perimeter Gasketing Weather-Strip (08 71 33 00-0145)		
08 71 33 00-0156	LF		3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	1.63	0.97
08 71 33 00-0157	LF		7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	3.01	0.97
08 71 33 00-0158	LF		3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	1.96	0.97
08 71 33 00-0159	LF		5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	1.92	0.97
08 71 33 00-0160	LF		3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	2.87	0.97
08 71 33 00-0161			Cushion/Spring Perimeter Gasketing Weather-Strip (08 71 33 00-0145)		
08 71 33 00-0162			Spring Bronze Perimeter Gasketing Weather-Strip (08 71 33 00-0161)		
08 71 33 00-0163	LF		1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	4.88	0.97
08 71 33 00-0164	LF		1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	4.88	0.97
08 71 33 00-0165	LF		1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	5.47	0.97
08 71 33 00-0166	LF		1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	5.59	0.97
08 71 33 00-0167			Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (08 71 33 00-0161)		
08 71 33 00-0168	LF		5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	4.56	0.97
08 71 33 00-0169	LF		7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	5.47	0.97
08 71 33 00-0170	LF		1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	6.46	0.97
08 71 33 00-0171			Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0145)		
08 71 33 00-0172			Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0171)		
08 71 33 00-0173	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	3.56	0.97
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.62	
08 71 33 00-0174	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	3.56	0.97
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.62	
08 71 33 00-0175	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	3.56	0.97
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.62	
08 71 33 00-0176	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	7.87	0.97
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	1.19	
08 71 33 00-0177	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	8.15	0.97
			<i>For Color Anodized Finish, Add</i>	3.11	
			<i>For Silicone Insert, Add</i>	0.95	
08 71 33 00-0178	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	8.15	0.97
			<i>For Color Anodized Finish, Add</i>	2.17	
08 71 33 00-0179			Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0171)		
08 71 33 00-0180			Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0179)		
08 71 33 00-0181	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	7.66	0.97
			<i>For Silicone Insert, Add</i>	0.95	
08 71 33 00-0182			Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0179)		
08 71 33 00-0183	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	8.78	0.97
08 71 33 00-0184			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0145)		
08 71 33 00-0185			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0184)		
08 71 33 00-0186	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	19.60	0.97
			<i>For Silicone Insert, Add</i>	1.58	
08 71 33 00-0187	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	35.41	0.97
08 71 33 00-0188			Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0184)		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0189			Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0188)</small>		
08 71 33 00-0190	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	30.15	0.97
			<i>For Silicone Insert, Add</i>	0.63	
08 71 33 00-0191			Aluminum Interlock, Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0145)</small>		
08 71 33 00-0192	LF		Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A).....	9.74	1.94
			Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i>	2.34	
08 71 33 00-0193	LF		Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR).....	10.23	1.94
			Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i>	2.54	
08 71 33 00-0194			Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0145)</small>		
			Note: Seals gaps from 1/16" to 1/4".		
08 71 33 00-0195	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	15.86	0.97
			<i>For Color Anodized Finish, Add</i>	2.78	
08 71 33 00-0196	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR).....	16.85	0.97
			<i>For Color Anodized Finish, Add</i>	2.98	
08 71 43			Thresholds <small>(08 71)</small>		
08 71 43 00-0001			Thresholds <small>(08 71 43)</small>		
			Note: Includes material, fasteners, installation, caulk and sealants.		
08 71 43 00-0002			Metal Thresholds <small>(08 71 43 00-0001)</small>		
08 71 43 00-0003			Saddle Thresholds <small>(08 71 43 00-0002)</small>		
08 71 43 00-0004			Aluminum Saddle Thresholds <small>(08 71 43 00-0003)</small>		
			Note: Includes mill finish.		
08 71 43 00-0005			3/16" Height, Aluminum Saddle Thresholds <small>(08 71 43 00-0004)</small>		
08 71 43 00-0006	LF		2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	13.14	3.11
			<i>For Color Anodized Finish, Add</i>	2.15	
08 71 43 00-0007			1/4" Height, Aluminum Saddle Thresholds <small>(08 71 43 00-0004)</small>		
08 71 43 00-0008	LF		3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	15.54	3.11
			<i>For Color Anodized Finish, Add</i>	3.11	
08 71 43 00-0009	LF		4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	17.34	3.89
			<i>For Color Anodized Finish, Add</i>	5.34	
08 71 43 00-0010	LF		5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	20.03	3.89
			<i>For Color Anodized Finish, Add</i>	5.16	
08 71 43 00-0011	LF		6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	23.27	3.89
			<i>For Color Anodized Finish, Add</i>	4.75	
08 71 43 00-0012	LF		7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	28.07	3.89
			<i>For Color Anodized Finish, Add</i>	4.59	
08 71 43 00-0013	LF		8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	33.69	4.66
			<i>For Color Anodized Finish, Add</i>	5.51	
08 71 43 00-0014	LF		9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	36.94	4.66
			<i>For Color Anodized Finish, Add</i>	6.32	
08 71 43 00-0015	LF		10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	42.12	4.66
			<i>For Color Anodized Finish, Add</i>	7.62	
08 71 43 00-0016			5/16" Height, Aluminum Saddle Thresholds <small>(08 71 43 00-0004)</small>		
08 71 43 00-0017	LF		2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	15.11	3.11
			<i>For Color Anodized Finish, Add</i>	2.57	
08 71 43 00-0018			1/2" Height, Aluminum Saddle Thresholds <small>(08 71 43 00-0004)</small>		
08 71 43 00-0019	LF		3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	15.26	3.11
			<i>For Color Anodized Finish, Add</i>	3.75	
08 71 43 00-0020	LF		4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	18.47	3.89
			<i>For Color Anodized Finish, Add</i>	6.13	
08 71 43 00-0021	LF		5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	21.22	3.89
			<i>For Color Anodized Finish, Add</i>	5.76	
08 71 43 00-0022	LF		6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	23.55	3.89
			<i>For Color Anodized Finish, Add</i>	4.84	
08 71 43 00-0023	LF		7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	28.07	3.89
			<i>For Color Anodized Finish, Add</i>	4.59	
08 71 43 00-0024	LF		8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	35.39	4.66
			<i>For Color Anodized Finish, Add</i>	8.31	
08 71 43 00-0025	LF		9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	38.35	4.66
			<i>For Color Anodized Finish, Add</i>	10.68	
08 71 43 00-0026	LF		10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	41.32	4.66
			<i>For Color Anodized Finish, Add</i>	11.86	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0027 Brass/Bronze Saddle Thresholds (08 71 43 00-0003)		
08 71 43 00-0028 3/16" Height, Brass/Bronze Saddle Thresholds (08 71 43 00-0027)		
08 71 43 00-0029 LF 2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	55.79	3.11
08 71 43 00-0030 1/4" Height, Brass/Bronze Saddle Thresholds (08 71 43 00-0027)		
08 71 43 00-0031 LF 3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	92.51	3.11
08 71 43 00-0032 LF 4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	111.40	3.89
08 71 43 00-0033 LF 5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	136.83	3.89
08 71 43 00-0034 LF 6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	161.54	3.89
08 71 43 00-0035 LF 7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	189.79	3.89
08 71 43 00-0036 LF 8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	244.71	4.66
08 71 43 00-0037 1/2" Height, Brass/Bronze Saddle Thresholds (08 71 43 00-0027)		
08 71 43 00-0038 LF 4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	122.70	3.89
08 71 43 00-0039 LF 5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	150.95	3.89
08 71 43 00-0040 LF 6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	179.20	3.89
08 71 43 00-0041 LF 7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	214.51	3.89
08 71 43 00-0042 LF 8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	307.09	4.66
08 71 43 00-0043 LF 10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	290.89	4.66
08 71 43 00-0044 Stainless Steel Saddle Thresholds (08 71 43 00-0003)		
08 71 43 00-0045 1/2" Height, Stainless Steel Saddle Thresholds (08 71 43 00-0044)		
08 71 43 00-0046 LF 4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	101.52	3.89
08 71 43 00-0047 LF 5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	108.58	3.89
08 71 43 00-0048 Half Saddle Thresholds (08 71 43 00-0002)		
08 71 43 00-0049 Aluminum Half Saddle Thresholds (08 71 43 00-0048)		
Note: Includes mill finish.		
08 71 43 00-0050 3/4" Height, Aluminum Half Saddle Thresholds (08 71 43 00-0049)		
08 71 43 00-0051 LF 5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	23.88	3.89
<i>For Color Anodized Finish, Add</i>		
	5.67	
08 71 43 00-0052 LF 7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	34.14	3.89
<i>For Color Anodized Finish, Add</i>		
	2.44	
08 71 43 00-0053 Offset Saddle Thresholds (08 71 43 00-0002)		
08 71 43 00-0054 Aluminum Offset Saddle Thresholds (08 71 43 00-0053)		
Note: Includes mill finish.		
08 71 43 00-0055 1/2" Height, Aluminum Offset Saddle Thresholds (08 71 43 00-0054)		
08 71 43 00-0056 LF 5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	23.98	3.89
<i>For Color Anodized Finish, Add</i>		
	7.14	
08 71 43 00-0057 LF 7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	27.65	3.89
<i>For Color Anodized Finish, Add</i>		
	6.28	
08 71 43 00-0058 3/4" Height, Aluminum Offset Saddle Thresholds (08 71 43 00-0054)		
08 71 43 00-0059 LF 5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	23.98	3.89
<i>For Color Anodized Finish, Add</i>		
	7.14	
08 71 43 00-0060 1" Height, Aluminum Offset Saddle Thresholds (08 71 43 00-0054)		
08 71 43 00-0061 LF 7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	29.06	3.89
<i>For Color Anodized Finish, Add</i>		
	6.77	
08 71 43 00-0062 Modular Ramp Thresholds (08 71 43 00-0001)		
Note: Includes mill finish.		
08 71 43 00-0063 Flush, Aluminum Modular Ramp Thresholds (08 71 43 00-0062)		
08 71 43 00-0064 LF 6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	28.24	3.89
<i>For Non-Slip Surfacing, Add</i>		
	61.41	
08 71 43 00-0065 LF 9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	36.57	4.28
<i>For Non-Slip Surfacing, Add</i>		
	78.46	
08 71 43 00-0066 LF 12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	47.83	4.86
<i>For Non-Slip Surfacing, Add</i>		
	106.74	
08 71 43 00-0067 LF 15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	63.39	5.05
<i>For Non-Slip Surfacing, Add</i>		
	143.88	
08 71 43 00-0068 LF 18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	74.80	5.44
<i>For Non-Slip Surfacing, Add</i>		
	191.76	
08 71 43 00-0069 LF 21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	94.31	6.03
<i>For Non-Slip Surfacing, Add</i>		
	213.88	
08 71 43 00-0070 LF 24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	105.44	6.60
<i>For Non-Slip Surfacing, Add</i>		
	239.80	
08 71 43 00-0071 LF 28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	111.87	7.00
<i>For Non-Slip Surfacing, Add</i>		
	244.70	

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0072			3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 71 43 00-0062)		
08 71 43 00-0073	LF		12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA).....	51.74	4.86
			<i>For Non-Slip Surfacing, Add</i>	113.48	
08 71 43 00-0074	LF		15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA).....	62.24	5.05
			<i>For Non-Slip Surfacing, Add</i>	140.75	
08 71 43 00-0075	LF		18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA).....	78.96	5.83
			<i>For Non-Slip Surfacing, Add</i>	174.98	
08 71 43 00-0076	LF		22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA).....	94.26	6.22
			<i>For Non-Slip Surfacing, Add</i>	212.73	
08 71 43 00-0077	LF		25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA).....	109.48	6.60
			<i>For Non-Slip Surfacing, Add</i>	250.30	
08 71 43 00-0078	LF		28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA).....	120.23	7.00
			<i>For Non-Slip Surfacing, Add</i>	276.22	
08 71 43 00-0079	LF		31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA).....	150.03	7.39
			<i>For Non-Slip Surfacing, Add</i>	351.68	
08 71 43 00-0080			7" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 71 43 00-0062)		
08 71 43 00-0081	LF		16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA).....	60.72	5.25
			<i>For Non-Slip Surfacing, Add</i>	140.62	
08 71 43 00-0082	LF		19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA).....	71.98	5.83
			<i>For Non-Slip Surfacing, Add</i>	168.90	
08 71 43 00-0083	LF		22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA).....	87.93	6.22
			<i>For Non-Slip Surfacing, Add</i>	203.82	
08 71 43 00-0084	LF		25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA).....	99.33	6.60
			<i>For Non-Slip Surfacing, Add</i>	232.52	
08 71 43 00-0085	LF		28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA).....	118.45	7.00
			<i>For Non-Slip Surfacing, Add</i>	271.60	
08 71 43 00-0086	LF		31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA).....	129.20	7.39
			<i>For Non-Slip Surfacing, Add</i>	297.52	
08 71 43 00-0087	LF		35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA).....	150.81	7.77
			<i>For Non-Slip Surfacing, Add</i>	338.15	
08 71 43 00-0088			Accessories For Aluminum Modular Ramp Thresholds (08 71 43 00-0062)		
08 71 43 00-0089			Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds (08 71 43 00-0088)		
08 71 43 00-0090	PR		Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds.....	161.54	4.86
			<i>For Non-Slip Surfacing, Add</i>	18.22	
08 71 43 00-0091	PR		>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds.....	254.53	4.86
			<i>For Non-Slip Surfacing, Add</i>	29.38	
08 71 43 00-0092	PR		>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds.....	510.30	6.80
			<i>For Non-Slip Surfacing, Add</i>	59.60	
08 71 43 00-0093			Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds (08 71 43 00-0088)		
08 71 43 00-0094	PR		Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds.....	161.54	4.86
			<i>For Non-Slip Surfacing, Add</i>	18.22	
08 71 43 00-0095	PR		>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds.....	254.53	4.86
			<i>For Non-Slip Surfacing, Add</i>	29.38	
08 71 43 00-0096	PR		>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds.....	510.30	6.80
			<i>For Non-Slip Surfacing, Add</i>	59.60	
08 71 43 00-0097			Latching Panic Exit Saddle Thresholds (08 71 43 00-0001)		
			Note: Includes vinyl or pile seal.		
08 71 43 00-0098			Aluminum, Latching Panic Exit Saddle Thresholds (08 71 43 00-0097)		
			Note: Includes mill finish.		
08 71 43 00-0099			Aluminum, Latching Panic Exit Saddle Thresholds (08 71 43 00-0098)		
08 71 43 00-0100			7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 71 43 00-0099)		
08 71 43 00-0101	LF		4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP).....	31.32	3.89
			<i>For Thermoseal, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	7.56	
08 71 43 00-0102	LF		5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP).....	24.12	3.89
			<i>For Thermoseal, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	7.21	
08 71 43 00-0103	LF		6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP).....	35.84	3.89
			<i>For Thermoseal, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	9.15	
08 71 43 00-0104	LF		7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP).....	37.82	3.89
			<i>For Thermoseal, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	9.84	
08 71 43 00-0105			1" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 71 43 00-0099)		
08 71 43 00-0106	LF		3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP).....	22.42	3.89
			<i>For Thermoseal, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	6.36	
08 71 43 00-0107	LF		5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP).....	24.40	3.89
			<i>For Thermoseal, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	7.35	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0108 Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 71 43 00-0098)		
08 71 43 00-0109 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 71 43 00-0108)		
08 71 43 00-0110 LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)	26.52	3.89
For Thermoseal, Add	0.63	
For Color Anodized Finish, Add	6.72	
08 71 43 00-0111 LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)	28.35	3.89
For Thermoseal, Add	0.63	
For Color Anodized Finish, Add	7.46	
08 71 43 00-0112 LF 6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	31.04	3.89
For Thermoseal, Add	0.63	
For Color Anodized Finish, Add	7.47	
08 71 43 00-0113 LF 7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	34.07	3.89
For Thermoseal, Add	0.63	
For Color Anodized Finish, Add	8.53	
08 71 43 00-0114 Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0097)		
08 71 43 00-0115 Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0114)		
08 71 43 00-0116 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0115)		
08 71 43 00-0117 LF 4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	180.61	3.89
For Thermoseal, Add	0.63	
08 71 43 00-0118 LF 5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	166.49	3.89
For Thermoseal, Add	0.63	
08 71 43 00-0119 LF 6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	245.58	3.89
For Thermoseal, Add	0.63	
08 71 43 00-0120 LF 7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	218.18	3.89
For Thermoseal, Add	0.63	
08 71 43 00-0121 1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0115)		
08 71 43 00-0122 LF 5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	177.50	3.89
For Thermoseal, Add	0.63	
08 71 43 00-0123 Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0114)		
08 71 43 00-0124 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0123)		
08 71 43 00-0125 LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	179.34	4.28
For Thermoseal, Add	0.63	
08 71 43 00-0126 LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	189.09	4.28
For Thermoseal, Add	0.63	
08 71 43 00-0127 LF 6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	241.77	4.28
For Thermoseal, Add	0.63	
08 71 43 00-0128 LF 7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	217.43	4.47
For Thermoseal, Add	0.63	
08 71 43 00-0129 Carpet Separator Thresholds (08 71 43 00-0001)		
08 71 43 00-0130 Aluminum, Carpet Separator Thresholds (08 71 43 00-0129) Note: Includes mill finish.		
08 71 43 00-0131 3/8" Height, Aluminum, Carpet Separator Thresholds (08 71 43 00-0130)		
08 71 43 00-0132 LF 2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	16.39	3.11
For Color Anodized Finish, Add	3.45	
08 71 43 00-0133 7/16" Height, Aluminum, Carpet Separator Thresholds (08 71 43 00-0130)		
08 71 43 00-0134 LF 1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	12.73	2.73
For Color Anodized Finish, Add	2.08	
08 71 43 00-0135 LF 4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	20.30	3.11
For Color Anodized Finish, Add	4.24	
08 71 43 00-0136 LF 6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	26.24	3.11
For Color Anodized Finish, Add	6.61	
08 71 43 00-0137 1/2" Height, Aluminum, Carpet Separator Thresholds (08 71 43 00-0130)		
08 71 43 00-0138 LF 1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	10.90	2.73
For Color Anodized Finish, Add	1.03	

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 43 00-0139	3/4" Height, Aluminum, Carpet Separator Thresholds (08 71 43 00-0130)		
08 71 43 00-0140	LF 1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A).....	12.73	2.73
	<i>For Color Anodized Finish, Add</i>	1.78	
08 71 43 00-0141	LF 3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A).....	20.73	3.89
	<i>For Color Anodized Finish, Add</i>	4.41	
08 71 43 00-0142	LF 4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A).....	22.42	3.89
	<i>For Color Anodized Finish, Add</i>	3.81	
08 71 43 00-0143	Brass/Bronze, Carpet Separator Thresholds (08 71 43 00-0129)		
08 71 43 00-0144	3/8" Height, Brass/Bronze, Carpet Separator Thresholds (08 71 43 00-0143)		
08 71 43 00-0145	LF 2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	94.07	3.11
08 71 43 00-0146	7/16" Height, Brass/Bronze, Carpet Separator Thresholds (08 71 43 00-0143)		
08 71 43 00-0147	LF 1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	129.15	2.73
08 71 43 00-0148	LF 4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	112.11	3.89
08 71 43 00-0149	Vinyl Transition Thresholds (08 71 43 00-0001)		
	Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 71 43 00-0150	Carpet To Carpet, Vinyl Transition Thresholds (08 71 43 00-0149)		
	Note: Serves as a transition where carpet meets carpet beneath a door.		
08 71 43 00-0151	LF 2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	21.56	3.11
08 71 43 00-0152	Carpet To Tile, Vinyl Transition Thresholds (08 71 43 00-0149)		
	Note: Serves as a transition where carpet meets tile beneath a door.		
08 71 43 00-0153	LF 2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	21.56	3.11
08 71 43 00-0154	Carpet To Concrete, Vinyl Transition Thresholds (08 71 43 00-0149)		
	Note: Serves as a transition where carpet meets concrete beneath a door.		
08 71 43 00-0155	LF 3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	21.45	3.89
08 71 43 00-0156	Carpet To VCT Tile, Vinyl Transition Thresholds (08 71 43 00-0149)		
	Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 71 43 00-0157	LF 3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	23.74	3.89
08 71 43 00-0158	Residential Thresholds (08 71 43 00-0001)		
08 71 43 00-0159	Wood Residential Thresholds (08 71 43 00-0158)		
08 71 43 00-0160	LF 1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	7.45	1.94
08 71 43 00-0161	LF 1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	7.92	1.94
08 71 43 00-0162	LF 3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	12.37	2.07
08 71 43 00-0163	LF 3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	12.42	2.15
08 71 43 00-0164	LF 5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	22.00	2.21
08 71 43 00-0165	Vinyl Top, Wood Residential Thresholds (08 71 43 00-0158)		
08 71 43 00-0166	LF 1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	10.04	1.94
08 71 43 00-0167	LF 3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	12.85	2.15
08 71 43 00-0168	LF 3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	29.37	2.15
08 71 43 00-0169	Vinyl Top, Aluminum Residential Thresholds (08 71 43 00-0158)		
08 71 43 00-0170	LF 1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	10.09	1.94
	<i>For Color Anodized Finish, Add</i>	2.09	
08 71 43 00-0171	LF 3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	12.14	2.15
	<i>For Color Anodized Finish, Add</i>	2.71	
08 71 43 00-0172	LF 3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	13.27	2.15
	<i>For Color Anodized Finish, Add</i>	3.16	
08 71 43 00-0173	Interlocking Residential Thresholds (08 71 43 00-0158)		
08 71 43 00-0174	Aluminum Interlocking Residential Thresholds (08 71 43 00-0173)		
08 71 43 00-0175	1/2" Height, Aluminum Interlocking Residential Thresholds (08 71 43 00-0174)		
08 71 43 00-0176	LF 4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	28.54	2.21
	<i>For Color Anodized Finish, Add</i>	6.91	
08 71 43 00-0177	5/8" Height, Aluminum Interlocking Residential Thresholds (08 71 43 00-0174)		
08 71 43 00-0178	LF 3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	17.18	2.07
	<i>For Color Anodized Finish, Add</i>	3.60	
08 71 43 00-0179	LF 3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	14.82	2.15
	<i>For Color Anodized Finish, Add</i>	4.73	
08 71 43 00-0180	LF 4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	18.09	2.21
	<i>For Color Anodized Finish, Add</i>	3.77	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0181			7/8" Height, Aluminum Interlocking Residential Thresholds (08 71 43 00-0174)		
08 71 43 00-0182	LF		4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A) <i>For Color Anodized Finish, Add</i>	20.35 7.42	2.21
08 71 43 00-0183			Brass/Bronze Interlocking Residential Thresholds (08 71 43 00-0173)		
08 71 43 00-0184			1/2" Height, Brass/Bronze Interlocking Residential Thresholds (08 71 43 00-0183)		
08 71 43 00-0185	LF		4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B)	136.17	2.21
08 71 43 00-0186			5/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 71 43 00-0183)		
08 71 43 00-0187	LF		3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B)	100.70	2.15
08 71 43 00-0188			7/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 71 43 00-0183)		
08 71 43 00-0189	LF		4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	139.70	2.21
08 71 43 00-0190	LF		5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B)	203.41	2.27
08 71 43 00-0191			Residential Door Sills (08 71 43 00-0001)		
08 71 43 00-0192			Fixed Aluminum Residential Door Sills (08 71 43 00-0191)		
08 71 43 00-0193	LF		4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A) <i>For Color Anodized Finish, Add</i>	13.57 4.03	2.21
08 71 43 00-0194	LF		5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A) <i>For Color Anodized Finish, Add</i>	14.83 3.66	2.27
08 71 43 00-0195			Adjustable Aluminum Top, Aluminum Residential Door Sills (08 71 43 00-0191)		
08 71 43 00-0196	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A) <i>For Color Anodized Finish, Add</i>	22.20 5.84	2.21
08 71 43 00-0197	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A) <i>For Color Anodized Finish, Add</i>	22.76 5.98	2.27
08 71 43 00-0198			Adjustable Wood Top, Aluminum Residential Door Sills (08 71 43 00-0191)		
08 71 43 00-0199	LF		3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW) <i>For Color Anodized Finish, Add</i>	22.71 6.07	2.15
08 71 43 00-0200	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW) <i>For Color Anodized Finish, Add</i>	22.88 4.34	2.21
08 71 43 00-0201	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW) <i>For Color Anodized Finish, Add</i>	23.96 4.57	2.27
08 71 43 00-0202			Extenders For Aluminum Residential Door Sills (08 71 43 00-0191)		
08 71 43 00-0203	LF		3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A) <i>For Color Anodized Finish, Add</i>	7.42 2.47	1.94
08 71 43 00-0204	LF		2" Extender For Aluminum Residential Door Sills (Pemko EXT2A) <i>For Color Anodized Finish, Add</i>	8.55 2.33	1.94
08 71 43 00-0205	LF		3" Extender For Aluminum Residential Door Sills (Pemko EXT3A) <i>For Color Anodized Finish, Add</i>	9.68 1.45	1.94
08 71 43 00-0206			Stone Thresholds (08 71 43 00-0001)		
08 71 43 00-0207			Marble Thresholds (08 71 43 00-0206)		
08 71 43 00-0208	LF		2" Width, 5/8" Height, Plain Marble Threshold	7.74	2.58
08 71 43 00-0209	LF		4" Width, 5/8" Height, Plain Marble Threshold	9.24	2.58
08 71 43 00-0210	LF		6" Width, 5/8" Height, Plain Marble Threshold	11.26	2.58
08 71 43 00-0211	LF		4" Width, 7/8" Height, Plain Marble Threshold	15.74	2.58
08 71 43 00-0212	LF		6" Width, 7/8" Height, Plain Marble Threshold	21.05	2.58
08 71 43 00-0213			Corian Thresholds (08 71 43 00-0206)		
08 71 43 00-0214	LF		Up To 5-3/4" Width, Corian Threshold	44.47	3.22
08 71 53			Security Door Hardware (08 71)		
08 71 53 00-0001			Door Exit Alarm Hardware (08 71 53)		
08 71 53 00-0002	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	191.77	14.59
08 71 53 00-0003	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W)	273.95	14.59
08 71 53 00-0004	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300)	226.87	14.59
			Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0005	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W)	299.55	14.59
			Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0006	EA		Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	344.17	19.45
08 71 53 00-0007	EA		Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S)	58.47	19.45
			Note: For use with Detex EAX exit alarms.		

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**08 75 Window Hardware** (08 70)

08 75 00 00-0001	Window Opener Electric, With 1/2 HP Motor (08 75)		
08 75 00 00-0002	EA Gym Window Electronic Opener	988.72	82.85

08 79 Hardware Accessories (08 70)

08 79 00 00-0001	Pad Locks (08 79)		
08 79 00 00-0002	EA Combination Padlock	11.81	1.95
08 79 00 00-0003	EA Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height	32.11	1.95
08 79 00 00-0004	EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height	29.36	1.95
08 79 00 00-0005	EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height	32.77	1.95
08 79 00 00-0006	EA Commercial U-Bar Lock	40.65	1.95
08 79 00 00-0007	EA Weather Tough Padlocks Keyed Alike	33.45	1.95
08 79 00 00-0008	EA High Security Padlocks	29.81	1.95
08 79 00 00-0009	EA Standard Key, Medium Security Padlock Keyed Alike	13.81	1.95

08 79 00 00-0010 Key Cabinet (08 79)

08 79 00 00-0011	Key Cabinets (08 79 00 00-0010)		
08 79 00 00-0012	EA Wall Mounted Key Cabinet, Up To 30 Keys	278.12	7.00
08 79 00 00-0013	EA Wall Mounted Key Cabinet, Up To 60 Keys	377.89	7.77
08 79 00 00-0014	EA Wall Mounted Key Cabinet, Up To 240 Keys	858.19	11.66
08 79 00 00-0015	EA Wall Mounted Key Cabinet, Up To 1,200 Keys	2,237.40	15.55
08 79 00 00-0016	EA Drawer Type Key Cabinet, Up To 600 Keys	2,398.51	10.30
08 79 00 00-0017	EA Drawer Type Key Cabinet, Up To 2,400 Keys	5,445.54	7.77
08 79 00 00-0018	EA Tray Type Key Cabinet, Up To 20 Keys	116.54	3.11
08 79 00 00-0019	EA Tray Type Key Cabinet, Up To 50 Keys	167.12	3.89

08 79 00 00-0020 Key Boxes Wall Mounted On Any Type Wall, With Anchor (08 79 00 00-0010)

08 79 00 00-0021	EA Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High	156.31	5.83
08 79 00 00-0022	EA Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High	178.37	5.83
08 79 00 00-0023	EA Relocate Key Box, Metal, 3" Deep x 10" Wide x 12" High, Including Storage And Cleaning	19.84	
08 79 00 00-0024	EA Relocate Heavy Duty Key Box, With Combo Lock Door, Including Storage And Cleaning	44.73	

08 80 Glazing (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 Glass Glazing (08 80)

08 81 23 Exterior Glass Glazing (08 81)

08 81 23 13 Factory Installed Glass Glazing (08 81 23)

08 81 23 13-0001 Clear Float Factory Installed Glass (08 81 23 13)

08 81 23 13-0002 Clear Float Factory Installed Glass (08 81 23 13-0001)

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF 1/8" Thick, Clear Float Factory Installed Glass	1.93	
	For >50 To 200, Deduct	-0.06	
	For >200 To 400, Deduct	-0.12	
	For >400, Deduct	-0.17	
	For Tinted Glass, Add	0.48	
	For Reflective Coated Glass, Add	0.87	
	For Low-E Coated Glass, Add	0.48	
08 81 23 13-0004	SF 3/16" Thick, Clear Float Factory Installed Glass	2.07	
	For >50 To 200, Deduct	-0.06	
	For >200 To 400, Deduct	-0.12	
	For >400, Deduct	-0.19	
	For Tinted Glass, Add	0.52	
	For Reflective Coated Glass, Add	0.93	
	For Low-E Coated Glass, Add	0.52	
08 81 23 13-0005	SF 1/4" Thick, Clear Float Factory Installed Glass	2.50	
	For >50 To 200, Deduct	-0.08	
	For >200 To 400, Deduct	-0.15	
	For >400, Deduct	-0.23	
	For Tinted Glass, Add	0.63	
	For Reflective Coated Glass, Add	1.13	
	For Low-E Coated Glass, Add	0.63	
08 81 23 13-0006	SF 5/16" Thick, Clear Float Factory Installed Glass	4.16	
	For >50 To 200, Deduct	-0.12	
	For >200 To 400, Deduct	-0.25	
	For >400, Deduct	-0.37	
	For Tinted Glass, Add	1.04	
	For Reflective Coated Glass, Add	1.87	
	For Low-E Coated Glass, Add	1.04	



Openings	08	
Glazing	08 80	08
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0007 SF 3/8" Thick, Clear Float Factory Installed Glass.....	6.06	
For >50 To 200, Deduct	-0.18	
For >200 To 400, Deduct	-0.36	
For >400, Deduct	-0.55	
For Tinted Glass, Add	1.52	
For Reflective Coated Glass, Add	2.73	
For Low-E Coated Glass, Add	1.52	
08 81 23 13-0008 SF 1/2" Thick, Clear Float Factory Installed Glass.....	6.66	
For >50 To 200, Deduct	-0.20	
For >200 To 400, Deduct	-0.40	
For >400, Deduct	-0.60	
For Tinted Glass, Add	1.67	
For Reflective Coated Glass, Add	3.00	
For Low-E Coated Glass, Add	1.67	
08 81 23 13-0009 SF 5/8" Thick, Clear Float Factory Installed Glass.....	7.96	
For >50 To 200, Deduct	-0.24	
For >200 To 400, Deduct	-0.48	
For >400, Deduct	-0.72	
For Tinted Glass, Add	1.99	
For Reflective Coated Glass, Add	3.58	
For Low-E Coated Glass, Add	1.99	
08 81 23 13-0010 SF 3/4" Thick, Clear Float Factory Installed Glass.....	9.83	
For >50 To 200, Deduct	-0.29	
For >200 To 400, Deduct	-0.59	
For >400, Deduct	-0.88	
For Tinted Glass, Add	2.46	
For Reflective Coated Glass, Add	4.42	
For Low-E Coated Glass, Add	2.46	
08 81 23 13-0011 Heat Treated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0012 Tempered, Clear Float Factory Installed Glass (08 81 23 13-0011)		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013 SF 1/8" Thick, Tempered, Clear Float Factory Installed Glass.....	2.79	
For >50 To 200, Deduct	-0.08	
For >200 To 400, Deduct	-0.17	
For >400, Deduct	-0.25	
For Tinted Glass, Add	0.70	
For Reflective Coated Glass, Add	1.26	
For Low-E Coated Glass, Add	0.70	
08 81 23 13-0014 SF 3/16" Thick, Tempered, Clear Float Factory Installed Glass.....	2.99	
For >50 To 200, Deduct	-0.09	
For >200 To 400, Deduct	-0.18	
For >400, Deduct	-0.27	
For Tinted Glass, Add	0.75	
For Reflective Coated Glass, Add	1.35	
For Low-E Coated Glass, Add	0.75	
08 81 23 13-0015 SF 1/4" Thick, Tempered, Clear Float Factory Installed Glass.....	3.63	
For >50 To 200, Deduct	-0.11	
For >200 To 400, Deduct	-0.22	
For >400, Deduct	-0.33	
For Tinted Glass, Add	0.91	
For Reflective Coated Glass, Add	1.63	
For Low-E Coated Glass, Add	0.91	
08 81 23 13-0016 SF 5/16" Thick, Tempered, Clear Float Factory Installed Glass.....	6.05	
For >50 To 200, Deduct	-0.18	
For >200 To 400, Deduct	-0.36	
For >400, Deduct	-0.54	
For Tinted Glass, Add	1.51	
For Reflective Coated Glass, Add	2.72	
For Low-E Coated Glass, Add	1.51	
08 81 23 13-0017 SF 3/8" Thick, Tempered, Clear Float Factory Installed Glass.....	8.78	
For >50 To 200, Deduct	-0.26	
For >200 To 400, Deduct	-0.53	
For >400, Deduct	-0.79	
For Tinted Glass, Add	2.20	
For Reflective Coated Glass, Add	3.95	
For Low-E Coated Glass, Add	2.20	
08 81 23 13-0018 SF 1/2" Thick, Tempered, Clear Float Factory Installed Glass.....	9.65	
For >50 To 200, Deduct	-0.29	
For >200 To 400, Deduct	-0.58	
For >400, Deduct	-0.87	
For Tinted Glass, Add	2.41	
For Reflective Coated Glass, Add	4.34	
For Low-E Coated Glass, Add	2.41	
08 81 23 13-0019 SF 5/8" Thick, Tempered, Clear Float Factory Installed Glass.....	11.55	
For >50 To 200, Deduct	-0.35	
For >200 To 400, Deduct	-0.69	
For >400, Deduct	-1.04	
For Tinted Glass, Add	2.89	
For Reflective Coated Glass, Add	5.20	
For Low-E Coated Glass, Add	2.89	
08 81 23 13-0020 SF 3/4" Thick, Tempered, Clear Float Factory Installed Glass.....	14.26	
For >50 To 200, Deduct	-0.43	
For >200 To 400, Deduct	-0.86	
For >400, Deduct	-1.28	
For Tinted Glass, Add	3.57	
For Reflective Coated Glass, Add	6.42	
For Low-E Coated Glass, Add	3.57	

08 Openings**08 80 Glazing****08 81 Glass Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 81 23 13-0021	Patterned Factory Installed Glass (08 81 23 13)		
08 81 23 13-0022	Rough Obscure, Factory Installed Glass (08 81 23 13-0021)		
	Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF 1/4" Thick, Rough Obscure, Factory Installed Glass.....		5.48
08 81 23 13-0024	Patterned, Figured Factory Installed Glass (08 81 23 13-0021)		
	Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF 1/8" Thick, Patterned, Figured Factory Installed Glass.....		3.33
08 81 23 13-0026	SF 7/32" Thick, Patterned, Figured Factory Installed Glass.....		3.33
08 81 23 13-0027	Wired Factory Installed Glass (08 81 23 13)		
08 81 23 13-0028	Square Or Diamond Pattern, Wired Factory Installed Glass (08 81 23 13-0027)		
	Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF 1/4" Thick, Square Pattern, Wired Factory Installed Glass.....		8.61
08 81 23 13-0030	SF 1/4" Thick, Diamond Pattern, Wired Factory Installed Glass.....		8.61
08 81 23 13-0031	Polished, Wired Factory Installed Glass (08 81 23 13-0027)		
08 81 23 13-0032	SF 1/4" Thick, Polished, Wired Factory Installed Glass.....		9.42
08 81 23 13-0033	Frosted Factory Installed Glass (08 81 23 13)		
08 81 23 13-0034	Frosted Factory Installed Glass (08 81 23 13-0033)		
08 81 23 13-0035	SF 1/8" Thick, Frosted Factory Installed Glass.....		4.35
	For >50 To 200, Deduct		-0.13
	For >200 To 400, Deduct		-0.26
	For >400, Deduct		-0.39
08 81 23 13-0036	SF 3/16" Thick, Frosted Factory Installed Glass.....		5.71
	For >50 To 200, Deduct		-0.17
	For >200 To 400, Deduct		-0.34
	For >400, Deduct		-0.51
08 81 23 13-0037	SF 1/4" Thick, Frosted Factory Installed Glass.....		7.22
	For >50 To 200, Deduct		-0.22
	For >200 To 400, Deduct		-0.43
	For >400, Deduct		-0.65
08 81 23 13-0038	SF 3/8" Thick, Frosted Factory Installed Glass.....		10.80
	For >50 To 200, Deduct		-0.32
	For >200 To 400, Deduct		-0.65
	For >400, Deduct		-0.97
08 81 23 13-0039	Fire Rated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0040	Fire Rated Factory Installed Glass (08 81 23 13-0039)		
08 81 23 13-0041	SF 20 Minute, Fire Rated Factory Installed Glass.....		11.82
08 81 23 13-0042	SF 45 Minute, Fire Rated Factory Installed Glass.....		23.54
08 81 23 13-0043	SF 60 Minute, Fire Rated Factory Installed Glass.....		36.38
08 81 23 13-0044	SF 90 Minute, Fire Rated Factory Installed Glass.....		48.15
08 81 23 13-0045	Laminated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0046	Laminated Glass With PVB Interlayer, Factory Installed Glass (08 81 23 13-0045)		
	Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF 1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....		7.67
	For >50 To 200, Deduct		-0.23
	For >200 To 400, Deduct		-0.46
	For >400, Deduct		-0.69
	For Tinted Glass, Add		1.92
	For Reflective Coated Glass, Add		3.45
	For Low-E Coated Glass, Add		1.92
	For One Piece Heat Strengthened Glass, Add		1.53
	For One Piece Fully Tempered Glass, Add		1.53
08 81 23 13-0048	SF 3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....		9.58
	For >50 To 200, Deduct		-0.29
	For >200 To 400, Deduct		-0.57
	For >400, Deduct		-0.86
	For Tinted Glass, Add		2.40
	For Reflective Coated Glass, Add		4.31
	For Low-E Coated Glass, Add		2.40
	For One Piece Heat Strengthened Glass, Add		1.92
	For One Piece Fully Tempered Glass, Add		1.92
08 81 23 13-0049	SF 1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....		13.02
	For >50 To 200, Deduct		-0.39
	For >200 To 400, Deduct		-0.78
	For >400, Deduct		-1.17
	For Tinted Glass, Add		3.26
	For Reflective Coated Glass, Add		5.86
	For Low-E Coated Glass, Add		3.26
	For One Piece Heat Strengthened Glass, Add		2.60
	For One Piece Fully Tempered Glass, Add		2.60



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 13-0050			Insulated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0051			Insulated, Factory Installed Glass (08 81 23 13-0050)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052	SF		1/2" Thick, Insulated Factory Installed Glass 5.55		
			Note: Two 1/8" lites with 1/4" air space.		
			For >50 To 200, Deduct	-0.17	
			For >200 To 400, Deduct	-0.33	
			For >400, Deduct	-0.50	
			For Tinted Glass, Add	1.39	
			For Reflective Coated Glass, Add	2.50	
			For Low-E Coated Glass, Add	1.39	
			For One Piece Heat Strengthened Glass, Add	1.11	
			For One Piece Fully Tempered Glass, Add	1.11	
			For One Piece Obscure Glass, Add	2.36	
			For Argon Gas, Add	1.53	
08 81 23 13-0053	SF		5/8" Thick, Insulated Factory Installed Glass 5.62		
			Note: Two 3/16" lites with 1/4" air space.		
			For >50 To 200, Deduct	-0.17	
			For >200 To 400, Deduct	-0.34	
			For >400, Deduct	-0.51	
			For Tinted Glass, Add	1.41	
			For Reflective Coated Glass, Add	2.53	
			For Low-E Coated Glass, Add	1.41	
			For One Piece Heat Strengthened Glass, Add	1.12	
			For One Piece Fully Tempered Glass, Add	1.12	
			For One Piece Obscure Glass, Add	2.39	
			For Argon Gas, Add	1.55	
08 81 23 13-0054	SF		3/4" Thick, Insulated Factory Installed Glass 5.88		
			Note: Two 1/4" lites with 1/4" air space.		
			For >50 To 200, Deduct	-0.18	
			For >200 To 400, Deduct	-0.35	
			For >400, Deduct	-0.53	
			For Tinted Glass, Add	1.47	
			For Reflective Coated Glass, Add	2.65	
			For Low-E Coated Glass, Add	1.47	
			For One Piece Heat Strengthened Glass, Add	1.18	
			For One Piece Fully Tempered Glass, Add	1.18	
			For One Piece Obscure Glass, Add	2.50	
			For Argon Gas, Add	1.62	
08 81 23 13-0055	SF		1" Thick, Insulated Factory Installed Glass 7.14		
			Note: Two 1/4" lites with 1/2" air space.		
			For >50 To 200, Deduct	-0.21	
			For >200 To 400, Deduct	-0.43	
			For >400, Deduct	-0.64	
			For Tinted Glass, Add	1.79	
			For Reflective Coated Glass, Add	3.21	
			For Low-E Coated Glass, Add	1.79	
			For One Piece Heat Strengthened Glass, Add	1.43	
			For One Piece Fully Tempered Glass, Add	1.43	
			For One Piece Obscure Glass, Add	3.03	
			For Argon Gas, Add	1.96	

08 81 23 23 Field Installed Glass Glazing (08 81 23)

08 81 23 23-0001			Heat Treated Field Installed Glass (08 81 23 23)		
08 81 23 23-0002			Tempered, Clear Float Field Installed Glass (08 81 23 23-0001)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0003	SF		1/8" Thick, Tempered, Clear Float Field Installed Glass 7.64		
			For >50 To 200, Deduct	-0.08	
			For >200 To 400, Deduct	-0.17	
			For >400, Deduct	-0.25	
			For Glass Removal And Preparing Opening For New Glazing, Add	4.85	
			For Tinted Glass, Add	0.70	
			For Reflective Coated Glass, Add	1.26	
			For Low-E Coated Glass, Add	0.70	
08 81 23 23-0004	SF		3/16" Thick, Tempered, Clear Float Field Installed Glass 8.21		
			For >50 To 200, Deduct	-0.09	
			For >200 To 400, Deduct	-0.18	
			For >400, Deduct	-0.27	
			For Glass Removal And Preparing Opening For New Glazing, Add	5.22	
			For Tinted Glass, Add	0.75	
			For Reflective Coated Glass, Add	1.35	
			For Low-E Coated Glass, Add	0.75	
08 81 23 23-0005	SF		1/4" Thick, Tempered, Clear Float Field Installed Glass 9.22		
			For >50 To 200, Deduct	-0.11	
			For >200 To 400, Deduct	-0.22	
			For >400, Deduct	-0.33	
			For Glass Removal And Preparing Opening For New Glazing, Add	5.59	
			For Tinted Glass, Add	0.91	
			For Reflective Coated Glass, Add	1.63	
			For Low-E Coated Glass, Add	0.91	

08 Openings**08 80 Glazing****08 81 Glass Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 81 23 23-0006	SF 5/16" Thick, Tempered, Clear Float Field Installed Glass	12.39
	For >50 To 200, Deduct	-0.18
	For >200 To 400, Deduct	-0.36
	For >400, Deduct	-0.54
	For Glass Removal And Preparing Opening For New Glazing, Add	6.34
	For Tinted Glass, Add	1.51
	For Reflective Coated Glass, Add	2.72
	For Low-E Coated Glass, Add	1.51
08 81 23 23-0007	SF 3/8" Thick, Tempered, Clear Float Field Installed Glass	15.87
	For >50 To 200, Deduct	-0.26
	For >200 To 400, Deduct	-0.53
	For >400, Deduct	-0.79
	For Glass Removal And Preparing Opening For New Glazing, Add	7.09
	For Tinted Glass, Add	2.20
	For Reflective Coated Glass, Add	3.95
	For Low-E Coated Glass, Add	2.20
08 81 23 23-0008	SF 1/2" Thick, Tempered, Clear Float Field Installed Glass	17.48
	For >50 To 200, Deduct	-0.29
	For >200 To 400, Deduct	-0.58
	For >400, Deduct	-0.87
	For Glass Removal And Preparing Opening For New Glazing, Add	7.83
	For Tinted Glass, Add	2.41
	For Reflective Coated Glass, Add	4.34
	For Low-E Coated Glass, Add	2.41
08 81 23 23-0009	SF 5/8" Thick, Tempered, Clear Float Field Installed Glass	21.24
	For >50 To 200, Deduct	-0.35
	For >200 To 400, Deduct	-0.69
	For >400, Deduct	-1.04
	For Glass Removal And Preparing Opening For New Glazing, Add	9.69
	For Tinted Glass, Add	2.89
	For Reflective Coated Glass, Add	5.20
	For Low-E Coated Glass, Add	2.89
08 81 23 23-0010	SF 3/4" Thick, Tempered, Clear Float Field Installed Glass	25.82
	For >50 To 200, Deduct	-0.43
	For >200 To 400, Deduct	-0.86
	For >400, Deduct	-1.28
	For Glass Removal And Preparing Opening For New Glazing, Add	11.56
	For Tinted Glass, Add	3.57
	For Reflective Coated Glass, Add	6.42
	For Low-E Coated Glass, Add	3.57
08 81 23 23-0011	Clear Float Field Installed Glass <small>(08 81 23 23)</small>	
08 81 23 23-0012	Clear Float Field Installed Glass <small>(08 81 23 23-0011)</small>	
	Note: Type I, Class I, Quality Q3.	
08 81 23 23-0013	SF 1/8" Thick, Clear Float Field Installed Glass	6.78
	For >50 To 200, Deduct	-0.06
	For >200 To 400, Deduct	-0.12
	For >400, Deduct	-0.17
	For Glass Removal And Preparing Opening For New Glazing, Add	4.85
	For Tinted Glass, Add	0.48
	For Reflective Coated Glass, Add	0.87
	For Low-E Coated Glass, Add	0.48
08 81 23 23-0014	SF 3/16" Thick, Clear Float Field Installed Glass	7.29
	For >50 To 200, Deduct	-0.06
	For >200 To 400, Deduct	-0.12
	For >400, Deduct	-0.19
	For Glass Removal And Preparing Opening For New Glazing, Add	5.22
	For Tinted Glass, Add	0.52
	For Reflective Coated Glass, Add	0.93
	For Low-E Coated Glass, Add	0.52
08 81 23 23-0015	SF 1/4" Thick, Clear Float Field Installed Glass	8.09
	For >50 To 200, Deduct	-0.08
	For >200 To 400, Deduct	-0.15
	For >400, Deduct	-0.23
	For Glass Removal And Preparing Opening For New Glazing, Add	5.59
	For Tinted Glass, Add	0.63
	For Reflective Coated Glass, Add	1.13
	For Low-E Coated Glass, Add	0.63
08 81 23 23-0016	SF 5/16" Thick, Clear Float Field Installed Glass	10.50
	For >50 To 200, Deduct	-0.12
	For >200 To 400, Deduct	-0.25
	For >400, Deduct	-0.37
	For Glass Removal And Preparing Opening For New Glazing, Add	6.34
	For Tinted Glass, Add	1.04
	For Reflective Coated Glass, Add	1.87
	For Low-E Coated Glass, Add	1.04
08 81 23 23-0017	SF 3/8" Thick, Clear Float Field Installed Glass	13.15
	For >50 To 200, Deduct	-0.18
	For >200 To 400, Deduct	-0.36
	For >400, Deduct	-0.55
	For Glass Removal And Preparing Opening For New Glazing, Add	7.09
	For Tinted Glass, Add	1.52
	For Reflective Coated Glass, Add	2.73
	For Low-E Coated Glass, Add	1.52



Openings	08	
Glazing	08 80	08
Glass Glazing	08 81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0018	SF		1/2" Thick, Clear Float Field Installed Glass 14.49 For >50 To 200, Deduct -0.20 For >200 To 400, Deduct -0.40 For >400, Deduct -0.60 For Glass Removal And Preparing Opening For New Glazing, Add 7.83 For Tinted Glass, Add 1.67 For Reflective Coated Glass, Add 3.00 For Low-E Coated Glass, Add 1.67		
08 81 23 23-0019	SF		5/8" Thick, Clear Float Field Installed Glass 17.65 For >50 To 200, Deduct -0.24 For >200 To 400, Deduct -0.48 For >400, Deduct -0.72 For Glass Removal And Preparing Opening For New Glazing, Add 9.69 For Tinted Glass, Add 1.99 For Reflective Coated Glass, Add 3.58 For Low-E Coated Glass, Add 1.99		
08 81 23 23-0020	SF		3/4" Thick, Clear Float Field Installed Glass 21.39 For >50 To 200, Deduct -0.29 For >200 To 400, Deduct -0.59 For >400, Deduct -0.88 For Glass Removal And Preparing Opening For New Glazing, Add 11.56 For Tinted Glass, Add 2.46 For Reflective Coated Glass, Add 4.42 For Low-E Coated Glass, Add 2.46		
08 81 23 23-0021			Patterned Field Installed Glass (08 81 23 23)		
08 81 23 23-0022			Rough Obscure Field Installed Glass (08 81 23 23-0021) Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023	SF		1/4" Thick, Rough Obscure Field Installed Glass 11.07 For Glass Removal And Preparing Opening For New Glazing, Add 5.59		
08 81 23 23-0024			Patterned, Figured Field Installed Glass (08 81 23 23-0021) Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025	SF		1/8" Thick, Patterned, Figured Field Installed Glass 8.18 For Glass Removal And Preparing Opening For New Glazing, Add 4.85		
08 81 23 23-0026	SF		7/32" Thick, Patterned, Figured Field Installed Glass 8.74 For Glass Removal And Preparing Opening For New Glazing, Add 5.41		
08 81 23 23-0027			Wired Field Installed Glass (08 81 23 23)		
08 81 23 23-0028			Square Or Diamond Pattern, Wired Field Installed Glass (08 81 23 23-0027) Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029	SF		1/4" Thick, Square Pattern, Wired Field Installed Glass 14.20 For Glass Removal And Preparing Opening For New Glazing, Add 5.59		
08 81 23 23-0030	SF		1/4" Thick, Diamond Pattern, Wired Field Installed Glass 14.20 For Glass Removal And Preparing Opening For New Glazing, Add 5.59		
08 81 23 23-0031			Polished, Wired Field Installed Glass (08 81 23 23-0027)		
08 81 23 23-0032	SF		1/4" Thick, Polished, Wired Field Installed Glass 15.01 For Glass Removal And Preparing Opening For New Glazing, Add 5.59		
08 81 23 23-0033			Frosted Field Installed Glass (08 81 23 23)		
08 81 23 23-0034			Frosted Field Installed Glass (08 81 23 23-0033)		
08 81 23 23-0035	SF		1/8" Thick, Frosted Field Installed Glass 9.20 For >50 To 200, Deduct -0.13 For >200 To 400, Deduct -0.26 For >400, Deduct -0.39 For Glass Removal And Preparing Opening For New Glazing, Add 4.85		
08 81 23 23-0036	SF		3/16" Thick, Frosted Field Installed Glass 10.93 For >50 To 200, Deduct -0.17 For >200 To 400, Deduct -0.34 For >400, Deduct -0.51 For Glass Removal And Preparing Opening For New Glazing, Add 5.22		
08 81 23 23-0037	SF		1/4" Thick, Frosted Field Installed Glass 12.81 For >50 To 200, Deduct -0.22 For >200 To 400, Deduct -0.43 For >400, Deduct -0.65 For Glass Removal And Preparing Opening For New Glazing, Add 5.59		
08 81 23 23-0038	SF		3/8" Thick, Frosted Field Installed Glass 17.89 For >50 To 200, Deduct -0.32 For >200 To 400, Deduct -0.65 For >400, Deduct -0.97 For Glass Removal And Preparing Opening For New Glazing, Add 7.09		
08 81 23 23-0039			Fire Rated Field Installed Glass (08 81 23 23)		
08 81 23 23-0040			Fire Rated Field Installed Glass (08 81 23 23-0039)		
08 81 23 23-0041	SF		20 Minute, Fire Rated Field Installed Glass 17.41 For Glass Removal And Preparing Opening For New Glazing, Add 5.59		
08 81 23 23-0042	SF		45 Minute, Fire Rated Field Installed Glass 29.13 For Glass Removal And Preparing Opening For New Glazing, Add 5.59		

08 Openings**08 80 Glazing****08 81 Glass Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 81 23 23-0043	SF	60 Minute, Fire Rated Field Installed Glass	41.97
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	5.59
08 81 23 23-0044	SF	90 Minute, Fire Rated Field Installed Glass	53.74
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	5.59
08 81 23 23-0045		Laminated Field Installed Glass <small>(08 81 23 23)</small>	
08 81 23 23-0046		Laminated Glass With PVB Interlayer, Field Installed Glass <small>(08 81 23 23-0045)</small>	
		Note: Type I, Class I, Quality Q3.	
08 81 23 23-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	13.26
		<i>For >50 To 200, Deduct</i>	-0.23
		<i>For >200 To 400, Deduct</i>	-0.46
		<i>For >400, Deduct</i>	-0.69
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	5.59
		<i>For Tinted Glass, Add</i>	1.92
		<i>For Reflective Coated Glass, Add</i>	3.45
		<i>For Low-E Coated Glass, Add</i>	1.92
		<i>For One Piece Heat Strengthened Glass, Add</i>	1.53
		<i>For One Piece Fully Tempered Glass, Add</i>	1.53
08 81 23 23-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	16.67
		<i>For >50 To 200, Deduct</i>	-0.29
		<i>For >200 To 400, Deduct</i>	-0.57
		<i>For >400, Deduct</i>	-0.86
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.09
		<i>For Tinted Glass, Add</i>	2.40
		<i>For Reflective Coated Glass, Add</i>	4.31
		<i>For Low-E Coated Glass, Add</i>	2.40
		<i>For One Piece Heat Strengthened Glass, Add</i>	1.92
		<i>For One Piece Fully Tempered Glass, Add</i>	1.92
08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	20.85
		<i>For >50 To 200, Deduct</i>	-0.39
		<i>For >200 To 400, Deduct</i>	-0.78
		<i>For >400, Deduct</i>	-1.17
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.83
		<i>For Tinted Glass, Add</i>	3.26
		<i>For Reflective Coated Glass, Add</i>	5.86
		<i>For Low-E Coated Glass, Add</i>	3.26
		<i>For One Piece Heat Strengthened Glass, Add</i>	2.60
		<i>For One Piece Fully Tempered Glass, Add</i>	2.60
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	22.66
		<i>For >50 To 200, Deduct</i>	-0.44
		<i>For >200 To 400, Deduct</i>	-0.88
		<i>For >400, Deduct</i>	-1.32
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.02
		<i>For Tinted Glass, Add</i>	3.66
		<i>For Reflective Coated Glass, Add</i>	6.59
		<i>For Low-E Coated Glass, Add</i>	3.66
		<i>For One Piece Heat Strengthened Glass, Add</i>	2.93
		<i>For One Piece Fully Tempered Glass, Add</i>	2.93
08 81 23 23-0051		Insulated Field Installed Glass <small>(08 81 23 23)</small>	
08 81 23 23-0052		Insulated Glass, Field Installed Glass <small>(08 81 23 23-0051)</small>	
		Note: Type I, Class I, Quality Q3.	
08 81 23 23-0053	SF	1/2" Thick, Insulated Field Installed Glass	12.07
		Note: Two 1/8" lites with 1/4" air space.	
		<i>For >50 To 200, Deduct</i>	-0.17
		<i>For >200 To 400, Deduct</i>	-0.33
		<i>For >400, Deduct</i>	-0.50
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.52
		<i>For Tinted Glass, Add</i>	1.39
		<i>For Reflective Coated Glass, Add</i>	2.50
		<i>For Low-E Coated Glass, Add</i>	1.39
		<i>For One Piece Heat Strengthened Glass, Add</i>	1.11
		<i>For One Piece Fully Tempered Glass, Add</i>	1.11
		<i>For One Piece Obscure Glass, Add</i>	2.36
		<i>For Argon Gas, Add</i>	1.53
08 81 23 23-0054	SF	5/8" Thick, Insulated Field Installed Glass	12.59
		Note: Two 3/16" lites with 1/4" air space.	
		<i>For >50 To 200, Deduct</i>	-0.17
		<i>For >200 To 400, Deduct</i>	-0.34
		<i>For >400, Deduct</i>	-0.51
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.97
		<i>For Tinted Glass, Add</i>	1.41
		<i>For Reflective Coated Glass, Add</i>	2.53
		<i>For Low-E Coated Glass, Add</i>	1.41
		<i>For One Piece Heat Strengthened Glass, Add</i>	1.12
		<i>For One Piece Fully Tempered Glass, Add</i>	1.12
		<i>For One Piece Obscure Glass, Add</i>	2.39
		<i>For Argon Gas, Add</i>	1.55



Openings	08	
Glazing	08 80	08
Glass Glazing	08 81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0055	SF		3/4" Thick, Insulated Field Installed Glass 13.48 Note: Two 1/4" lites with 1/4" air space.		
			<i>For >50 To 200, Deduct</i>	-0.18	
			<i>For >200 To 400, Deduct</i>	-0.35	
			<i>For >400, Deduct</i>	-0.53	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.60	
			<i>For Tinted Glass, Add</i>	1.47	
			<i>For Reflective Coated Glass, Add</i>	2.65	
			<i>For Low-E Coated Glass, Add</i>	1.47	
			<i>For One Piece Heat Strengthened Glass, Add</i>	1.18	
			<i>For One Piece Fully Tempered Glass, Add</i>	1.18	
			<i>For One Piece Obscure Glass, Add</i>	2.50	
			<i>For Argon Gas, Add</i>	1.62	
08 81 23 23-0056	SF		1" Thick, Insulated Field Installed Glass 14.97 Note: Two 1/4" lites with 1/2" air space.		
			<i>For >50 To 200, Deduct</i>	-0.21	
			<i>For >200 To 400, Deduct</i>	-0.43	
			<i>For >400, Deduct</i>	-0.64	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.83	
			<i>For Tinted Glass, Add</i>	1.79	
			<i>For Reflective Coated Glass, Add</i>	3.21	
			<i>For Low-E Coated Glass, Add</i>	1.79	
			<i>For One Piece Heat Strengthened Glass, Add</i>	1.43	
			<i>For One Piece Fully Tempered Glass, Add</i>	1.43	
			<i>For One Piece Obscure Glass, Add</i>	3.03	
			<i>For Argon Gas, Add</i>	1.96	
08 81 23 23-0057			Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051)		
08 81 23 23-0058	SF		1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass 38.80 Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of .060" PVB film between two layers 1/4" thick glass.		
			<i>For >50 To 200, Deduct</i>	-0.86	
			<i>For >200 To 400, Deduct</i>	-1.71	
			<i>For >400, Deduct</i>	-2.57	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.25	
			<i>For Tinted Glass, Add</i>	7.14	
			<i>For Reflective Coated Glass, Add</i>	12.85	
			<i>For Low-E Coated Glass, Add</i>	7.14	
			<i>For Argon Gas, Add</i>	7.85	
08 81 23 23-0059			Spandrel Field Installed Glass (08 81 23 23)		
08 81 23 23-0060			Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass (08 81 23 23-0059)		
08 81 23 23-0061	SF		1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass 12.42 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.21	
08 81 23 23-0062	SF		1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass 11.09 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.21	
08 81 23 23-0063			Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0059)		
08 81 23 23-0064			1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0063) Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0065	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass 13.81 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.21	
08 81 23 23-0066	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass 12.30 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.21	
08 81 23 23-0067			1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0063)		
08 81 23 23-0068	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass 16.43 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.21	
08 81 23 23-0069	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass 13.46 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.21	
08 83			Mirrors (08 80)		
			Note: Kind FT, Type I, Class I, Quality Q1.		
08 83 13			Mirrored Glass Glazing (08 83)		
08 83 13 00-0001			Mirror Glass (08 83 13)		
08 83 13 00-0002			One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0003	SF		1/4" One-Way Vision Glass (Transparent Mirrors) 22.86 <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	-0.52 -0.87 -1.39	2.79
08 83 13 00-0004			Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0005	SF		1/4" Tempered, One-Way Vision Glass (Transparent Mirrors) 30.82 <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	-0.76 -1.26 -2.02	2.79

08 Openings**08 80 Glazing****08 83 Mirrors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 83 13 00-0006	Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0007	SF 1/8" Clear Mirror Glass.....	8.32	2.24
	For >50 To 200, Deduct	-0.12	
	For >200 To 400, Deduct	-0.19	
	For >400, Deduct	-0.31	
08 83 13 00-0008	SF 3/16" Clear Mirror Glass.....	9.82	2.61
	For >50 To 200, Deduct	-0.14	
	For >200 To 400, Deduct	-0.23	
	For >400, Deduct	-0.37	
08 83 13 00-0009	SF 1/4" Clear Mirror Glass.....	10.73	2.79
	For >50 To 200, Deduct	-0.16	
	For >200 To 400, Deduct	-0.26	
	For >400, Deduct	-0.42	
08 83 13 00-0010	Tempered, Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0011	SF 1/8" Tempered, Clear Mirror Glass	12.73	2.24
	For >50 To 200, Deduct	-0.25	
	For >200 To 400, Deduct	-0.41	
	For >400, Deduct	-0.66	
08 83 13 00-0012	SF 3/16" Tempered, Clear Mirror Glass	14.48	2.61
	For >50 To 200, Deduct	-0.28	
	For >200 To 400, Deduct	-0.47	
	For >400, Deduct	-0.75	
08 83 13 00-0013	SF 1/4" Tempered, Clear Mirror Glass	15.93	2.79
	For >50 To 200, Deduct	-0.31	
	For >200 To 400, Deduct	-0.52	
	For >400, Deduct	-0.83	
08 83 13 00-0014	Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)		
08 83 13 00-0015	SF 1/4" Clear Mirror Glass With Laminated Safety Backing.....	18.89	2.79
	For >50 To 200, Deduct	-0.40	
	For >200 To 400, Deduct	-0.67	
	For >400, Deduct	-1.07	
08 83 13 00-0016	Laminated Safety Mirror Glass (08 83 13 00-0001)		
	Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017	SF 1/4" Laminated Safety Mirror Glass	39.70	2.79
	For >50 To 200, Deduct	-1.03	
	For >200 To 400, Deduct	-1.71	
	For >400, Deduct	-2.73	
08 83 13 00-0018	Accessories For Mirror Glass (08 83 13)		
08 83 13 00-0019	LF 1/8" Aluminum J-Channel For Mounting Mirror Glass.....	2.14	
08 83 13 00-0020	LF 3/16" Aluminum J-Channel For Mounting Mirror Glass.....	2.19	
08 83 13 00-0021	LF 1/4" Aluminum J-Channel For Mounting Mirror Glass.....	2.89	
08 83 13 00-0022	LF Aluminum Frame For Mounting Mirror Glass	3.86	

08 84 Plastic Glazing (08 80)

08 84 00 00-0001	Clear Polycarbonate Glazing (GE Lexan) (08 84)		
	See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.		
08 84 00 00-0002	SF 1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	12.14	
	For >50 To 200, Deduct	-0.43	
	For >200 To 400, Deduct	-0.86	
	For >400, Deduct	-1.29	
	For Glass Removal And Preparing Opening For New Glazing, Add	3.52	
08 84 00 00-0003	SF 3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	12.89	
	For >50 To 200, Deduct	-0.46	
	For >200 To 400, Deduct	-0.92	
	For >400, Deduct	-1.38	
	For Glass Removal And Preparing Opening For New Glazing, Add	3.66	
08 84 00 00-0004	SF 1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	16.31	
	For >50 To 200, Deduct	-0.63	
	For >200 To 400, Deduct	-1.25	
	For >400, Deduct	-1.88	
	For Glass Removal And Preparing Opening For New Glazing, Add	3.80	
08 84 00 00-0005	SF 3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	26.38	
	For >50 To 200, Deduct	-1.12	
	For >200 To 400, Deduct	-2.25	
	For >400, Deduct	-3.37	
	For Glass Removal And Preparing Opening For New Glazing, Add	3.91	
08 84 00 00-0006	SF 1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	34.73	
	For >50 To 200, Deduct	-1.53	
	For >200 To 400, Deduct	-3.05	
	For >400, Deduct	-4.58	
	For Glass Removal And Preparing Opening For New Glazing, Add	4.19	
08 84 00 00-0007	Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) (08 84)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0008 SF 1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	21.24	
For >50 To 200, Deduct	-0.89	
For >200 To 400, Deduct	-1.77	
For >400, Deduct	-2.66	
For Glass Removal And Preparing Opening For New Glazing, Add	3.52	
08 84 00 00-0009 SF 3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	25.46	
For >50 To 200, Deduct	-1.09	
For >200 To 400, Deduct	-2.18	
For >400, Deduct	-3.27	
For Glass Removal And Preparing Opening For New Glazing, Add	3.66	
08 84 00 00-0010 SF 1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	27.00	
For >50 To 200, Deduct	-1.16	
For >200 To 400, Deduct	-2.32	
For >400, Deduct	-3.48	
For Glass Removal And Preparing Opening For New Glazing, Add	3.80	
08 84 00 00-0011 SF 3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	48.73	
For >50 To 200, Deduct	-2.24	
For >200 To 400, Deduct	-4.48	
For >400, Deduct	-6.72	
For Glass Removal And Preparing Opening For New Glazing, Add	3.91	
08 84 00 00-0012 SF 1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	51.70	
For >50 To 200, Deduct	-2.38	
For >200 To 400, Deduct	-4.75	
For >400, Deduct	-7.13	
For Glass Removal And Preparing Opening For New Glazing, Add	4.19	
08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) ^(08 84)	7.77	
08 84 00 00-0014 SF 1/10" Thick, Clear Acrylic Glazing (Plexiglas)	7.77	
For >50 To 200, Deduct	-0.22	
For >200 To 400, Deduct	-0.44	
For >400, Deduct	-0.66	
For Glass Removal And Preparing Opening For New Glazing, Add	3.36	
For Colored, Add	0.88	
For Shatterproof, Add	2.65	
For Mirrored, Add	3.53	
08 84 00 00-0015 SF 1/8" Thick, Clear Acrylic Glazing (Plexiglas)	7.98	
For >50 To 200, Deduct	-0.22	
For >200 To 400, Deduct	-0.45	
For >400, Deduct	-0.67	
For Glass Removal And Preparing Opening For New Glazing, Add	3.52	
For Colored, Add	0.89	
For Shatterproof, Add	2.68	
For Mirrored, Add	3.57	
08 84 00 00-0016 SF 3/16" Thick, Clear Acrylic Glazing (Plexiglas)	10.63	
For >50 To 200, Deduct	-0.35	
For >200 To 400, Deduct	-0.70	
For >400, Deduct	-1.05	
For Glass Removal And Preparing Opening For New Glazing, Add	3.66	
For Colored, Add	1.39	
For Shatterproof, Add	4.18	
For Mirrored, Add	5.58	
08 84 00 00-0017 SF 1/4" Thick, Clear Acrylic Glazing (Plexiglas)	12.98	
For >50 To 200, Deduct	-0.46	
For >200 To 400, Deduct	-0.92	
For >400, Deduct	-1.38	
For Glass Removal And Preparing Opening For New Glazing, Add	3.80	
For Colored, Add	1.84	
For Shatterproof, Add	5.51	
For Mirrored, Add	7.34	
08 84 00 00-0018 SF 5/16" Thick, Clear Acrylic Glazing (Plexiglas)	13.43	
For >50 To 200, Deduct	-0.48	
For >200 To 400, Deduct	-0.96	
For >400, Deduct	-1.44	
For Glass Removal And Preparing Opening For New Glazing, Add	3.82	
For Colored, Add	1.92	
For Shatterproof, Add	5.77	
For Mirrored, Add	7.69	
08 84 00 00-0019 SF 3/8" Thick, Clear Acrylic Glazing (Plexiglas)	13.96	
For >50 To 200, Deduct	-0.50	
For >200 To 400, Deduct	-1.01	
For >400, Deduct	-1.51	
For Glass Removal And Preparing Opening For New Glazing, Add	3.91	
For Colored, Add	2.01	
For Shatterproof, Add	6.03	
For Mirrored, Add	8.04	
08 84 00 00-0020 SF 1/2" Thick, Clear Acrylic Glazing (Plexiglas)	17.48	
For >50 To 200, Deduct	-0.66	
For >200 To 400, Deduct	-1.33	
For >400, Deduct	-1.99	
For Glass Removal And Preparing Opening For New Glazing, Add	4.19	
For Colored, Add	2.66	
For Shatterproof, Add	7.97	
For Mirrored, Add	10.63	
08 84 00 00-0021 SF 3/4" Thick, Clear Acrylic Glazing (Plexiglas)	26.01	
For >50 To 200, Deduct	-1.04	
For >200 To 400, Deduct	-2.07	
For >400, Deduct	-3.11	
For Glass Removal And Preparing Opening For New Glazing, Add	5.31	

08 Openings**08 80 Glazing**

08 84 Plastic Glazing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	37.61
		<i>For >50 To 200, Deduct</i>	-1.59
		<i>For >200 To 400, Deduct</i>	-3.18
		<i>For >400, Deduct</i>	-4.78
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	5.77

08 87 Glazing Surface Films (08 80)**08 87 13 Solar Control Films** (08 87)

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001		Window Tinting And Film (08 87 13)	
		Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.	
08 87 13 00-0002	SF	Tinted, Solar Control Window Film	3.06
08 87 13 00-0003	SF	Obscurant, Solar Control Window Film	3.06
08 87 13 00-0004	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	4.80
08 87 13 00-0005	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	5.15

08 87 23 Safety And Security Films (08 87)**08 87 23 16 Security Films** (08 87 23)

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001		High Performance, Security And Safety Glazing Films (08 87 23 16)	
		Note: Includes cleaning of window glazing prior to installation.	
08 87 23 16-0002		Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)	
08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	6.90
		<i>For >1,000 To 5,000, Deduct</i>	-0.30
		<i>For >5,000, Deduct</i>	-0.50
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	7.55
		<i>For >1,000 To 5,000, Deduct</i>	-0.33
		<i>For >5,000, Deduct</i>	-0.56
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	8.46
		<i>For >1,000 To 5,000, Deduct</i>	-0.36
		<i>For >5,000, Deduct</i>	-0.65
08 87 23 16-0006		Tinted, High Performance Sun/Solar, Security And Safety Glazing Films (08 87 23 16-0001)	
08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	8.28
		<i>For >1,000 To 5,000, Deduct</i>	-0.35
		<i>For >5,000, Deduct</i>	-0.63
08 87 23 16-0008	SF	0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	8.28
		<i>For >1,000 To 5,000, Deduct</i>	-0.35
		<i>For >5,000, Deduct</i>	-0.63
08 87 23 16-0009	SF	0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	8.28
		<i>For >1,000 To 5,000, Deduct</i>	-0.35
		<i>For >5,000, Deduct</i>	-0.63
08 87 23 16-0010		Security And Safety Glazing Films (08 87 23 16)	
		Note: Includes cleaning of window glazing prior to installation.	
08 87 23 16-0011	SF	0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	6.18
		<i>For >1,000 To 5,000, Deduct</i>	-0.28
		<i>For >5,000, Deduct</i>	-0.42
08 87 23 16-0012	SF	0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	6.35
		<i>For >1,000 To 5,000, Deduct</i>	-0.28
		<i>For >5,000, Deduct</i>	-0.44
08 87 23 16-0013	SF	0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	7.99
		<i>For >1,000 To 5,000, Deduct</i>	-0.34
		<i>For >5,000, Deduct</i>	-0.60
08 87 23 16-0014		Anti-Graffiti Glazing Films (08 87 23 16)	
		Note: Includes cleaning of window glazing prior to installation.	
08 87 23 16-0015	SF	0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	6.18
		<i>For >1,000 To 5,000, Deduct</i>	-0.28
		<i>For >5,000, Deduct</i>	-0.42
08 87 23 16-0016	SF	0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	6.35
		<i>For >1,000 To 5,000, Deduct</i>	-0.28
		<i>For >5,000, Deduct</i>	-0.44
08 87 23 16-0017		WindowLock Protection System (08 87 23 16)	
		Note: Includes removal and replacement for most common window treatments (i.e. vertical, mini-binds, shades).	
08 87 23 16-0018	SF	WindowLock Glass Protection System, Large Missile	52.46
08 87 23 16-0019	SF	WindowLock Glass Protection System, Small Missile	40.91
08 87 23 16-0020	LF	WindowLock Glass Protection System, Painted Window Frames, Up To 500 LF	1.73
08 87 23 16-0021	LF	WindowLock Glass Protection System, Painted Window Frames, >50 To 1,000 LF	1.15
08 87 23 16-0022	LF	WindowLock Glass Protection System, Painted Window Frames, >1,000 LF	0.81
08 87 23 16-0023	EA	WindowLock Glass Protection System, Additional Anchoring, Per Tapcon, 4" Length	0.35
08 87 23 16-0024	EA	WindowLock Glass Protection System, Additional Anchoring, Per Tapcon, 6" Length	0.51



Openings	08	08
Glazing	08 80	
Glazing Surface Films	08 87	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 87 23 16-0025 LF WindowLock Glass Protection System, Additional Mullion 16.18

08 88 Special Function Glazing (08 80)

08 88 53 Security Glazing (08 88)

08 88 53 00-0001 Forced Entry And/Or Ballistic Resistant All Glass Laminate (08 88 53)

08 88 53 00-0002 Ballistic Resistant Glass (08 88 53 00-0001)

08 88 53 00-0003	SF 1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, Up To 15 SF	49.99	9.32
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	23.12	
08 88 53 00-0004	SF 1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, >15 SF	59.09	9.32
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	23.12	
08 88 53 00-0005	SF 1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, Up To 15 SF	67.03	10.44
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	26.11	
08 88 53 00-0006	SF 1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, >15 SF	74.64	10.44
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	26.11	
08 88 53 00-0007	SF 2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, Up To 15 SF	84.81	11.93
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	29.83	
08 88 53 00-0008	SF 2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, >15 SF	90.92	11.93
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	29.83	

08 88 53 00-0009 Forced Entry Resistant Glass (08 88 53 00-0001)

08 88 53 00-0010	SF 5/16" Forced Entry Resistant Laminated Glass Sheet	21.67	2.79
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	5.83	
08 88 53 00-0011	SF 1/2" Forced Entry Resistant Laminated Glass Sheet	24.72	2.99
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.21	
08 88 53 00-0012	SF 11/16" Forced Entry Resistant Laminated Glass Sheet	28.34	3.17
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.65	
08 88 53 00-0013	SF 7/8" Forced Entry Resistant Laminated Glass Sheet	32.12	3.54
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.17	

08 88 53 00-0014 Glass Clad Polycarbonate (08 88 53)

08 88 53 00-0015	SF 0.76" Ballistic Resistant Glass/Poly, Level 1, 6.4 LB/SF	73.65	11.19
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	28.34	
08 88 53 00-0016	SF 0.8125" Ballistic Resistant Glass/Poly, Level 2, 8.99 LB/SF	82.24	13.13
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	32.81	
08 88 53 00-0017	SF 1.18" Ballistic Resistant Glass/Poly, Level 3, 11.5 LB/SF	105.55	14.92
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	37.28	

08 88 53 00-0018 Ballistic Resistant Acrylic (08 88 53)

08 88 53 00-0019	SF 1.25" Ballistic Resistant Acrylic Glass, Level 1, 7.7 LB/SF	128.38	11.19
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	28.34	
08 88 53 00-0020	SF 1.378" Ballistic Resistant Acrylic Glass, Level 2, 8.5 LB/SF	150.51	13.05
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	32.81	
08 88 53 00-0021	SF 1.25" Ballistic Resistant Acrylic Glass, Level 3, 7.5 LB/SF	202.06	14.92
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	37.28	

08 88 53 00-0022 Ballistic Resistant Fiberglass (08 88 53)

08 88 53 00-0023	SF 5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF	30.88	7.09
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.17	
08 88 53 00-0024	SF 3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF	36.57	8.20
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.41	
08 88 53 00-0025	SF 7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF	41.48	9.32
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.65	

08 88 53 00-0026 Forced Entry And/Or Ballistic Resistant Polycarbonate (08 88 53)

08 88 53 00-0027 Forced Entry Resistant Monolithic Polycarbonate (08 88 53 00-0026)

08 88 53 00-0028	SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01	52.12	16.93
	Note: Level 1 or ASTM F1233, Class II (Step 5).		
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	22.60	

08 88 53 00-0029 Forced Entry Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026)

08 88 53 00-0030	SF 9/16" Overall Nominal Thickness, H.P. White TP-0500.01, Level 1	64.41	11.19
	Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	27.97	

08 88 53 00-0031 Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)

08 88 53 00-0032	SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01	82.43	21.47
	Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).		
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	29.83	

08 88 53 00-0033 Fire Resistant, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)

	Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0034 SF 7/8" Overall Nominal Thickness, H.P. White TP-0500.01, Level I..... Note: UL-9 Fire Resistant. For Glass Removal And Preparing Opening For New Glazing, Add	91.05 31.69	13.25
08 88 53 00-0035 Insulated, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036 SF 1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01..... Note: Level I (1/4" tempered float glass, 1/2" airspace). For Glass Removal And Preparing Opening For New Glazing, Add	77.44 27.97	11.19
08 88 53 00-0037 Ballistic And Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)		
08 88 53 00-0038 SF 1" Nominal Thickness, Ballistic Or Forced Entry Resistant..... Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun). For Glass Removal And Preparing Opening For New Glazing, Add	180.55 61.90	24.91
08 88 53 00-0039 SF 1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant..... Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun). For Glass Removal And Preparing Opening For New Glazing, Add	183.35 61.90	24.91
08 88 53 00-0040 Ballistic Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041 SF 1-5/16" Overall Nominal Thickness, Ballistic Resistant..... Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard). For Glass Removal And Preparing Opening For New Glazing, Add	119.77 41.77	15.79

08 90 Louvers And Vents (08)**08 91 Louvers** (08 90)**08 91 13 Motorized Wall Louvers** (08 91)

08 91 13 00-0001 Motorized Wall Louver Actuator (08 91 13) See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002 EA 115 Volt Actuator For Adjustable Intake Louver.....	1,000.11	37.47
08 91 13 00-0003 EA 230 Volt Actuator For Adjustable Intake Louver.....	1,576.62	37.47
08 91 13 00-0004 EA 24 Volt Actuator For Adjustable Intake Louver.....	1,082.28	37.47
08 91 13 00-0005 EA 115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	4,466.27	37.47

08 91 16 Operable Wall Louvers (08 91)

08 91 16 00-0001 Adjustable Intake Wall Louvers (08 91 16) See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002 EA 12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	283.70 26.39 52.77 79.16 105.54 145.12	9.91
08 91 16 00-0003 EA 12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	354.87 33.06 66.13 99.19 132.25 181.85	12.12
08 91 16 00-0004 EA 12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	419.63 39.10 78.20 117.29 156.39 215.04	14.33
08 91 16 00-0005 EA 12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	491.44 45.84 91.68 137.52 183.36 252.11	16.53
08 91 16 00-0006 EA 12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	553.64 51.62 103.23 154.85 206.47 283.89	18.73



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	654.98	20.93
			<i>For Flange Frame, Add</i>	61.31	
			<i>For Clear Lacquer Finish, Add</i>	122.62	
			<i>For Baked Enamel Standard Colors, Add</i>	183.93	
			<i>For Anodized Finish, Add</i>	245.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	337.21	
08 91	16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	747.34	23.14
			<i>For Flange Frame, Add</i>	70.11	
			<i>For Clear Lacquer Finish, Add</i>	140.21	
			<i>For Baked Enamel Standard Colors, Add</i>	210.32	
			<i>For Anodized Finish, Add</i>	280.42	
			<i>For Kynar™ Standard Colors Finish, Add</i>	385.58	
08 91	16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	829.07	26.45
			<i>For Flange Frame, Add</i>	77.62	
			<i>For Clear Lacquer Finish, Add</i>	155.24	
			<i>For Baked Enamel Standard Colors, Add</i>	232.85	
			<i>For Anodized Finish, Add</i>	310.47	
			<i>For Kynar™ Standard Colors Finish, Add</i>	426.90	
08 91	16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	884.19	28.65
			<i>For Flange Frame, Add</i>	82.69	
			<i>For Clear Lacquer Finish, Add</i>	165.38	
			<i>For Baked Enamel Standard Colors, Add</i>	248.07	
			<i>For Anodized Finish, Add</i>	330.76	
			<i>For Kynar™ Standard Colors Finish, Add</i>	454.80	
08 91	16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	954.09	30.85
			<i>For Flange Frame, Add</i>	89.24	
			<i>For Clear Lacquer Finish, Add</i>	178.48	
			<i>For Baked Enamel Standard Colors, Add</i>	267.71	
			<i>For Anodized Finish, Add</i>	356.95	
			<i>For Kynar™ Standard Colors Finish, Add</i>	490.81	
08 91	16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,014.99	33.05
			<i>For Flange Frame, Add</i>	94.89	
			<i>For Clear Lacquer Finish, Add</i>	189.78	
			<i>For Baked Enamel Standard Colors, Add</i>	284.66	
			<i>For Anodized Finish, Add</i>	379.55	
			<i>For Kynar™ Standard Colors Finish, Add</i>	521.88	
08 91	16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,093.87	35.26
			<i>For Flange Frame, Add</i>	102.34	
			<i>For Clear Lacquer Finish, Add</i>	204.67	
			<i>For Baked Enamel Standard Colors, Add</i>	307.01	
			<i>For Anodized Finish, Add</i>	409.34	
			<i>For Kynar™ Standard Colors Finish, Add</i>	562.84	
08 91	16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,169.53	37.47
			<i>For Flange Frame, Add</i>	109.46	
			<i>For Clear Lacquer Finish, Add</i>	218.92	
			<i>For Baked Enamel Standard Colors, Add</i>	328.38	
			<i>For Anodized Finish, Add</i>	437.84	
			<i>For Kynar™ Standard Colors Finish, Add</i>	602.04	
08 91	16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,262.81	40.77
			<i>For Flange Frame, Add</i>	118.13	
			<i>For Clear Lacquer Finish, Add</i>	236.26	
			<i>For Baked Enamel Standard Colors, Add</i>	354.38	
			<i>For Anodized Finish, Add</i>	472.51	
			<i>For Kynar™ Standard Colors Finish, Add</i>	649.70	
08 91	16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,330.42	44.08
			<i>For Flange Frame, Add</i>	124.23	
			<i>For Clear Lacquer Finish, Add</i>	248.45	
			<i>For Baked Enamel Standard Colors, Add</i>	372.68	
			<i>For Anodized Finish, Add</i>	496.91	
			<i>For Kynar™ Standard Colors Finish, Add</i>	683.25	
08 91	16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	316.99	12.12
			<i>For Flange Frame, Add</i>	29.28	
			<i>For Clear Lacquer Finish, Add</i>	58.55	
			<i>For Baked Enamel Standard Colors, Add</i>	87.83	
			<i>For Anodized Finish, Add</i>	117.10	
			<i>For Kynar™ Standard Colors Finish, Add</i>	161.01	
08 91	16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	400.00	15.42
			<i>For Flange Frame, Add</i>	36.92	
			<i>For Clear Lacquer Finish, Add</i>	73.83	
			<i>For Baked Enamel Standard Colors, Add</i>	110.75	
			<i>For Anodized Finish, Add</i>	147.66	
			<i>For Kynar™ Standard Colors Finish, Add</i>	203.03	
08 91	16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	469.89	17.63
			<i>For Flange Frame, Add</i>	43.46	
			<i>For Clear Lacquer Finish, Add</i>	86.93	
			<i>For Baked Enamel Standard Colors, Add</i>	130.39	
			<i>For Anodized Finish, Add</i>	173.85	
			<i>For Kynar™ Standard Colors Finish, Add</i>	239.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	584.64 54.06 108.11 162.17 216.22 297.31	22.03
08 91	16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	666.08 61.76 123.52 185.28 247.04 339.68	24.24
08 91	16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	747.53 69.46 138.93 208.39 277.86 382.05	26.45
08 91	16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	845.67 78.84 157.68 236.51 315.35 433.61	28.65
08 91	16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	937.67 87.38 174.75 262.13 349.50 480.57	31.96
08 91	16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,010.41 93.99 187.98 281.97 375.96 516.94	35.26
08 91	16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,081.58 100.67 201.33 302.00 402.66 553.66	37.47
08 91	16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,148.27 106.89 213.79 320.68 427.57 587.91	39.66
08 91	16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,235.49 115.18 230.35 345.53 460.70 633.46	41.87
08 91	16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,319.51 123.14 246.27 369.41 492.54 677.25	44.08
08 91	16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,421.13 132.64 265.27 397.91 530.55 729.50	47.38
08 91	16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,497.08 139.57 279.14 418.71 558.28 767.64	50.68
08 91	16 00-0032	EA	24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	353.50 32.49 64.97 97.46 129.94 178.67	14.33



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0033	EA		24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	449.35	17.63
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	41.41	
			For Clear Lacquer Finish, Add	82.82	
			For Baked Enamel Standard Colors, Add	124.23	
			For Anodized Finish, Add	165.64	
			For Kynar™ Standard Colors Finish, Add	227.75	
08 91 16 00-0034	EA		24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	558.04	20.93
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	51.62	
			For Clear Lacquer Finish, Add	103.23	
			For Baked Enamel Standard Colors, Add	154.85	
			For Anodized Finish, Add	206.47	
			For Kynar™ Standard Colors Finish, Add	283.89	
08 91 16 00-0035	EA		24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	657.37	25.35
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	60.67	
			For Clear Lacquer Finish, Add	121.34	
			For Baked Enamel Standard Colors, Add	182.01	
			For Anodized Finish, Add	242.68	
			For Kynar™ Standard Colors Finish, Add	333.68	
08 91 16 00-0036	EA		24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	747.18	27.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	69.21	
			For Clear Lacquer Finish, Add	138.42	
			For Baked Enamel Standard Colors, Add	207.62	
			For Anodized Finish, Add	276.83	
			For Kynar™ Standard Colors Finish, Add	380.64	
08 91 16 00-0037	EA		24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	842.10	29.75
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	78.26	
			For Clear Lacquer Finish, Add	156.52	
			For Baked Enamel Standard Colors, Add	234.78	
			For Anodized Finish, Add	313.04	
			For Kynar™ Standard Colors Finish, Add	430.43	
08 91 16 00-0038	EA		24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	958.49	33.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	89.24	
			For Clear Lacquer Finish, Add	178.48	
			For Baked Enamel Standard Colors, Add	267.71	
			For Anodized Finish, Add	356.95	
			For Kynar™ Standard Colors Finish, Add	490.81	
08 91 16 00-0039	EA		24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,054.61	37.47
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	97.97	
			For Clear Lacquer Finish, Add	195.94	
			For Baked Enamel Standard Colors, Add	293.91	
			For Anodized Finish, Add	391.88	
			For Kynar™ Standard Colors Finish, Add	538.83	
08 91 16 00-0040	EA		24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,130.94	39.66
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	105.16	
			For Clear Lacquer Finish, Add	210.32	
			For Baked Enamel Standard Colors, Add	315.48	
			For Anodized Finish, Add	420.64	
			For Kynar™ Standard Colors Finish, Add	578.38	
08 91 16 00-0041	EA		24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,211.65	44.08
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	112.35	
			For Clear Lacquer Finish, Add	224.70	
			For Baked Enamel Standard Colors, Add	337.05	
			For Anodized Finish, Add	449.40	
			For Kynar™ Standard Colors Finish, Add	617.93	
08 91 16 00-0042	EA		24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,289.24	46.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	119.67	
			For Clear Lacquer Finish, Add	239.34	
			For Baked Enamel Standard Colors, Add	359.01	
			For Anodized Finish, Add	478.68	
			For Kynar™ Standard Colors Finish, Add	658.18	
08 91 16 00-0043	EA		24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,395.74	48.48
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	129.88	
			For Clear Lacquer Finish, Add	259.75	
			For Baked Enamel Standard Colors, Add	389.63	
			For Anodized Finish, Add	519.51	
			For Kynar™ Standard Colors Finish, Add	714.32	
08 91 16 00-0044	EA		24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,485.52	50.68
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	138.42	
			For Clear Lacquer Finish, Add	276.83	
			For Baked Enamel Standard Colors, Add	415.25	
			For Anodized Finish, Add	553.66	
			For Kynar™ Standard Colors Finish, Add	761.28	
08 91 16 00-0045	EA		24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,598.06	53.99
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	149.01	
			For Clear Lacquer Finish, Add	298.02	
			For Baked Enamel Standard Colors, Add	447.02	
			For Anodized Finish, Add	596.03	
			For Kynar™ Standard Colors Finish, Add	819.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,679.80	57.29
			<i>For Flange Frame, Add</i>	156.52	
			<i>For Clear Lacquer Finish, Add</i>	313.04	
			<i>For Baked Enamel Standard Colors, Add</i>	469.56	
			<i>For Anodized Finish, Add</i>	626.08	
			<i>For Kynar™ Standard Colors Finish, Add</i>	860.86	
08 91	16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	393.21	16.53
			<i>For Flange Frame, Add</i>	36.02	
			<i>For Clear Lacquer Finish, Add</i>	72.03	
			<i>For Baked Enamel Standard Colors, Add</i>	108.05	
			<i>For Anodized Finish, Add</i>	144.06	
			<i>For Kynar™ Standard Colors Finish, Add</i>	198.09	
08 91	16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	523.65	22.03
			<i>For Flange Frame, Add</i>	47.96	
			<i>For Clear Lacquer Finish, Add</i>	95.91	
			<i>For Baked Enamel Standard Colors, Add</i>	143.87	
			<i>For Anodized Finish, Add</i>	191.83	
			<i>For Kynar™ Standard Colors Finish, Add</i>	263.76	
08 91	16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	622.70	25.35
			<i>For Flange Frame, Add</i>	57.20	
			<i>For Clear Lacquer Finish, Add</i>	114.40	
			<i>For Baked Enamel Standard Colors, Add</i>	171.61	
			<i>For Anodized Finish, Add</i>	228.81	
			<i>For Kynar™ Standard Colors Finish, Add</i>	314.61	
08 91	16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	731.39	28.65
			<i>For Flange Frame, Add</i>	67.41	
			<i>For Clear Lacquer Finish, Add</i>	134.82	
			<i>For Baked Enamel Standard Colors, Add</i>	202.23	
			<i>For Anodized Finish, Add</i>	269.64	
			<i>For Kynar™ Standard Colors Finish, Add</i>	370.76	
08 91	16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	829.54	30.85
			<i>For Flange Frame, Add</i>	76.78	
			<i>For Clear Lacquer Finish, Add</i>	153.57	
			<i>For Baked Enamel Standard Colors, Add</i>	230.35	
			<i>For Anodized Finish, Add</i>	307.13	
			<i>For Kynar™ Standard Colors Finish, Add</i>	422.31	
08 91	16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	929.88	34.15
			<i>For Flange Frame, Add</i>	86.16	
			<i>For Clear Lacquer Finish, Add</i>	172.31	
			<i>For Baked Enamel Standard Colors, Add</i>	258.47	
			<i>For Anodized Finish, Add</i>	344.62	
			<i>For Kynar™ Standard Colors Finish, Add</i>	473.86	
08 91	16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,052.41	36.36
			<i>For Flange Frame, Add</i>	97.97	
			<i>For Clear Lacquer Finish, Add</i>	195.94	
			<i>For Baked Enamel Standard Colors, Add</i>	293.91	
			<i>For Anodized Finish, Add</i>	391.88	
			<i>For Kynar™ Standard Colors Finish, Add</i>	538.83	
08 91	16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,155.33	39.66
			<i>For Flange Frame, Add</i>	107.60	
			<i>For Clear Lacquer Finish, Add</i>	215.20	
			<i>For Baked Enamel Standard Colors, Add</i>	322.80	
			<i>For Anodized Finish, Add</i>	430.40	
			<i>For Kynar™ Standard Colors Finish, Add</i>	591.79	
08 91	16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,240.62	41.87
			<i>For Flange Frame, Add</i>	115.69	
			<i>For Clear Lacquer Finish, Add</i>	231.38	
			<i>For Baked Enamel Standard Colors, Add</i>	347.06	
			<i>For Anodized Finish, Add</i>	462.75	
			<i>For Kynar™ Standard Colors Finish, Add</i>	636.28	
08 91	16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,331.61	46.28
			<i>For Flange Frame, Add</i>	123.91	
			<i>For Clear Lacquer Finish, Add</i>	247.81	
			<i>For Baked Enamel Standard Colors, Add</i>	371.72	
			<i>For Anodized Finish, Add</i>	495.62	
			<i>For Kynar™ Standard Colors Finish, Add</i>	681.48	
08 91	16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,419.75	49.59
			<i>For Flange Frame, Add</i>	132.06	
			<i>For Clear Lacquer Finish, Add</i>	264.12	
			<i>For Baked Enamel Standard Colors, Add</i>	396.18	
			<i>For Anodized Finish, Add</i>	528.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	726.32	
08 91	16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,533.31	51.78
			<i>For Flange Frame, Add</i>	142.97	
			<i>For Clear Lacquer Finish, Add</i>	285.95	
			<i>For Baked Enamel Standard Colors, Add</i>	428.92	
			<i>For Anodized Finish, Add</i>	571.89	
			<i>For Kynar™ Standard Colors Finish, Add</i>	786.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0059	EA		30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,631.45	53.99
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	152.35	
			For Clear Lacquer Finish, Add	304.69	
			For Baked Enamel Standard Colors, Add	457.04	
			For Anodized Finish, Add	609.39	
			For Kynar™ Standard Colors Finish, Add	837.91	
08 91 16 00-0060	EA		30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,749.77	57.29
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	163.52	
			For Clear Lacquer Finish, Add	327.03	
			For Baked Enamel Standard Colors, Add	490.55	
			For Anodized Finish, Add	654.07	
			For Kynar™ Standard Colors Finish, Add	899.34	
08 91 16 00-0061	EA		30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,843.05	60.60
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	172.18	
			For Clear Lacquer Finish, Add	344.37	
			For Baked Enamel Standard Colors, Add	516.55	
			For Anodized Finish, Add	688.74	
			For Kynar™ Standard Colors Finish, Add	947.01	
08 91 16 00-0062	EA		36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	429.73	18.73
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	39.23	
			For Clear Lacquer Finish, Add	78.45	
			For Baked Enamel Standard Colors, Add	117.68	
			For Anodized Finish, Add	156.90	
			For Kynar™ Standard Colors Finish, Add	215.74	
08 91 16 00-0063	EA		36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	583.27	24.24
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	53.48	
			For Clear Lacquer Finish, Add	106.96	
			For Baked Enamel Standard Colors, Add	160.44	
			For Anodized Finish, Add	213.92	
			For Kynar™ Standard Colors Finish, Add	294.13	
08 91 16 00-0064	EA		36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	682.98	27.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	62.79	
			For Clear Lacquer Finish, Add	125.58	
			For Baked Enamel Standard Colors, Add	188.36	
			For Anodized Finish, Add	251.15	
			For Kynar™ Standard Colors Finish, Add	345.33	
08 91 16 00-0065	EA		36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	802.58	30.85
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	74.09	
			For Clear Lacquer Finish, Add	148.17	
			For Baked Enamel Standard Colors, Add	222.26	
			For Anodized Finish, Add	296.35	
			For Kynar™ Standard Colors Finish, Add	407.48	
08 91 16 00-0066	EA		36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	913.79	33.50
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	84.68	
			For Clear Lacquer Finish, Add	169.36	
			For Baked Enamel Standard Colors, Add	254.04	
			For Anodized Finish, Add	338.72	
			For Kynar™ Standard Colors Finish, Add	465.74	
08 91 16 00-0067	EA		36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,017.74	36.36
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	94.50	
			For Clear Lacquer Finish, Add	189.00	
			For Baked Enamel Standard Colors, Add	283.51	
			For Anodized Finish, Add	378.01	
			For Kynar™ Standard Colors Finish, Add	519.76	
08 91 16 00-0068	EA		36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,155.05	38.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	107.79	
			For Clear Lacquer Finish, Add	215.58	
			For Baked Enamel Standard Colors, Add	323.38	
			For Anodized Finish, Add	431.17	
			For Kynar™ Standard Colors Finish, Add	592.86	
08 91 16 00-0069	EA		36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,271.44	41.87
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	118.77	
			For Clear Lacquer Finish, Add	237.54	
			For Baked Enamel Standard Colors, Add	356.31	
			For Anodized Finish, Add	475.08	
			For Kynar™ Standard Colors Finish, Add	653.24	
08 91 16 00-0070	EA		36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,365.36	45.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	127.50	
			For Clear Lacquer Finish, Add	255.00	
			For Baked Enamel Standard Colors, Add	382.50	
			For Anodized Finish, Add	510.00	
			For Kynar™ Standard Colors Finish, Add	701.26	
08 91 16 00-0071	EA		36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,461.86	48.48
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	136.49	
			For Clear Lacquer Finish, Add	272.98	
			For Baked Enamel Standard Colors, Add	409.47	
			For Anodized Finish, Add	545.96	
			For Kynar™ Standard Colors Finish, Add	750.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,561.56	51.78
			<i>For Flange Frame, Add</i>	145.80	
			<i>For Clear Lacquer Finish, Add</i>	291.60	
			<i>For Baked Enamel Standard Colors, Add</i>	437.39	
			<i>For Anodized Finish, Add</i>	583.19	
			<i>For Kynar™ Standard Colors Finish, Add</i>	801.89	
08 91	16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,686.02	53.99
			<i>For Flange Frame, Add</i>	157.80	
			<i>For Clear Lacquer Finish, Add</i>	315.61	
			<i>For Baked Enamel Standard Colors, Add</i>	473.41	
			<i>For Anodized Finish, Add</i>	631.22	
			<i>For Kynar™ Standard Colors Finish, Add</i>	867.92	
08 91	16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,791.86	56.20
			<i>For Flange Frame, Add</i>	167.95	
			<i>For Clear Lacquer Finish, Add</i>	335.89	
			<i>For Baked Enamel Standard Colors, Add</i>	503.84	
			<i>For Anodized Finish, Add</i>	671.79	
			<i>For Kynar™ Standard Colors Finish, Add</i>	923.71	
08 91	16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,926.23	59.50
			<i>For Flange Frame, Add</i>	180.72	
			<i>For Clear Lacquer Finish, Add</i>	361.45	
			<i>For Baked Enamel Standard Colors, Add</i>	542.17	
			<i>For Anodized Finish, Add</i>	722.89	
			<i>For Kynar™ Standard Colors Finish, Add</i>	993.98	
08 91	16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,025.29	62.80
			<i>For Flange Frame, Add</i>	189.97	
			<i>For Clear Lacquer Finish, Add</i>	379.94	
			<i>For Baked Enamel Standard Colors, Add</i>	569.90	
			<i>For Anodized Finish, Add</i>	759.87	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,044.82	
08 91	16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	492.55	20.93
			<i>For Flange Frame, Add</i>	45.07	
			<i>For Clear Lacquer Finish, Add</i>	90.14	
			<i>For Baked Enamel Standard Colors, Add</i>	135.20	
			<i>For Anodized Finish, Add</i>	180.27	
			<i>For Kynar™ Standard Colors Finish, Add</i>	247.87	
08 91	16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	628.76	26.45
			<i>For Flange Frame, Add</i>	57.59	
			<i>For Clear Lacquer Finish, Add</i>	115.17	
			<i>For Baked Enamel Standard Colors, Add</i>	172.76	
			<i>For Anodized Finish, Add</i>	230.35	
			<i>For Kynar™ Standard Colors Finish, Add</i>	316.73	
08 91	16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	740.02	29.75
			<i>For Flange Frame, Add</i>	68.05	
			<i>For Clear Lacquer Finish, Add</i>	136.10	
			<i>For Baked Enamel Standard Colors, Add</i>	204.16	
			<i>For Anodized Finish, Add</i>	272.21	
			<i>For Kynar™ Standard Colors Finish, Add</i>	374.29	
08 91	16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	866.33	34.15
			<i>For Flange Frame, Add</i>	79.80	
			<i>For Clear Lacquer Finish, Add</i>	159.60	
			<i>For Baked Enamel Standard Colors, Add</i>	239.40	
			<i>For Anodized Finish, Add</i>	319.20	
			<i>For Kynar™ Standard Colors Finish, Add</i>	438.91	
08 91	16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	985.64	36.36
			<i>For Flange Frame, Add</i>	91.29	
			<i>For Clear Lacquer Finish, Add</i>	182.58	
			<i>For Baked Enamel Standard Colors, Add</i>	273.88	
			<i>For Anodized Finish, Add</i>	365.17	
			<i>For Kynar™ Standard Colors Finish, Add</i>	502.11	
08 91	16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,098.55	38.57
			<i>For Flange Frame, Add</i>	102.14	
			<i>For Clear Lacquer Finish, Add</i>	204.28	
			<i>For Baked Enamel Standard Colors, Add</i>	306.43	
			<i>For Anodized Finish, Add</i>	408.57	
			<i>For Kynar™ Standard Colors Finish, Add</i>	561.78	
08 91	16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,248.04	40.77
			<i>For Flange Frame, Add</i>	116.65	
			<i>For Clear Lacquer Finish, Add</i>	233.30	
			<i>For Baked Enamel Standard Colors, Add</i>	349.95	
			<i>For Anodized Finish, Add</i>	466.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	641.58	
08 91	16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,366.37	44.08
			<i>For Flange Frame, Add</i>	127.82	
			<i>For Clear Lacquer Finish, Add</i>	255.64	
			<i>For Baked Enamel Standard Colors, Add</i>	383.47	
			<i>For Anodized Finish, Add</i>	511.29	
			<i>For Kynar™ Standard Colors Finish, Add</i>	703.02	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0085	EA		42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,472.49	47.38
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	137.77	
			For Clear Lacquer Finish, Add	275.55	
			For Baked Enamel Standard Colors, Add	413.32	
			For Anodized Finish, Add	551.09	
			For Kynar™ Standard Colors Finish, Add	757.75	
08 91 16 00-0086	EA		42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,571.55	50.68
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	147.02	
			For Clear Lacquer Finish, Add	294.04	
			For Baked Enamel Standard Colors, Add	441.05	
			For Anodized Finish, Add	588.07	
			For Kynar™ Standard Colors Finish, Add	808.60	
08 91 16 00-0087	EA		42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,680.24	53.99
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	157.23	
			For Clear Lacquer Finish, Add	314.45	
			For Baked Enamel Standard Colors, Add	471.68	
			For Anodized Finish, Add	628.90	
			For Kynar™ Standard Colors Finish, Add	864.74	
08 91 16 00-0088	EA		42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,814.33	56.20
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	170.19	
			For Clear Lacquer Finish, Add	340.39	
			For Baked Enamel Standard Colors, Add	510.58	
			For Anodized Finish, Add	680.78	
			For Kynar™ Standard Colors Finish, Add	936.07	
08 91 16 00-0089	EA		42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,930.44	58.40
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	181.37	
			For Clear Lacquer Finish, Add	362.73	
			For Baked Enamel Standard Colors, Add	544.10	
			For Anodized Finish, Add	725.46	
			For Kynar™ Standard Colors Finish, Add	997.51	
08 91 16 00-0090	EA		42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,081.51	61.71
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	195.81	
			For Clear Lacquer Finish, Add	391.62	
			For Baked Enamel Standard Colors, Add	587.43	
			For Anodized Finish, Add	783.24	
			For Kynar™ Standard Colors Finish, Add	1,076.96	
08 91 16 00-0091	EA		42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,185.06	65.01
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	205.50	
			For Clear Lacquer Finish, Add	411.01	
			For Baked Enamel Standard Colors, Add	616.51	
			For Anodized Finish, Add	822.02	
			For Kynar™ Standard Colors Finish, Add	1,130.27	
08 91 16 00-0092	EA		48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	532.27	23.14
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	48.60	
			For Clear Lacquer Finish, Add	97.20	
			For Baked Enamel Standard Colors, Add	145.80	
			For Anodized Finish, Add	194.40	
			For Kynar™ Standard Colors Finish, Add	267.29	
08 91 16 00-0093	EA		48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	677.46	28.65
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	62.02	
			For Clear Lacquer Finish, Add	124.03	
			For Baked Enamel Standard Colors, Add	186.05	
			For Anodized Finish, Add	248.07	
			For Kynar™ Standard Colors Finish, Add	341.09	
08 91 16 00-0094	EA		48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	803.13	33.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	73.70	
			For Clear Lacquer Finish, Add	147.40	
			For Baked Enamel Standard Colors, Add	221.11	
			For Anodized Finish, Add	294.81	
			For Kynar™ Standard Colors Finish, Add	405.36	
08 91 16 00-0095	EA		48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	934.28	36.36
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	86.16	
			For Clear Lacquer Finish, Add	172.31	
			For Baked Enamel Standard Colors, Add	258.47	
			For Anodized Finish, Add	344.62	
			For Kynar™ Standard Colors Finish, Add	473.86	
08 91 16 00-0096	EA		48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,066.45	38.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	98.93	
			For Clear Lacquer Finish, Add	197.86	
			For Baked Enamel Standard Colors, Add	296.80	
			For Anodized Finish, Add	395.73	
			For Kynar™ Standard Colors Finish, Add	544.13	
08 91 16 00-0097	EA		48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,194.12	40.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	111.26	
			For Clear Lacquer Finish, Add	222.52	
			For Baked Enamel Standard Colors, Add	333.78	
			For Anodized Finish, Add	445.04	
			For Kynar™ Standard Colors Finish, Add	611.92	


 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,352.25	44.08
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	126.41	
		For Clear Lacquer Finish, Add	252.82	
		For Baked Enamel Standard Colors, Add	379.23	
		For Anodized Finish, Add	505.64	
		For Kynar™ Standard Colors Finish, Add	695.26	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,482.12	47.38
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	138.74	
		For Clear Lacquer Finish, Add	277.47	
		For Baked Enamel Standard Colors, Add	416.21	
		For Anodized Finish, Add	554.94	
		For Kynar™ Standard Colors Finish, Add	763.05	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,594.02	50.68
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	149.27	
		For Clear Lacquer Finish, Add	298.53	
		For Baked Enamel Standard Colors, Add	447.80	
		For Anodized Finish, Add	597.06	
		For Kynar™ Standard Colors Finish, Add	820.96	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,707.84	53.99
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	159.99	
		For Clear Lacquer Finish, Add	319.97	
		For Baked Enamel Standard Colors, Add	479.96	
		For Anodized Finish, Add	639.94	
		For Kynar™ Standard Colors Finish, Add	879.92	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,819.11	57.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	170.45	
		For Clear Lacquer Finish, Add	340.90	
		For Baked Enamel Standard Colors, Add	511.35	
		For Anodized Finish, Add	681.80	
		For Kynar™ Standard Colors Finish, Add	937.48	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	1,971.17	59.50
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	185.22	
		For Clear Lacquer Finish, Add	370.43	
		For Baked Enamel Standard Colors, Add	555.65	
		For Anodized Finish, Add	740.87	
		For Kynar™ Standard Colors Finish, Add	1,018.69	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,096.92	61.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	197.35	
		For Clear Lacquer Finish, Add	394.70	
		For Baked Enamel Standard Colors, Add	592.05	
		For Anodized Finish, Add	789.40	
		For Kynar™ Standard Colors Finish, Add	1,085.43	
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,252.84	63.91
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	212.50	
		For Clear Lacquer Finish, Add	425.00	
		For Baked Enamel Standard Colors, Add	637.51	
		For Anodized Finish, Add	850.01	
		For Kynar™ Standard Colors Finish, Add	1,168.76	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,367.30	67.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	223.29	
		For Clear Lacquer Finish, Add	446.58	
		For Baked Enamel Standard Colors, Add	669.86	
		For Anodized Finish, Add	893.15	
		For Kynar™ Standard Colors Finish, Add	1,228.08	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	618.49	26.45
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	56.56	
		For Clear Lacquer Finish, Add	113.12	
		For Baked Enamel Standard Colors, Add	169.68	
		For Anodized Finish, Add	226.24	
		For Kynar™ Standard Colors Finish, Add	311.08	
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	795.79	31.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	73.19	
		For Clear Lacquer Finish, Add	146.38	
		For Baked Enamel Standard Colors, Add	219.56	
		For Anodized Finish, Add	292.75	
		For Kynar™ Standard Colors Finish, Add	402.53	
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	932.63	37.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	85.77	
		For Clear Lacquer Finish, Add	171.54	
		For Baked Enamel Standard Colors, Add	257.31	
		For Anodized Finish, Add	343.08	
		For Kynar™ Standard Colors Finish, Add	471.74	
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,076.37	39.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	99.70	
		For Clear Lacquer Finish, Add	199.41	
		For Baked Enamel Standard Colors, Add	299.11	
		For Anodized Finish, Add	398.81	
		For Kynar™ Standard Colors Finish, Add	548.37	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,232.92 114.92 229.84 344.75 459.67 632.05	41.87
08 91	16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,372.79 128.46 256.93 385.39 513.86 706.55	44.08
08 91	16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,557.24 146.25 292.50 438.74 584.99 804.36	47.38
08 91	16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,736.54 163.52 327.03 490.55 654.07 899.34	50.68
08 91	16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,869.63 176.17 352.33 528.50 704.66 968.91	53.99
08 91	16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,000.80 188.62 377.24 565.86 754.48 1,037.41	57.29
08 91	16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,128.46 200.95 401.89 602.84 803.78 1,105.20	59.50
08 91	16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,298.51 217.51 435.02 652.53 870.04 1,196.31	61.71
08 91	16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,439.66 231.18 462.37 693.55 924.74 1,271.51	63.91
08 91	16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,622.55 249.03 498.06 747.10 996.13 1,369.68	66.11
08 91	16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,756.92 261.81 523.62 785.42 1,047.23 1,439.94	69.41
08 91	16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	655.63 59.83 119.67 179.50 239.34 329.09	28.65
08 91	16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	846.70 77.62 155.24 232.85 310.47 426.90	35.26



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	988.41	39.66
			<i>For Flange Frame, Add</i>	90.91	
			<i>For Clear Lacquer Finish, Add</i>	181.81	
			<i>For Baked Enamel Standard Colors, Add</i>	272.72	
			<i>For Anodized Finish, Add</i>	363.63	
			<i>For Kynar™ Standard Colors Finish, Add</i>	499.99	
08 91	16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,146.89	41.87
			<i>For Flange Frame, Add</i>	106.32	
			<i>For Clear Lacquer Finish, Add</i>	212.63	
			<i>For Baked Enamel Standard Colors, Add</i>	318.95	
			<i>For Anodized Finish, Add</i>	425.26	
			<i>For Kynar™ Standard Colors Finish, Add</i>	584.73	
08 91	16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,311.43	45.17
			<i>For Flange Frame, Add</i>	122.11	
			<i>For Clear Lacquer Finish, Add</i>	244.22	
			<i>For Baked Enamel Standard Colors, Add</i>	366.32	
			<i>For Anodized Finish, Add</i>	488.43	
			<i>For Kynar™ Standard Colors Finish, Add</i>	671.59	
08 91	16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,459.65	47.38
			<i>For Flange Frame, Add</i>	136.49	
			<i>For Clear Lacquer Finish, Add</i>	272.98	
			<i>For Baked Enamel Standard Colors, Add</i>	409.47	
			<i>For Anodized Finish, Add</i>	545.96	
			<i>For Kynar™ Standard Colors Finish, Add</i>	750.69	
08 91	16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,657.58	50.68
			<i>For Flange Frame, Add</i>	155.62	
			<i>For Clear Lacquer Finish, Add</i>	311.24	
			<i>For Baked Enamel Standard Colors, Add</i>	466.86	
			<i>For Anodized Finish, Add</i>	622.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	855.92	
08 91	16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,842.02	53.99
			<i>For Flange Frame, Add</i>	173.40	
			<i>For Clear Lacquer Finish, Add</i>	346.81	
			<i>For Baked Enamel Standard Colors, Add</i>	520.21	
			<i>For Anodized Finish, Add</i>	693.62	
			<i>For Kynar™ Standard Colors Finish, Add</i>	953.72	
08 91	16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,984.75	57.29
			<i>For Flange Frame, Add</i>	187.02	
			<i>For Clear Lacquer Finish, Add</i>	374.03	
			<i>For Baked Enamel Standard Colors, Add</i>	561.05	
			<i>For Anodized Finish, Add</i>	748.06	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,028.58	
08 91	16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,124.89	60.60
			<i>For Flange Frame, Add</i>	200.37	
			<i>For Clear Lacquer Finish, Add</i>	400.74	
			<i>For Baked Enamel Standard Colors, Add</i>	601.10	
			<i>For Anodized Finish, Add</i>	801.47	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,102.02	
08 91	16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,260.90	62.80
			<i>For Flange Frame, Add</i>	213.53	
			<i>For Clear Lacquer Finish, Add</i>	427.06	
			<i>For Baked Enamel Standard Colors, Add</i>	640.59	
			<i>For Anodized Finish, Add</i>	854.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,174.41	
08 91	16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,445.71	65.01
			<i>For Flange Frame, Add</i>	231.57	
			<i>For Clear Lacquer Finish, Add</i>	463.14	
			<i>For Baked Enamel Standard Colors, Add</i>	694.71	
			<i>For Anodized Finish, Add</i>	926.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,273.63	
08 91	16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,593.92	67.22
			<i>For Flange Frame, Add</i>	245.95	
			<i>For Clear Lacquer Finish, Add</i>	491.90	
			<i>For Baked Enamel Standard Colors, Add</i>	737.85	
			<i>For Anodized Finish, Add</i>	983.80	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,352.73	
08 91	16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,786.45	69.41
			<i>For Flange Frame, Add</i>	264.76	
			<i>For Clear Lacquer Finish, Add</i>	529.52	
			<i>For Baked Enamel Standard Colors, Add</i>	794.28	
			<i>For Anodized Finish, Add</i>	1,059.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,456.19	
08 91	16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,926.95	71.62
			<i>For Flange Frame, Add</i>	278.37	
			<i>For Clear Lacquer Finish, Add</i>	556.74	
			<i>For Baked Enamel Standard Colors, Add</i>	835.11	
			<i>For Anodized Finish, Add</i>	1,113.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,531.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 91 16 00-0137 Adjustable Intake Wall Louvers Operators (08 91 16)

08 91 16 00-0138	EA		5' Chain Actuator For Adjustable Intake Louver.....	160.70	11.02
08 91 16 00-0139	EA		Panel Crank For Adjustable Intake Louver	379.90	4.40

08 91 19 Fixed Louvers (08 91)

08 91 19 00-0001 Fixed Intake Wall Louvers (08 91 19)

08 91 19 00-0002	EA		12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	213.72	9.91
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	19.39	
			For Clear Lacquer Finish, Add	38.78	
			For Baked Enamel Standard Colors, Add	58.16	
			For Anodized Finish, Add	77.55	
			For Kynar™ Standard Colors Finish, Add	106.63	
08 91 19 00-0003	EA		12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	253.43	12.12
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	22.92	
			For Clear Lacquer Finish, Add	45.84	
			For Baked Enamel Standard Colors, Add	68.76	
			For Anodized Finish, Add	91.68	
			For Kynar™ Standard Colors Finish, Add	126.05	
08 91 19 00-0004	EA		12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	293.80	14.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	26.52	
			For Clear Lacquer Finish, Add	53.03	
			For Baked Enamel Standard Colors, Add	79.55	
			For Anodized Finish, Add	106.06	
			For Kynar™ Standard Colors Finish, Add	145.83	
08 91 19 00-0005	EA		12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	345.06	16.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	31.20	
			For Clear Lacquer Finish, Add	62.40	
			For Baked Enamel Standard Colors, Add	93.60	
			For Anodized Finish, Add	124.80	
			For Kynar™ Standard Colors Finish, Add	171.61	
08 91 19 00-0006	EA		12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	388.00	18.73
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	35.05	
			For Clear Lacquer Finish, Add	70.11	
			For Baked Enamel Standard Colors, Add	105.16	
			For Anodized Finish, Add	140.21	
			For Kynar™ Standard Colors Finish, Add	192.79	
08 91 19 00-0007	EA		12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	459.17	20.93
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	41.73	
			For Clear Lacquer Finish, Add	83.46	
			For Baked Enamel Standard Colors, Add	125.19	
			For Anodized Finish, Add	166.92	
			For Kynar™ Standard Colors Finish, Add	229.52	
08 91 19 00-0008	EA		12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	496.96	23.14
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	45.07	
			For Clear Lacquer Finish, Add	90.14	
			For Baked Enamel Standard Colors, Add	135.20	
			For Anodized Finish, Add	180.27	
			For Kynar™ Standard Colors Finish, Add	247.87	
08 91 19 00-0009	EA		12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	554.93	26.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	50.20	
			For Clear Lacquer Finish, Add	100.41	
			For Baked Enamel Standard Colors, Add	150.61	
			For Anodized Finish, Add	200.82	
			For Kynar™ Standard Colors Finish, Add	276.12	
08 91 19 00-0010	EA		12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	589.51	28.65
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	53.22	
			For Clear Lacquer Finish, Add	106.44	
			For Baked Enamel Standard Colors, Add	159.67	
			For Anodized Finish, Add	212.89	
			For Kynar™ Standard Colors Finish, Add	292.72	
08 91 19 00-0011	EA		12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	637.58	30.85
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	57.59	
			For Clear Lacquer Finish, Add	115.17	
			For Baked Enamel Standard Colors, Add	172.76	
			For Anodized Finish, Add	230.35	
			For Kynar™ Standard Colors Finish, Add	316.73	
08 91 19 00-0012	EA		12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	679.22	33.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	61.31	
			For Clear Lacquer Finish, Add	122.62	
			For Baked Enamel Standard Colors, Add	183.93	
			For Anodized Finish, Add	245.24	
			For Kynar™ Standard Colors Finish, Add	337.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	729.21	35.26
			<i>For Flange Frame, Add</i>	65.87	
			<i>For Clear Lacquer Finish, Add</i>	131.74	
			<i>For Baked Enamel Standard Colors, Add</i>	197.61	
			<i>For Anodized Finish, Add</i>	263.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	362.28	
08 91	19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	775.98	37.47
			<i>For Flange Frame, Add</i>	70.11	
			<i>For Clear Lacquer Finish, Add</i>	140.21	
			<i>For Baked Enamel Standard Colors, Add</i>	210.32	
			<i>For Anodized Finish, Add</i>	280.42	
			<i>For Kynar™ Standard Colors Finish, Add</i>	385.58	
08 91	19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	815.98	40.77
			<i>For Flange Frame, Add</i>	73.45	
			<i>For Clear Lacquer Finish, Add</i>	146.89	
			<i>For Baked Enamel Standard Colors, Add</i>	220.34	
			<i>For Anodized Finish, Add</i>	293.78	
			<i>For Kynar™ Standard Colors Finish, Add</i>	403.95	
08 91	19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	870.75	44.08
			<i>For Flange Frame, Add</i>	78.26	
			<i>For Clear Lacquer Finish, Add</i>	156.52	
			<i>For Baked Enamel Standard Colors, Add</i>	234.78	
			<i>For Anodized Finish, Add</i>	313.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	430.43	
08 91	19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	247.66	12.12
			<i>For Flange Frame, Add</i>	22.34	
			<i>For Clear Lacquer Finish, Add</i>	44.68	
			<i>For Baked Enamel Standard Colors, Add</i>	67.03	
			<i>For Anodized Finish, Add</i>	89.37	
			<i>For Kynar™ Standard Colors Finish, Add</i>	122.88	
08 91	19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	296.00	15.42
			<i>For Flange Frame, Add</i>	26.52	
			<i>For Clear Lacquer Finish, Add</i>	53.03	
			<i>For Baked Enamel Standard Colors, Add</i>	79.55	
			<i>For Anodized Finish, Add</i>	106.06	
			<i>For Kynar™ Standard Colors Finish, Add</i>	145.83	
08 91	19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	343.42	17.63
			<i>For Flange Frame, Add</i>	30.82	
			<i>For Clear Lacquer Finish, Add</i>	61.63	
			<i>For Baked Enamel Standard Colors, Add</i>	92.45	
			<i>For Anodized Finish, Add</i>	123.26	
			<i>For Kynar™ Standard Colors Finish, Add</i>	169.49	
08 91	19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	430.56	22.03
			<i>For Flange Frame, Add</i>	38.65	
			<i>For Clear Lacquer Finish, Add</i>	77.30	
			<i>For Baked Enamel Standard Colors, Add</i>	115.94	
			<i>For Anodized Finish, Add</i>	154.59	
			<i>For Kynar™ Standard Colors Finish, Add</i>	212.56	
08 91	19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	495.31	24.24
			<i>For Flange Frame, Add</i>	44.68	
			<i>For Clear Lacquer Finish, Add</i>	89.37	
			<i>For Baked Enamel Standard Colors, Add</i>	134.05	
			<i>For Anodized Finish, Add</i>	178.73	
			<i>For Kynar™ Standard Colors Finish, Add</i>	245.76	
08 91	19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	552.37	26.45
			<i>For Flange Frame, Add</i>	49.95	
			<i>For Clear Lacquer Finish, Add</i>	99.90	
			<i>For Baked Enamel Standard Colors, Add</i>	149.84	
			<i>For Anodized Finish, Add</i>	199.79	
			<i>For Kynar™ Standard Colors Finish, Add</i>	274.71	
08 91	19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	592.08	28.65
			<i>For Flange Frame, Add</i>	53.48	
			<i>For Clear Lacquer Finish, Add</i>	106.96	
			<i>For Baked Enamel Standard Colors, Add</i>	160.44	
			<i>For Anodized Finish, Add</i>	213.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	294.13	
08 91	19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	659.04	31.96
			<i>For Flange Frame, Add</i>	59.51	
			<i>For Clear Lacquer Finish, Add</i>	119.03	
			<i>For Baked Enamel Standard Colors, Add</i>	178.54	
			<i>For Anodized Finish, Add</i>	238.05	
			<i>For Kynar™ Standard Colors Finish, Add</i>	327.32	
08 91	19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	704.82	35.26
			<i>For Flange Frame, Add</i>	63.43	
			<i>For Clear Lacquer Finish, Add</i>	126.86	
			<i>For Baked Enamel Standard Colors, Add</i>	190.29	
			<i>For Anodized Finish, Add</i>	253.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	348.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	767.00	37.47
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	69.21	
			For Clear Lacquer Finish, Add	138.42	
			For Baked Enamel Standard Colors, Add	207.62	
			For Anodized Finish, Add	276.83	
			For Kynar™ Standard Colors Finish, Add	380.64	
08 91	19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	813.79	39.66
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	73.45	
			For Clear Lacquer Finish, Add	146.89	
			For Baked Enamel Standard Colors, Add	220.34	
			For Anodized Finish, Add	293.78	
			For Kynar™ Standard Colors Finish, Add	403.95	
08 91	19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	866.34	41.87
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	78.26	
			For Clear Lacquer Finish, Add	156.52	
			For Baked Enamel Standard Colors, Add	234.78	
			For Anodized Finish, Add	313.04	
			For Kynar™ Standard Colors Finish, Add	430.43	
08 91	19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	921.47	44.08
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	83.33	
			For Clear Lacquer Finish, Add	166.66	
			For Baked Enamel Standard Colors, Add	250.00	
			For Anodized Finish, Add	333.33	
			For Kynar™ Standard Colors Finish, Add	458.33	
08 91	19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	968.52	47.38
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	87.38	
			For Clear Lacquer Finish, Add	174.75	
			For Baked Enamel Standard Colors, Add	262.13	
			For Anodized Finish, Add	349.50	
			For Kynar™ Standard Colors Finish, Add	480.57	
08 91	19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,035.48	50.68
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	93.41	
			For Clear Lacquer Finish, Add	186.82	
			For Baked Enamel Standard Colors, Add	280.23	
			For Anodized Finish, Add	373.64	
			For Kynar™ Standard Colors Finish, Add	513.76	
08 91	19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	286.09	14.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	25.74	
			For Clear Lacquer Finish, Add	51.49	
			For Baked Enamel Standard Colors, Add	77.23	
			For Anodized Finish, Add	102.98	
			For Kynar™ Standard Colors Finish, Add	141.59	
08 91	19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	340.21	17.63
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	30.50	
			For Clear Lacquer Finish, Add	60.99	
			For Baked Enamel Standard Colors, Add	91.49	
			For Anodized Finish, Add	121.98	
			For Kynar™ Standard Colors Finish, Add	167.72	
08 91	19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	422.58	20.93
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	38.07	
			For Clear Lacquer Finish, Add	76.14	
			For Baked Enamel Standard Colors, Add	114.21	
			For Anodized Finish, Add	152.28	
			For Kynar™ Standard Colors Finish, Add	209.39	
08 91	19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	497.51	25.35
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	44.68	
			For Clear Lacquer Finish, Add	89.37	
			For Baked Enamel Standard Colors, Add	134.05	
			For Anodized Finish, Add	178.73	
			For Kynar™ Standard Colors Finish, Add	245.76	
08 91	19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	571.27	27.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	51.62	
			For Clear Lacquer Finish, Add	103.23	
			For Baked Enamel Standard Colors, Add	154.85	
			For Anodized Finish, Add	206.47	
			For Kynar™ Standard Colors Finish, Add	283.89	
08 91	19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	639.23	29.75
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	57.97	
			For Clear Lacquer Finish, Add	115.95	
			For Baked Enamel Standard Colors, Add	173.92	
			For Anodized Finish, Add	231.89	
			For Kynar™ Standard Colors Finish, Add	318.85	
08 91	19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	693.99	33.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	62.79	
			For Clear Lacquer Finish, Add	125.58	
			For Baked Enamel Standard Colors, Add	188.36	
			For Anodized Finish, Add	251.15	
			For Kynar™ Standard Colors Finish, Add	345.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	767.00	37.47
			<i>For Flange Frame, Add</i>	69.21	
			<i>For Clear Lacquer Finish, Add</i>	138.42	
			<i>For Baked Enamel Standard Colors, Add</i>	207.62	
			<i>For Anodized Finish, Add</i>	276.83	
			<i>For Kynar™ Standard Colors Finish, Add</i>	380.64	
08 91	19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	816.36	39.66
			<i>For Flange Frame, Add</i>	73.70	
			<i>For Clear Lacquer Finish, Add</i>	147.40	
			<i>For Baked Enamel Standard Colors, Add</i>	221.11	
			<i>For Anodized Finish, Add</i>	294.81	
			<i>For Kynar™ Standard Colors Finish, Add</i>	405.36	
08 91	19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	896.43	44.08
			<i>For Flange Frame, Add</i>	80.83	
			<i>For Clear Lacquer Finish, Add</i>	161.66	
			<i>For Baked Enamel Standard Colors, Add</i>	242.48	
			<i>For Anodized Finish, Add</i>	323.31	
			<i>For Kynar™ Standard Colors Finish, Add</i>	444.55	
08 91	19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	947.69	46.28
			<i>For Flange Frame, Add</i>	85.51	
			<i>For Clear Lacquer Finish, Add</i>	171.03	
			<i>For Baked Enamel Standard Colors, Add</i>	256.54	
			<i>For Anodized Finish, Add</i>	342.06	
			<i>For Kynar™ Standard Colors Finish, Add</i>	470.33	
08 91	19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,015.03	48.48
			<i>For Flange Frame, Add</i>	91.81	
			<i>For Clear Lacquer Finish, Add</i>	183.61	
			<i>For Baked Enamel Standard Colors, Add</i>	275.42	
			<i>For Anodized Finish, Add</i>	367.22	
			<i>For Kynar™ Standard Colors Finish, Add</i>	504.93	
08 91	19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,081.06	50.68
			<i>For Flange Frame, Add</i>	97.97	
			<i>For Clear Lacquer Finish, Add</i>	195.94	
			<i>For Baked Enamel Standard Colors, Add</i>	293.91	
			<i>For Anodized Finish, Add</i>	391.88	
			<i>For Kynar™ Standard Colors Finish, Add</i>	538.83	
08 91	19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,129.40	53.99
			<i>For Flange Frame, Add</i>	102.14	
			<i>For Clear Lacquer Finish, Add</i>	204.28	
			<i>For Baked Enamel Standard Colors, Add</i>	306.43	
			<i>For Anodized Finish, Add</i>	408.57	
			<i>For Kynar™ Standard Colors Finish, Add</i>	561.78	
08 91	19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,211.78	57.29
			<i>For Flange Frame, Add</i>	109.72	
			<i>For Clear Lacquer Finish, Add</i>	219.44	
			<i>For Baked Enamel Standard Colors, Add</i>	329.15	
			<i>For Anodized Finish, Add</i>	438.87	
			<i>For Kynar™ Standard Colors Finish, Add</i>	603.45	
08 91	19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	320.02	16.53
			<i>For Flange Frame, Add</i>	28.70	
			<i>For Clear Lacquer Finish, Add</i>	57.39	
			<i>For Baked Enamel Standard Colors, Add</i>	86.09	
			<i>For Anodized Finish, Add</i>	114.79	
			<i>For Kynar™ Standard Colors Finish, Add</i>	157.83	
08 91	19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	413.23	22.03
			<i>For Flange Frame, Add</i>	36.92	
			<i>For Clear Lacquer Finish, Add</i>	73.83	
			<i>For Baked Enamel Standard Colors, Add</i>	110.75	
			<i>For Anodized Finish, Add</i>	147.66	
			<i>For Kynar™ Standard Colors Finish, Add</i>	203.03	
08 91	19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	482.75	25.35
			<i>For Flange Frame, Add</i>	43.21	
			<i>For Clear Lacquer Finish, Add</i>	86.41	
			<i>For Baked Enamel Standard Colors, Add</i>	129.62	
			<i>For Anodized Finish, Add</i>	172.83	
			<i>For Kynar™ Standard Colors Finish, Add</i>	237.64	
08 91	19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	564.47	28.65
			<i>For Flange Frame, Add</i>	50.72	
			<i>For Clear Lacquer Finish, Add</i>	101.44	
			<i>For Baked Enamel Standard Colors, Add</i>	152.15	
			<i>For Anodized Finish, Add</i>	202.87	
			<i>For Kynar™ Standard Colors Finish, Add</i>	278.95	
08 91	19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	653.63	30.85
			<i>For Flange Frame, Add</i>	59.19	
			<i>For Clear Lacquer Finish, Add</i>	118.38	
			<i>For Baked Enamel Standard Colors, Add</i>	177.58	
			<i>For Anodized Finish, Add</i>	236.77	
			<i>For Kynar™ Standard Colors Finish, Add</i>	325.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	727.01 65.87 131.74 197.61 263.48 362.28	34.15
08 91	19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	782.13 70.94 141.88 212.82 283.76 390.18	36.36
08 91	19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	859.37 78.00 156.01 234.01 312.01 429.02	39.66
08 91	19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	921.55 83.78 167.56 251.34 335.12 460.80	41.87
08 91	19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,015.10 92.26 184.51 276.77 369.02 507.40	46.28
08 91	19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,074.36 97.52 195.04 292.56 390.08 536.36	49.59
08 91	19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,146.19 104.26 208.52 312.78 417.04 573.44	51.78
08 91	19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,217.36 110.94 221.88 332.81 443.75 610.16	53.99
08 91	19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,275.34 116.07 232.15 348.22 464.30 638.41	57.29
08 91	19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,369.26 124.81 249.61 374.42 499.22 686.43	60.60
08 91	19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	354.62 31.72 63.43 95.15 126.86 174.43	18.73
08 91	19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	465.78 41.73 83.46 125.19 166.92 229.52	24.24
08 91	19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	539.17 48.41 96.81 145.22 193.63 266.24	27.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	627.31 56.56 113.12 169.68 226.24 311.08	30.85
08 91	19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	727.61 66.06 132.12 198.19 264.25 363.34	33.50
08 91	19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	804.60 73.19 146.38 219.56 292.75 402.53	36.36
08 91	19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	871.28 79.42 158.83 238.25 317.66 436.78	38.57
08 91	19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	960.07 87.63 175.27 262.90 350.53 481.98	41.87
08 91	19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,026.39 93.60 187.21 280.81 374.42 514.82	45.17
08 91	19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,133.80 103.68 207.37 311.05 414.73 570.26	48.48
08 91	19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,203.33 109.98 219.95 329.93 439.90 604.86	51.78
08 91	19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,280.27 117.23 234.46 351.69 468.92 644.76	53.99
08 91	19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,360.44 124.81 249.61 374.42 499.22 686.43	56.20
08 91	19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,427.40 130.84 261.68 392.52 523.36 719.62	59.50
08 91	19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,534.16 140.86 281.71 422.57 563.42 774.70	62.80
08 91	19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	413.59 37.17 74.34 111.52 148.69 204.45	20.93



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	506.14	26.45
			Note: Includes bird screen.		
			For Flange Frame, Add	45.33	
			For Clear Lacquer Finish, Add	90.65	
			For Baked Enamel Standard Colors, Add	135.98	
			For Anodized Finish, Add	181.30	
			For Kynar™ Standard Colors Finish, Add	249.29	
08 91	19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	587.87	29.75
			Note: Includes bird screen.		
			For Flange Frame, Add	52.84	
			For Clear Lacquer Finish, Add	105.67	
			For Baked Enamel Standard Colors, Add	158.51	
			For Anodized Finish, Add	211.35	
			For Kynar™ Standard Colors Finish, Add	290.60	
08 91	19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	688.49	34.15
			Note: Includes bird screen.		
			For Flange Frame, Add	62.02	
			For Clear Lacquer Finish, Add	124.03	
			For Baked Enamel Standard Colors, Add	186.05	
			For Anodized Finish, Add	248.07	
			For Kynar™ Standard Colors Finish, Add	341.09	
08 91	19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	798.18	36.36
			Note: Includes bird screen.		
			For Flange Frame, Add	72.55	
			For Clear Lacquer Finish, Add	145.09	
			For Baked Enamel Standard Colors, Add	217.64	
			For Anodized Finish, Add	290.18	
			For Kynar™ Standard Colors Finish, Add	399.00	
08 91	19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	885.41	38.57
			Note: Includes bird screen.		
			For Flange Frame, Add	80.83	
			For Clear Lacquer Finish, Add	161.66	
			For Baked Enamel Standard Colors, Add	242.48	
			For Anodized Finish, Add	323.31	
			For Kynar™ Standard Colors Finish, Add	444.55	
08 91	19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	960.43	40.77
			Note: Includes bird screen.		
			For Flange Frame, Add	87.89	
			For Clear Lacquer Finish, Add	175.78	
			For Baked Enamel Standard Colors, Add	263.67	
			For Anodized Finish, Add	351.56	
			For Kynar™ Standard Colors Finish, Add	483.40	
08 91	19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,049.22	44.08
			Note: Includes bird screen.		
			For Flange Frame, Add	96.11	
			For Clear Lacquer Finish, Add	192.21	
			For Baked Enamel Standard Colors, Add	288.32	
			For Anodized Finish, Add	384.43	
			For Kynar™ Standard Colors Finish, Add	528.59	
08 91	19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,124.53	47.38
			Note: Includes bird screen.		
			For Flange Frame, Add	102.98	
			For Clear Lacquer Finish, Add	205.95	
			For Baked Enamel Standard Colors, Add	308.93	
			For Anodized Finish, Add	411.91	
			For Kynar™ Standard Colors Finish, Add	566.37	
08 91	19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,244.13	50.68
			Note: Includes bird screen.		
			For Flange Frame, Add	114.28	
			For Clear Lacquer Finish, Add	228.55	
			For Baked Enamel Standard Colors, Add	342.83	
			For Anodized Finish, Add	457.10	
			For Kynar™ Standard Colors Finish, Add	628.52	
08 91	19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,319.43	53.99
			Note: Includes bird screen.		
			For Flange Frame, Add	121.15	
			For Clear Lacquer Finish, Add	242.29	
			For Baked Enamel Standard Colors, Add	363.44	
			For Anodized Finish, Add	484.58	
			For Kynar™ Standard Colors Finish, Add	666.30	
08 91	19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,406.66	56.20
			Note: Includes bird screen.		
			For Flange Frame, Add	129.43	
			For Clear Lacquer Finish, Add	258.85	
			For Baked Enamel Standard Colors, Add	388.28	
			For Anodized Finish, Add	517.71	
			For Kynar™ Standard Colors Finish, Add	711.85	
08 91	19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,494.52	58.40
			Note: Includes bird screen.		
			For Flange Frame, Add	137.77	
			For Clear Lacquer Finish, Add	275.55	
			For Baked Enamel Standard Colors, Add	413.32	
			For Anodized Finish, Add	551.09	
			For Kynar™ Standard Colors Finish, Add	757.75	
08 91	19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,574.33	61.71
			Note: Includes bird screen.		
			For Flange Frame, Add	145.09	
			For Clear Lacquer Finish, Add	290.18	
			For Baked Enamel Standard Colors, Add	435.28	
			For Anodized Finish, Add	580.37	
			For Kynar™ Standard Colors Finish, Add	798.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,689.44 155.94 311.88 467.83 623.77 857.68	65.01
08 91	19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	452.02 40.57 81.15 121.72 162.30 223.16	23.14
08 91	19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	553.56 49.63 99.25 148.88 198.51 272.95	28.65
08 91	19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	649.05 58.29 116.59 174.88 233.18 320.62	33.05
08 91	19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	749.39 67.67 135.33 203.00 270.67 372.17	36.36
08 91	19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	875.14 79.80 159.60 239.40 319.20 438.91	38.57
08 91	19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	976.48 89.50 178.99 268.49 357.98 492.22	40.77
08 91	19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,058.21 97.01 194.01 291.02 388.02 533.53	44.08
08 91	19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,189.37 109.46 218.92 328.38 437.84 602.04	47.38
08 91	19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,244.13 114.28 228.55 342.83 457.10 628.52	50.68
08 91	19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,372.08 126.41 252.82 379.23 505.64 695.26	53.99
08 91	19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,459.59 134.50 269.00 403.50 538.00 739.74	57.29
08 91	19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,557.08 143.81 287.62 431.42 575.23 790.94	59.50



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,654.58	61.71
			<i>For Flange Frame, Add</i>	153.12	
			<i>For Clear Lacquer Finish, Add</i>	306.23	
			<i>For Baked Enamel Standard Colors, Add</i>	459.35	
			<i>For Anodized Finish, Add</i>	612.47	
			<i>For Kynar™ Standard Colors Finish, Add</i>	842.14	
08 91	19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,735.39	63.91
			<i>For Flange Frame, Add</i>	160.76	
			<i>For Clear Lacquer Finish, Add</i>	321.51	
			<i>For Baked Enamel Standard Colors, Add</i>	482.27	
			<i>For Anodized Finish, Add</i>	643.03	
			<i>For Kynar™ Standard Colors Finish, Add</i>	884.16	
08 91	19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,868.46	67.22
			<i>For Flange Frame, Add</i>	173.40	
			<i>For Clear Lacquer Finish, Add</i>	346.81	
			<i>For Baked Enamel Standard Colors, Add</i>	520.21	
			<i>For Anodized Finish, Add</i>	693.62	
			<i>For Kynar™ Standard Colors Finish, Add</i>	953.72	
08 91	19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	499.72	26.45
			<i>For Flange Frame, Add</i>	44.68	
			<i>For Clear Lacquer Finish, Add</i>	89.37	
			<i>For Baked Enamel Standard Colors, Add</i>	134.05	
			<i>For Anodized Finish, Add</i>	178.73	
			<i>For Kynar™ Standard Colors Finish, Add</i>	245.76	
08 91	19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	614.10	31.96
			<i>For Flange Frame, Add</i>	55.02	
			<i>For Clear Lacquer Finish, Add</i>	110.04	
			<i>For Baked Enamel Standard Colors, Add</i>	165.06	
			<i>For Anodized Finish, Add</i>	220.08	
			<i>For Kynar™ Standard Colors Finish, Add</i>	302.60	
08 91	19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	718.85	37.47
			<i>For Flange Frame, Add</i>	64.39	
			<i>For Clear Lacquer Finish, Add</i>	128.79	
			<i>For Baked Enamel Standard Colors, Add</i>	193.18	
			<i>For Anodized Finish, Add</i>	257.57	
			<i>For Kynar™ Standard Colors Finish, Add</i>	354.16	
08 91	19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	827.91	39.66
			<i>For Flange Frame, Add</i>	74.86	
			<i>For Clear Lacquer Finish, Add</i>	149.71	
			<i>For Baked Enamel Standard Colors, Add</i>	224.57	
			<i>For Anodized Finish, Add</i>	299.43	
			<i>For Kynar™ Standard Colors Finish, Add</i>	411.71	
08 91	19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	978.69	41.87
			<i>For Flange Frame, Add</i>	89.50	
			<i>For Clear Lacquer Finish, Add</i>	178.99	
			<i>For Baked Enamel Standard Colors, Add</i>	268.49	
			<i>For Anodized Finish, Add</i>	357.98	
			<i>For Kynar™ Standard Colors Finish, Add</i>	492.22	
08 91	19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,082.61	44.08
			<i>For Flange Frame, Add</i>	99.45	
			<i>For Clear Lacquer Finish, Add</i>	198.89	
			<i>For Baked Enamel Standard Colors, Add</i>	298.34	
			<i>For Anodized Finish, Add</i>	397.78	
			<i>For Kynar™ Standard Colors Finish, Add</i>	546.95	
08 91	19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,179.10	47.38
			<i>For Flange Frame, Add</i>	108.43	
			<i>For Clear Lacquer Finish, Add</i>	216.87	
			<i>For Baked Enamel Standard Colors, Add</i>	325.30	
			<i>For Anodized Finish, Add</i>	433.74	
			<i>For Kynar™ Standard Colors Finish, Add</i>	596.39	
08 91	19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,322.45	50.68
			<i>For Flange Frame, Add</i>	122.11	
			<i>For Clear Lacquer Finish, Add</i>	244.22	
			<i>For Baked Enamel Standard Colors, Add</i>	366.32	
			<i>For Anodized Finish, Add</i>	488.43	
			<i>For Kynar™ Standard Colors Finish, Add</i>	671.59	
08 91	19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,422.15	53.99
			<i>For Flange Frame, Add</i>	131.42	
			<i>For Clear Lacquer Finish, Add</i>	262.83	
			<i>For Baked Enamel Standard Colors, Add</i>	394.25	
			<i>For Anodized Finish, Add</i>	525.67	
			<i>For Kynar™ Standard Colors Finish, Add</i>	722.79	
08 91	19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,572.58	57.29
			<i>For Flange Frame, Add</i>	145.80	
			<i>For Clear Lacquer Finish, Add</i>	291.60	
			<i>For Baked Enamel Standard Colors, Add</i>	437.39	
			<i>For Anodized Finish, Add</i>	583.19	
			<i>For Kynar™ Standard Colors Finish, Add</i>	801.89	

08 Openings**08 90 Louvers And Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,669.43 155.04 310.09 465.13 620.17 852.74	59.50
08 91	19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,780.41 165.70 331.40 497.10 662.80 911.35	61.71
08 91	19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,886.90 175.91 351.82 527.72 703.63 967.49	63.91
08 91	19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,974.77 184.25 368.51 552.76 737.02 1,013.40	66.11
08 91	19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	2,130.32 199.15 398.30 597.44 796.59 1,095.31	69.41
08 91	19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	536.86 47.96 95.91 143.87 191.83 263.76	28.65
08 91	19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	662.44 59.19 118.38 177.58 236.77 325.56	35.26
08 91	19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	771.42 69.21 138.42 207.62 276.83 380.64	39.66
08 91	19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	897.80 81.41 162.81 244.22 325.62 447.73	41.87
08 91	19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,053.99 96.36 192.73 289.09 385.46 530.00	45.17
08 91	19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,170.75 107.60 215.20 322.80 430.40 591.79	47.38
08 91	19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,271.74 117.04 234.07 351.11 468.15 643.70	50.68
08 91	19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar™ Standard Colors Finish, Add</i>	1,425.36 131.74 263.48 395.21 526.95 724.56	53.99



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,532.78 141.82 283.64 425.45 567.27 780.00	57.29
08 91	19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,696.04 157.48 314.97 472.45 629.93 866.16	60.60
08 91	19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,799.30 167.37 334.74 502.11 669.48 920.53	62.80
08 91	19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,917.35 178.73 357.47 536.20 714.93 983.03	65.01
08 91	19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,032.81 189.84 379.68 569.52 759.36 1,044.11	67.22
08 91	19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,130.32 199.15 398.30 597.44 796.59 1,095.31	69.41
08 91	19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,294.58 215.13 430.27 645.40 860.54 1,183.24	71.62
08 91	19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	621.53 55.98 111.96 167.95 223.93 307.90	30.85
08 91	19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	769.56 69.46 138.93 208.39 277.86 382.05	37.47
08 91	19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	896.43 80.83 161.66 242.48 323.31 444.55	44.08
08 91	19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,034.36 94.18 188.36 282.54 376.72 518.00	46.28
08 91	19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,218.54 112.16 224.31 336.47 448.63 616.86	48.48
08 91	19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,346.21 124.48 248.97 373.45 497.94 684.66	50.68



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,467.74 135.98 271.95 407.93 543.90 747.87	53.99
08 91	19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,611.10 149.65 299.30 448.95 598.60 823.08	57.29
08 91	19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,731.99 161.08 322.16 483.23 644.31 885.93	60.60
08 91	19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,918.63 178.86 357.72 536.58 715.44 983.74	65.01
08 91	19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,035.02 189.84 379.68 569.52 759.36 1,044.11	68.32
08 91	19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,160.12 201.91 403.82 605.73 807.64 1,110.50	70.52
08 91	19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,287.80 214.24 428.47 642.71 856.94 1,178.29	72.72
08 91	19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,398.13 224.83 449.66 674.48 899.31 1,236.55	74.92
08 91	19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,581.66 242.74 485.48 728.22 970.96 1,335.07	77.13
08 91	19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	655.47 58.94 117.87 176.81 235.74 324.15	33.05
08 91	19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	811.22 73.19 146.38 219.56 292.75 402.53	39.66
08 91	19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	945.13 85.26 170.52 255.77 341.03 468.92	46.28
08 91	19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,093.62 99.45 198.89 298.34 397.78 546.95	49.59



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,291.28 118.77 237.54 356.31 475.08 653.24	51.78
08 91	19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,426.01 131.80 263.61 395.41 527.21 724.92	53.99
08 91	19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,555.89 144.13 288.26 432.39 576.52 792.71	57.29
08 91	19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,705.38 158.64 317.28 475.91 634.55 872.51	59.50
08 91	19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,832.05 170.64 341.29 511.93 682.58 938.54	62.80
08 91	19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,035.02 189.84 379.68 569.52 759.36 1,044.11	68.32
08 91	19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,163.61 202.04 404.07 606.11 808.15 1,111.20	71.62
08 91	19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,292.57 214.49 428.98 643.48 857.97 1,179.71	73.83
08 91	19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,423.45 227.14 454.28 681.42 908.56 1,249.27	76.03
08 91	19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,545.99 238.95 477.90 716.86 955.81 1,314.24	78.23
08 91	19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,741.71 258.08 516.17 774.25 1,032.34 1,419.46	80.44
08 91	19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	697.11 62.66 125.32 187.98 250.64 344.62	35.26
08 91	19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	857.35 77.36 154.72 232.08 309.44 425.49	41.87



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	994.49 89.75 179.50 269.26 359.01 493.64	48.48
08 91	19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,153.25 104.97 209.93 314.90 419.87 577.32	51.78
08 91	19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,362.45 125.45 250.89 376.34 501.79 689.96	53.99
08 91	19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,502.96 139.06 278.11 417.17 556.23 764.81	56.20
08 91	19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,642.47 152.35 304.69 457.04 609.39 837.91	59.50
08 91	19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,800.96 167.76 335.51 503.27 671.02 922.65	61.71
08 91	19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,937.25 180.72 361.45 542.17 722.89 993.98	65.01
08 91	19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,153.70 201.27 402.53 603.80 805.07 1,106.97	70.52
08 91	19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,288.72 214.11 428.21 642.32 856.43 1,177.59	73.83
08 91	19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,430.15 227.59 455.18 682.77 910.36 1,251.74	77.13
08 91	19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,561.02 240.24 480.47 720.71 960.94 1,321.30	79.34
08 91	19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,691.92 252.88 505.77 758.65 1,011.54 1,390.86	81.53
08 91	19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,900.47 273.30 546.60 819.90 1,093.20 1,503.14	83.74



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	730.40 65.55 131.10 196.64 262.19 360.51	37.47
08 91	19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	897.71 80.96 161.91 242.87 323.82 445.26	44.08
08 91	19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,050.25 94.89 189.78 284.66 379.55 521.88	50.68
08 91	19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,214.15 110.62 221.23 331.85 442.47 608.39	53.99
08 91	19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,436.84 132.45 264.89 397.34 529.78 728.45	56.20
08 91	19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,585.69 146.89 293.78 440.67 587.56 807.90	58.40
08 91	19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,728.41 160.50 321.00 481.50 642.00 882.75	61.71
08 91	19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	1,899.74 177.19 354.38 531.58 708.77 974.56	63.91
08 91	19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,043.09 190.87 381.73 572.60 763.47 1,049.77	67.22
08 91	19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,273.04 212.76 425.52 638.28 851.04 1,170.17	72.72
08 91	19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,413.17 226.11 452.22 678.34 904.45 1,243.62	76.03
08 91	19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,567.44 240.88 481.76 722.63 963.51 1,324.83	79.34
08 91	19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar™ Standard Colors Finish, Add	2,734.29 257.12 514.24 771.36 1,028.48 1,414.17	81.53



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,884.42	83.74
			<i>For Flange Frame, Add</i>	271.69	
			<i>For Clear Lacquer Finish, Add</i>	543.39	
			<i>For Baked Enamel Standard Colors, Add</i>	815.08	
			<i>For Anodized Finish, Add</i>	1,086.78	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,494.32	
08 91	19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,109.04	85.95
			<i>For Flange Frame, Add</i>	293.72	
			<i>For Clear Lacquer Finish, Add</i>	587.43	
			<i>For Baked Enamel Standard Colors, Add</i>	881.15	
			<i>For Anodized Finish, Add</i>	1,174.86	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,615.43	
08 91	19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	773.61	40.77
			<i>For Flange Frame, Add</i>	69.21	
			<i>For Clear Lacquer Finish, Add</i>	138.42	
			<i>For Baked Enamel Standard Colors, Add</i>	207.62	
			<i>For Anodized Finish, Add</i>	276.83	
			<i>For Kynar™ Standard Colors Finish, Add</i>	380.64	
08 91	19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	943.48	47.38
			<i>For Flange Frame, Add</i>	84.87	
			<i>For Clear Lacquer Finish, Add</i>	169.74	
			<i>For Baked Enamel Standard Colors, Add</i>	254.62	
			<i>For Anodized Finish, Add</i>	339.49	
			<i>For Kynar™ Standard Colors Finish, Add</i>	466.80	
08 91	19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,102.44	53.99
			<i>For Flange Frame, Add</i>	99.45	
			<i>For Clear Lacquer Finish, Add</i>	198.89	
			<i>For Baked Enamel Standard Colors, Add</i>	298.34	
			<i>For Anodized Finish, Add</i>	397.78	
			<i>For Kynar™ Standard Colors Finish, Add</i>	546.95	
08 91	19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,271.48	57.29
			<i>For Flange Frame, Add</i>	115.69	
			<i>For Clear Lacquer Finish, Add</i>	231.38	
			<i>For Baked Enamel Standard Colors, Add</i>	347.06	
			<i>For Anodized Finish, Add</i>	462.75	
			<i>For Kynar™ Standard Colors Finish, Add</i>	636.28	
08 91	19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,509.57	59.50
			<i>For Flange Frame, Add</i>	139.06	
			<i>For Clear Lacquer Finish, Add</i>	278.11	
			<i>For Baked Enamel Standard Colors, Add</i>	417.17	
			<i>For Anodized Finish, Add</i>	556.23	
			<i>For Kynar™ Standard Colors Finish, Add</i>	764.81	
08 91	19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,663.57	61.71
			<i>For Flange Frame, Add</i>	154.02	
			<i>For Clear Lacquer Finish, Add</i>	308.03	
			<i>For Baked Enamel Standard Colors, Add</i>	462.05	
			<i>For Anodized Finish, Add</i>	616.06	
			<i>For Kynar™ Standard Colors Finish, Add</i>	847.09	
08 91	19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,810.50	63.91
			<i>For Flange Frame, Add</i>	168.27	
			<i>For Clear Lacquer Finish, Add</i>	336.54	
			<i>For Baked Enamel Standard Colors, Add</i>	504.80	
			<i>For Anodized Finish, Add</i>	673.07	
			<i>For Kynar™ Standard Colors Finish, Add</i>	925.47	
08 91	19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,991.46	66.11
			<i>For Flange Frame, Add</i>	185.92	
			<i>For Clear Lacquer Finish, Add</i>	371.85	
			<i>For Baked Enamel Standard Colors, Add</i>	557.77	
			<i>For Anodized Finish, Add</i>	743.69	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,022.58	
08 91	19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,142.52	69.41
			<i>For Flange Frame, Add</i>	200.37	
			<i>For Clear Lacquer Finish, Add</i>	400.74	
			<i>For Baked Enamel Standard Colors, Add</i>	601.10	
			<i>For Anodized Finish, Add</i>	801.47	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,102.02	
08 91	19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,385.94	74.92
			<i>For Flange Frame, Add</i>	223.61	
			<i>For Clear Lacquer Finish, Add</i>	447.22	
			<i>For Baked Enamel Standard Colors, Add</i>	670.83	
			<i>For Anodized Finish, Add</i>	894.44	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,229.85	
08 91	19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,532.51	78.23
			<i>For Flange Frame, Add</i>	237.60	
			<i>For Clear Lacquer Finish, Add</i>	475.21	
			<i>For Baked Enamel Standard Colors, Add</i>	712.81	
			<i>For Anodized Finish, Add</i>	950.42	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,306.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,700.91	81.53
			Note: Includes bird screen.		
			For Flange Frame, Add	253.78	
			For Clear Lacquer Finish, Add	507.57	
			For Baked Enamel Standard Colors, Add	761.35	
			For Anodized Finish, Add	1,015.13	
			For Kynar™ Standard Colors Finish, Add	1,395.81	
08 91	19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,878.00	83.74
			Note: Includes bird screen.		
			For Flange Frame, Add	271.05	
			For Clear Lacquer Finish, Add	542.10	
			For Baked Enamel Standard Colors, Add	813.16	
			For Anodized Finish, Add	1,084.21	
			For Kynar™ Standard Colors Finish, Add	1,490.79	
08 91	19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,026.51	87.04
			Note: Includes bird screen.		
			For Flange Frame, Add	285.24	
			For Clear Lacquer Finish, Add	570.48	
			For Baked Enamel Standard Colors, Add	855.72	
			For Anodized Finish, Add	1,140.96	
			For Kynar™ Standard Colors Finish, Add	1,568.83	
08 91	19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,264.59	89.25
			Note: Includes bird screen.		
			For Flange Frame, Add	308.61	
			For Clear Lacquer Finish, Add	617.22	
			For Baked Enamel Standard Colors, Add	925.83	
			For Anodized Finish, Add	1,234.44	
			For Kynar™ Standard Colors Finish, Add	1,697.35	
08 91	19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	810.40	44.08
			Note: Includes bird screen.		
			For Flange Frame, Add	72.23	
			For Clear Lacquer Finish, Add	144.45	
			For Baked Enamel Standard Colors, Add	216.68	
			For Anodized Finish, Add	288.90	
			For Kynar™ Standard Colors Finish, Add	397.24	
08 91	19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	986.69	50.68
			Note: Includes bird screen.		
			For Flange Frame, Add	88.53	
			For Clear Lacquer Finish, Add	177.06	
			For Baked Enamel Standard Colors, Add	265.60	
			For Anodized Finish, Add	354.13	
			For Kynar™ Standard Colors Finish, Add	486.93	
08 91	19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,154.00	57.29
			Note: Includes bird screen.		
			For Flange Frame, Add	103.94	
			For Clear Lacquer Finish, Add	207.88	
			For Baked Enamel Standard Colors, Add	311.82	
			For Anodized Finish, Add	415.76	
			For Kynar™ Standard Colors Finish, Add	571.67	
08 91	19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,332.66	60.60
			Note: Includes bird screen.		
			For Flange Frame, Add	121.15	
			For Clear Lacquer Finish, Add	242.29	
			For Baked Enamel Standard Colors, Add	363.44	
			For Anodized Finish, Add	484.58	
			For Kynar™ Standard Colors Finish, Add	666.30	
08 91	19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,578.46	62.80
			Note: Includes bird screen.		
			For Flange Frame, Add	145.29	
			For Clear Lacquer Finish, Add	290.57	
			For Baked Enamel Standard Colors, Add	435.86	
			For Anodized Finish, Add	581.14	
			For Kynar™ Standard Colors Finish, Add	799.07	
08 91	19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,758.77	65.01
			Note: Includes bird screen.		
			For Flange Frame, Add	162.88	
			For Clear Lacquer Finish, Add	325.75	
			For Baked Enamel Standard Colors, Add	488.63	
			For Anodized Finish, Add	651.50	
			For Kynar™ Standard Colors Finish, Add	895.81	
08 91	19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,915.33	67.22
			Note: Includes bird screen.		
			For Flange Frame, Add	178.09	
			For Clear Lacquer Finish, Add	356.18	
			For Baked Enamel Standard Colors, Add	534.27	
			For Anodized Finish, Add	712.36	
			For Kynar™ Standard Colors Finish, Add	979.50	
08 91	19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,087.31	69.41
			Note: Includes bird screen.		
			For Flange Frame, Add	194.85	
			For Clear Lacquer Finish, Add	389.69	
			For Baked Enamel Standard Colors, Add	584.54	
			For Anodized Finish, Add	779.39	
			For Kynar™ Standard Colors Finish, Add	1,071.66	
08 91	19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,246.43	71.62
			Note: Includes bird screen.		
			For Flange Frame, Add	210.32	
			For Clear Lacquer Finish, Add	420.64	
			For Baked Enamel Standard Colors, Add	630.96	
			For Anodized Finish, Add	841.28	
			For Kynar™ Standard Colors Finish, Add	1,156.75	



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,508.47		77.13
		Note: Includes bird screen.			
		For Flange Frame, Add	235.42		
		For Clear Lacquer Finish, Add	470.84		
		For Baked Enamel Standard Colors, Add	706.26		
		For Anodized Finish, Add	941.68		
		For Kynar™ Standard Colors Finish, Add	1,294.82		
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,969.38		80.44
		Note: Includes bird screen.			
		For Flange Frame, Add	180.85		
		For Clear Lacquer Finish, Add	361.70		
		For Baked Enamel Standard Colors, Add	542.55		
		For Anodized Finish, Add	723.40		
		For Kynar™ Standard Colors Finish, Add	994.68		
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,832.42		83.74
		Note: Includes bird screen.			
		For Flange Frame, Add	266.49		
		For Clear Lacquer Finish, Add	532.99		
		For Baked Enamel Standard Colors, Add	799.48		
		For Anodized Finish, Add	1,065.98		
		For Kynar™ Standard Colors Finish, Add	1,465.72		
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,015.95		85.95
		Note: Includes bird screen.			
		For Flange Frame, Add	284.41		
		For Clear Lacquer Finish, Add	568.81		
		For Baked Enamel Standard Colors, Add	853.22		
		For Anodized Finish, Add	1,137.62		
		For Kynar™ Standard Colors Finish, Add	1,564.23		
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,172.15		89.25
		Note: Includes bird screen.			
		For Flange Frame, Add	299.37		
		For Clear Lacquer Finish, Add	598.73		
		For Baked Enamel Standard Colors, Add	898.10		
		For Anodized Finish, Add	1,197.46		
		For Kynar™ Standard Colors Finish, Add	1,646.51		
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,427.21		92.55
		Note: Includes bird screen.			
		For Flange Frame, Add	324.21		
		For Clear Lacquer Finish, Add	648.42		
		For Baked Enamel Standard Colors, Add	972.63		
		For Anodized Finish, Add	1,296.84		
		For Kynar™ Standard Colors Finish, Add	1,783.16		
08 91 19 00-0227		Gable Louver Vents <small>(08 91 19)</small>			
		Note: 1" deep, residential/light commercial grade louvers.			
08 91 19 00-0228		Aluminum Gable Louver Vents <small>(08 91 19 00-0227)</small>			
		Note: Includes screen.			
08 91 19 00-0229		Rectangular Aluminum Gable Louver Vents <small>(08 91 19 00-0228)</small>			
		Note: Includes screen.			
08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent	140.89		3.70
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent	153.65		4.24
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent	177.53		4.79
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent	195.10		5.10
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent	223.78		5.40
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent	249.23		6.47
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent	287.43		8.08
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent	319.26		9.44
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent	363.82		11.33
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent	452.93		15.09
08 91 19 00-0240		Square Aluminum Gable Louver Vents <small>(08 91 19 00-0228)</small>			
		Note: Includes screen.			
08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	128.91		3.40
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	159.42		4.32
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	200.65		5.10
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	255.60		6.74
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	325.62		9.70
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	408.34		13.20
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent	503.86		17.25
08 91 19 00-0248		Round Aluminum Gable Louver Vents <small>(08 91 19 00-0228)</small>			
		Note: Includes screen.			
08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent	128.91		3.40
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent	159.42		4.32
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent	200.65		5.10
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent	255.60		6.74
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent	325.62		9.70
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent	408.37		13.21
08 91 19 00-0255		Octagonal Aluminum Gable Louver Vents <small>(08 91 19 00-0228)</small>			
		Note: Includes screen.			
08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent	128.91		3.40
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent	140.89		3.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 91 19 00-0258	EA 12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	153.65	4.24
08 91 19 00-0259	EA 18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	159.42	4.32
08 91 19 00-0260	EA 18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	177.53	4.79
08 91 19 00-0261	EA 18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	195.10	5.10
08 91 19 00-0262	EA 24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	200.65	5.10
08 91 19 00-0263	EA 24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	223.78	5.40
08 91 19 00-0264	EA 24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	249.23	6.47
08 91 19 00-0265	EA 30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	255.60	6.74
08 91 19 00-0266	EA 30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	287.43	8.08
08 91 19 00-0267	EA 30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	319.26	9.44
08 91 19 00-0268	EA 36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	325.62	9.70
08 91 19 00-0269	EA 36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	363.82	11.33
08 91 19 00-0270	EA 36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	402.01	12.95
08 91 19 00-0271	EA 42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	408.37	13.21
08 91 19 00-0272	EA 42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	452.93	15.09
08 91 19 00-0273	EA 48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	503.86	17.25

08 91 19 00-0274 Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0275	EA 12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	128.91	3.40
08 91 19 00-0276	EA 12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	140.89	3.70
08 91 19 00-0277	EA 12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	153.65	4.24
08 91 19 00-0278	EA 18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	159.42	4.32
08 91 19 00-0279	EA 18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	177.53	4.79
08 91 19 00-0280	EA 18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	195.10	5.10
08 91 19 00-0281	EA 24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	200.65	5.10
08 91 19 00-0282	EA 24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	223.78	5.40
08 91 19 00-0283	EA 24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	249.23	6.47
08 91 19 00-0284	EA 30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	255.60	6.74
08 91 19 00-0285	EA 30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	287.43	8.08
08 91 19 00-0286	EA 30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	319.26	9.44
08 91 19 00-0287	EA 36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	325.62	9.70
08 91 19 00-0288	EA 36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	363.82	11.33
08 91 19 00-0289	EA 36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	402.01	12.95
08 91 19 00-0290	EA 42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	408.37	13.21
08 91 19 00-0291	EA 42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	452.93	15.09
08 91 19 00-0292	EA 48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	503.86	17.25

08 91 19 00-0293 Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0294	EA 36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	275.88	4.24
08 91 19 00-0295	EA 36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	311.77	5.10
08 91 19 00-0296	EA 48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	334.90	5.40
08 91 19 00-0297	EA 48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	382.57	6.47
08 91 19 00-0298	EA 48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	427.83	6.74
08 91 19 00-0299	EA 60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	342.99	8.08
08 91 19 00-0300	EA 60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	402.60	9.44
08 91 19 00-0301	EA 60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	458.96	9.70
08 91 19 00-0302	EA 60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	519.38	11.33
08 91 19 00-0303	EA 72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	402.01	12.95
08 91 19 00-0304	EA 72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	469.48	13.21
08 91 19 00-0305	EA 72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	541.83	15.09
08 91 19 00-0306	EA 72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	614.98	17.25
08 91 19 00-0307	EA 72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	689.38	19.83

08 91 19 00-0308 Vinyl Gable Louver Vents (08 91 19 00-0227)

Note: Includes screen.

08 91 19 00-0309	EA 12" x 12" Square Fixed Vinyl Gable Louver Vent.....	35.87	3.40
08 91 19 00-0310	EA 12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	44.46	3.70
08 91 19 00-0311	EA 18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	61.34	4.79
08 91 19 00-0312	EA 24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	87.14	5.40
08 91 19 00-0313	EA 18" Diameter Round Fixed Vinyl Gable Louver Vent.....	60.26	4.32
08 91 19 00-0314	EA 22" Diameter Round Fixed Vinyl Gable Louver Vent.....	69.35	5.10
08 91 19 00-0315	EA 30" Diameter Round Fixed Vinyl Gable Louver Vent.....	98.95	6.74
08 91 19 00-0316	EA 36" Diameter Round Fixed Vinyl Gable Louver Vent.....	145.00	9.70
08 91 19 00-0317	EA 18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	60.26	4.32
08 91 19 00-0318	EA 22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	68.45	4.79
08 91 19 00-0319	EA 27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	90.42	5.40
08 91 19 00-0320	EA 32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	127.26	8.08
08 91 19 00-0321	EA 40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	319.14	12.95
08 91 19 00-0322	EA 14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	59.00	4.24
08 91 19 00-0323	EA 22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	83.63	5.40
08 91 19 00-0324	EA 34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	84.30	6.47
08 91 19 00-0325	EA 52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	211.40	8.08
08 91 19 00-0326	EA 56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	211.40	8.08
08 91 19 00-0327	EA 56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	211.40	8.08
08 91 19 00-0328	EA 62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	211.40	8.08
08 91 19 00-0329	EA 62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	211.40	8.08
08 91 19 00-0330	EA 70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	225.98	12.95
08 91 19 00-0331	EA 70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	225.98	12.95
08 91 19 00-0332	EA 72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	225.98	12.95
08 91 19 00-0333	EA 74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	225.98	12.95

08 Openings

08 90 Louvers And Vents

08 91 Louvers

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**08 95 Vents** (08 90)**08 95 13 Soffit Vents** (08 95)**08 95 13 00-0001 Aluminum Soffit Vents** (08 95 13)

08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent.....	2.75	1.01
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent.....	4.97	1.98
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	7.97	2.64
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	8.24	2.64

08 95 13 00-0006 Vinyl Soffit Vents (08 95 13)

08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White.....	2.60	0.98
		<i>For Colors, Add</i>	0.07	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	2.62	0.98
		<i>For Colors, Add</i>	0.07	

08 95 16 Wall Vents (08 95)**08 95 16 00-0001 Foundation Vents** (08 95 16)

08 95 16 00-0002	SI	Galvanized Steel Foundation Vent.....	0.28	0.07
08 95 16 00-0003	SI	Aluminum Foundation Vent.....	0.29	0.07
08 95 16 00-0004	SI	Stainless Steel Foundation Vent.....	0.87	0.07
08 95 16 00-0005	SI	Plastic Foundation Vent.....	0.17	0.07

END OF SECTION 08



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 Finishes

09 01 Maintenance Of Finishes (09)

09 01 20 Maintenance Of Plaster And Gypsum Board (09 01)

09 01 20 91 Plaster Restoration (09 01 20)

09 01 20 91-0001	Cut And Patch Hole In Drywall To Match Existing <small>(09 01 20 91)</small>	
	Note: Includes cutting of existing gypsum board, cutting new board to fit opening, finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0002	SF Up To 2 SF, Cut And Patch Hole In Drywall To Match Existing.....	7.65
	Note: Per location.	
09 01 20 91-0003	SF >2 To 4 SF, Cut And Patch Hole In Drywall To Match Existing.....	6.23
	Note: Per location.	
09 01 20 91-0004	SF >4 To 8 SF, Cut And Patch Hole In Drywall To Match Existing.....	5.62
	Note: Per location.	
09 01 20 91-0005	SF >8 To 16 SF, Cut And Patch Hole In Drywall To Match Existing.....	4.97
	Note: Per location.	
09 01 20 91-0006	SF >16 To 32 SF, Cut And Patch Hole In Drywall To Match Existing.....	4.48
	Note: Per location. See CSI section 09 29 00 00-0001 for "Gypsum Board" repairs > 32 SF.	

09 01 20 91-0007 Plaster/Stucco Repair (09 01 20 91)

Note: Per location.

09 01 20 91-0008 Clean And Repair Crack In Plaster/Stucco (09 01 20 91-0007)

Note: Includes plaster weld.

09 01 20 91-0009	LF Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco.....	7.28
09 01 20 91-0010	LF >10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco.....	5.86
09 01 20 91-0011	LF >50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco.....	4.79
09 01 20 91-0012	LF >100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco.....	3.71
09 01 20 91-0013	LF >250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco.....	3.00
09 01 20 91-0014	LF >500', Chip, Clean And Repair Crack In Plaster/Stucco.....	2.28

09 01 20 91-0015 Cut And Patch Hole In Plaster To Match Existing (09 01 20 91-0007)

Note: Includes plaster weld.

09 01 20 91-0016	SF Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing.....	7.23
09 01 20 91-0017	SF >10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing.....	6.44
09 01 20 91-0018	SF >50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing.....	5.97
09 01 20 91-0019	SF >100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing.....	5.56
09 01 20 91-0020	SF >250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing.....	5.22
09 01 20 91-0021	SF >500 SF, Cut And Patch Hole In Plaster To Match Existing.....	4.83

09 01 20 91-0022 Chip, Clean And Repair Plaster/Stucco (09 01 20 91-0007)

Note: Includes plaster weld.

09 01 20 91-0023	SF Up To 10 SF, Chip, Clean And Repair Plaster/Stucco.....	13.35
09 01 20 91-0024	SF >10 To 50 SF, Chip, Clean And Repair Plaster/Stucco.....	9.78
09 01 20 91-0025	SF >50 To 250 SF, Chip, Clean And Repair Plaster/Stucco.....	7.28
09 01 20 91-0026	SF >250 SF, Chip, Clean And Repair Plaster/Stucco.....	5.86

09 01 30 Maintenance of Tiling (09 01)

09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF Regrout Floor Tile Including Removal Of Loose Grout.....	2.59
09 01 30 91-0002	SF Regrout Wall Tile Including Removal Of Loose Grout.....	3.22
09 01 30 91-0003	SF Up To 1 SF, Cut And Patch Hole In Tile To Match Existing.....	19.28
	Note: Per location.	

09 01 60 Maintenance Of Flooring (09 01)

09 01 60 91 Flooring Restoration (09 01 60)

09 01 60 91-0001	Grinding, Polishing And Sealing Terrazzo <small>(09 01 60 91)</small>	
09 01 60 91-0002	CSF Grinding, Polishing And Sealing Existing Terrazzo.....	110.92
09 01 60 91-0003	SF Removal Of Setting Bed And Clean Area For Terrazzo Repair.....	1.58
09 01 60 91-0004	SF Repair Existing Terrazzo.....	9.60
09 01 60 91-0005	LF Repair Cracks In Existing Terrazzo.....	1.81

09 01 60 91-0006 Standard Flooring Maintenance (09 01 60 91)

09 01 60 91-0007	CSF Steam Clean Carpet.....	8.17
09 01 60 91-0008	CSF Wax And Polish Tile.....	17.70
	For Additional Coat, Add	15.24
09 01 60 91-0009	CSF Wax And Polish Wood.....	12.73
	For Additional Coat, Add	11.64
09 01 60 91-0010	MSF Vacuum Floors.....	7.69

09 Finishes
09 01 Maintenance Of Finishes
09 01 60 Maintenance Of Flooring



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 01 60 91-0011	Prepare Existing Concrete Floor Prior To Installation Of Carpet <small>(09 01 60 91)</small>		
09 01 60 91-0012	SY Grinding Of Existing Concrete Floor Prior To Installation Of Carpet.....	4.74	
09 01 60 91-0013	SY Chemical Prepare Existing Concrete Floor Prior To Installation Of Carpet.....	2.70	
09 01 60 91-0014	Masonry/Tile/Stone/Terrazzo Floor Sealants <small>(09 01 60 91)</small>		
09 01 60 91-0015	SF Water-Based Emulsion Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat.....	0.47	
	Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.		
09 01 60 91-0016	SF Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	0.60	
09 01 60 91-0017	GAL Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner).....	38.65	

09 05 Common Work Results For Finishes (09)

09 05 61 Common Work Results for Flooring Preparation (09 05)

09 05 61 13 Moisture Vapor Emission Control (09 05 61)

09 05 61 13-0001	Moisture Vapor Reducer (Parabond MVR 8000) <small>(09 05 61 13)</small>		
09 05 61 13-0002	SF One Coat, Polymer Based, Concrete Floors, Moisture Vapor Reducer (Parabond MVR 8000)	0.39	
09 05 61 13-0003	SF Two Coats, Polymer Based, Concrete Floors, Moisture Vapor Reducer (Parabond MVR 8000).....	0.66	

09 20 Plaster And Gypsum Board (09)

09 22 Supports For Plaster And Gypsum Board (09 20)

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring (09 22)

09 22 13 00-0001 Hat Furring Channel (09 22 13)
 Note: Includes clips where required.

09 22 13 00-0002 Installed On Walls, Hat Furring Channel (09 22 13 00-0001)

09 22 13 00-0003	SF 7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	1.59	0.60
	For Walls >10' High, Add	0.18	
	For 24" On Center, Deduct	-0.20	
	For 12" On Center, Add	0.26	
	For 22 Gauge, Add	0.29	
	For 20 Gauge, Add	0.44	
09 22 13 00-0004	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	1.75	0.60
	For Walls >10' High, Add	0.18	
	For 24" On Center, Deduct	-0.23	
	For 12" On Center, Add	0.29	
	For 22 Gauge, Add	0.37	
	For 20 Gauge, Add	0.54	

09 22 13 00-0005 Installed On Columns And Beams, Hat Furring Channel (09 22 13 00-0001)

09 22 13 00-0006	SF 7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	2.24	0.92
	For Columns And Beams >10' High, Add	0.37	
	For 24" On Center, Deduct	-0.26	
	For 12" On Center, Add	0.36	
	For 22 Gauge, Add	0.34	
	For 20 Gauge, Add	0.54	
09 22 13 00-0007	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	2.39	0.92
	For Columns And Beams >10' High, Add	0.37	
	For 24" On Center, Deduct	-0.29	
	For 12" On Center, Add	0.39	
	For 22 Gauge, Add	0.41	
	For 20 Gauge, Add	0.64	

09 22 13 00-0008 Installed On Ceilings, Hat Furring Channel (09 22 13 00-0001)

09 22 13 00-0009	SF 7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	2.13	0.74
	For Ceilings >10' High, Add	0.22	
	For 24" On Center, Deduct	-0.28	
	For 12" On Center, Add	0.35	
	For 22 Gauge, Add	0.44	
	For 20 Gauge, Add	0.65	
09 22 13 00-0010	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	2.29	0.74
	For Ceilings >10' High, Add	0.22	
	For 24" On Center, Deduct	-0.31	
	For 12" On Center, Add	0.38	
	For 22 Gauge, Add	0.52	
	For 20 Gauge, Add	0.76	

09 22 13 00-0011 Z Furring Channel (09 22 13)

09 22 13 00-0012 Installed On Walls, Z Furring Channel (09 22 13 00-0011)

09 22 13 00-0013	SF 1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	1.37	0.60
	For Walls >10' High, Add	0.18	
	For 24" On Center, Deduct	-0.15	
	For 12" On Center, Add	0.21	
	For 22 Gauge, Add	0.18	
	For 20 Gauge, Add	0.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 00-0014	SF		1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	1.41 0.18 -0.16 0.22 0.20 0.32	0.60
09 22 13 00-0015	SF		2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	1.44 0.18 -0.17 0.23 0.21 0.34	0.60
09 22 13 00-0016	SF		2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	1.46 0.18 -0.17 0.23 0.22 0.35	0.60
09 22 13 00-0017	SF		3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	1.48 0.18 -0.18 0.24 0.23 0.36	0.60
09 22 13 00-0018			Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13) Note: Includes clips where required.		
09 22 13 00-0019			Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 00-0018)		
09 22 13 00-0020	SF		25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel..... <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	1.57 0.18 -0.19 0.25 0.42	0.60
09 22 13 00-0021			Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 00-0018)		
09 22 13 00-0022	SF		25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel..... <i>For Ceilings >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	1.85 0.22 -0.22 0.30 0.47	0.74
09 22 13 00-0023			Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13) Note: Includes clips where required.		
09 22 13 00-0024			Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 00-0023)		
09 22 13 00-0025	SF		25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	1.70 0.18 -0.22 0.28 0.51	0.60
09 22 13 00-0026			Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 00-0023)		
09 22 13 00-0027	SF		25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel <i>For Ceilings >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	1.98 0.22 -0.25 0.32 0.55	0.74
09 22 16			Non-Structural Metal Framing (09 22) Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
09 22 16 13			Non-Structural Metal Stud Framing (09 22 16)		
09 22 16 13-0001			25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0002	SF		1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners..... <i>For Walls >10' High, Add</i> <i>For Soffit, Columns Or Beams Up To 10' High, Add</i> <i>For Soffit, Columns Or Beams >10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Curved Wall, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i> <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i> <i>For >2,000, Deduct</i>	1.08 0.22 0.61 0.80 0.20 0.27 0.19 0.18 -0.18 0.34 0.17 -0.08	0.25

09 Finishes
09 20 Plaster And Gypsum Board
09 22 Supports For Plaster And Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0003	SF		2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.15	0.26
			For Walls >10' High, Add	0.23	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.64	
			For Soffit, Columns Or Beams >10' High, Add	0.84	
			For Horizontal Installation Up To 10' High, Add	0.21	
			For Horizontal Installation >10' High, Add	0.28	
			For Curved Wall, Add	0.20	
			For 12" On Center, Add	0.20	
			For 24" On Center, Deduct	-0.20	
			For Up To 200, Add	0.36	
			For >200 To 500, Add	0.18	
			For >2,000, Deduct	-0.08	
09 22 16 13-0004	SF		3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.26	0.27
			For Walls >10' High, Add	0.25	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.68	
			For Soffit, Columns Or Beams >10' High, Add	0.89	
			For Horizontal Installation Up To 10' High, Add	0.23	
			For Horizontal Installation >10' High, Add	0.30	
			For Curved Wall, Add	0.21	
			For 12" On Center, Add	0.22	
			For 24" On Center, Deduct	-0.22	
			For Up To 200, Add	0.39	
			For >200 To 500, Add	0.20	
			For >2,000, Deduct	-0.09	
09 22 16 13-0005	SF		4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.35	0.28
			For Walls >10' High, Add	0.27	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.71	
			For Soffit, Columns Or Beams >10' High, Add	0.93	
			For Horizontal Installation Up To 10' High, Add	0.24	
			For Horizontal Installation >10' High, Add	0.32	
			For Curved Wall, Add	0.22	
			For 12" On Center, Add	0.23	
			For 24" On Center, Deduct	-0.23	
			For Up To 200, Add	0.41	
			For >200 To 500, Add	0.21	
			For >2,000, Deduct	-0.10	
09 22 16 13-0006	SF		6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.53	0.30
			For Walls >10' High, Add	0.31	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.76	
			For Soffit, Columns Or Beams >10' High, Add	0.99	
			For Horizontal Installation Up To 10' High, Add	0.27	
			For Horizontal Installation >10' High, Add	0.34	
			For Curved Wall, Add	0.23	
			For 12" On Center, Add	0.27	
			For 24" On Center, Deduct	-0.27	
			For Up To 200, Add	0.46	
			For >200 To 500, Add	0.23	
			For >2,000, Deduct	-0.12	
09 22 16 13-0007			20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0008	SF		1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.23	0.25
			For Walls >10' High, Add	0.25	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.64	
			For Soffit, Columns Or Beams >10' High, Add	0.83	
			For Horizontal Installation Up To 10' High, Add	0.22	
			For Horizontal Installation >10' High, Add	0.28	
			For Curved Wall, Add	0.19	
			For 12" On Center, Add	0.21	
			For 24" On Center, Deduct	-0.21	
			For Up To 200, Add	0.37	
			For >200 To 500, Add	0.19	
			For >2,000, Deduct	-0.09	
09 22 16 13-0009	SF		2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.36	0.27
			For Walls >10' High, Add	0.27	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.67	
			For Soffit, Columns Or Beams >10' High, Add	0.87	
			For Horizontal Installation Up To 10' High, Add	0.24	
			For Horizontal Installation >10' High, Add	0.30	
			For Curved Wall, Add	0.20	
			For 12" On Center, Add	0.24	
			For 24" On Center, Deduct	-0.24	
			For Up To 200, Add	0.41	
			For >200 To 500, Add	0.20	
			For >2,000, Deduct	-0.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0010	SF		3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	1.53	0.28
			For Walls >10' High, Add	0.31	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.72	
			For Soffit, Columns Or Beams >10' High, Add	0.93	
			For Horizontal Installation Up To 10' High, Add	0.26	
			For Horizontal Installation >10' High, Add	0.33	
			For Curved Wall, Add	0.21	
			For 12" On Center, Add	0.27	
			For 24" On Center, Deduct	-0.27	
			For Up To 200, Add	0.45	
			For >200 To 500, Add	0.22	
			For >2,000, Deduct	-0.12	
09 22 16 13-0011	SF		4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	1.63	0.29
			For Walls >10' High, Add	0.33	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.76	
			For Soffit, Columns Or Beams >10' High, Add	0.98	
			For Horizontal Installation Up To 10' High, Add	0.27	
			For Horizontal Installation >10' High, Add	0.35	
			For Curved Wall, Add	0.22	
			For 12" On Center, Add	0.29	
			For 24" On Center, Deduct	-0.29	
			For Up To 200, Add	0.47	
			For >200 To 500, Add	0.24	
			For >2,000, Deduct	-0.13	
09 22 16 13-0012	SF		6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.35	0.31
			For Walls >10' High, Add	0.47	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.86	
			For Soffit, Columns Or Beams >10' High, Add	1.09	
			For Horizontal Installation Up To 10' High, Add	0.35	
			For Horizontal Installation >10' High, Add	0.43	
			For Curved Wall, Add	0.23	
			For 12" On Center, Add	0.43	
			For 24" On Center, Deduct	-0.43	
			For Up To 200, Add	0.63	
			For >200 To 500, Add	0.31	
			For >2,000, Deduct	-0.20	
09 22 16 13-0013			18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0014	SF		2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	1.97	0.27
			For Walls >10' High, Add	0.39	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.75	
			For Soffit, Columns Or Beams >10' High, Add	0.96	
			For Horizontal Installation Up To 10' High, Add	0.30	
			For Horizontal Installation >10' High, Add	0.37	
			For Curved Wall, Add	0.21	
			For 12" On Center, Add	0.36	
			For 24" On Center, Deduct	-0.36	
			For Up To 200, Add	0.53	
			For >200 To 500, Add	0.27	
			For >2,000, Deduct	-0.16	
09 22 16 13-0015	SF		3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.20	0.28
			For Walls >10' High, Add	0.44	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.80	
			For Soffit, Columns Or Beams >10' High, Add	1.02	
			For Horizontal Installation Up To 10' High, Add	0.33	
			For Horizontal Installation >10' High, Add	0.40	
			For Curved Wall, Add	0.22	
			For 12" On Center, Add	0.40	
			For 24" On Center, Deduct	-0.40	
			For Up To 200, Add	0.59	
			For >200 To 500, Add	0.29	
			For >2,000, Deduct	-0.18	
09 22 16 13-0016	SF		4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.36	0.30
			For Walls >10' High, Add	0.47	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.84	
			For Soffit, Columns Or Beams >10' High, Add	1.07	
			For Horizontal Installation Up To 10' High, Add	0.35	
			For Horizontal Installation >10' High, Add	0.43	
			For Curved Wall, Add	0.23	
			For 12" On Center, Add	0.43	
			For 24" On Center, Deduct	-0.43	
			For Up To 200, Add	0.62	
			For >200 To 500, Add	0.31	
			For >2,000, Deduct	-0.20	

09 Finishes
09 20 Plaster And Gypsum Board
09 22 Supports For Plaster And Gypsum Board



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	.....	3.14	0.31
		For Walls >10' High, Add	.....	0.63	
		For Soffit, Columns Or Beams Up To 10' High, Add	.....	0.95	
		For Soffit, Columns Or Beams >10' High, Add	.....	1.19	
		For Horizontal Installation Up To 10' High, Add	.....	0.43	
		For Horizontal Installation >10' High, Add	.....	0.51	
		For Curved Wall, Add	.....	0.24	
		For 12" On Center, Add	.....	0.59	
		For 24" On Center, Deduct	.....	-0.59	
		For Up To 200, Add	.....	0.79	
		For >200 To 500, Add	.....	0.39	
		For >2,000, Deduct	.....	-0.27	
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	.....	3.43	0.33
		For Walls >10' High, Add	.....	0.69	
		For Soffit, Columns Or Beams Up To 10' High, Add	.....	1.01	
		For Soffit, Columns Or Beams >10' High, Add	.....	1.26	
		For Horizontal Installation Up To 10' High, Add	.....	0.47	
		For Horizontal Installation >10' High, Add	.....	0.55	
		For Curved Wall, Add	.....	0.25	
		For 12" On Center, Add	.....	0.64	
		For 24" On Center, Deduct	.....	-0.64	
		For Up To 200, Add	.....	0.85	
		For >200 To 500, Add	.....	0.43	
		For >2,000, Deduct	.....	-0.30	
09 22 16 13-0019		16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners (09 22 16 13)			
09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	.....	2.11	0.28
		For Walls >10' High, Add	.....	0.42	
		For Soffit, Columns Or Beams Up To 10' High, Add	.....	0.78	
		For Soffit, Columns Or Beams >10' High, Add	.....	0.99	
		For Horizontal Installation Up To 10' High, Add	.....	0.32	
		For Horizontal Installation >10' High, Add	.....	0.39	
		For Curved Wall, Add	.....	0.21	
		For 12" On Center, Add	.....	0.39	
		For 24" On Center, Deduct	.....	-0.39	
		For Up To 200, Add	.....	0.56	
		For >200 To 500, Add	.....	0.28	
		For >2,000, Deduct	.....	-0.18	
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	.....	2.50	0.29
		For Walls >10' High, Add	.....	0.50	
		For Soffit, Columns Or Beams Up To 10' High, Add	.....	0.84	
		For Soffit, Columns Or Beams >10' High, Add	.....	1.06	
		For Horizontal Installation Up To 10' High, Add	.....	0.36	
		For Horizontal Installation >10' High, Add	.....	0.44	
		For Curved Wall, Add	.....	0.22	
		For 12" On Center, Add	.....	0.46	
		For 24" On Center, Deduct	.....	-0.46	
		For Up To 200, Add	.....	0.65	
		For >200 To 500, Add	.....	0.32	
		For >2,000, Deduct	.....	-0.21	
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	.....	2.65	0.31
		For Walls >10' High, Add	.....	0.53	
		For Soffit, Columns Or Beams Up To 10' High, Add	.....	0.89	
		For Soffit, Columns Or Beams >10' High, Add	.....	1.12	
		For Horizontal Installation Up To 10' High, Add	.....	0.38	
		For Horizontal Installation >10' High, Add	.....	0.46	
		For Curved Wall, Add	.....	0.23	
		For 12" On Center, Add	.....	0.49	
		For 24" On Center, Deduct	.....	-0.49	
		For Up To 200, Add	.....	0.69	
		For >200 To 500, Add	.....	0.34	
		For >2,000, Deduct	.....	-0.23	
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	.....	3.41	0.32
		For Walls >10' High, Add	.....	0.68	
		For Soffit, Columns Or Beams Up To 10' High, Add	.....	1.00	
		For Soffit, Columns Or Beams >10' High, Add	.....	1.24	
		For Horizontal Installation Up To 10' High, Add	.....	0.46	
		For Horizontal Installation >10' High, Add	.....	0.55	
		For Curved Wall, Add	.....	0.25	
		For 12" On Center, Add	.....	0.64	
		For 24" On Center, Deduct	.....	-0.64	
		For Up To 200, Add	.....	0.85	
		For >200 To 500, Add	.....	0.42	
		For >2,000, Deduct	.....	-0.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16	13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	3.77	0.34
			For Walls >10' High, Add	0.75	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.07	
			For Soffit, Columns Or Beams >10' High, Add	1.32	
			For Horizontal Installation Up To 10' High, Add	0.51	
			For Horizontal Installation >10' High, Add	0.59	
			For Curved Wall, Add	0.26	
			For 12" On Center, Add	0.71	
			For 24" On Center, Deduct	-0.71	
			For Up To 200, Add	0.93	
			For >200 To 500, Add	0.46	
			For >2,000, Deduct	-0.33	
09 22 36			Lath (09 22)		
09 22 36 13			Gypsum Lath (09 22 36)		
09 22 36 13-0001			Plaster Base Gypsum Panels (09 22 36 13)		
09 22 36 13-0002	SF		3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	0.63	0.16
			For Walls >10' High, Add	0.04	
			For Up To 100, Add	0.17	
			For >100 To 500, Add	0.08	
			For >5,000, Deduct	-0.03	
09 22 36 13-0003	SF		1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	0.93	0.19
			For Walls >10' High, Add	0.05	
			For Up To 100, Add	0.19	
			For >100 To 500, Add	0.10	
			For >5,000, Deduct	-0.04	
09 22 36 13-0004	SF		5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.23	0.22
			For Walls >10' High, Add	0.05	
			For Up To 100, Add	0.22	
			For >100 To 500, Add	0.11	
			For >5,000, Deduct	-0.04	
09 22 36 13-0005	SF		3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	0.77	0.23
			For Ceilings >10' High, Add	0.07	
			For Up To 100, Add	0.24	
			For >100 To 500, Add	0.12	
			For >5,000, Deduct	-0.05	
09 22 36 13-0006	SF		1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	1.09	0.27
			For Ceilings >10' High, Add	0.08	
			For Up To 100, Add	0.27	
			For >100 To 500, Add	0.14	
			For >5,000, Deduct	-0.05	
09 22 36 13-0007	SF		5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	1.42	0.31
			For Ceilings >10' High, Add	0.09	
			For Up To 100, Add	0.31	
			For >100 To 500, Add	0.16	
			For >5,000, Deduct	-0.06	
09 22 36 13-0008	SF		3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	0.90	0.30
			For Columns And Beams >10' High, Add	0.09	
			For Up To 100, Add	0.30	
			For >100 To 500, Add	0.15	
			For >5,000, Deduct	-0.06	
09 22 36 13-0009	SF		1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	1.24	0.34
			For Columns And Beams >10' High, Add	0.10	
			For Up To 100, Add	0.35	
			For >100 To 500, Add	0.17	
			For >5,000, Deduct	-0.07	
09 22 36 13-0010	SF		5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	1.59	0.39
			For Columns And Beams >10' High, Add	0.12	
			For Up To 100, Add	0.40	
			For >100 To 500, Add	0.20	
			For >5,000, Deduct	-0.08	
09 22 36 13-0011			Firestop Plaster Base Gypsum Panels (09 22 36 13)		
09 22 36 13-0012	SF		3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	0.99	0.16
			For Walls >10' High, Add	0.04	
			For Up To 100, Add	0.17	
			For >100 To 500, Add	0.08	
			For >5,000, Deduct	-0.03	
09 22 36 13-0013	SF		1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	1.15	0.19
			For Walls >10' High, Add	0.05	
			For Up To 100, Add	0.19	
			For >100 To 500, Add	0.10	
			For >5,000, Deduct	-0.04	
09 22 36 13-0014	SF		3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	1.13	0.23
			For Ceilings >10' High, Add	0.07	
			For Up To 100, Add	0.24	
			For >100 To 500, Add	0.12	
			For >5,000, Deduct	-0.05	
09 22 36 13-0015	SF		1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	1.31	0.27
			For Ceilings >10' High, Add	0.08	
			For Up To 100, Add	0.27	
			For >100 To 500, Add	0.14	
			For >5,000, Deduct	-0.05	

09 Finishes
09 20 Plaster And Gypsum Board
09 22 Supports For Plaster And Gypsum Board



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	1.26		0.30
		<i>For Columns And Beams >10' High, Add</i>	0.09		
		<i>For Up To 100, Add</i>	0.30		
		<i>For >100 To 500, Add</i>	0.15		
		<i>For >5,000, Deduct</i>	-0.06		
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	1.46		0.34
		<i>For Columns And Beams >10' High, Add</i>	0.10		
		<i>For Up To 100, Add</i>	0.35		
		<i>For >100 To 500, Add</i>	0.17		
		<i>For >5,000, Deduct</i>	-0.07		
09 22 36 13-0018 Foil Back Plaster Base Gypsum Panels <small>(09 22 36 13)</small>					
09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	0.99		0.16
		<i>For Walls >10' High, Add</i>	0.04		
		<i>For Up To 100, Add</i>	0.17		
		<i>For >100 To 500, Add</i>	0.08		
		<i>For >5,000, Deduct</i>	-0.03		
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	1.15		0.19
		<i>For Walls >10' High, Add</i>	0.05		
		<i>For Up To 100, Add</i>	0.19		
		<i>For >100 To 500, Add</i>	0.10		
		<i>For >5,000, Deduct</i>	-0.04		
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	1.13		0.23
		<i>For Ceilings >10' High, Add</i>	0.07		
		<i>For Up To 100, Add</i>	0.24		
		<i>For >100 To 500, Add</i>	0.12		
		<i>For >5,000, Deduct</i>	-0.05		
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	1.31		0.27
		<i>For Ceilings >10' High, Add</i>	0.08		
		<i>For Up To 100, Add</i>	0.27		
		<i>For >100 To 500, Add</i>	0.14		
		<i>For >5,000, Deduct</i>	-0.05		
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	1.26		0.30
		<i>For Columns And Beams >10' High, Add</i>	0.09		
		<i>For Up To 100, Add</i>	0.30		
		<i>For >100 To 500, Add</i>	0.15		
		<i>For >5,000, Deduct</i>	-0.06		
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	1.46		0.34
		<i>For Columns And Beams >10' High, Add</i>	0.10		
		<i>For Up To 100, Add</i>	0.35		
		<i>For >100 To 500, Add</i>	0.17		
		<i>For >5,000, Deduct</i>	-0.07		
09 22 36 23 Metal Lath <small>(09 22 36)</small>					
09 22 36 23-0001 Flat Diamond, Expanded Metal Lath <small>(09 22 36 23)</small>					
09 22 36 23-0002	SF	1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.02		0.23
		<i>For Walls >10' High, Add</i>	0.07		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.26		
		<i>For >100 To 500, Add</i>	0.13		
		<i>For >5,000, Deduct</i>	-0.05		
09 22 36 23-0003	SF	2.0 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.09		0.23
		<i>For Walls >10' High, Add</i>	0.07		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.26		
		<i>For >100 To 500, Add</i>	0.13		
		<i>For >5,000, Deduct</i>	-0.05		
09 22 36 23-0004	SF	2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.16		0.23
		<i>For Walls >10' High, Add</i>	0.07		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.26		
		<i>For >100 To 500, Add</i>	0.13		
		<i>For >5,000, Deduct</i>	-0.05		
09 22 36 23-0005	SF	3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.37		0.24
		<i>For Walls >10' High, Add</i>	0.07		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.28		
		<i>For >100 To 500, Add</i>	0.14		
		<i>For >5,000, Deduct</i>	-0.06		
09 22 36 23-0006	SF	1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	1.09		0.26
		<i>For Ceilings >10' High, Add</i>	0.09		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.30		
		<i>For >100 To 500, Add</i>	0.15		
		<i>For >5,000, Deduct</i>	-0.06		
09 22 36 23-0007	SF	2.0 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	1.16		0.26
		<i>For Ceilings >10' High, Add</i>	0.09		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.30		
		<i>For >100 To 500, Add</i>	0.15		
		<i>For >5,000, Deduct</i>	-0.06		
09 22 36 23-0008	SF	2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	1.23		0.26
		<i>For Ceilings >10' High, Add</i>	0.09		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.30		
		<i>For >100 To 500, Add</i>	0.15		
		<i>For >5,000, Deduct</i>	-0.06		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0009	SF		3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	1.41	0.26
			For Ceilings >10' High, Add	0.09	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.30	
			For >100 To 500, Add	0.15	
			For >5,000, Deduct	-0.06	
09 22 36 23-0010	SF		1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	1.38	0.36
			For Columns And Beams >10' High, Add	0.12	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.41	
			For >100 To 500, Add	0.21	
			For >5,000, Deduct	-0.08	
09 22 36 23-0011	SF		2.0 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	1.45	0.36
			For Columns And Beams >10' High, Add	0.12	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.41	
			For >100 To 500, Add	0.21	
			For >5,000, Deduct	-0.08	
09 22 36 23-0012	SF		2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	1.52	0.36
			For Columns And Beams >10' High, Add	0.12	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.41	
			For >100 To 500, Add	0.21	
			For >5,000, Deduct	-0.08	
09 22 36 23-0013	SF		3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	1.90	0.47
			For Columns And Beams >10' High, Add	0.15	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.51	
			For >100 To 500, Add	0.26	
			For >5,000, Deduct	-0.10	
09 22 36 23-0014			Self Furring, Flat Diamond, Expanded Metal Lath (09 22 36 23)		
09 22 36 23-0015	SF		1.75 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.05	0.24
			For Walls >10' High, Add	0.07	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.28	
			For >100 To 500, Add	0.14	
			For >5,000, Deduct	-0.06	
09 22 36 23-0016	SF		2.0 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.12	0.24
			For Walls >10' High, Add	0.07	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.28	
			For >100 To 500, Add	0.14	
			For >5,000, Deduct	-0.06	
09 22 36 23-0017	SF		2.5 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.19	0.24
			For Walls >10' High, Add	0.07	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.28	
			For >100 To 500, Add	0.14	
			For >5,000, Deduct	-0.06	
09 22 36 23-0018	SF		3.4 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.37	0.24
			For Walls >10' High, Add	0.07	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.28	
			For >100 To 500, Add	0.14	
			For >5,000, Deduct	-0.06	
09 22 36 23-0019	SF		1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.58	0.47
			For Columns And Beams >10' High, Add	0.15	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.51	
			For >100 To 500, Add	0.26	
			For >5,000, Deduct	-0.10	
09 22 36 23-0020	SF		2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.65	0.47
			For Columns And Beams >10' High, Add	0.15	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.51	
			For >100 To 500, Add	0.26	
			For >5,000, Deduct	-0.10	
09 22 36 23-0021	SF		2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.72	0.47
			For Columns And Beams >10' High, Add	0.15	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.51	
			For >100 To 500, Add	0.26	
			For >5,000, Deduct	-0.10	
09 22 36 23-0022	SF		3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	2.05	0.53
			For Columns And Beams >10' High, Add	0.18	
			For Paper Backed Lath, Add	0.06	
			For Up To 100, Add	0.59	
			For >100 To 500, Add	0.29	
			For >5,000, Deduct	-0.12	
09 22 36 23-0023			High Rib Metal Lath (09 22 36 23)		
09 22 36 23-0024	SF		2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath.....	1.29	0.26
			For Ceilings >10' High, Add	0.09	
			For Up To 100, Add	0.30	
			For >100 To 500, Add	0.15	
			For >5,000, Deduct	-0.06	

09 Finishes

09 20 Plaster And Gypsum Board

09 22 Supports For Plaster And Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0025	SF		3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	1.39	0.26
			<i>For Ceilings >10' High, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 500, Add</i>	0.15	
			<i>For >5,000, Deduct</i>	-0.06	
09 22 36 23-0026	SF		3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	1.46	0.26
			<i>For Ceilings >10' High, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 500, Add</i>	0.15	
			<i>For >5,000, Deduct</i>	-0.06	
09 22 36 23-0027	SF		4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	1.57	0.26
			<i>For Ceilings >10' High, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 500, Add</i>	0.15	
			<i>For >5,000, Deduct</i>	-0.06	
09 22 36 33 Fiberglass Lath (09 22 36)					
09 22 36 33-0001			Non-Metallic, Fiberglass Lath (09 22 36 33)		
09 22 36 33-0002	SF		1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	1.45	0.26
			<i>For Ceilings >10' High, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 500, Add</i>	0.15	
			<i>For >5,000, Deduct</i>	-0.06	
09 22 36 33-0003	SF		1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	1.58	0.26
			<i>For Ceilings >10' High, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 500, Add</i>	0.15	
			<i>For >5,000, Deduct</i>	-0.06	
09 22 36 33-0004	SF		1/8" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath	1.41	0.24
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.28	
			<i>For >100 To 500, Add</i>	0.14	
			<i>For >5,000, Deduct</i>	-0.06	
09 22 36 33-0005	SF		1/4" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath	1.54	0.24
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.28	
			<i>For >100 To 500, Add</i>	0.14	
			<i>For >5,000, Deduct</i>	-0.06	
09 23 Gypsum Plastering (09 20)					
09 23 13			Acoustical Gypsum Plastering (09 23)		
Note: All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.					
09 23 13 00-0001			Casing And Corner Beads (09 23 13)		
09 23 13 00-0002	LF		Galvanized Expanded Flange Casing Bead For Plaster Applications	1.65	0.36
09 23 13 00-0003	LF		Zinc Expanded Flange Casing Bead For Plaster Applications	1.65	0.36
09 23 13 00-0004	LF		Vinyl Expanded Flange Casing Bead For Plaster Applications	1.88	0.36
09 23 13 00-0005	LF		Galvanized Corner Bead For Plaster Applications	1.54	0.36
09 23 13 00-0006	LF		Vinyl Corner Bead For Plaster Applications	1.58	0.36
09 23 13 00-0007			Trim (09 23 13)		
09 23 13 00-0008	LF		Galvanized "J" Trim For Plaster Applications	1.66	0.36
			<i>For Vinyl Instead Of Galvanized, Add</i>	0.11	
			<i>For Zinc Instead Of Galvanized, Add</i>	0.72	
09 23 13 00-0009	LF		Galvanized "L" Trim For Plaster Applications	1.66	0.36
			<i>For Vinyl Instead Of Galvanized, Add</i>	0.11	
			<i>For Zinc Instead Of Galvanized, Add</i>	0.72	
09 23 13 00-0010	LF		Galvanized "U" Trim For Plaster Applications	1.66	0.36
			<i>For Vinyl Instead Of Galvanized, Add</i>	0.11	
			<i>For Zinc Instead Of Galvanized, Add</i>	0.72	
09 23 13 00-0011			Plaster Forms And Expansion Joints (09 23 13)		
09 23 13 00-0012	LF		3/4" Galvanized Expansion Joint For Plaster Applications	2.15	0.36
09 23 13 00-0013			One Skim Coat Gypsum Plaster On Walls (09 23 13)		
09 23 13 00-0014	SF		Skim Coat One Coat Gypsum Plaster On Walls	0.59	
			<i>For Walls >10' High, Add</i>	0.04	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.06	
			<i>For Horizontal Installation >10' High, Add</i>	0.12	
			<i>For Columns Or Beams Up To 10' High, Add</i>	0.12	
			<i>For Columns Or Beams >10' High, Add</i>	0.18	
			<i>For Up To 100, Add</i>	0.20	
			<i>For >100 To 500, Add</i>	0.10	
			<i>For >5,000, Deduct</i>	-0.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0015	SF		For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	0.44	
			For Walls >10' High, Add	0.03	
			For Horizontal Installation Up To 10' High, Add	0.04	
			For Horizontal Installation >10' High, Add	0.09	
			For Columns Or Beams Up To 10' High, Add	0.09	
			For Columns Or Beams >10' High, Add	0.13	
			For Up To 100, Add	0.15	
			For >100 To 500, Add	0.07	
			For >5,000, Deduct	-0.06	
09 23 13 00-0016			Two Coats Gypsum Plaster On Walls (09 23 13)		
09 23 13 00-0017	SF		Smooth Finish Two Coats Gypsum Plaster On Walls.....	2.53	1.32
			For Walls >10' High, Add	0.22	
			For Horizontal Installation Up To 10' High, Add	0.33	
			For Horizontal Installation >10' High, Add	0.65	
			For Columns Or Beams Up To 10' High, Add	0.67	
			For Columns Or Beams >10' High, Add	1.00	
			For Up To 100, Add	1.09	
			For >100 To 500, Add	0.54	
			For >5,000, Deduct	-0.43	
09 23 13 00-0018	SF		Sand Aggregate Two Coats Gypsum Plaster On Walls.....	2.69	1.25
			For Walls >10' High, Add	0.20	
			For Horizontal Installation Up To 10' High, Add	0.31	
			For Horizontal Installation >10' High, Add	0.61	
			For Columns Or Beams Up To 10' High, Add	0.63	
			For Columns Or Beams >10' High, Add	0.94	
			For Up To 100, Add	1.02	
			For >100 To 500, Add	0.51	
			For >5,000, Deduct	-0.41	
09 23 13 00-0019	SF		Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls.....	2.98	1.25
			For Walls >10' High, Add	0.20	
			For Horizontal Installation Up To 10' High, Add	0.31	
			For Horizontal Installation >10' High, Add	0.61	
			For Columns Or Beams Up To 10' High, Add	0.63	
			For Columns Or Beams >10' High, Add	0.94	
			For Up To 100, Add	1.02	
			For >100 To 500, Add	0.51	
			For >5,000, Deduct	-0.41	
09 23 13 00-0020			Three Coats Gypsum Plaster On Walls (09 23 13)		
09 23 13 00-0021	SF		Smooth Finish Three Coats Gypsum Plaster On Walls	3.11	1.60
			For Walls >10' High, Add	0.26	
			For Horizontal Installation Up To 10' High, Add	0.39	
			For Horizontal Installation >10' High, Add	0.78	
			For Columns Or Beams Up To 10' High, Add	0.80	
			For Columns Or Beams >10' High, Add	1.19	
			For Up To 100, Add	1.30	
			For >100 To 500, Add	0.65	
			For >5,000, Deduct	-0.52	
09 23 13 00-0022	SF		Sand Aggregate Three Coats Gypsum Plaster On Walls	3.22	1.46
			For Walls >10' High, Add	0.24	
			For Horizontal Installation Up To 10' High, Add	0.36	
			For Horizontal Installation >10' High, Add	0.72	
			For Columns Or Beams Up To 10' High, Add	0.75	
			For Columns Or Beams >10' High, Add	1.11	
			For Up To 100, Add	1.21	
			For >100 To 500, Add	0.60	
			For >5,000, Deduct	-0.48	
09 23 13 00-0023	SF		Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	3.01	1.46
			For Walls >10' High, Add	0.24	
			For Horizontal Installation Up To 10' High, Add	0.36	
			For Horizontal Installation >10' High, Add	0.72	
			For Columns Or Beams Up To 10' High, Add	0.74	
			For Columns Or Beams >10' High, Add	1.10	
			For Up To 100, Add	1.20	
			For >100 To 500, Add	0.60	
			For >5,000, Deduct	-0.48	
09 23 13 00-0024			Keene's Cement Plaster, Quick Setting, White Hard Plaster (09 23 13)		
			Note: Used for areas with higher than normal moisture.		
09 23 13 00-0025	SF		1 Coat Keene's Cement Plaster On Walls	2.03	0.89
			For Walls >10' High, Add	0.14	
			For Horizontal Installation Up To 10' High, Add	0.21	
			For Horizontal Installation >10' High, Add	0.43	
			For Columns Or Beams Up To 10' High, Add	0.44	
			For Columns Or Beams >10' High, Add	0.66	
			For Up To 100, Add	0.72	
			For >100 To 500, Add	0.36	
			For >5,000, Deduct	-0.29	

09 Finishes
09 20 Plaster And Gypsum Board
09 23 Gypsum Plastering



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0026	SF		2 Coat Keene's Cement Plaster On Walls	3.02	1.39
			For Walls >10' High, Add	0.23	
			For Horizontal Installation Up To 10' High, Add	0.34	
			For Horizontal Installation >10' High, Add	0.68	
			For Columns Or Beams Up To 10' High, Add	0.70	
			For Columns Or Beams >10' High, Add	1.04	
			For Up To 100, Add	1.13	
			For >100 To 500, Add	0.57	
			For >5,000, Deduct	-0.45	
09 23 13 00-0027	SF		3 Coat Keene's Cement Plaster On Walls	3.41	1.57
			For Walls >10' High, Add	0.26	
			For Horizontal Installation Up To 10' High, Add	0.38	
			For Horizontal Installation >10' High, Add	0.77	
			For Columns Or Beams Up To 10' High, Add	0.79	
			For Columns Or Beams >10' High, Add	1.17	
			For Up To 100, Add	1.28	
			For >100 To 500, Add	0.64	
			For >5,000, Deduct	-0.51	
09 23 13 00-0028			Plaster Bonding Agent (09 23 13)		
09 23 13 00-0029	SF		1 Coat, Brush/Roller Plaster Bonding Agent	0.31	
			For Walls >10' High, Add	0.02	
			For Columns Or Beams Up To 10' High, Add	0.06	
			For Columns Or Beams >10' High, Add	0.09	
			For Ceiling Application Up To 10' High, Add	0.03	
			For Ceiling Application >10' High, Add	0.05	
09 24			Cement Plastering (09 20)		
09 24 23			Cement Stucco (09 24)		
			Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.		
09 24 23 00-0001			Stucco (09 24 23)		
			Note: Excludes wall scaffolding or lifting equipment. See CSI section 09 22 36 00-0000 for lath.		
09 24 23 00-0002	SF		Three Coat Troweled Stucco, Scratch/Brown/Finish.....	3.71	1.10
			Note: Excludes lath and felt. Interior or exterior, one side.		
			For Walls >10' High, Add	0.30	
			For Horizontal Installation Up To 10' High, Add	0.45	
			For Horizontal Installation >10' High, Add	0.91	
			For Columns Or Beams Up To 10' High, Add	0.94	
			For Columns Or Beams >10' High, Add	1.39	
			For Color Added To Finish Coat, Add	0.15	
			For Smooth Float Finish, Add	0.63	
			For Up To 100, Add	1.51	
			For >100 To 500, Add	0.76	
			For >5,000, Deduct	-0.60	
09 24 23 00-0003	SF		Two Coat Troweled Stucco, Scratch/Brown.....	1.70	0.53
			Note: Excludes lath and felt. Interior or exterior, one side.		
			For Walls >10' High, Add	0.11	
			For Horizontal Installation Up To 10' High, Add	0.17	
			For Horizontal Installation >10' High, Add	0.33	
			For Columns Or Beams Up To 10' High, Add	0.34	
			For Columns Or Beams >10' High, Add	0.51	
			For Up To 100, Add	0.55	
			For >100 To 500, Add	0.28	
			For >5,000, Deduct	-0.22	
09 24 23 00-0004	SF		Two Coat Troweled Stucco, Scratch/Finish	2.46	0.53
			Note: Excludes lath and felt. Interior or exterior, one side.		
			For Walls >10' High, Add	0.20	
			For Horizontal Installation Up To 10' High, Add	0.29	
			For Horizontal Installation >10' High, Add	0.59	
			For Columns Or Beams Up To 10' High, Add	0.61	
			For Columns Or Beams >10' High, Add	0.90	
			For Color Added To Finish Coat, Add	0.15	
			For Smooth Float Finish, Add	0.54	
			For Up To 100, Add	0.98	
			For >100 To 500, Add	0.49	
			For >5,000, Deduct	-0.39	
09 24 23 00-0005	SF		Finish Coat Troweled Stucco	1.51	0.36
			Note: Excludes lath and felt. Interior or exterior, one side.		
			For Walls >10' High, Add	0.14	
			For Horizontal Installation Up To 10' High, Add	0.21	
			For Horizontal Installation >10' High, Add	0.43	
			For Columns Or Beams Up To 10' High, Add	0.44	
			For Columns Or Beams >10' High, Add	0.66	
			For Color Added To Finish Coat, Add	0.15	
			For Smooth Float Finish, Add	0.54	
			For Up To 100, Add	0.72	
			For >100 To 500, Add	0.36	
			For >5,000, Deduct	-0.29	
09 24 33			Cement Parging (09 24)		
09 24 33 00-0001			Cement Parging (09 24 33)		
09 24 33 00-0002	SF		1/8" Thick Sand And Cement Parging.....	1.51	
09 24 33 00-0003	SF		1/4" Thick Sand And Cement Parging.....	1.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 24 33 00-0004 SF 1/2" Thick Sand And Cement Parging 2.48

09 28 Backing Boards And Underlayments (09 20)

09 28 13 Cementitious Backer Boards (09 28)

09 28 13 00-0001

Cementitious Backer Units (09 28 13)

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	1.79	0.24
		For Up To 50, Add	1.18	
		For >50 To 250, Add	0.19	
		For >1,000, Deduct	-0.10	
		For Installation On Wall, Add	0.19	
		For Installation On Ceiling, Add	0.49	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	2.02	0.29
		For Up To 50, Add	1.38	
		For >50 To 250, Add	0.23	
		For >1,000, Deduct	-0.12	
		For Installation On Wall, Add	0.23	
		For Installation On Ceiling, Add	0.59	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	2.54	0.34
		For Up To 50, Add	1.66	
		For >50 To 250, Add	0.27	
		For >1,000, Deduct	-0.14	
		For Installation On Wall, Add	0.27	
		For Installation On Ceiling, Add	0.68	

09 28 16 Glass-Mat Faced Gypsum Backing Boards (09 28)

09 28 16 00-0001

Glass Mat Faced Backer Units, DensShield (09 28 16)

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" DensShield Tile Backer For Installation On Floors	1.49	0.27
		For Up To 50, Add	0.90	
		For >50 To 250, Add	0.14	
		For >1,000, Deduct	-0.07	
		For Installation On Wall, Add	0.14	
		For Installation On Ceiling, Add	0.35	
09 28 16 00-0003	SF	5/8" DensShield Tile Backer For Installation On Floors	2.01	0.31
		For Up To 50, Add	1.09	
		For >50 To 250, Add	0.16	
		For >1,000, Deduct	-0.08	
		For Installation On Wall, Add	0.16	
		For Installation On Ceiling, Add	0.39	

09 29 Gypsum Board (09 20)

09 29 00 00-0001

Standard Gypsum Board Application (09 29)

Note: Price includes gypsum board screwed on one face only, without finishing. Installed on walls, ceilings, beams, columns, soffits, recesses and chases, flat or curved surfaces. See CSI section 09 01 20 91-0001 for small repairs, 09 29 00 00-0054 for finishing gypsum board, 09 29 00 00-0072 for casing and corner bead, 09 91 43 00-0011 for small repairs.

09 29 00 00-0002

Standard Gypsum Board Application (09 29 00 00-0001)

09 29 00 00-0003	SF	1/4" Gypsum Board	0.62	0.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.07	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.16	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
		For Horizontal Installation Up To 10' High, Add	0.11	
		For Horizontal Installation >10' High, Add	0.16	
		For Walls >10' High, Add	0.02	
		For Up To 128, Add	0.19	
		For >128 To 320, Add	0.11	
		For >1,600, Deduct	-0.05	
09 29 00 00-0004	SF	3/8" Gypsum Board	0.66	0.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.08	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.18	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
		For Foil Back Board, Add	0.10	
		For Horizontal Installation Up To 10' High, Add	0.12	
		For Horizontal Installation >10' High, Add	0.18	
		For Walls >10' High, Add	0.03	
		For Up To 128, Add	0.20	
		For >128 To 320, Add	0.12	
		For >1,600, Deduct	-0.05	
09 29 00 00-0005	SF	1/2" Gypsum Board	0.72	0.20
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.10	
		For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.21	
		For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
		For Foil Back Board, Add	0.10	
		For Horizontal Installation Up To 10' High, Add	0.14	
		For Horizontal Installation >10' High, Add	0.21	
		For Walls >10' High, Add	0.03	
		For Up To 128, Add	0.23	
		For >128 To 320, Add	0.13	
		For >1,600, Deduct	-0.05	

09 Finishes
09 20 Plaster And Gypsum Board
09 29 Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0006	SF		5/8" Gypsum Board.....	0.85	0.23
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.11	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.24	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
			<i>For Foil Back Board, Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.16	
			<i>For Horizontal Installation >10' High, Add</i>	0.24	
			<i>For Walls >10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.26	
			<i>For >128 To 320, Add</i>	0.16	
			<i>For >1,600, Deduct</i>	-0.06	
09 29 00 00-0007	SF		1/4" Gypsum Board, Two Layers.....	1.18	0.28
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.14	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.28	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.19	
			<i>For Horizontal Installation >10' High, Add</i>	0.28	
			<i>For Walls >10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.35	
			<i>For >128 To 320, Add</i>	0.20	
			<i>For >1,600, Deduct</i>	-0.09	
09 29 00 00-0008	SF		3/8" Gypsum Board, Two Layers.....	1.25	0.31
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.15	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.32	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.21	
			<i>For Horizontal Installation >10' High, Add</i>	0.32	
			<i>For Walls >10' High, Add</i>	0.05	
			<i>For Up To 128, Add</i>	0.38	
			<i>For >128 To 320, Add</i>	0.22	
			<i>For >1,600, Deduct</i>	-0.09	
09 29 00 00-0009	SF		1/2" Gypsum Board, Two Layers.....	1.34	0.36
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.17	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.36	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.24	
			<i>For Horizontal Installation >10' High, Add</i>	0.36	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.41	
			<i>For >128 To 320, Add</i>	0.24	
			<i>For >1,600, Deduct</i>	-0.10	
09 29 00 00-0010	SF		5/8" Gypsum Board, Two Layers.....	1.59	0.42
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.20	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.42	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.28	
			<i>For Horizontal Installation >10' High, Add</i>	0.42	
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 128, Add</i>	0.48	
			<i>For >128 To 320, Add</i>	0.28	
			<i>For >1,600, Deduct</i>	-0.12	
09 29 00 00-0011			Fire Rated Gypsum Board Application (09 29 00 00-0001)		
09 29 00 00-0012			Type X, Fire Rated Gypsum Board (09 29 00 00-0011)		
09 29 00 00-0013	SF		5/8" Type X Fire Rated Gypsum Board.....	0.88	0.23
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.12	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.26	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
			<i>For Foil Back Board, Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.17	
			<i>For Horizontal Installation >10' High, Add</i>	0.26	
			<i>For Walls >10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.28	
			<i>For >128 To 320, Add</i>	0.16	
			<i>For >1,600, Deduct</i>	-0.06	
09 29 00 00-0014	SF		5/8" Type X Fire Rated Gypsum Board, Two Layers.....	1.66	0.23
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.22	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.46	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.31	
			<i>For Horizontal Installation >10' High, Add</i>	0.46	
			<i>For Walls >10' High, Add</i>	0.07	
			<i>For Up To 128, Add</i>	0.51	
			<i>For >128 To 320, Add</i>	0.30	
			<i>For >1,600, Deduct</i>	-0.12	
09 29 00 00-0015			Type C, Fire Rated Gypsum Board (09 29 00 00-0011)		
09 29 00 00-0016	SF		1/2" Type C Fire Rated Gypsum Board.....	0.84	0.20
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.11	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.23	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
			<i>For Foil Back Board, Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.15	
			<i>For Horizontal Installation >10' High, Add</i>	0.23	
			<i>For Walls >10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.26	
			<i>For >128 To 320, Add</i>	0.15	
			<i>For >1,600, Deduct</i>	-0.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0017	SF		5/8" Type C Fire Rated Gypsum Board For Curved Surfaces With A 2'-0" Maximum Radius, Add For Times When The Shortest Distance From Corner to Corner Is <3', Add For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add For Foil Back Board, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,600, Deduct	0.93 0.12 0.26 0.09 0.10 0.17 0.26 0.04 0.29 0.17 -0.07	0.23
09 29 00 00-0018	SF		1/2" Type C Fire Rated Gypsum Board, Two Layers For Curved Surfaces With A 2'-0" Maximum Radius, Add For Times When The Shortest Distance From Corner to Corner Is <3', Add For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,600, Deduct	1.59 0.19 0.40 0.10 0.27 0.40 0.06 0.48 0.28 -0.12	0.20
09 29 00 00-0019	SF		5/8" Type C Fire Rated Gypsum Board, Two Layers For Curved Surfaces With A 2'-0" Maximum Radius, Add For Times When The Shortest Distance From Corner to Corner Is <3', Add For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,600, Deduct	1.74 0.22 0.46 0.11 0.31 0.46 0.07 0.53 0.31 -0.13	0.23
09 29 00 00-0020			Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 00 00-0011)		
09 29 00 00-0021	SF		3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®) For Curved Surfaces With A 2'-0" Maximum Radius, Add For Times When The Shortest Distance From Corner to Corner Is <3', Add For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,600, Deduct	1.45 0.13 0.26 0.09 0.17 0.26 0.04 0.39 0.22 -0.12	0.23
09 29 00 00-0022	SF		3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®), Two Layers For Curved Surfaces With A 2'-0" Maximum Radius, Add For Times When The Shortest Distance From Corner to Corner Is <3', Add For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,600, Deduct	2.80 0.23 0.46 0.11 0.31 0.46 0.07 0.74 0.42 -0.23	0.23
09 29 00 00-0023			Moisture Resistant Gypsum Board Application (09 29 00 00-0001) Note: Water-resistant gypsum core.		
09 29 00 00-0024	SF		1/2" Moisture Resistant Gypsum Board For Curved Surfaces With A 2'-0" Maximum Radius, Add For Times When The Shortest Distance From Corner to Corner Is <3', Add For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,600, Deduct	0.82 0.10 0.21 0.08 0.14 0.21 0.03 0.25 0.14 -0.06	0.20
09 29 00 00-0025	SF		5/8" Moisture Resistant Gypsum Board For Curved Surfaces With A 2'-0" Maximum Radius, Add For Times When The Shortest Distance From Corner to Corner Is <3', Add For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,600, Deduct	1.11 0.11 0.24 0.08 0.16 0.24 0.04 0.32 0.18 -0.09	0.20
09 29 00 00-0026			Vinyl Faced Gypsum Board Application (09 29 00 00-0001) Note: All prefinished vinyl faced panels include, screws, edge grip clips and adhesive.		

09 Finishes
09 20 Plaster And Gypsum Board
09 29 Gypsum Board



MINOR		TOTAL DIRECT DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 29 00 00-0027	SF 3/8" Prefinished, Vinyl Faced Gypsum Board	1.84	0.15
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.10	
	<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.18	
	<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.12	
	<i>For Horizontal Installation >10' High, Add</i>	0.18	
	<i>For Walls >10' High, Add</i>	0.03	
	<i>For Up To 128, Add</i>	0.44	
	<i>For >128 To 320, Add</i>	0.24	
	<i>For >1,600, Deduct</i>	-0.17	
09 29 00 00-0028	SF 1/2" Prefinished, Vinyl Faced Gypsum Board	1.90	0.20
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.11	
	<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.21	
	<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.14	
	<i>For Horizontal Installation >10' High, Add</i>	0.21	
	<i>For Walls >10' High, Add</i>	0.03	
	<i>For Up To 128, Add</i>	0.46	
	<i>For >128 To 320, Add</i>	0.25	
	<i>For >1,600, Deduct</i>	-0.17	
09 29 00 00-0029	SF 5/8" Prefinished, Vinyl Faced Gypsum Board	1.96	0.23
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.12	
	<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.24	
	<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.16	
	<i>For Horizontal Installation >10' High, Add</i>	0.24	
	<i>For Walls >10' High, Add</i>	0.04	
	<i>For Up To 128, Add</i>	0.49	
	<i>For >128 To 320, Add</i>	0.27	
	<i>For >1,600, Deduct</i>	-0.17	
09 29 00 00-0030	SF 1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	2.23	0.20
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.12	
	<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.23	
	<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.15	
	<i>For Horizontal Installation >10' High, Add</i>	0.23	
	<i>For Walls >10' High, Add</i>	0.04	
	<i>For Up To 128, Add</i>	0.54	
	<i>For >128 To 320, Add</i>	0.29	
	<i>For >1,600, Deduct</i>	-0.20	
09 29 00 00-0031	SF 5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	3.60	0.23
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.15	
	<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.26	
	<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.17	
	<i>For Horizontal Installation >10' High, Add</i>	0.26	
	<i>For Walls >10' High, Add</i>	0.04	
	<i>For Up To 128, Add</i>	0.82	
	<i>For >128 To 320, Add</i>	0.44	
	<i>For >1,600, Deduct</i>	-0.33	
09 29 00 00-0032	Moisture And Mold Resistant Gypsum Board Application (09 29 00 00-0001)		
09 29 00 00-0033	SF 1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.02	0.19
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.10	
	<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.21	
	<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.14	
	<i>For Horizontal Installation >10' High, Add</i>	0.21	
	<i>For Walls >10' High, Add</i>	0.03	
	<i>For Up To 128, Add</i>	0.29	
	<i>For >128 To 320, Add</i>	0.16	
	<i>For >1,600, Deduct</i>	-0.08	
09 29 00 00-0034	SF 5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.22	0.22
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.12	
	<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.24	
	<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.16	
	<i>For Horizontal Installation >10' High, Add</i>	0.24	
	<i>For Walls >10' High, Add</i>	0.04	
	<i>For Up To 128, Add</i>	0.34	
	<i>For >128 To 320, Add</i>	0.19	
	<i>For >1,600, Deduct</i>	-0.10	
09 29 00 00-0035	SF 1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.24	0.19
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.11	
	<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.23	
	<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.15	
	<i>For Horizontal Installation >10' High, Add</i>	0.23	
	<i>For Walls >10' High, Add</i>	0.04	
	<i>For Up To 128, Add</i>	0.34	
	<i>For >128 To 320, Add</i>	0.19	
	<i>For >1,600, Deduct</i>	-0.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0036	SF		5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	1.36 0.13 0.26 0.09 0.17 0.26 0.04 0.37 0.21 -0.11	0.22
09 29 00 00-0037			Hi-Impact Gypsum Board <small>(09 29 00 00-0001)</small> Note: Abrasion, impact and penetration resistant.		
09 29 00 00-0038	SF		0.01" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	1.93 0.12 0.23 0.08 0.16 0.23 0.04 0.48 0.26 -0.17	0.22
09 29 00 00-0039	SF		0.02" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	2.36 0.12 0.23 0.08 0.16 0.23 0.04 0.56 0.31 -0.21	0.22
09 29 00 00-0040	SF		0.03" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	2.79 0.13 0.23 0.08 0.16 0.23 0.04 0.65 0.35 -0.26	0.22
09 29 00 00-0041	SF		0.08" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	5.38 0.16 0.23 0.08 0.16 0.23 0.04 1.17 0.61 -0.52	0.22
09 29 00 00-0042			Hi-Abuse Gypsum Board <small>(09 29 00 00-0001)</small> Note: Surface indentation, impact, abrasion and moisture/mold/mildew resistant.		
09 29 00 00-0043	SF		5/8" Fire Rated, Hi-Abuse Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	1.26 0.11 0.23 0.08 0.16 0.23 0.04 0.34 0.20 -0.10	0.22
09 29 00 00-0044			Soundproof Gypsum Board <small>(09 29 00 00-0001)</small> Note: Minimum STC rating for 1/2" board is 49 and 5/8" board is 51.		
09 29 00 00-0045	SF		1/2" Soundproof Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	2.83 0.13 0.24 0.08 0.16 0.24 0.04 0.66 0.35 -0.26	0.23

09 Finishes
09 20 Plaster And Gypsum Board
09 29 Gypsum Board



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 29 00 00-0046	SF	5/8" Soundproof Gypsum Board	3.54	0.23
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.14	
		<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.24	
		<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.16	
		<i>For Horizontal Installation >10' High, Add</i>	0.24	
		<i>For Walls >10' High, Add</i>	0.04	
		<i>For Up To 128, Add</i>	0.80	
		<i>For >128 To 320, Add</i>	0.42	
		<i>For >1,600, Deduct</i>	-0.33	
09 29 00 00-0047		Shaft Wall <small>(09 29)</small>		
		See CSI section 09 29 00 00-0054 for finishing drywall.		
09 29 00 00-0048	SF	3/4" Fire Rated Shaft Wall Assembly	3.06	0.97
		Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.		
		<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.98	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.66	
		<i>For Horizontal Installation >10' High, Add</i>	0.98	
		<i>For Walls >10' High, Add</i>	0.16	
		<i>For Up To 128, Add</i>	1.00	
		<i>For >128 To 320, Add</i>	0.60	
		<i>For >1,600, Deduct</i>	-0.21	
09 29 00 00-0049	SF	7/8" Fire Rated Shaft Wall Assembly	3.46	1.17
		Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.		
		<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	1.17	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.79	
		<i>For Horizontal Installation >10' High, Add</i>	1.17	
		<i>For Walls >10' High, Add</i>	0.19	
		<i>For Up To 128, Add</i>	1.16	
		<i>For >128 To 320, Add</i>	0.70	
		<i>For >1,600, Deduct</i>	-0.23	
09 29 00 00-0050	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	3.28	0.75
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.75	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.51	
		<i>For Horizontal Installation >10' High, Add</i>	0.75	
		<i>For Walls >10' High, Add</i>	0.12	
		<i>For Up To 128, Add</i>	0.96	
		<i>For >128 To 320, Add</i>	0.55	
		<i>For Glass Mat Surfaces, Add</i>	0.22	
09 29 00 00-0051	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	3.49	0.79
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.79	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.53	
		<i>For Horizontal Installation >10' High, Add</i>	0.79	
		<i>For Walls >10' High, Add</i>	0.13	
		<i>For Up To 128, Add</i>	1.01	
		<i>For >128 To 320, Add</i>	0.58	
		<i>For Glass Mat Surfaces, Add</i>	0.22	
09 29 00 00-0052	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	3.84	0.79
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.79	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.53	
		<i>For Horizontal Installation >10' High, Add</i>	0.79	
		<i>For Walls >10' High, Add</i>	0.13	
		<i>For Up To 128, Add</i>	1.08	
		<i>For >128 To 320, Add</i>	0.62	
		<i>For Glass Mat Surfaces, Add</i>	0.22	
09 29 00 00-0053	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	4.05	0.82
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.83	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.56	
		<i>For Horizontal Installation >10' High, Add</i>	0.83	
		<i>For Walls >10' High, Add</i>	0.13	
		<i>For Up To 128, Add</i>	1.14	
		<i>For >128 To 320, Add</i>	0.65	
		<i>For Glass Mat Surfaces, Add</i>	0.22	
09 29 00 00-0054		Finishing Gypsum Board Applications <small>(09 29)</small>		
		Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.		
09 29 00 00-0055		Finish Gypsum Board Walls, ASTM C840 Level 4 <small>(09 29 00 00-0054)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0056	SF		Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.31	
			For Up To 128, Add	0.11	
			For >128 To 320, Add	0.07	
			For ASTM C840 Level 1 Finish, Deduct	-0.14	
			For ASTM C840 Level 2 Finish, Deduct	-0.07	
			For ASTM C840 Level 3 Finish, Deduct	-0.03	
			For ASTM C840 Level 5 High Quality Finish, Add	0.22	
09 29 00 00-0057	SF		>10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.40	
			Note: Use this task for the entire wall area when the wall is >10' high.		
			For Up To 128, Add	0.15	
			For >128 To 320, Add	0.09	
			For ASTM C840 Level 1 Finish, Deduct	-0.18	
			For ASTM C840 Level 2 Finish, Deduct	-0.09	
			For ASTM C840 Level 3 Finish, Deduct	-0.04	
			For ASTM C840 Level 5 High Quality Finish, Add	0.29	
09 29 00 00-0058			Finish Gypsum Board Ceilings, ASTM C840 Level 4 (09 29 00 00-0054)		
09 29 00 00-0059	SF		Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	0.39	
			For Up To 128, Add	0.14	
			For >128 To 320, Add	0.09	
			For ASTM C840 Level 1 Finish, Deduct	-0.18	
			For ASTM C840 Level 2 Finish, Deduct	-0.09	
			For ASTM C840 Level 3 Finish, Deduct	-0.04	
			For ASTM C840 Level 5 High Quality Finish, Add	0.28	
09 29 00 00-0060	SF		>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	0.52	
			Note: Use this task for the entire wall area when the wall is >10' high.		
			For Up To 128, Add	0.20	
			For >128 To 320, Add	0.12	
			For ASTM C840 Level 1 Finish, Deduct	-0.24	
			For ASTM C840 Level 2 Finish, Deduct	-0.12	
			For ASTM C840 Level 3 Finish, Deduct	-0.05	
			For ASTM C840 Level 5 High Quality Finish, Add	0.38	
09 29 00 00-0061			Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 (09 29 00 00-0054)		
			Note: Inside or outside gypsum board corners.		
09 29 00 00-0062	LF		Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	0.63	
			For ASTM C840 Level 1 Finish, Deduct	-0.27	
			For ASTM C840 Level 2 Finish, Deduct	-0.14	
			For ASTM C840 Level 3 Finish, Deduct	-0.06	
			For ASTM C840 Level 5 High Quality Finish, Add	0.45	
09 29 00 00-0063	LF		>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	0.74	
			Note: Use this task for the entire wall area when the wall is >10' high.		
			For ASTM C840 Level 1 Finish, Deduct	-0.33	
			For ASTM C840 Level 2 Finish, Deduct	-0.16	
			For ASTM C840 Level 3 Finish, Deduct	-0.07	
			For ASTM C840 Level 5 High Quality Finish, Add	0.53	
09 29 00 00-0064			Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 (09 29 00 00-0054)		
			Note: Inside or outside gypsum board corners.		
09 29 00 00-0065	LF		Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	0.72	
			For ASTM C840 Level 1 Finish, Deduct	-0.32	
			For ASTM C840 Level 2 Finish, Deduct	-0.16	
			For ASTM C840 Level 3 Finish, Deduct	-0.07	
			For ASTM C840 Level 5 High Quality Finish, Add	0.52	
09 29 00 00-0066	LF		>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	0.85	
			Note: Use this task for the entire wall area when the wall is >10' high.		
			For ASTM C840 Level 1 Finish, Deduct	-0.38	
			For ASTM C840 Level 2 Finish, Deduct	-0.19	
			For ASTM C840 Level 3 Finish, Deduct	-0.08	
			For ASTM C840 Level 5 High Quality Finish, Add	0.62	
09 29 00 00-0067			Textured Finishes For Gypsum Board (09 29 00 00-0054)		
09 29 00 00-0068	SF		"Popcorn" Spray Applied, Finish On Existing Gypsum Board Ceiling	0.25	
09 29 00 00-0069	SF		Textured Finish On Existing Gypsum Board Ceiling.....	0.43	
			Note: For non spray applied textures.		
09 29 00 00-0070	SF		Spray Applied Orange Peel Finish On Existing Gypsum Board Wall.....	0.21	
09 29 00 00-0071	SF		Spray Applied Knockdown Or Skip Trowel Finish On Existing Gypsum Board Wall.....	0.28	
09 29 00 00-0072			Casing And Corner Beads (09 29)		
09 29 00 00-0073	LF		Casing, Galvanized Steel J-Bead For Gypsum Board.....	1.51	0.38
			For >400, Deduct	-0.09	
09 29 00 00-0074	LF		Corner Bead, Galvanized Steel For Gypsum Board	1.51	0.38
			For >400, Deduct	-0.09	
09 29 00 00-0075			Architectural Forms (09 29)		
09 29 00 00-0076	SF		1" Architectural Foam Forms For Gypsum Board Cover.....	1.90	
09 29 00 00-0077			Prefomed Architectural Profiles (09 29)		
09 29 00 00-0078			Trim Reveals For Gypsum Board (09 29 00 00-0077)		
09 29 00 00-0079	LF		1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	1.82	0.47

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 29 00 00-0080	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	1.83	0.47
09 29 00 00-0081	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	1.89	0.47
09 29 00 00-0082	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	1.91	0.47
09 29 00 00-0083	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	1.98	0.47
09 29 00 00-0084	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.05	0.47
09 29 00 00-0085	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.12	0.47
09 29 00 00-0086	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.34	0.47
09 29 00 00-0087	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.56	0.47
09 29 00 00-0088	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	1.87	0.51
09 29 00 00-0089	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	1.87	0.51
09 29 00 00-0090	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.02	0.51
09 29 00 00-0091	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.05	0.51
09 29 00 00-0092	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.14	0.51
09 29 00 00-0093	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.18	0.51
09 29 00 00-0094	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.24	0.51
09 29 00 00-0095	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.49	0.51
09 29 00 00-0096	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.73	0.51
09 29 00 00-0097	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.74	0.59
09 29 00 00-0098	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.15	0.59
09 29 00 00-0099 Edge Trim For Gypsum Board (09 29 00 00-0077)				
09 29 00 00-0100	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board.....	1.68	0.49
09 29 00 00-0101	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board.....	1.79	0.49
09 29 00 00-0102	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board.....	2.09	0.54
09 29 00 00-0103	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board.....	2.20	0.59
09 29 00 00-0104	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	3.05	0.49
09 29 00 00-0105	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	3.16	0.49
09 29 00 00-0106	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	3.46	0.54
09 29 00 00-0107	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	3.57	0.59
09 29 00 00-0108 Bevel Trim For Gypsum Board (09 29 00 00-0077)				
09 29 00 00-0109	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	1.79	0.49
09 29 00 00-0110	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	2.05	0.54
09 29 00 00-0111 Trim/Wainscot Caps For Gypsum Board (09 29 00 00-0077)				
09 29 00 00-0112	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board.....	2.43	0.59
09 29 00 00-0113 Single Fin Wall/Trim Reveals For Gypsum Board (09 29 00 00-0077)				
09 29 00 00-0114	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	1.72	0.31
09 29 00 00-0115	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	1.75	0.35
09 29 00 00-0116	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.01	0.38
09 29 00 00-0117	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.14	0.43
09 29 00 00-0118	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.26	0.47
09 29 00 00-0119	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.30	0.47
09 29 00 00-0120	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.42	0.47
09 29 00 00-0121	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.65	0.47
09 29 00 00-0122	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.73	0.47
09 29 00 00-0123	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.14	0.51
09 29 00 00-0124	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.17	0.51
09 29 00 00-0125	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.32	0.51
09 29 00 00-0126	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.39	0.51
09 29 00 00-0127	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.44	0.51
09 29 00 00-0128	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.51	0.51
09 29 00 00-0129	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.61	0.51
09 29 00 00-0130	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.85	0.51
09 29 00 00-0131	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.06	0.51
09 29 00 00-0132	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.72	0.51
09 29 00 00-0133	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.97	0.51
09 29 00 00-0134	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	3.47	0.51
09 29 00 00-0135	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	3.58	0.51
09 29 00 00-0136	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	3.95	0.51
09 29 00 00-0137	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	3.99	0.51
09 29 00 00-0138	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board.....	4.52	0.51
09 29 00 00-0139	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board.....	3.73	0.51
09 29 00 00-0140 'V' Groove Wall Reveals For Gypsum Board (09 29 00 00-0077)				
09 29 00 00-0141	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	2.69	0.70
09 29 00 00-0142	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	3.08	0.78
09 29 00 00-0143	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	3.51	0.93
09 29 00 00-0144	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	3.59	1.01
09 29 00 00-0145 Double Fin Wall Reveals For Gypsum Board (09 29 00 00-0077)				
09 29 00 00-0146	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	2.47	0.47
09 29 00 00-0147	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	2.50	0.47
09 29 00 00-0148	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	2.53	0.47
09 29 00 00-0149	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	2.53	0.47
09 29 00 00-0150	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	2.65	0.47
09 29 00 00-0151	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	2.71	0.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0152 LF 3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	2.76	0.47
09 29 00 00-0153 LF 1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	2.88	0.47
09 29 00 00-0154 LF 1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	3.09	0.47
09 29 00 00-0155 LF 2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	3.31	0.47
09 29 00 00-0156 LF 3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	2.62	0.51
09 29 00 00-0157 LF 1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	2.65	0.51
09 29 00 00-0158 LF 3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	2.70	0.51
09 29 00 00-0159 LF 1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	2.83	0.51
09 29 00 00-0160 LF 5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	2.88	0.51
09 29 00 00-0161 LF 3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	2.92	0.51
09 29 00 00-0162 LF 1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	3.06	0.51
09 29 00 00-0163 LF 1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	3.28	0.51
09 29 00 00-0164 LF 2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	3.50	0.51
09 29 00 00-0165 LF 3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	4.08	0.51
09 29 00 00-0166 LF 4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.31	0.51
09 29 00 00-0167 LF 1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	4.79	0.55
09 29 00 00-0168 LF 3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.46	0.68
09 29 00 00-0169 LF 1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.64	0.68
09 29 00 00-0170 LF 1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	4.35	0.46
09 29 00 00-0171 LF 1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	4.08	0.68
09 29 00 00-0172 LF 1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	2.92	0.46
09 29 00 00-0173 Special Conditions Reveals For Gypsum Board (09 29 00 00-0077)		
09 29 00 00-0174 Radius Conditions (09 29 00 00-0173)		
09 29 00 00-0175 EA 8' Long Inside Radius For Gypsum Board	34.16	
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 00 00-0176 EA 8' Long Outside Radius For Gypsum Board	34.16	
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 00 00-0177 EA 8' Long Circular / Arched Radius For Gypsum Board	34.16	
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 00 00-0178 Knee Brace Kit (09 29 00 00-0173)		
09 29 00 00-0179 EA 46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	75.29	4.86
09 29 00 00-0180 Wall Bumper Rail (09 29 00 00-0173)		
09 29 00 00-0181 LF 2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	10.72	1.94
09 29 00 00-0182 Corners For Gypsum Board (09 29 00 00-0077)		
09 29 00 00-0183 LF 1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	2.30	0.47
09 29 00 00-0184 LF 5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	2.46	0.51
09 29 00 00-0185 LF 3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	2.72	0.53
09 29 00 00-0186 LF 1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	3.03	0.55
09 29 00 00-0187 LF 1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	3.67	0.68
09 29 00 00-0188 LF 2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	4.25	0.76
09 29 00 00-0189 LF 2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	5.15	0.87
09 29 00 00-0190 LF 3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	6.25	1.01
09 29 00 00-0191 LF 4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.56	1.35
09 29 00 00-0192 LF 90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	2.29	0.45
09 29 00 00-0193 LF 90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	4.17	0.61
09 29 00 00-0194 LF 90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	3.04	0.61
09 29 00 00-0195 LF 90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	5.37	0.61
09 29 00 00-0196 LF 45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	7.61	0.76
09 29 00 00-0197 LF 60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	7.31	0.76
09 29 00 00-0198 LF 3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	2.27	0.53
09 29 00 00-0199 LF 5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	2.28	0.51
09 29 00 00-0200 LF 1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	2.28	0.47
09 29 00 00-0201 LF 5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	2.40	0.51
09 29 00 00-0202 LF 1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	3.20	0.55
09 29 00 00-0203 LF 1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	2.82	0.47
09 29 00 00-0204 LF 5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	2.98	0.51
09 29 00 00-0205 LF 1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	4.32	0.55
09 29 00 00-0206 LF 1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	4.73	0.47
09 29 00 00-0207 LF 3" Aluminum Extrusions, Bullnose For Gypsum Board	8.18	1.01
09 29 00 00-0208 LF 3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	8.72	1.01
09 29 00 00-0209 LF 5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	16.10	1.69
09 29 00 00-0210 LF 7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	26.64	2.39
09 29 00 00-0211 LF 3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	2.73	0.52
09 29 00 00-0212 LF 1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	3.11	0.55
09 29 00 00-0213 LF 1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	3.74	0.67
09 29 00 00-0214 LF 2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	4.58	0.75
09 29 00 00-0215 LF 2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	6.44	0.85
09 29 00 00-0216 LF 3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	6.99	0.99
09 29 00 00-0217 LF 4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	7.96	1.33
09 29 00 00-0218 LF 3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	5.10	0.99
09 29 00 00-0219 LF 3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	5.17	0.99
09 29 00 00-0220 LF 4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	5.61	0.99
09 29 00 00-0221 LF 5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	5.75	0.99

09	Finishes
09 30	Tiling
09 29	Gypsum Board



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 30 Tiling (09)

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods.

09 30 13 Ceramic Tiling (09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling (09 30 13)

09 30 13 00-0002	SF	Less Than 8" x 8" Mounted Floor Tile.....	6.37	0.99
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	3.07	
		For >50 To 250, Add	0.39	
		For >1,000, Deduct	-0.20	
		For Epoxy Grout, Add	0.60	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 13 00-0003	SF	8" x 8" And Larger Unmounted Floor Tile.....	6.86	0.61
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	3.56	
		For >50 To 250, Add	0.49	
		For >1,000, Deduct	-0.25	
		For Epoxy Grout, Add	0.67	
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 13 00-0004	SF	Mounted Floor Tile, Residential Grade.....	4.74	0.99
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	2.66	
		For >50 To 250, Add	0.39	
		For >1,000, Deduct	-0.20	
09 30 13 00-0005	SF	Less than 8" x 8" Mounted Wall Tile.....	6.79	1.19
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	3.49	
		For >50 To 250, Add	0.48	
		For >1,000, Deduct	-0.24	
		For Epoxy Grout, Add	0.66	
09 30 13 00-0006	SF	8" x 8" And Larger Unmounted Wall Tile.....	7.41	0.76
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	4.11	
		For >50 To 250, Add	0.60	
		For >1,000, Deduct	-0.30	
		For Epoxy Grout, Add	0.75	
09 30 13 00-0007	SF	Mounted Wall Tile, Residential Grade.....	5.16	1.19
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	3.08	
		For >50 To 250, Add	0.48	
		For >1,000, Deduct	-0.24	
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceiling Tile.....	8.53	2.07
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	5.23	
		For >50 To 250, Add	0.83	
		For >1,000, Deduct	-0.41	
		For Chemical Resistant Epoxy Grout, Add	0.92	
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceiling Tile.....	9.36	1.24
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	6.06	
		For >50 To 250, Add	0.99	
		For >1,000, Deduct	-0.50	
		For Chemical Resistant Epoxy Grout, Add	1.04	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High Glazed Porcelain, Unglazed Porcelain And Glazed Ceramic Cove Base Or Trim.....	7.83	0.86
		For Chemical Resistant Epoxy Grout, Add	0.72	
09 30 13 00-0011	SF	4" x 8" x 1/4" Romana Alfagres Paver Spanish.....	4.11	0.76
		Note: Red, sahara sand and salmon colors.		
		For Up To 50, Add	3.27	
		For >50 To 250, Add	0.60	
		For >1,000, Deduct	-0.30	

09 30 16 Quarry Tiling (09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF	Unglazed Quarry Floor Tile.....	4.74	0.70
		Note: With or without embedded abrasive grit.		
		For Up To 50, Add	3.25	
		For >50 To 250, Add	0.55	
		For >1,000, Deduct	-0.28	
		For Epoxy Grout, Add	0.71	
09 30 16 00-0002	SF	Glazed Quarry Floor Tile.....	10.89	0.70



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Includes sections for Thin-Set Tiling, Mortar-Bed Tiling, and Waterproofing-Membrane Tiling.

09	09 Finishes
	09 30 Tiling
	09 34 Waterproofing-Membrane Tiling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 34 00 00-0016	Prefabricated Polystyrene Shower Tray (09 34 00 00-0001) Note: Prefabricated shower tray for tiling over. Excludes tile.		
09 34 00 00-0017	EA 32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152).....	153.03	
09 34 00 00-0018	EA 48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122).....	153.03	
09 34 00 00-0019	EA 72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183).....	243.73	

09 34 00 00-0020	Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) (09 34 00 00-0001)		
09 34 00 00-0021	SF 1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA).....	2.51	
09 34 00 00-0022	SF 5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL).....	2.96	

09 34 00 00-0023	Bonded Waterproof Underlayment Membranes (Schluter® KERDI) (09 34 00 00-0001)		
09 34 00 00-0024	SF 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M).....	2.16	

09 35 Chemical-Resistant Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 00 00-0001	SF Thin Set - Epoxy Mortar.....	2.74	0.43
	Note: Impact and chemical resistant.		
	For Up To 50, Add	1.18	
	For >50 To 250, Add	0.13	
	For >1,000, Deduct	-0.07	

09 39 Tiling Transitions And Accessories (09 30)

09 39 00 00-0001	Tile Substrate (Schluter® KERDI BOARD) (09 39)		
09 39 00 00-0002	LF 1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD).....	4.73	0.27
09 39 00 00-0003	LF 5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD).....	5.33	0.31

09 39 00 00-0004	Floor Edge Protection And Transition Profiles For Tile (09 39)		
09 39 00 00-0005	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	1.75	
09 39 00 00-0006	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	1.82	
09 39 00 00-0007	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	1.89	
09 39 00 00-0008	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	2.01	
09 39 00 00-0009	LF 1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	2.49	
09 39 00 00-0010	LF 5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	2.58	
09 39 00 00-0011	LF 3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	2.65	
09 39 00 00-0012	LF 1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	2.72	
09 39 00 00-0013	LF 9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	1.86	
09 39 00 00-0014	LF 1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	2.72	
09 39 00 00-0015	LF 1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	2.50	
09 39 00 00-0016	LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	2.66	
09 39 00 00-0017	LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	2.81	
09 39 00 00-0018	LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	3.50	
09 39 00 00-0019	LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	2.61	
09 39 00 00-0020	LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	2.76	
09 39 00 00-0021	LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	3.46	

09 39 00 00-0022	Outside Wall Edge Protection And Transition Profiles For Tile (09 39)		
09 39 00 00-0023	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	2.59	
09 39 00 00-0024	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	2.75	
09 39 00 00-0025	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	2.99	
09 39 00 00-0026	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	3.24	
09 39 00 00-0027	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	2.92	
09 39 00 00-0028	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	3.23	
09 39 00 00-0029	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	3.53	
09 39 00 00-0030	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	4.07	

09 50 Ceilings (09)

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings (09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings (09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001	Fiberglass Panels (09 51 13)
09 51 13 00-0002	Fiberglass Acoustical Panels (09 51 13 00-0001)



		Finishes	09
		Ceilings	09 50
		Acoustical Ceilings	09 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0003	SF		2' x 2' x 5/8" Fiberglass Acoustical Ceiling Panel.....	1.71	0.19
			For Recessed Edge, Add	0.35	
			For Fire Rated Panels, Add	0.44	
			For Up To 50, Add	0.44	
			For >50 To 200, Add	0.26	
			For >200 To 500, Add	0.11	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.06	
			For >5,000, Deduct	-0.10	
			For Individual Room Quantities <495, Add	0.13	
			Note: For use with projects >500 SF		
			For Acid Resistive, Add	2.50	
			For Ceilings >10' High, Add	0.03	
09 51 13 00-0004	SF		2' x 4' x 5/8" Fiberglass Acoustical Ceiling Panel.....	1.70	0.19
			For Recessed Edge, Add	0.35	
			For Fire Rated Panels, Add	0.44	
			For Up To 50, Add	0.43	
			For >50 To 200, Add	0.26	
			For >200 To 500, Add	0.11	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.06	
			For >5,000, Deduct	-0.09	
			For Individual Room Quantities <495, Add	0.13	
			Note: For use with projects >500 SF		
			For Acid Resistive, Add	2.50	
			For Ceilings >10' High, Add	0.03	
09 51 13 00-0005	SF		2' x 2' x 3/4" Fiberglass Acoustical Ceiling Panel.....	4.28	0.19
			For Recessed Edge, Add	0.35	
			For Fire Rated Panels, Add	0.44	
			For Up To 50, Add	0.82	
			For >50 To 200, Add	0.52	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.20	
			For Individual Room Quantities <495, Add	0.26	
			Note: For use with projects >500 SF		
			For Acid Resistive, Add	2.50	
			For Ceilings >10' High, Add	0.03	
09 51 13 00-0006	SF		2' x 4' x 3/4" Fiberglass Acoustical Ceiling Panel.....	4.28	0.19
			For Recessed Edge, Add	0.35	
			For Fire Rated Panels, Add	0.44	
			For Up To 50, Add	0.82	
			For >50 To 200, Add	0.52	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.20	
			For Individual Room Quantities <495, Add	0.26	
			Note: For use with projects >500 SF		
			For Acid Resistive, Add	2.50	
			For Ceilings >10' High, Add	0.03	
09 51 13 00-0007	SF		2' x 2' x 1" Fiberglass Acoustical Ceiling Panel.....	4.61	0.23
			For Recessed Edge, Add	0.35	
			For Fire Rated Panels, Add	0.44	
			For Up To 50, Add	0.87	
			For >50 To 200, Add	0.55	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.21	
			For Individual Room Quantities <495, Add	0.28	
			Note: For use with projects >500 SF		
			For Acid Resistive, Add	2.50	
			For Ceilings >10' High, Add	0.03	
09 51 13 00-0008	SF		2' x 4' x 1" Fiberglass Acoustical Ceiling Panel.....	4.61	0.23
			For Recessed Edge, Add	0.35	
			For Fire Rated Panels, Add	0.44	
			For Up To 50, Add	0.87	
			For >50 To 200, Add	0.55	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.21	
			For Individual Room Quantities <495, Add	0.28	
			Note: For use with projects >500 SF		
			For Acid Resistive, Add	2.50	
			For Ceilings >10' High, Add	0.03	
09 51 13 00-0009			Glass Cloth Faced Fiberglass Panels (09 51 13 00-0001)		

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 51 13 00-0010	SF	3/4" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels	2.89	0.23
		For Fire Rated Panels, Add	0.46	
		For Up To 50, Add	0.66	
		For >50 To 200, Add	0.40	
		For >200 To 500, Add	0.17	
		For >2,500 To 4,000, Deduct	-0.06	
		For >4,000 To 5,000, Deduct	-0.10	
		For >5,000, Deduct	-0.15	
		For Individual Room Quantities <495, Add	0.20	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	2.50	
		For Ceilings >10' High, Add	0.04	
09 51 13 00-0011	SF	1" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels	3.19	0.23
		For Fire Rated Panels, Add	0.46	
		For Up To 50, Add	0.70	
		For >50 To 200, Add	0.43	
		For >200 To 500, Add	0.19	
		For >2,500 To 4,000, Deduct	-0.07	
		For >4,000 To 5,000, Deduct	-0.11	
		For >5,000, Deduct	-0.16	
		For Individual Room Quantities <495, Add	0.22	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	2.50	
		For Ceilings >10' High, Add	0.04	
09 51 13 00-0012	SF	1-1/2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels	4.50	0.38
		For Fire Rated Panels, Add	0.50	
		For Up To 50, Add	0.97	
		For >50 To 200, Add	0.60	
		For >200 To 500, Add	0.26	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.15	
		For >5,000, Deduct	-0.22	
		For Individual Room Quantities <495, Add	0.30	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	2.50	
		For Ceilings >10' High, Add	0.05	
09 51 13 00-0013	SF	2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels	5.90	0.38
		For Fire Rated Panels, Add	0.50	
		For Up To 50, Add	1.18	
		For >50 To 200, Add	0.74	
		For >200 To 500, Add	0.33	
		For >2,500 To 4,000, Deduct	-0.12	
		For >4,000 To 5,000, Deduct	-0.19	
		For >5,000, Deduct	-0.28	
		For Individual Room Quantities <495, Add	0.37	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	2.50	
		For Ceilings >10' High, Add	0.05	
09 51 13 00-0014		Mineral Fiber Panels <small>(09 51 13)</small>		
09 51 13 00-0015		Mineral Fiber Acoustical Ceiling Panels <small>(09 51 13 00-0014)</small>		
09 51 13 00-0016	SF	1' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels	2.10	0.23
		For Vinyl Faced Panels, Add	0.92	
		For Fire Rated Panels, Add	0.45	
		For Up To 50, Add	0.51	
		For >50 To 200, Add	0.31	
		For >200 To 500, Add	0.13	
		For >2,500 To 4,000, Deduct	-0.04	
		For >4,000 To 5,000, Deduct	-0.07	
		For >5,000, Deduct	-0.11	
		For Individual Room Quantities <495, Add	0.15	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	2.50	
		For Rough Texture, Add	0.20	
		For Integrated Wood Trim, Add	7.32	
		For Vertical Application, Add	0.22	
		For Single Angled Tegular Edge (Reveal), Add	0.77	
		For Ceilings >10' High, Add	0.04	
09 51 13 00-0017	SF	2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panels	1.29	0.23
		For Vinyl Faced Panels, Add	0.91	
		For Fire Rated Panels, Add	0.44	
		For Vinyl-Coated Aluminum Foil Surfaced, Add	1.26	
		For Up To 50, Add	0.37	
		For >50 To 200, Add	0.22	
		For >200 To 500, Add	0.09	
		For >2,500 To 4,000, Deduct	-0.03	
		For >4,000 To 5,000, Deduct	-0.05	
		For >5,000, Deduct	-0.08	
		For Individual Room Quantities <495, Add	0.11	
		Note: For use with projects >500 SF		
		For Acid Resistive, Add	2.50	
		For Rough Texture, Add	0.11	
		For Integrated Wood Trim, Add	7.30	
		For Vertical Application, Add	0.20	
		For Single Angled Tegular Edge (Reveal), Add	0.42	
		For Ceilings >10' High, Add	0.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0018 SF 2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	2.30	0.23
For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	0.46	
For Vinyl Faced Panels, Add	0.91	
For Fire Rated Panels, Add	0.44	
For Up To 50, Add	0.53	
For >50 To 200, Add	0.32	
For >200 To 500, Add	0.14	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.08	
For >5,000, Deduct	-0.12	
For Individual Room Quantities <495, Add	0.16	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	7.55	
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.23	
For Vertical Application, Add	0.20	
For Single Angled Tegular Edge (Reveal), Add	0.88	
For Scored Acoustical Tile, Add	0.25	
For Ceilings >10' High, Add	0.03	
09 51 13 00-0019 SF 2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.28	0.23
For Vinyl Faced Panels, Add	0.90	
For Fire Rated Panels, Add	0.44	
For Vinyl-Coated Aluminum Foil Surfaced, Add	1.26	
For Up To 50, Add	0.37	
For >50 To 200, Add	0.22	
For >200 To 500, Add	0.09	
For >2,500 To 4,000, Deduct	-0.03	
For >4,000 To 5,000, Deduct	-0.05	
For >5,000, Deduct	-0.08	
For Individual Room Quantities <495, Add	0.11	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	8.79	
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.11	
For Vertical Application, Add	0.20	
For Single Angled Tegular Edge (Reveal), Add	0.42	
For Ceilings >10' High, Add	0.03	
09 51 13 00-0020 SF 2' x 4' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	2.29	0.23
For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	0.46	
For Vinyl Faced Panels, Add	0.90	
For Fire Rated Panels, Add	0.44	
For Up To 50, Add	0.52	
For >50 To 200, Add	0.32	
For >200 To 500, Add	0.14	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.08	
For >5,000, Deduct	-0.12	
For Individual Room Quantities <495, Add	0.16	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	9.04	
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.23	
For Vertical Application, Add	0.20	
For Single Angled Tegular Edge (Reveal), Add	0.88	
For Scored Acoustical Tile, Add	0.25	
For Ceilings >10' High, Add	0.03	
09 51 13 00-0021 SF 2' x 5' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.27	0.23
For Vinyl Faced Panels, Add	0.90	
For Fire Rated Panels, Add	0.44	
For Up To 50, Add	0.36	
For >50 To 200, Add	0.21	
For >200 To 500, Add	0.09	
For >2,500 To 4,000, Deduct	-0.03	
For >4,000 To 5,000, Deduct	-0.05	
For >5,000, Deduct	-0.08	
For Individual Room Quantities <495, Add	0.11	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	9.03	
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.11	
For Vertical Application, Add	0.19	
For Single Angled Tegular Edge (Reveal), Add	0.42	
For Ceilings >10' High, Add	0.03	
09 51 13 00-0022 Wood Fiber Panels (09 51 13)		
09 51 13 00-0023 SF 2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	2.71	0.31
For Up To 50, Add	0.69	
For >50 To 200, Add	0.41	
For >200 To 500, Add	0.17	
For >2,500 To 4,000, Deduct	-0.06	
For >4,000 To 5,000, Deduct	-0.10	
For >5,000, Deduct	-0.15	
For Individual Room Quantities <495, Add	0.21	
Note: For use with projects >500 SF		
For Flameproofing, Add	0.05	
For Sculptured, 3 Dimensional, Add	0.10	
For Ceilings >10' High, Add	0.05	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 51 13 00-0024	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	2.63	0.27
		For Up To 50, Add	0.64	
		For >50 To 200, Add	0.39	
		For >200 To 500, Add	0.16	
		For >2,500 To 4,000, Deduct	-0.06	
		For >4,000 To 5,000, Deduct	-0.09	
		For >5,000, Deduct	-0.14	
		For Individual Room Quantities <495, Add	0.19	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	0.05	
		For Sculptured, 3 Dimensional, Add	0.10	
		For Ceilings >10' High, Add	0.05	
09 51 13 00-0025	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	3.60	0.31
		For Up To 50, Add	0.82	
		For >50 To 200, Add	0.50	
		For >200 To 500, Add	0.22	
		For >2,500 To 4,000, Deduct	-0.08	
		For >4,000 To 5,000, Deduct	-0.12	
		For >5,000, Deduct	-0.19	
		For Individual Room Quantities <495, Add	0.25	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	0.05	
		For Sculptured, 3 Dimensional, Add	0.10	
		For Ceilings >10' High, Add	0.05	
09 51 13 00-0026	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	3.52	0.27
		For Up To 50, Add	0.78	
		For >50 To 200, Add	0.48	
		For >200 To 500, Add	0.21	
		For >2,500 To 4,000, Deduct	-0.07	
		For >4,000 To 5,000, Deduct	-0.12	
		For >5,000, Deduct	-0.18	
		For Individual Room Quantities <495, Add	0.24	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	0.05	
		For Sculptured, 3 Dimensional, Add	0.10	
		For Ceilings >10' High, Add	0.05	
09 51 13 00-0027	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	4.47	0.31
		For Up To 50, Add	0.95	
		For >50 To 200, Add	0.59	
		For >200 To 500, Add	0.26	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.15	
		For >5,000, Deduct	-0.22	
		For Individual Room Quantities <495, Add	0.29	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	0.05	
		For Sculptured, 3 Dimensional, Add	0.10	
		For Ceilings >10' High, Add	0.05	
09 51 13 00-0028	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	4.39	0.27
		For Up To 50, Add	0.91	
		For >50 To 200, Add	0.56	
		For >200 To 500, Add	0.25	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.14	
		For >5,000, Deduct	-0.21	
		For Individual Room Quantities <495, Add	0.28	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	0.05	
		For Sculptured, 3 Dimensional, Add	0.10	
		For Ceilings >10' High, Add	0.05	
09 51 13 00-0029	SF	2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	3.23	0.31
		For Up To 50, Add	0.76	
		For >50 To 200, Add	0.46	
		For >200 To 500, Add	0.20	
		For >2,500 To 4,000, Deduct	-0.07	
		For >4,000 To 5,000, Deduct	-0.11	
		For >5,000, Deduct	-0.17	
		For Individual Room Quantities <495, Add	0.23	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	0.05	
		For Sculptured, 3 Dimensional, Add	0.10	
		For Ceilings >10' High, Add	0.05	
09 51 13 00-0030	SF	2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	3.15	0.27
		For Up To 50, Add	0.72	
		For >50 To 200, Add	0.44	
		For >200 To 500, Add	0.19	
		For >2,500 To 4,000, Deduct	-0.07	
		For >4,000 To 5,000, Deduct	-0.11	
		For >5,000, Deduct	-0.16	
		For Individual Room Quantities <495, Add	0.22	
		Note: For use with projects >500 SF		
		For Flameproofing, Add	0.05	
		For Sculptured, 3 Dimensional, Add	0.10	
		For Ceilings >10' High, Add	0.05	
09 51 13 00-0031		Removal And Reinstallation Of Acoustical Ceiling Panels (09 51 13)		
		Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0032	SF	Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'	0.57	
		For Ceilings >10' High, Add	0.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 51 13 00-0033	SF		Removal And Reinstallation Of Acoustical Panels Only	0.37	
			<i>For Ceilings >10' High, Add</i>	0.03	
09 51 13 00-0034	SF		Removal And Reinstallation Of Grid System Only	0.34	
			<i>For Ceilings >10' High, Add</i>	0.03	

09 51 23 Acoustical Tile Ceilings (09 51)

Note: Includes fastening with staples and/or adhesive.

09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings (09 51 23)

09 51 23 00-0002	SF	12" x 12" x 1/2"	Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	2.74	0.43
			<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
			<i>For Up To 50, Add</i>	0.80	
			<i>For >50 To 200, Add</i>	0.47	
			<i>For >200 To 500, Add</i>	0.19	
			<i>For >2,500, Deduct</i>	-0.14	
			<i>For Ceilings >10' High, Add</i>	0.07	
09 51 23 00-0003	SF	12" x 12" x 5/8"	Spline Mineral Fiber Acoustical Ceiling Tile.....	3.40	0.43
			<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
			<i>For Up To 50, Add</i>	0.90	
			<i>For >50 To 200, Add</i>	0.53	
			<i>For >200 To 500, Add</i>	0.22	
			<i>For >2,500, Deduct</i>	-0.17	
			<i>For Placing Tiles In Suspended Ceiling System, Deduct</i>	-0.27	
			<i>For Ceilings >10' High, Add</i>	0.07	
09 51 23 00-0004	SF	12" x 12" x 3/4"	Spline Mineral Fiber Acoustical Ceiling Tile.....	3.93	0.43
			<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
			<i>For Up To 50, Add</i>	0.98	
			<i>For >50 To 200, Add</i>	0.59	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,500, Deduct</i>	-0.20	
			<i>For Placing Tiles In Suspended Ceiling System, Deduct</i>	-0.27	
			<i>For Ceilings >10' High, Add</i>	0.07	

09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings (09 51 23)

09 51 23 00-0006	SF	12" x 12" x 1/2"	Staple Flange Wood Fiber Acoustical Ceiling Tile	2.46	0.43
			<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
			<i>For Up To 50, Add</i>	0.76	
			<i>For >50 To 200, Add</i>	0.44	
			<i>For >200 To 500, Add</i>	0.17	
			<i>For >2,500, Deduct</i>	-0.12	
			<i>For Ceilings >10' High, Add</i>	0.07	

09 51 33 Acoustical Metal Pan Ceilings (09 51)

09 51 33 13 Acoustical Snap-in Metal Pan Ceilings (09 51 33)

09 51 33 13-0001 Metal Pan Units, 24 GA Steel (09 51 33 13)

Note: Excludes pads.

09 51 33 13-0002	SF	12" x 12" - 24 Gauge,	Acoustical Metal Pan Units	11.17	0.51
			<i>For Up To 50, Add</i>	2.12	
			<i>For >50 To 200, Add</i>	1.34	
			<i>For >200 To 500, Add</i>	0.61	
			<i>For >2,500, Deduct</i>	-0.56	
			<i>For Ceilings >10' High, Add</i>	0.08	
09 51 33 13-0003	SF	12" x 24" - 24 Gauge,	Acoustical Metal Pan Units	11.90	0.51
			<i>For Up To 50, Add</i>	2.23	
			<i>For >50 To 200, Add</i>	1.41	
			<i>For >200 To 500, Add</i>	0.65	
			<i>For >2,500, Deduct</i>	-0.60	
			<i>For Ceilings >10' High, Add</i>	0.08	
09 51 33 13-0004	SF	12" x 12" - 0.025" Thick,	Acoustical Aluminum Pan	8.66	0.51
			<i>For Up To 50, Add</i>	1.74	
			<i>For >50 To 200, Add</i>	1.09	
			<i>For >200 To 500, Add</i>	0.49	
			<i>For >2,500, Deduct</i>	-0.43	
			<i>For Ceilings >10' High, Add</i>	0.08	
09 51 33 13-0005	SF	12" x 24" - 0.025" Thick,	Acoustical Aluminum Pan	9.45	0.51
			<i>For Up To 50, Add</i>	1.86	
			<i>For >50 To 200, Add</i>	1.17	
			<i>For >200 To 500, Add</i>	0.53	
			<i>For >2,500, Deduct</i>	-0.47	
			<i>For Ceilings >10' High, Add</i>	0.08	
09 51 33 13-0006	SF	12" x 12" - 0.025" Thick,	Acoustical Anodized Aluminum Pan Units.....	13.23	0.51
			<i>For Up To 50, Add</i>	2.43	
			<i>For >50 To 200, Add</i>	1.55	
			<i>For >200 To 500, Add</i>	0.72	
			<i>For >2,500, Deduct</i>	-0.66	
			<i>For Ceilings >10' High, Add</i>	0.08	
09 51 33 13-0007	SF	12" x 24" - 0.025" Thick,	Acoustical Anodized Aluminum Pan Units.....	9.25	0.51
			<i>For Up To 50, Add</i>	1.83	
			<i>For >50 To 200, Add</i>	1.15	
			<i>For >200 To 500, Add</i>	0.52	
			<i>For >2,500, Deduct</i>	-0.46	
			<i>For Ceilings >10' High, Add</i>	0.08	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 33 13-0008	SF	12" x 12" - 24 Gauge, Stainless Steel Acoustical Pan Units		35.52	0.51
		<i>For Up To 50, Add</i>		5.77	
		<i>For >50 To 200, Add</i>		3.77	
		<i>For >200 To 500, Add</i>		1.83	
		<i>For >2,500, Deduct</i>		-1.78	
		<i>For Ceilings >10' High, Add</i>		0.08	
09 51 33 13-0009	SF	12" x 24" - 24 Gauge, Stainless Steel Acoustical Pan Units		19.45	0.51
		<i>For Up To 50, Add</i>		3.36	
		<i>For >50 To 200, Add</i>		2.17	
		<i>For >200 To 500, Add</i>		1.03	
		<i>For >2,500, Deduct</i>		-0.97	
		<i>For Ceilings >10' High, Add</i>		0.08	
09 53 Acoustical Ceiling Suspension Assemblies <small>(09 50)</small>					
09 53 23 Metal Acoustical Ceiling Suspension Assemblies <small>(09 53)</small>					
09 53 23 00-0001 Ceiling Suspension Systems <small>(09 53 23)</small>					
Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from structural steel, wood or metal deck, wood members or concrete deck above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.					
09 53 23 00-0002	SF	12" x 12" Ceiling Tile Size, Concealed 15/16" T Bar Ceiling Suspension System		2.52	0.19
		Note: Excludes ceiling tile.			
		<i>For Vertical Application, Add</i>		1.04	
		<i>For Individual Room Quantities <495, Add</i>		0.25	
		Note: For use with projects >500 SF			
		<i>For Compression Struts With Splay Wires, Add</i>		0.31	
		<i>For Up To 50, Add</i>		0.85	
		<i>For >50 To 200, Add</i>		0.49	
		<i>For >200 To 500, Add</i>		0.19	
		<i>For >2,500 To 4,000, Deduct</i>		-0.06	
		<i>For >4,000 To 5,000, Deduct</i>		-0.10	
		<i>For >5,000, Deduct</i>		-0.14	
		<i>For Ceilings >10' High, Add</i>		0.09	
09 53 23 00-0003	SF	1' x 2' Grid, 15/16" T Bar Ceiling Suspension System		1.98	0.19
		<i>For UL Listed (Fire Guard), Add</i>		0.14	
		<i>For 1-1/2" Wide Faced Grid, Add</i>		0.27	
		<i>For Vertical Application, Add</i>		0.90	
		<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>		2.50	
		<i>For 9/16" Narrow Faced Grid, Add</i>		0.24	
		<i>For Individual Room Quantities <495, Add</i>		0.20	
		Note: For use with projects >500 SF			
		<i>For Aluminum T-Bar System, Add</i>		0.43	
		<i>For Compression Struts With Splay Wires, Add</i>		0.24	
		<i>For Up To 50, Add</i>		0.71	
		<i>For >50 To 200, Add</i>		0.40	
		<i>For >200 To 500, Add</i>		0.15	
		<i>For >2,500 To 4,000, Deduct</i>		-0.04	
		<i>For >4,000 To 5,000, Deduct</i>		-0.08	
		<i>For >5,000, Deduct</i>		-0.12	
		<i>For Ceilings >10' High, Add</i>		0.08	
09 53 23 00-0004	SF	2' x 2' Grid, 15/16" T Bar Ceiling Suspension System		1.56	0.19
		<i>For UL Listed (Fire Guard), Add</i>		0.10	
		<i>For 1-1/2" Wide Faced Grid, Add</i>		0.19	
		<i>For Vertical Application, Add</i>		0.78	
		<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>		2.50	
		<i>For 9/16" Narrow Faced Grid, Add</i>		0.17	
		<i>For Individual Room Quantities <495, Add</i>		0.17	
		Note: For use with projects >500 SF			
		<i>For Aluminum T-Bar System, Add</i>		0.30	
		<i>For Compression Struts With Splay Wires, Add</i>		0.18	
		<i>For Up To 50, Add</i>		0.59	
		<i>For >50 To 200, Add</i>		0.33	
		<i>For >200 To 500, Add</i>		0.12	
		<i>For >2,500 To 4,000, Deduct</i>		-0.04	
		<i>For >4,000 To 5,000, Deduct</i>		-0.06	
		<i>For >5,000, Deduct</i>		-0.09	
		<i>For Ceilings >10' High, Add</i>		0.07	
		<i>For Concealed Spline Grid, Add</i>		0.26	
09 53 23 00-0005	SF	2' x 4' Grid, 15/16" T Bar Ceiling Suspension System		1.31	0.19
		<i>For UL Listed (Fire Guard), Add</i>		0.08	
		<i>For 1-1/2" Wide Faced Grid, Add</i>		0.15	
		<i>For Vertical Application, Add</i>		0.78	
		<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>		2.50	
		<i>For 9/16" Narrow Faced Grid, Add</i>		0.13	
		<i>For Individual Room Quantities <495, Add</i>		0.14	
		Note: For use with projects >500 SF			
		<i>For Aluminum T-Bar System, Add</i>		0.24	
		<i>For Compression Struts With Splay Wires, Add</i>		0.15	
		<i>For Up To 50, Add</i>		0.51	
		<i>For >50 To 200, Add</i>		0.29	
		<i>For >200 To 500, Add</i>		0.10	
		<i>For >2,500 To 4,000, Deduct</i>		-0.03	
		<i>For >4,000 To 5,000, Deduct</i>		-0.05	
		<i>For >5,000, Deduct</i>		-0.08	
		<i>For Ceilings >10' High, Add</i>		0.06	
		<i>For Concealed Spline Grid, Add</i>		0.21	



Finishes	09	2
Ceilings	09 50	
Acoustical Ceiling Suspension Assemblies	09 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0006 SF 2' x 5' Grid, 15/16" T Bar Ceiling Suspension System	1.30	0.19
For UL Listed (Fire Guard), Add	0.09	
For 1-1/2" Wide Faced Grid, Add	0.17	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.15	
For Individual Room Quantities <495, Add	0.14	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.27	
For Compression Struts With Splay Wires, Add	0.15	
For Up To 50, Add	0.48	
For >50 To 200, Add	0.27	
For >200 To 500, Add	0.10	
For >2,500 To 4,000, Deduct	-0.03	
For >4,000 To 5,000, Deduct	-0.05	
For >5,000, Deduct	-0.08	
For Ceilings >10' High, Add	0.05	
09 53 23 00-0007 SF 2', 15/16" Suspended Ceiling Cross Tee	0.36	0.11
Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
For 1-1/2" Wide Faced Grid, Add	0.04	
For Vertical Application, Add	0.22	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.04	
For Individual Room Quantities <495, Add	0.04	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.06	
For Up To 50, Add	0.14	
For >50 To 200, Add	0.08	
For >200 To 500, Add	0.03	
For >2,500 To 4,000, Deduct	-0.01	
For >4,000 To 5,000, Deduct	-0.02	
For >5,000, Deduct	-0.02	
For Ceilings >10' High, Add	0.02	
09 53 23 00-0008 Ceiling Suspension System Accessories (09 53 23)		
09 53 23 00-0009 LF For Pencil Rod Support With Accessories And Attachments (Seismic Control Or Where Required).....	0.63	
09 53 23 00-0010 LF 1" x 1/8" Flat Bar Bracing For Suspended Ceiling	1.24	0.55
For 304 Stainless Steel, Add	1.20	
For 316 Stainless Steel, Add	1.34	
For Aluminum, Add	0.08	
For Galvanized Steel, Add	0.26	
09 53 23 00-0011 LF 1" x 3/16" Flat Bar Bracing For Suspended Ceiling	1.77	0.59
For Galvanized Steel, Add	0.40	
For 304 Stainless Steel, Add	1.82	
For 316 Stainless Steel, Add	2.05	
For Aluminum, Add	0.12	
For Galvanized Steel, Add	0.40	
09 53 23 00-0012 LF 1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	2.57	0.62
For Galvanized Steel, Add	0.79	
For 304 Stainless Steel, Add	3.65	
For 316 Stainless Steel, Add	4.10	
For Aluminum, Add	0.23	
For Galvanized Steel, Add	0.79	
09 54 Specialty Ceilings (09 50)		
09 54 23 Linear Metal Ceilings (09 54)		
09 54 23 00-0001 Linear Ceiling Systems (09 54 23)		
09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001)		
Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.		
09 54 23 00-0003 SF 4" Panel Width, 0.032" Aluminum, Linear Ceiling System	10.38	0.82
For Up To 50, Add	2.35	
For >50 To 200, Add	1.43	
For >200 To 500, Add	0.62	
For >2,500, Deduct	-0.52	
For Ceilings >10' High, Add	0.15	
For Linear Ceiling Systems Without Filler Strips, Deduct	-2.07	
For Curved Ceilings, Add	0.62	
09 54 23 00-0004 SF 8" Panel Width, 0.032" Aluminum, Linear Ceiling System	8.18	0.82
For Up To 50, Add	2.00	
For >50 To 200, Add	1.20	
For >200 To 500, Add	0.51	
For >2,500, Deduct	-0.41	
For Ceilings >10' High, Add	0.14	
For Linear Ceiling Systems Without Filler Strips, Deduct	-1.04	
For Curved Ceilings, Add	0.61	
09 54 23 00-0005 SF 12" Panel Width, 0.032" Aluminum, Linear Ceiling System	7.34	0.82
For Up To 50, Add	1.85	
For >50 To 200, Add	1.11	
For >200 To 500, Add	0.46	
For >2,500, Deduct	-0.37	
For Ceilings >10' High, Add	0.14	
For Linear Ceiling Systems Without Filler Strips, Deduct	-0.68	
For Curved Ceilings, Add	0.60	

09 Finishes**09 50 Ceilings****09 54 Specialty Ceilings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 54 23 00-0006 Tin Ceilings (09 54 23)			
09 54 23 00-0007	SF 2' x 2' Tin Ceiling Embossed Panels.....	10.92	1.27
	For Up To 50, Add	2.25	
	For >50 To 200, Add	1.40	
	For >200 To 500, Add	0.62	
	For >2,500, Deduct	-0.55	
	For Ceilings >10' High, Add	0.11	
09 54 23 00-0008	SF 12" x 12" Tin Ceiling Embossed Plates.....	16.57	0.82
	For Up To 50, Add	3.13	
	For >50 To 200, Add	1.98	
	For >200 To 500, Add	0.91	
	For >2,500, Deduct	-0.83	
	For Ceilings >10' High, Add	0.12	
09 54 23 00-0009	SF 12" x 24" Tin Ceiling Embossed Plates.....	11.81	0.82
	For Up To 50, Add	2.42	
	For >50 To 200, Add	1.50	
	For >200 To 500, Add	0.67	
	For >2,500, Deduct	-0.59	
	For Ceilings >10' High, Add	0.12	
09 54 23 00-0010	SF 24" x 24" Tin Ceiling Embossed Plates.....	10.85	0.82
	For Up To 50, Add	2.22	
	For >50 To 200, Add	1.38	
	For >200 To 500, Add	0.62	
	For >2,500, Deduct	-0.54	
	For Ceilings >10' High, Add	0.11	
09 54 23 00-0011	SF 24" x 48" Tin Ceiling Embossed Plates.....	9.46	0.61
	For Up To 50, Add	1.94	
	For >50 To 200, Add	1.21	
	For >200 To 500, Add	0.54	
	For >2,500, Deduct	-0.47	
	For Ceilings >10' High, Add	0.10	
09 54 23 00-0012	LF 3" Or 4" Wide Embossed Molding.....	6.53	1.23
09 54 23 00-0013	LF 6" Wide Embossed Molding.....	8.37	1.43
09 54 23 00-0014	LF 12" Wide Embossed Molding.....	11.38	1.67
09 54 23 00-0015	EA 3", 4" Or 6" Wide Embossed Cross, Tee Or Ell.....	18.47	3.89
09 54 23 00-0016	EA 12" Wide Embossed Cross, Tee Or Ell.....	26.52	4.55

09 57 Special Function Ceilings (09 50)

09 57 00 00-0001 High Impact Ceiling Systems (09 57)			
09 57 00 00-0002	SF Polyvinyl Chloride Face High Impact Ceiling Panels.....	3.86	0.38
	For Ceilings >10' High, Add	0.05	
09 57 00 00-0003	SF High Impact Clips.....	1.33	0.31
	For Ceilings >10' High, Add	0.04	

09 60 Flooring (09)**09 61 Flooring Treatment (09 60)****09 61 13 Slip-Resistant Flooring Treatment (09 61)**

09 61 13 00-0001 Anti-Slip Tape (09 61 13)			
	Note: Grit sandpaper surface with adhesive back.		
09 61 13 00-0002	LF 1" Anti-Slip Tape.....	1.20	0.78
09 61 13 00-0003	LF 2" Anti-Slip Tape.....	1.60	0.85
09 61 13 00-0004	LF 3" Anti-Slip Tape.....	2.00	0.94
09 61 13 00-0005	LF 4" Anti-Slip Tape.....	2.36	1.03
09 61 13 00-0006	LF 6" Anti-Slip Tape.....	3.13	1.13
09 61 13 00-0007	LF 12" Anti-Slip Tape.....	5.68	1.70
09 61 13 00-0008	LF 24" Anti-Slip Tape.....	7.95	2.56

09 63 Masonry Flooring (09 60)**09 63 13 Brick Flooring (09 63)**

09 63 13 00-0001 Clay Bricks (09 63 13)			
09 63 13 00-0002	SF 2-1/4" Thick Clay Brick Floor.....	15.70	3.24
	For Basket Weave Pattern, Add	0.69	
	For Herringbone Pattern, Add	0.92	
	For Epoxy Joints, Add	2.88	
09 63 13 00-0003	SF 3" Thick Clay Brick Floor.....	18.45	3.24
	For Basket Weave Pattern, Add	0.69	
	For Herringbone Pattern, Add	0.92	
	For Epoxy Joints, Add	2.88	
09 63 13 00-0004	SF 1/2" Thick Unglazed Clay Brick Floor.....	7.95	3.24
	For Basket Weave Pattern, Add	0.69	
	For Herringbone Pattern, Add	0.92	
	For Epoxy Joints, Add	2.88	
09 63 13 00-0005	SF 1/2" Thick Glazed Clay Brick Floor.....	10.45	3.24
	For Basket Weave Pattern, Add	0.69	
	For Herringbone Pattern, Add	0.92	
	For Epoxy Joints, Add	2.88	



		Finishes	09
		Flooring	09 60
		Masonry Flooring	09 63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 63 13 00-0006	SF		3/4" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	9.07 0.69 0.92 2.88	3.24
09 63 13 00-0007	SF		3/4" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	12.39 0.69 0.92 2.88	3.24
09 63 13 00-0008	SF		15/16" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	10.15 0.69 0.92 2.88	3.24
09 63 13 00-0009	SF		15/16" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	14.34 0.69 0.92 2.88	3.24
09 63 43 Composition Stone Flooring (09 63)					
09 63 43 00-0001			Cupric Oxychloride Cement, Seamless Flooring System (09 63 43) Note: Chemical and slip resistant. OSHA and USDA approved.		
09 63 43 00-0002	SF		3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	8.29	1.89
09 64 Wood Flooring (09 60)					
09 64 13 Wood Flooring Underlayment (09 64)					
09 64 13 00-0001			Wood Flooring Underlayment (09 64 13)		
09 64 13 00-0002	SF		Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.19	
09 64 13 00-0003	SF		Heavy Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.19	
09 64 13 00-0004	SF		30 LB, Waxed Paper, Wood Flooring Underlayment	0.21	
09 64 13 00-0005	SF		15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment.....	0.22	
09 64 13 00-0006	SF		6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.22	
09 64 13 00-0007	SF		8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.24	
09 64 13 00-0008	SF		1/8" Thick, Natural Cork, Wood Flooring Underlayment	1.17	
09 64 13 00-0009	SF		1/4" Thick, Natural Cork, Wood Flooring Underlayment	1.23	
09 64 13 00-0010	SF		3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.40	
09 64 13 00-0011	SF		2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	0.52	
09 64 13 00-0012	SF		4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	0.57	
09 64 13 00-0013	SF		2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	0.71	
09 64 13 00-0014	SF		1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	0.72	
09 64 23 Wood Parquet Flooring (09 64)					
Note: All wood parquet flooring is prefinished at factory.					
09 64 23 00-0001			Hardwood Parquet Flooring (09 64 23)		
09 64 23 00-0002	SF		Oak Parquet Flooring 5/16" Thick..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 100, Add</i> <i>For >100 To 300, Add</i>	6.13 2.01 1.10 0.55 0.27	0.38
09 64 29 Wood Strip And Plank Flooring (09 64)					
Note: All wood strip flooring is unfinished, tongue and groove.					
09 64 29 00-0001			Unfinished Fir, Wood Strip Flooring (09 64 29)		
09 64 29 00-0002	SF		3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	6.95	0.38
			<i>For Factory Finish, Add</i> <i>For Random Width Floor, Add</i> <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 100, Add</i> <i>For >100 To 300, Add</i>	0.52 1.65 1.83 1.05 0.52 0.26	
09 64 29 00-0003			Unfinished Oak, Wood Strip Flooring (09 64 29)		
09 64 29 00-0004			Unfinished White Oak, Wood Strip Flooring (09 64 29 00-0003)		
09 64 29 00-0005	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring.....	5.01	0.38
			<i>For Factory Finish, Add</i> <i>For Random Width Floor, Add</i> <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 100, Add</i> <i>For >100 To 300, Add</i>	0.27 1.14 1.78 0.96 0.48 0.24	
09 64 29 00-0006	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring.....	5.36	0.38
			<i>For Factory Finish, Add</i> <i>For Random Width Floor, Add</i> <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 100, Add</i> <i>For >100 To 300, Add</i>	0.31 1.23 1.83 0.99 0.50 0.25	

09 Finishes

09 60 Flooring

09 64 Wood Flooring



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	5.89		0.38
		<i>For Factory Finish, Add</i>	0.36		
		<i>For Random Width Floor, Add</i>	1.36		
		<i>For Up To 20, Add</i>	1.91		
		<i>For >20 To 50, Add</i>	1.05		
		<i>For >50 To 100, Add</i>	0.52		
		<i>For >100 To 300, Add</i>	0.26		
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring.....	4.58		0.38
		<i>For Factory Finish, Add</i>	0.28		
		<i>For Random Width Floor, Add</i>	1.06		
		<i>For Up To 20, Add</i>	1.47		
		<i>For >20 To 50, Add</i>	0.81		
		<i>For >50 To 100, Add</i>	0.40		
		<i>For >100 To 300, Add</i>	0.20		
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring.....	4.87		0.38
		<i>For Factory Finish, Add</i>	0.31		
		<i>For Random Width Floor, Add</i>	1.13		
		<i>For Up To 20, Add</i>	1.52		
		<i>For >20 To 50, Add</i>	0.84		
		<i>For >50 To 100, Add</i>	0.42		
		<i>For >100 To 300, Add</i>	0.21		
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	5.41		0.38
		<i>For Factory Finish, Add</i>	0.37		
		<i>For Random Width Floor, Add</i>	1.27		
		<i>For Up To 20, Add</i>	1.60		
		<i>For >20 To 50, Add</i>	0.89		
		<i>For >50 To 100, Add</i>	0.45		
		<i>For >100 To 300, Add</i>	0.22		
09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring <small>(09 64 29 00-0003)</small>					
09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	5.06		0.38
		<i>For Factory Finish, Add</i>	0.28		
		<i>For Random Width Floor, Add</i>	1.15		
		<i>For Up To 20, Add</i>	1.79		
		<i>For >20 To 50, Add</i>	0.96		
		<i>For >50 To 100, Add</i>	0.48		
		<i>For >100 To 300, Add</i>	0.24		
09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	5.42		0.38
		<i>For Factory Finish, Add</i>	0.31		
		<i>For Random Width Floor, Add</i>	1.24		
		<i>For Up To 20, Add</i>	1.84		
		<i>For >20 To 50, Add</i>	1.00		
		<i>For >50 To 100, Add</i>	0.50		
		<i>For >100 To 300, Add</i>	0.25		
09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring.....	5.95		0.38
		<i>For Factory Finish, Add</i>	0.37		
		<i>For Random Width Floor, Add</i>	1.37		
		<i>For Up To 20, Add</i>	1.92		
		<i>For >20 To 50, Add</i>	1.05		
		<i>For >50 To 100, Add</i>	0.53		
		<i>For >100 To 300, Add</i>	0.26		
09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	4.64		0.38
		<i>For Factory Finish, Add</i>	0.29		
		<i>For Random Width Floor, Add</i>	1.07		
		<i>For Up To 20, Add</i>	1.48		
		<i>For >20 To 50, Add</i>	0.81		
		<i>For >50 To 100, Add</i>	0.41		
		<i>For >100 To 300, Add</i>	0.20		
09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	5.00		0.38
		<i>For Factory Finish, Add</i>	0.33		
		<i>For Random Width Floor, Add</i>	1.16		
		<i>For Up To 20, Add</i>	1.54		
		<i>For >20 To 50, Add</i>	0.85		
		<i>For >50 To 100, Add</i>	0.43		
		<i>For >100 To 300, Add</i>	0.21		
09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring.....	5.47		0.38
		<i>For Factory Finish, Add</i>	0.37		
		<i>For Random Width Floor, Add</i>	1.28		
		<i>For Up To 20, Add</i>	1.61		
		<i>For >20 To 50, Add</i>	0.90		
		<i>For >50 To 100, Add</i>	0.45		
		<i>For >100 To 300, Add</i>	0.22		
09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring <small>(09 64 29)</small>					
09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring <small>(09 64 29 00-0018)</small>					
09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	6.36		0.38
		<i>For Factory Finish, Add</i>	0.41		
		<i>For Random Width Floor, Add</i>	1.48		
		<i>For Up To 20, Add</i>	1.98		
		<i>For >20 To 50, Add</i>	1.09		
		<i>For >50 To 100, Add</i>	0.55		
		<i>For >100 To 300, Add</i>	0.27		



	Finishes	09
	Flooring	09 60
	Wood Flooring	09 64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0021	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	5.77	0.38
			For Factory Finish, Add	0.35	
			For Random Width Floor, Add	1.33	
			For Up To 20, Add	1.90	
			For >20 To 50, Add	1.04	
			For >50 To 100, Add	0.52	
			For >100 To 300, Add	0.26	
09 64 29 00-0022	SF		3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	6.06	0.38
			For Factory Finish, Add	0.43	
			For Random Width Floor, Add	1.43	
			For Up To 20, Add	1.70	
			For >20 To 50, Add	0.96	
			For >50 To 100, Add	0.48	
			For >100 To 300, Add	0.24	
09 64 29 00-0023	SF		3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	5.47	0.38
			For Factory Finish, Add	0.37	
			For Random Width Floor, Add	1.28	
			For Up To 20, Add	1.61	
			For >20 To 50, Add	0.90	
			For >50 To 100, Add	0.45	
			For >100 To 300, Add	0.22	
09 64 29 00-0024			33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		
09 64 29 00-0025	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	7.64	0.38
			For Factory Finish, Add	0.54	
			For Random Width Floor, Add	1.80	
			For Up To 20, Add	2.18	
			For >20 To 50, Add	1.22	
			For >50 To 100, Add	0.61	
			For >100 To 300, Add	0.31	
09 64 29 00-0026	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	6.85	0.38
			For Factory Finish, Add	0.46	
			For Random Width Floor, Add	1.60	
			For Up To 20, Add	2.06	
			For >20 To 50, Add	1.14	
			For >50 To 100, Add	0.57	
			For >100 To 300, Add	0.29	
09 64 29 00-0027	SF		3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	7.41	0.38
			For Factory Finish, Add	0.57	
			For Random Width Floor, Add	1.77	
			For Up To 20, Add	1.90	
			For >20 To 50, Add	1.09	
			For >50 To 100, Add	0.55	
			For >100 To 300, Add	0.27	
09 64 29 00-0028	SF		3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	6.62	0.38
			For Factory Finish, Add	0.49	
			For Random Width Floor, Add	1.57	
			For Up To 20, Add	1.78	
			For >20 To 50, Add	1.01	
			For >50 To 100, Add	0.51	
			For >100 To 300, Add	0.25	
09 64 29 00-0029			Prefinished Engineered Wood Flooring (09 64 29)		
			Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030	SF		1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	8.48	0.38
			For Up To 20, Add	1.96	
			For >20 To 50, Add	1.15	
			For >50 To 100, Add	0.58	
			For >100 To 300, Add	0.29	
09 64 29 00-0031	SF		1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	8.48	0.38
			For Up To 20, Add	1.96	
			For >20 To 50, Add	1.15	
			For >50 To 100, Add	0.58	
			For >100 To 300, Add	0.29	
09 64 29 00-0032	SF		1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	8.17	0.38
			For Up To 20, Add	1.91	
			For >20 To 50, Add	1.12	
			For >50 To 100, Add	0.56	
			For >100 To 300, Add	0.28	
09 64 29 00-0033	SF		1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	8.40	0.38
			For Up To 20, Add	1.94	
			For >20 To 50, Add	1.14	
			For >50 To 100, Add	0.57	
			For >100 To 300, Add	0.29	
09 64 66			Wood Athletic Flooring (09 64)		
			Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.		
09 64 66 00-0001			Wood Gym/Stage/Dance Floors (09 64 66)		
			Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.		

09 Finishes**09 60 Flooring****09 64 Wood Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 66 00-0002	SF		25/32" Maple Wood Gym/Stage/Dance Floor.....	7.39	1.94
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0003	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion).....	10.05	2.52
			Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0004	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok).....	10.86	2.52
			Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0005	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex).....	12.73	2.52
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0006	SF		Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus).....	11.91	2.52
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0007	SF		Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock).....	12.97	2.52
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	

09 65 Resilient Flooring (09 60)

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

09 65 13 Resilient Base And Accessories (09 65)**09 65 13 13 Resilient Base** (09 65 13)

09 65 13 13-0001			Vinyl Plastic Wall Base (09 65 13 13) Note: Includes inside and outside premolded corners.		
09 65 13 13-0002	LF		4" High, 1/8" Vinyl Plastic Base, All Colors	1.76	0.48
			<i>For >240 To 960, Deduct</i>	-0.13	
			<i>For >960, Deduct</i>	-0.19	
09 65 13 13-0003	LF		6" High, 1/8" Vinyl Plastic Base, All Colors	2.50	0.59
			<i>For >240 To 960, Deduct</i>	-0.19	
			<i>For >960, Deduct</i>	-0.29	
09 65 13 13-0004			1/8" Thick Rubber Wall Base (09 65 13 13)		
09 65 13 13-0005	LF		4" High, 1/8" Rubber Base, Group 1 Black, Russet And Umber	1.73	0.59
09 65 13 13-0006	LF		6" High, 1/8" Rubber Base, Group 1 Black, Russet And Umber	1.93	0.59
09 65 13 13-0007	LF		4" High, 1/8" Rubber Base, Group 2 All (Except White)	1.81	0.59
09 65 13 13-0008	LF		6" High, 1/8" Rubber Base, Group 2 All (Except White)	2.07	0.59
09 65 13 13-0009	LF		4" High, 1/8" Rubber Base, Group 3 White Only	1.68	0.59
09 65 13 13-0010	LF		6" High, 1/8" Rubber Base, Group 3 White Only	1.95	0.59
09 65 13 13-0011	EA		4" High, 1/8" Rubber Corner	2.29	0.59
09 65 13 13-0012	EA		6" High, 1/8" Rubber Corner	2.58	0.59

09 65 13 23 Resilient Stair Treads And Risers (09 65 13)

Note: All treads have integral nosing. Abrasive strip modifiers include either 1 or 2 strips running the length of the tread. All colors.

09 65 13 23-0001			Rubber Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0002			Raised Disc Or Other Patterned Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0003	LF		3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	11.52	0.78
			Note: Raised disc or other pattern.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	
09 65 13 23-0004	LF		1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	12.36	0.83
			Note: Raised disc or other pattern.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	
09 65 13 23-0005	LF		5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	15.49	0.89
			Note: Raised disc or other pattern.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	
09 65 13 23-0006			Smooth Surface Rubber Stair Tread (09 65 13 23-0001)		



		Finishes	09
		Flooring	09 60
		Resilient Flooring	09 65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0007	LF		3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface. <i>For Abrasive Strip, Add</i> <i>For Photo Luminescent Abrasive Strip, Add</i>	10.68 2.75 3.75	0.78
09 65 13 23-0008	LF		1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface. <i>For Abrasive Strip, Add</i> <i>For Photo Luminescent Abrasive Strip, Add</i>	11.37 2.75 3.75	0.83
09 65 13 23-0009	LF		5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface. <i>For Abrasive Strip, Add</i> <i>For Photo Luminescent Abrasive Strip, Add</i>	14.25 2.75 3.75	0.90
09 65 13 23-0010			Smooth Surface Rubber Stair Riser (09 65 13 23-0001)		
09 65 13 23-0011	LF		1/8" Thick, Smooth Surface Rubber Stair Riser.....	6.22	0.46
09 65 13 23-0012			Smooth, Raised Disc or Other Patterned Rubber Landing Mats (09 65 13 23-0001)		
09 65 13 23-0013	SF		1/8" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	13.72	0.72
09 65 13 23-0014	SF		3/16" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	16.53	0.78
09 65 13 23-0015	SF		7/32" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	17.92	0.87
09 65 13 23-0016			Vinyl Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0017			Ribbed Vinyl Stair Tread (09 65 13 23-0016)		
09 65 13 23-0018	LF		1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... <i>For Abrasive Strip, Add</i>	8.98 2.75	0.71
09 65 13 23-0019	LF		3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... <i>For Abrasive Strip, Add</i>	9.94 2.75	0.78
09 65 13 23-0020	LF		1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... <i>For Abrasive Strip, Add</i>	12.12 2.75	0.84
09 65 13 23-0021			Smooth Surface Vinyl Stair Riser (09 65 13 23-0016)		
09 65 13 23-0022	LF		1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	4.88	0.46
09 65 13 33			Resilient Accessories (09 65 13)		
09 65 13 33-0001			Flexible Self Leveling Cementitious Underlayments (09 65 13 33)		
09 65 13 33-0002	SF		1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	0.80	0.38
09 65 13 33-0003	SF		1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.30	0.38
09 65 13 33-0004			Concrete Floor Prep (09 65 13 33)		
09 65 13 33-0005	SF		Removal Of Glue From Concrete Floor Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	0.48	
09 65 13 36			Resilient Carpet Transitions (09 65 13)		
09 65 13 36-0001			Vinyl Transition Strip (09 65 13 36)		
09 65 13 36-0002	LF		Vinyl Transition Strip, Brown Or Black..... <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i>	1.08 -0.08 -0.13	0.35
09 65 13 36-0003	LF		Vinyl Floor Tile Reducer Strip, Brown Or Black <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i>	0.96 -0.07 -0.11	0.35
09 65 13 36-0004	LF		Vinyl Floor Tile Feature Strip, Brown Or Black..... <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i>	0.80 -0.06 -0.08	0.35
09 65 13 36-0005			Vinyl, Wheeled Traffic Transitions (09 65 13 36)		
09 65 13 36-0006	LF		1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A) <i>For Up To 100, Add</i> <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i> <i>For Up To 20, Add</i> <i>For >20 To 40, Add</i>	1.88 0.13 -0.15 -0.22 0.59 0.34	0.48
09 65 13 36-0007	LF		1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C) <i>For Up To 100, Add</i> <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i> <i>For Up To 20, Add</i> <i>For >20 To 40, Add</i>	1.88 0.13 -0.15 -0.22 0.59 0.34	0.48

09 Finishes

09 60 Flooring

09 65 Resilient Flooring



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 65 13 36-0008	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	2.37		0.48
		For Up To 100, Add	0.16		
		For >240 To 960, Deduct	-0.20		
		For >960, Deduct	-0.30		
		For Up To 20, Add	0.67		
		For >20 To 40, Add	0.39		
09 65 13 36-0009	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	4.10		0.48
		For Up To 100, Add	0.24		
		For >240 To 960, Deduct	-0.37		
		For >960, Deduct	-0.56		
		For Up To 20, Add	0.93		
		For >20 To 40, Add	0.57		
09 65 13 36-0010	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL).....	4.11		0.48
		For Up To 100, Add	0.24		
		For >240 To 960, Deduct	-0.37		
		For >960, Deduct	-0.56		
		For Up To 20, Add	0.93		
		For >20 To 40, Add	0.57		
09 65 13 36-0011	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	2.62		0.48
		For Up To 100, Add	0.17		
		For >240 To 960, Deduct	-0.22		
		For >960, Deduct	-0.33		
		For Up To 20, Add	0.71		
		For >20 To 40, Add	0.42		
09 65 13 36-0012	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J).....	3.99		0.48
		For Up To 100, Add	0.24		
		For >240 To 960, Deduct	-0.36		
		For >960, Deduct	-0.54		
		For Up To 20, Add	0.91		
		For >20 To 40, Add	0.56		
09 65 13 36-0013	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	4.14		0.48
		For Up To 100, Add	0.25		
		For >240 To 960, Deduct	-0.38		
		For >960, Deduct	-0.56		
		For Up To 20, Add	0.93		
		For >20 To 40, Add	0.57		
09 65 13 36-0014	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K).....	3.44		0.48
		For Up To 100, Add	0.21		
		For >240 To 960, Deduct	-0.31		
		For >960, Deduct	-0.46		
		For Up To 20, Add	0.83		
		For >20 To 40, Add	0.50		
09 65 13 36-0015	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L).....	3.79		0.48
		For Up To 100, Add	0.23		
		For >240 To 960, Deduct	-0.34		
		For >960, Deduct	-0.51		
		For Up To 20, Add	0.88		
		For >20 To 40, Add	0.54		
09 65 13 36-0016	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M).....	4.14		0.48
		For Up To 100, Add	0.25		
		For >240 To 960, Deduct	-0.38		
		For >960, Deduct	-0.56		
		For Up To 20, Add	0.93		
		For >20 To 40, Add	0.57		
09 65 13 36-0017	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	3.38		0.48
		For Up To 100, Add	0.21		
		For >240 To 960, Deduct	-0.30		
		For >960, Deduct	-0.45		
		For Up To 20, Add	0.82		
		For >20 To 40, Add	0.49		
09 65 13 36-0018	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P).....	2.81		0.48
		For Up To 100, Add	0.18		
		For >240 To 960, Deduct	-0.24		
		For >960, Deduct	-0.36		
		For Up To 20, Add	0.73		
		For >20 To 40, Add	0.44		
09 65 13 36-0019	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL).....	4.26		0.48
		For Up To 100, Add	0.25		
		For >240 To 960, Deduct	-0.39		
		For >960, Deduct	-0.58		
		For Up To 20, Add	0.95		
		For >20 To 40, Add	0.58		
09 65 13 36-0020	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	5.57		0.48
		For Up To 100, Add	0.32		
		For >240 To 960, Deduct	-0.52		
		For >960, Deduct	-0.78		
		For Up To 20, Add	1.15		
		For >20 To 40, Add	0.71		
09 65 13 36-0021	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X).....	2.72		0.48
		For Up To 100, Add	0.18		
		For >240 To 960, Deduct	-0.23		
		For >960, Deduct	-0.35		
		For Up To 20, Add	0.72		
		For >20 To 40, Add	0.43		
09 65 13 36-0022	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y).....	2.77		0.48
		For Up To 100, Add	0.18		
		For >240 To 960, Deduct	-0.24		
		For >960, Deduct	-0.36		
		For Up To 20, Add	0.73		
		For >20 To 40, Add	0.43		



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0023	LF		0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	3.18	0.48
			<i>For Up To 100, Add</i>	<i>0.20</i>	
			<i>For >240 To 960, Deduct</i>	<i>-0.28</i>	
			<i>For >960, Deduct</i>	<i>-0.42</i>	
			<i>For Up To 20, Add</i>	<i>0.79</i>	
			<i>For >20 To 40, Add</i>	<i>0.47</i>	
09 65 16 Resilient Sheet Flooring (09 65)					
09 65 16 23 Vinyl Sheet Flooring (09 65 16)					
09 65 16 23-0001 Vinyl Sheet Flooring (09 65 16 23)					
Note: For flash cove application, add additional square foot of material to form cove base.					
09 65 16 23-0002	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®).....	5.91	0.29
			<i>For Up To 40, Add</i>	<i>1.96</i>	
			<i>For >40 To 100, Add</i>	<i>0.98</i>	
			<i>For >1,000, Deduct</i>	<i>-0.53</i>	
09 65 16 23-0003	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™).....	4.77	0.29
			<i>For Up To 40, Add</i>	<i>1.73</i>	
			<i>For >40 To 100, Add</i>	<i>0.87</i>	
			<i>For >1,000, Deduct</i>	<i>-0.42</i>	
09 65 16 23-0004	SF		0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®).....	3.01	0.29
			<i>For Up To 40, Add</i>	<i>1.38</i>	
			<i>For >40 To 100, Add</i>	<i>0.69</i>	
			<i>For >1,000, Deduct</i>	<i>-0.24</i>	
09 65 16 23-0005	SF		0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™).....	4.00	0.29
			<i>For Up To 40, Add</i>	<i>1.58</i>	
			<i>For >40 To 100, Add</i>	<i>0.79</i>	
			<i>For >1,000, Deduct</i>	<i>-0.34</i>	
09 65 16 23-0006	SF		0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®).....	5.45	0.29
			<i>For Up To 40, Add</i>	<i>1.87</i>	
			<i>For >40 To 100, Add</i>	<i>0.94</i>	
			<i>For >1,000, Deduct</i>	<i>-0.49</i>	
09 65 16 23-0007	SF		0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®).....	7.65	0.29
			<i>For Up To 40, Add</i>	<i>2.31</i>	
			<i>For >40 To 100, Add</i>	<i>1.16</i>	
			<i>For >1,000, Deduct</i>	<i>-0.71</i>	
09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23)					
Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.					
09 65 16 23-0009	LF		Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	2.83	
09 65 16 23-0010	LF		Heat Weld Patterned Vinyl Sheet Flooring Seams.....	3.07	
09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23)					
Note: Excludes heat welding.					
09 65 16 23-0012	EA		Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	6.47	
09 65 16 23-0013 Vinyl Sheet Flooring Accessories (09 65 16 23)					
09 65 16 23-0014	LF		1/2" Radius Vinyl Cove Filler Strip.....	2.12	
09 65 16 23-0015	LF		1-1/4" Radius Vinyl Cove Filler Strip.....	1.86	
09 65 16 23-0016	LF		1-1/2" Radius Vinyl Cove Filler Strip.....	2.98	
09 65 16 23-0017	LF		1/8" Aluminum Cove Cap.....	1.34	
09 65 19 Resilient Tile Flooring (09 65)					
Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.					
09 65 19 19 Vinyl Composition Tile Flooring (09 65 19)					
09 65 19 19-0001 Vinyl Composition Tile (VCT) (09 65 19 19)					
Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.					
09 65 19 19-0002	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®).....	1.84	0.59
			<i>For Up To 100, Add</i>	<i>0.13</i>	
			<i>For >240 To 960, Deduct</i>	<i>-0.15</i>	
			<i>For >960, Deduct</i>	<i>-0.22</i>	
			<i>For >1,000 To 3,000, Deduct</i>	<i>-0.04</i>	
			<i>For >3,000 To 6,000, Deduct</i>	<i>-0.10</i>	
			<i>For >6,000, Deduct</i>	<i>-0.18</i>	
			<i>For 3/32" Thick, Deduct</i>	<i>-0.11</i>	
			<i>For Extra Stock, Material Only, Deduct</i>	<i>-0.68</i>	
			<i>For Up To 20, Add</i>	<i>0.56</i>	
			<i>For >20 To 40, Add</i>	<i>0.33</i>	

09 Finishes

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09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)	1.84	0.59
		For Up To 100, Add	0.13	
		For >240 To 960, Deduct	-0.15	
		For >960, Deduct	-0.22	
		For >1,000 To 3,000, Deduct	-0.04	
		For >3,000 To 6,000, Deduct	-0.10	
		For >6,000, Deduct	-0.18	
		For Extra Stock, Material Only, Deduct	-0.68	
		For Up To 20, Add	0.56	
		For >20 To 40, Add	0.33	
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	1.84	0.59
		For Up To 100, Add	0.13	
		For >240 To 960, Deduct	-0.15	
		For >960, Deduct	-0.22	
		For >1,000 To 3,000, Deduct	-0.04	
		For >3,000 To 6,000, Deduct	-0.10	
		For >6,000, Deduct	-0.18	
		For Extra Stock, Material Only, Deduct	-0.68	
		For Up To 20, Add	0.56	
		For >20 To 40, Add	0.33	
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	2.91	0.59
		For Up To 100, Add	0.18	
		For >240 To 960, Deduct	-0.26	
		For >960, Deduct	-0.38	
		For >1,000 To 3,000, Deduct	-0.06	
		For >3,000 To 6,000, Deduct	-0.14	
		For >6,000, Deduct	-0.24	
		For Extra Stock, Material Only, Deduct	-0.68	
		For Up To 20, Add	0.72	
		For >20 To 40, Add	0.44	
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	2.93	0.59
		For Up To 100, Add	0.18	
		For >240 To 960, Deduct	-0.26	
		For >960, Deduct	-0.39	
		For >1,000 To 3,000, Deduct	-0.06	
		For >3,000 To 6,000, Deduct	-0.14	
		For >6,000, Deduct	-0.24	
		For Extra Stock, Material Only, Deduct	-0.68	
		For Up To 20, Add	0.73	
		For >20 To 40, Add	0.44	
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	3.13	0.59
		For Up To 100, Add	0.19	
		For >240 To 960, Deduct	-0.28	
		For >960, Deduct	-0.42	
		For >1,000 To 3,000, Deduct	-0.07	
		For >3,000 To 6,000, Deduct	-0.15	
		For >6,000, Deduct	-0.25	
		For Extra Stock, Material Only, Deduct	-0.68	
		For Up To 20, Add	0.76	
		For >20 To 40, Add	0.46	
09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	3.16	0.59
		For Up To 100, Add	0.19	
		For >240 To 960, Deduct	-0.28	
		For >960, Deduct	-0.42	
		For >1,000 To 3,000, Deduct	-0.07	
		For >3,000 To 6,000, Deduct	-0.15	
		For >6,000, Deduct	-0.25	
		For Extra Stock, Material Only, Deduct	-0.68	
		For Up To 20, Add	0.76	
		For >20 To 40, Add	0.46	
09 65 19 19-0009	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	3.29	0.59
		For Up To 100, Add	0.20	
		For >240 To 960, Deduct	-0.29	
		For >960, Deduct	-0.44	
		For >1,000 To 3,000, Deduct	-0.07	
		For >3,000 To 6,000, Deduct	-0.16	
		For >6,000, Deduct	-0.26	
		For Extra Stock, Material Only, Deduct	-0.68	
		For Up To 20, Add	0.78	
		For >20 To 40, Add	0.47	
09 65 19 19-0010	SF	1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	4.46	0.59
		For Up To 100, Add	0.26	
		For >240 To 960, Deduct	-0.41	
		For >960, Deduct	-0.62	
		For >1,000 To 3,000, Deduct	-0.09	
		For >3,000 To 6,000, Deduct	-0.20	
		For >6,000, Deduct	-0.33	
		For Extra Stock, Material Only, Deduct	-0.68	
		For Up To 20, Add	0.96	
		For >20 To 40, Add	0.59	
09 65 19 19-0011	SF	1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	4.92	0.59
		For Up To 100, Add	0.28	
		For >240 To 960, Deduct	-0.46	
		For >960, Deduct	-0.68	
		For >1,000 To 3,000, Deduct	-0.10	
		For >3,000 To 6,000, Deduct	-0.22	
		For >6,000, Deduct	-0.36	
		For Extra Stock, Material Only, Deduct	-0.68	
		For Up To 20, Add	1.03	
		For >20 To 40, Add	0.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0012	SF		1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™).....	6.73	0.59
			<i>For Up To 100, Add</i>	0.37	
			<i>For >240 To 960, Deduct</i>	-0.64	
			<i>For >960, Deduct</i>	-0.96	
			<i>For >1,000 To 3,000, Deduct</i>	-0.14	
			<i>For >3,000 To 6,000, Deduct</i>	-0.29	
			<i>For >6,000, Deduct</i>	-0.47	
			<i>For Extra Stock, Material Only, Deduct</i>	-0.68	
			<i>For Up To 20, Add</i>	1.30	
			<i>For >20 To 40, Add</i>	0.82	
09 65 19 23 Vinyl Tile Flooring (09 65 19)					
09 65 19 23-0001			Vinyl Tile (09 65 19 23) Note: Any size.		
09 65 19 23-0002			Solid Vinyl Tile (SVT) (09 65 19 23-0001) Note: The following solid vinyl tiles are certified to ASTM F 1700.		
09 65 19 23-0003	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande)	5.34	0.59
			<i>For Up To 100, Add</i>	0.32	
			<i>For >240 To 960, Deduct</i>	-0.48	
			<i>For >960, Deduct</i>	-0.73	
			<i>For >1,000 To 3,000, Deduct</i>	-0.11	
			<i>For >3,000 To 6,000, Deduct</i>	-0.25	
			<i>For >6,000, Deduct</i>	-0.41	
09 65 19 23-0004	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors)	5.50	0.59
			<i>For Up To 100, Add</i>	0.32	
			<i>For >240 To 960, Deduct</i>	-0.50	
			<i>For >960, Deduct</i>	-0.75	
			<i>For >1,000 To 3,000, Deduct</i>	-0.11	
			<i>For >3,000 To 6,000, Deduct</i>	-0.25	
			<i>For >6,000, Deduct</i>	-0.42	
			<i>For Up To 20, Add</i>	1.22	
			<i>For >20 To 40, Add</i>	0.75	
09 65 19 23-0005	SF		1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	5.61	0.59
			<i>For Up To 100, Add</i>	0.33	
			<i>For >240 To 960, Deduct</i>	-0.51	
			<i>For >960, Deduct</i>	-0.77	
			<i>For >1,000 To 3,000, Deduct</i>	-0.12	
			<i>For >3,000 To 6,000, Deduct</i>	-0.26	
			<i>For >6,000, Deduct</i>	-0.43	
09 65 19 33 Rubber Tile Flooring (09 65 19)					
09 65 19 33-0001			Rubber Tile (09 65 19 33)		
09 65 19 33-0002			Rubber Tile With Raised Discs, Assorted Colors (09 65 19 33-0001)		
09 65 19 33-0003	SF		1/8" Thick Rubber Tile With Raised Discs	12.36	0.35
			Note: Smooth, raised disc or other patterned surface.		
			<i>For Up To 100, Add</i>	0.65	
09 65 19 33-0004	SF		3/16" Thick Rubber Tile With Raised Discs	15.04	0.38
			Note: Smooth, raised disc or other patterned surface.		
			<i>For Up To 100, Add</i>	0.79	
09 65 19 33-0005	SF		7/32" Thick Rubber Tile With Raised Discs	16.67	0.46
			Note: Smooth, raised disc or other patterned surface.		
			<i>For Up To 100, Add</i>	0.88	
09 65 19 43 Polyester Composition Tile Flooring (09 65 19)					
09 65 19 43-0001			Polyester Composition Floor Tile (09 65 19 43) Note: Any size.		
09 65 19 43-0002	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®).....	2.98	0.59
			<i>For Up To 100, Add</i>	0.19	
			<i>For >240 To 960, Deduct</i>	-0.26	
			<i>For >960, Deduct</i>	-0.39	
			<i>For >1,000 To 3,000, Deduct</i>	-0.06	
			<i>For >3,000 To 6,000, Deduct</i>	-0.14	
			<i>For >6,000, Deduct</i>	-0.24	
			<i>For Extra Stock, Material Only, Deduct</i>	-0.68	
			<i>For Up To 20, Add</i>	0.74	
			<i>For >20 To 40, Add</i>	0.44	
09 65 19 43-0003	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	3.47	0.59
			<i>For Up To 100, Add</i>	0.21	
			<i>For >240 To 960, Deduct</i>	-0.31	
			<i>For >960, Deduct</i>	-0.47	
			<i>For >1,000 To 3,000, Deduct</i>	-0.07	
			<i>For >3,000 To 6,000, Deduct</i>	-0.16	
			<i>For >6,000, Deduct</i>	-0.27	
			<i>For Extra Stock, Material Only, Deduct</i>	-0.68	
			<i>For Up To 20, Add</i>	0.81	
			<i>For >20 To 40, Add</i>	0.49	
09 65 43 Linoleum Flooring (09 65)					
09 65 43 00-0001			Linoleum Flooring (09 65 43)		
09 65 43 00-0002	SF		Linoleum Tile (Forbo Marmoleum Composition Tile, MCT).....	3.52	0.59

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 43 00-0003 SF 2.5mm, Linoleum Sheet (Forbo Marmoleum)	2.70	0.29
For 3.2mm Thickness, Add	0.42	
For 2mm Thickness, Deduct	-0.20	
09 65 43 00-0004 LF Heat Weld Linoleum Sheet Flooring Seams	2.84	
Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 66 Resilient Athletic Flooring (09 65)		
09 65 66 00-0001 Sheet Goods For Gym (09 65 66)		
09 65 66 00-0002 SF 1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	4.82	1.16
09 65 66 00-0003 SF 9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	5.09	1.20
09 65 66 00-0004 SF 3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	5.31	1.24
09 65 66 00-0005 SF 1/8" Rubber Sheet Good For Gym Floor Base	2.85	0.95
09 65 66 00-0006 SF 3/16" Rubber Sheet Good For Gym Floor Base	3.19	1.08
09 65 66 00-0007 SF 1/4" Rubber Sheet Good For Gym Floor Base	3.86	1.16
09 65 66 00-0008 SF 3/8" Rubber Sheet Good For Gym Floor Base	4.30	1.24
09 65 66 00-0009 SF 1/2" Rubber Sheet Good For Gym Floor Base	4.60	1.31
09 65 66 00-0010 Interlocking Rubber Flooring (09 65 66)		
09 65 66 00-0011 SF 3/8" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling HL-155)	22.53	0.27
Note: Black with hidden or exposed locks.		
For Colors, Add	2.77	
09 65 66 00-0012 SF 9/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling HL-100)	34.85	0.27
Note: Black with hidden or exposed locks.		
For Colors, Add	4.31	
09 65 66 00-0013 SF 7/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling PL-100)	20.06	0.27
Note: Black with hidden or exposed locks.		
For Colors, Add	2.46	
09 65 66 00-0014 SF 9/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling PL-200)	24.10	0.27
Note: Black with hidden or exposed locks.		
For Colors, Add	2.97	
09 65 66 00-0015 SF 7/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling FL-150)	20.06	0.27
Note: Black with hidden or exposed locks.		
For Colors, Add	2.46	
09 65 66 00-0016 SF 3/8" Interlocking Rubber Tile Flooring	3.60	0.27
09 65 66 00-0017 SF 7/16" Interlocking Rubber Tile Flooring	3.97	0.31
09 65 66 00-0018 SF 1/2" Interlocking Rubber Tile Flooring	4.13	0.34
09 65 66 00-0019 SF 5/8" Interlocking Rubber Tile Flooring	4.31	0.40
09 65 66 00-0020 SF 3/4" Interlocking Rubber Tile Flooring	6.45	0.55
09 65 66 00-0021 SF 1" Interlocking Rubber Tile Flooring	8.48	0.66
09 65 66 00-0022 Polyurethane Floor Systems (09 65 66)		
See CSI section 09 93 23 53-0022 for game lines.		
09 65 66 00-0023 SF 7 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	10.45	0.78
09 65 66 00-0024 SF 9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	11.78	0.78
09 66 Terrazzo Flooring (09 60)		
09 66 13 Portland Cement Terrazzo Flooring (09 66)		
Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.		
09 66 13 00-0001 Floors Bonded To Concrete (09 66 13)		
Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 00-0002 SF Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	11.98	0.95
For Venetian Type Terrazzo, Add	4.04	
For Abrasive Heavy Duty Terrazzo, Add	4.04	
For Colors, Add	2.02	
For Up To 100, Add	2.37	
For >100 To 250, Add	1.18	
09 66 13 00-0003 SF Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	12.08	0.95
For Venetian Type Terrazzo, Add	4.09	
For Abrasive Heavy Duty Terrazzo, Add	4.09	
For Colors, Add	2.05	
For Up To 100, Add	2.38	
For >100 To 250, Add	1.19	
09 66 13 00-0004 Floors Not Bonded To Concrete (09 66 13)		
Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 00-0005 SF Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	14.85	0.95
For Venetian Type Terrazzo, Add	4.90	
For Abrasive Heavy Duty Terrazzo, Add	4.90	
For Colors, Add	2.45	
For Up To 100, Add	3.00	
For >100 To 250, Add	1.50	



		Finishes	09
		Flooring	09 60
		Terrazzo Flooring	09 66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 00-0006	SF		Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion <i>For Venetian Type Terrazzo, Add</i> <i>For Abrasive Heavy Duty Terrazzo, Add</i> <i>For Colors, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	14.95 4.95 4.95 2.47 3.01 1.51	0.95
09 66 13 00-0007			Monolithic Terrazzo (09 66 13)		
09 66 13 00-0008	SF		Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4'-5' Square Panels Topping (Including Mesh And Felt) <i>For Venetian Type Terrazzo, Add</i> <i>For Abrasive Heavy Duty Terrazzo, Add</i> <i>For Colors, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	8.97 3.57 3.57 1.78 1.45 0.72	0.95
09 66 13 00-0009			Terrazzo Wainscot (09 66 13)		
09 66 13 00-0010	SF		Terrazzo Wainscot Cast In Place 1-1/2" Thick Bonded To Concrete Or Masonry 1-1/2" Thick <i>For Venetian Type Terrazzo, Add</i>	13.66 2.62	1.27
09 66 13 00-0011			Terrazzo Base (09 66 13)		
09 66 13 00-0012	SF		Terrazzo Base, Cast In Place, 6" Cove Type <i>For Venetian Type Terrazzo, Add</i>	16.68 5.71	0.95
09 66 13 00-0013			Terrazzo Curb (09 66 13)		
09 66 13 00-0014	LF		6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces <i>For Venetian Type Terrazzo, Add</i>	36.29 7.61	6.32
09 66 13 00-0015			Stairs Cast In Place (09 66 13) Note: Topping applied to concrete or metal.		
09 66 13 00-0016	LF		Cast In Place Terrazzo Stair, 1-1/2" Thick x 12" Wide, Applied To Concrete Or Metal <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	13.48 0.35 0.56 3.90 1.50	1.89
09 66 13 00-0017	LF		Cast In Place Terrazzo Stair Tread And Riser, Applied To Concrete Or Metal <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	31.87 0.35 0.56 3.90 1.50	6.33
09 66 13 00-0018	SF		Cast In Place Terrazzo Stair Stringer And Fascia, Applied To Concrete Or Metal <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	13.76 0.35 0.56 3.90 1.50	1.89
09 66 13 00-0019			Divider Strips (09 66 13)		
09 66 13 00-0020	LF		1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip <i>For White Cement, Add</i>	2.88 0.36	0.32
09 66 13 00-0021	LF		1-1/4" Deep, 14 Gauge, Brass, Divider Strip <i>For White Cement, Add</i>	2.30 0.36	0.32
09 66 13 00-0022	LF		1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip <i>For White Cement, Add</i>	4.65 0.36	0.32
09 66 13 00-0023	LF		1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip <i>For White Cement, Add</i>	7.26 0.36	0.32
09 66 13 00-0024	LF		1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors <i>For White Cement, Add</i>	2.69 0.36	0.32
09 66 13 00-0025	LF		1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors <i>For White Cement, Add</i>	4.33 0.36	0.32
09 66 13 00-0026	LF		Vinyl Plastic, Divider Strip For Floor <i>For White Cement, Add</i>	2.41 0.36	0.32
09 66 16			Terrazzo Floor Tile (09 66)		
09 66 16 00-0001			Flooring Tiles (09 66 16) Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 00-0002			Terrazzo Tiles With Non Slip Surface (09 66 16 00-0001)		
09 66 16 00-0003	SF		9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	13.52 0.36 2.00	0.95
09 66 16 00-0004	SF		12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	14.15 0.36 2.00	0.95
09 66 16 00-0005	SF		12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	16.63 0.36 2.00	0.95
09 66 16 00-0006	SF		18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	18.28 0.36 2.00	0.95
09 66 16 00-0007	SF		24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	19.70 0.36 2.00	0.95
09 66 16 00-0008			Terrazzo Tile Thin Set (09 66 16 00-0001)		

09 Finishes**09 60 Flooring****09 66 Terrazzo Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 00-0009	SF		Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	13.61 0.36 2.00	0.95
09 66 16 00-0010	SF		Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	14.73 0.36 2.00	0.95
09 66 16 00-0011			Thin Set Terrazzo Wainscot (09 66 16 00-0001)		
09 66 16 00-0012	SF		12" x 12" x 1" Terrazzo Tile Wainscot Thin Set..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	19.38 0.50 1.00	1.90
09 66 16 00-0013	SF		18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	21.92 0.50 1.00	1.90
09 66 16 00-0014			Thin Set Terrazzo Base, Gray Cement (09 66 16 00-0001)		
09 66 16 00-0015	LF		6" High, Straight Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	6.77 0.50 1.00	0.95
09 66 16 00-0016	LF		6" High, Cove Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	7.80 0.50 1.00	0.95
09 66 16 00-0017	LF		8" High, Straight Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	8.04 0.50 1.00	0.95
09 66 16 00-0018	LF		8" High, Cove Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	8.56 0.50 1.00	0.95
09 66 16 00-0019			Terrazzo Curbs (09 66 16 00-0001)		
09 66 16 00-0020	LF		8" x 8" Curb, Terrazzo Tile..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	12.21 0.50 1.00	1.26
09 66 16 00-0021	LF		6" x 6" Curb, Terrazzo Tile..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	11.69 0.50 1.00	1.26
09 66 16 00-0022			Precast Terrazzo Stair Treads 12" Wide (09 66 16 00-0001)		
09 66 16 00-0023	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern.....	37.68	1.26
09 66 16 00-0024	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface.....	31.47	1.26
09 66 16 00-0025	LF		2" Precast Terrazzo Straight Stair Tread	27.33	1.26
09 66 16 00-0026	LF		2" Precast Terrazzo Curved Stair Tread.....	32.27	1.26
09 66 16 00-0027			Stair Risers, 1" Thick To 6" High, Straight (09 66 16 00-0001)		
09 66 16 00-0028	LF		1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	16.36	0.95
09 66 16 00-0029	LF		1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set.....	19.46	0.95
09 66 16 00-0030			Stair Risers, 1" Thick To 6" High, Curved (09 66 16 00-0001)		
09 66 16 00-0031	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set.....	24.95	0.95
09 66 16 00-0032	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set.....	27.02	0.95
09 66 16 00-0033			Tread And Riser (09 66 16)		
09 66 16 00-0034			Stair Stringers, Notched For Treads And Risers (09 66 16 00-0033)		
09 66 16 00-0035	LF		1" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	40.89	2.53
09 66 16 00-0036	LF		2" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	49.63	2.53
09 66 16 00-0037			Structural Non-Slip Landings (09 66 16 00-0033)		
09 66 16 00-0038	SF		1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	29.81	1.26
09 66 16 00-0039	SF		3" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	37.27	1.26
09 66 16 00-0040			Combined Tread And Riser (09 66 16 00-0033)		
09 66 16 00-0041			Straight Sections (09 66 16 00-0040)		
09 66 16 00-0042	LF		Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	67.64	2.53
09 66 16 00-0043	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	82.12	2.53
09 66 16 00-0044			Curved Sections (09 66 16 00-0040)		
09 66 16 00-0045	LF		Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	86.04	2.53
09 66 16 00-0046	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	110.86	2.53
09 66 23			Resinous Matrix Terrazzo Flooring (09 66)		
09 66 23 16			Epoxy-Resin Terrazzo Flooring (09 66 23)		



		Finishes	09
		Flooring	09 60
		Terrazzo Flooring	09 66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 66 23 16-0001			Epoxy Terrazzo (09 66 23 16)		
09 66 23 16-0002	SF		Chemical Resistant Epoxy Terrazzo, 1/4" Thick	11.84	0.95

09 66 33 Conductive Terrazzo Flooring (09 66)

Note: For anti-static areas.

09 66 33 13			Conductive Epoxy-Resin Terrazzo (09 66 33)		
09 66 33 13-0001	SF		Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial.....	13.12	1.58
09 66 33 13-0002	SF		Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial.....	24.74	1.58

09 66 33 16 Conductive Polyester-Resin Terrazzo Flooring (09 66 33)

09 66 33 16-0001	SF		Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial.....	9.88	1.58
09 66 33 16-0002	SF		Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial.....	18.05	1.58

09 66 33 19 Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)

09 66 33 19-0001	SF		Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial	10.95	1.58
09 66 33 19-0002	SF		Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial	22.05	1.58
09 66 33 19-0003	SF		Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial.....	16.61	1.58
09 66 33 19-0004	SF		Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial	18.48	1.58

09 67 Fluid-Applied Flooring (09 60)

09 67 16 Epoxy-Marble Chip Flooring (09 67)

09 67 16 00-0001			Epoxy Marble Chip Flooring (09 67 16)		
09 67 16 00-0002	SF		Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	7.57	0.95
			For Skid Resistant Abrasive Sand Finish, Add	0.05	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	
09 67 16 00-0003	SF		Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy	8.24	0.95
			For Skid Resistant Abrasive Sand Finish, Add	0.05	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	

09 67 29 Epoxy Flooring (09 67)

09 67 29 00-0001			Epoxy Flooring (09 67 29)		
			Note: Includes primer and topcoats (assorted colors), existing floor preparation of sand or bead blasting, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes.		
09 67 29 00-0002	SF		Epoxy Flooring Trowel Applied Mortar Compound, 3/16" Heavy Duty (6,000 - 7,500 PSI).....	5.65	2.15
			For Skid Resistant Abrasive Sand Finish, Add	0.03	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.03	
			For Up To 500, Add	1.16	
			For >500 To 1,000, Add	0.72	
			For >1,000 To 2,000, Add	0.36	
09 67 29 00-0003	SF		Epoxy Flooring Trowel Applied Mortar Compound, 3/16", Chemical Resistant (10,000 - 12,000 PSI)	9.42	2.15
			For Skid Resistant Abrasive Sand Finish, Add	0.07	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.07	
			For Up To 500, Add	2.10	
			For >500 To 1,000, Add	1.29	
			For >1,000 To 2,000, Add	0.64	
09 67 29 00-0004	SF		Epoxy Flooring Trowel Applied Mortar Compound, 1/4" Heavy Duty (6,000 - 7,500 PSI).....	6.36	2.40
			For Skid Resistant Abrasive Sand Finish, Add	0.03	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.03	
			For Up To 500, Add	1.30	
			For >500 To 1,000, Add	0.81	
			For >1,000 To 2,000, Add	0.40	
09 67 29 00-0005	SF		Epoxy Flooring Trowel Applied Mortar Compound, 1/4", Chemical Resistant (10,000 - 12,000 PSI)	10.67	2.40
			For Skid Resistant Abrasive Sand Finish, Add	0.08	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.08	
			For Up To 500, Add	2.38	
			For >500 To 1,000, Add	1.46	
			For >1,000 To 2,000, Add	0.73	
09 67 29 00-0006	SF		Epoxy Flooring Trowel Applied Mortar Compound, 3/8" Heavy Duty (6,000 - 7,500 PSI).....	7.18	2.69
			For Skid Resistant Abrasive Sand Finish, Add	0.04	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.04	
			For Up To 500, Add	1.48	
			For >500 To 1,000, Add	0.92	
			For >1,000 To 2,000, Add	0.46	
09 67 29 00-0007	SF		Epoxy Flooring Trowel Applied Mortar Compound, 3/8", Chemical Resistant (10,000 - 12,000 PSI)	11.76	2.69
			For Skid Resistant Abrasive Sand Finish, Add	0.09	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.09	
			For Up To 500, Add	2.62	
			For >500 To 1,000, Add	1.61	
			For >1,000 To 2,000, Add	0.80	

09 68 Carpeting (09 60)

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting (09 68)

09 Finishes

09 60 Flooring

09 68 Carpeting

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0001			Tufted Carpet Tiles (09 68 13) Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.		
09 68 13 00-0002			Non-Patterned Carpet Tiles (09 68 13 00-0001)		
09 68 13 00-0003	SY		18 Ounce, Non Patterned, Nylon Carpet Tile.....	27.03	2.33
			For >200 To 400, Deduct	-0.43	
			For >400 To 600, Deduct	-0.64	
			For >600 To 900, Deduct	-1.15	
			For >900 To 1,500, Deduct	-1.66	
			For >1,500 To 2,200, Deduct	-2.42	
			For >2,200 To 3,500, Deduct	-3.09	
			For >3,500, Deduct	-3.77	
			For Cushion Backed Tile, Add	4.90	
09 68 13 00-0004	SY		20 Ounce, Non Patterned, Nylon Carpet Tile.....	28.33	2.33
			For >200 To 400, Deduct	-0.45	
			For >400 To 600, Deduct	-0.68	
			For >600 To 900, Deduct	-1.22	
			For >900 To 1,500, Deduct	-1.76	
			For >1,500 To 2,200, Deduct	-2.55	
			For >2,200 To 3,500, Deduct	-3.26	
			For >3,500, Deduct	-3.96	
			For Cushion Backed Tile, Add	4.90	
09 68 13 00-0005	SY		22 Ounce, Non Patterned, Nylon Carpet Tile.....	32.43	2.33
			For >200 To 400, Deduct	-0.53	
			For >400 To 600, Deduct	-0.80	
			For >600 To 900, Deduct	-1.42	
			For >900 To 1,500, Deduct	-2.04	
			For >1,500 To 2,200, Deduct	-2.96	
			For >2,200 To 3,500, Deduct	-3.77	
			For >3,500, Deduct	-4.58	
			For Cushion Backed Tile, Add	4.90	
09 68 13 00-0006	SY		24 Ounce, Non Patterned, Nylon Carpet Tile.....	36.44	2.33
			For >200 To 400, Deduct	-0.61	
			For >400 To 600, Deduct	-0.92	
			For >600 To 900, Deduct	-1.62	
			For >900 To 1,500, Deduct	-2.32	
			For >1,500 To 2,200, Deduct	-3.36	
			For >2,200 To 3,500, Deduct	-4.27	
			For >3,500, Deduct	-5.18	
			For Cushion Backed Tile, Add	4.90	
09 68 13 00-0007	SY		26 Ounce, Non Patterned, Nylon Carpet Tile.....	38.78	2.33
			For >200 To 400, Deduct	-0.66	
			For >400 To 600, Deduct	-0.99	
			For >600 To 900, Deduct	-1.74	
			For >900 To 1,500, Deduct	-2.49	
			For >1,500 To 2,200, Deduct	-3.59	
			For >2,200 To 3,500, Deduct	-4.56	
			For >3,500, Deduct	-5.53	
			For Cushion Backed Tile, Add	4.90	
09 68 13 00-0008	SY		28 Ounce, Non Patterned, Nylon Carpet Tile.....	41.18	2.33
			For >200 To 400, Deduct	-0.71	
			For >400 To 600, Deduct	-1.06	
			For >600 To 900, Deduct	-1.86	
			For >900 To 1,500, Deduct	-2.65	
			For >1,500 To 2,200, Deduct	-3.83	
			For >2,200 To 3,500, Deduct	-4.86	
			For >3,500, Deduct	-5.89	
			For Cushion Backed Tile, Add	4.90	
09 68 13 00-0009	SY		30 Ounce, Non Patterned, Nylon Carpet Tile.....	41.89	2.33
			For >200 To 400, Deduct	-0.72	
			For >400 To 600, Deduct	-1.09	
			For >600 To 900, Deduct	-1.90	
			For >900 To 1,500, Deduct	-2.70	
			For >1,500 To 2,200, Deduct	-3.90	
			For >2,200 To 3,500, Deduct	-4.95	
			For >3,500, Deduct	-6.00	
			For Cushion Backed Tile, Add	4.90	
09 68 13 00-0010	SY		32 Ounce, Non Patterned, Nylon Carpet Tile.....	42.33	2.33
			For >200 To 400, Deduct	-0.73	
			For >400 To 600, Deduct	-1.10	
			For >600 To 900, Deduct	-1.92	
			For >900 To 1,500, Deduct	-2.74	
			For >1,500 To 2,200, Deduct	-3.95	
			For >2,200 To 3,500, Deduct	-5.01	
			For >3,500, Deduct	-6.06	
			For Cushion Backed Tile, Add	4.90	
09 68 13 00-0011	SY		34 Ounce, Non Patterned, Nylon Carpet Tile.....	42.71	2.33
			For >200 To 400, Deduct	-0.74	
			For >400 To 600, Deduct	-1.11	
			For >600 To 900, Deduct	-1.94	
			For >900 To 1,500, Deduct	-2.76	
			For >1,500 To 2,200, Deduct	-3.99	
			For >2,200 To 3,500, Deduct	-5.05	
			For >3,500, Deduct	-6.12	
			For Cushion Backed Tile, Add	4.90	



		Finishes	09	
		Flooring	09 60	09
		Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68	13 00-0012	SY	36 Ounce, Non Patterned, Nylon Carpet Tile.....	43.99	2.33
			<i>For >200 To 400, Deduct</i>	-0.77	
			<i>For >400 To 600, Deduct</i>	-1.15	
			<i>For >600 To 900, Deduct</i>	-2.00	
			<i>For >900 To 1,500, Deduct</i>	-2.85	
			<i>For >1,500 To 2,200, Deduct</i>	-4.11	
			<i>For >2,200 To 3,500, Deduct</i>	-5.21	
			<i>For >3,500, Deduct</i>	-6.31	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0013	SY	38 Ounce, Non Patterned, Nylon Carpet Tile.....	46.52	2.33
			<i>For >200 To 400, Deduct</i>	-0.82	
			<i>For >400 To 600, Deduct</i>	-1.22	
			<i>For >600 To 900, Deduct</i>	-2.13	
			<i>For >900 To 1,500, Deduct</i>	-3.03	
			<i>For >1,500 To 2,200, Deduct</i>	-4.37	
			<i>For >2,200 To 3,500, Deduct</i>	-5.53	
			<i>For >3,500, Deduct</i>	-6.69	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0014	SY	40 Ounce, Non Patterned, Nylon Carpet Tile.....	49.24	2.33
			<i>For >200 To 400, Deduct</i>	-0.87	
			<i>For >400 To 600, Deduct</i>	-1.31	
			<i>For >600 To 900, Deduct</i>	-2.26	
			<i>For >900 To 1,500, Deduct</i>	-3.22	
			<i>For >1,500 To 2,200, Deduct</i>	-4.64	
			<i>For >2,200 To 3,500, Deduct</i>	-5.87	
			<i>For >3,500, Deduct</i>	-7.10	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0015	SY	42 Ounce, Non Patterned, Nylon Carpet Tile.....	54.46	2.33
			<i>For >200 To 400, Deduct</i>	-0.98	
			<i>For >400 To 600, Deduct</i>	-1.46	
			<i>For >600 To 900, Deduct</i>	-2.52	
			<i>For >900 To 1,500, Deduct</i>	-3.58	
			<i>For >1,500 To 2,200, Deduct</i>	-5.16	
			<i>For >2,200 To 3,500, Deduct</i>	-6.52	
			<i>For >3,500, Deduct</i>	-7.88	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0016	SY	Installation Of Owner Provided Non Patterned Carpet Tiles.....	5.86	
09 68	13 00-0017		Patterned Carpet Tiles (09 68 13 00-0001)		
			Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68	13 00-0018	SY	18 Ounce, Patterned, Nylon Carpet Tile.....	27.92	2.33
			<i>For >200 To 400, Deduct</i>	-0.43	
			<i>For >400 To 600, Deduct</i>	-0.65	
			<i>For >600 To 900, Deduct</i>	-1.18	
			<i>For >900 To 1,500, Deduct</i>	-1.70	
			<i>For >1,500 To 2,200, Deduct</i>	-2.48	
			<i>For >2,200 To 3,500, Deduct</i>	-3.18	
			<i>For >3,500, Deduct</i>	-3.87	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0019	SY	20 Ounce, Patterned, Nylon Carpet Tile.....	29.24	2.33
			<i>For >200 To 400, Deduct</i>	-0.46	
			<i>For >400 To 600, Deduct</i>	-0.69	
			<i>For >600 To 900, Deduct</i>	-1.24	
			<i>For >900 To 1,500, Deduct</i>	-1.80	
			<i>For >1,500 To 2,200, Deduct</i>	-2.61	
			<i>For >2,200 To 3,500, Deduct</i>	-3.34	
			<i>For >3,500, Deduct</i>	-4.07	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0020	SY	22 Ounce, Patterned, Nylon Carpet Tile.....	33.41	2.33
			<i>For >200 To 400, Deduct</i>	-0.54	
			<i>For >400 To 600, Deduct</i>	-0.81	
			<i>For >600 To 900, Deduct</i>	-1.45	
			<i>For >900 To 1,500, Deduct</i>	-2.09	
			<i>For >1,500 To 2,200, Deduct</i>	-3.03	
			<i>For >2,200 To 3,500, Deduct</i>	-3.86	
			<i>For >3,500, Deduct</i>	-4.70	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0021	SY	24 Ounce, Patterned, Nylon Carpet Tile.....	37.47	2.33
			<i>For >200 To 400, Deduct</i>	-0.62	
			<i>For >400 To 600, Deduct</i>	-0.94	
			<i>For >600 To 900, Deduct</i>	-1.65	
			<i>For >900 To 1,500, Deduct</i>	-2.37	
			<i>For >1,500 To 2,200, Deduct</i>	-3.43	
			<i>For >2,200 To 3,500, Deduct</i>	-4.37	
			<i>For >3,500, Deduct</i>	-5.31	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0022	SY	26 Ounce, Patterned, Nylon Carpet Tile.....	39.84	2.33
			<i>For >200 To 400, Deduct</i>	-0.67	
			<i>For >400 To 600, Deduct</i>	-1.01	
			<i>For >600 To 900, Deduct</i>	-1.77	
			<i>For >900 To 1,500, Deduct</i>	-2.54	
			<i>For >1,500 To 2,200, Deduct</i>	-3.67	
			<i>For >2,200 To 3,500, Deduct</i>	-4.67	
			<i>For >3,500, Deduct</i>	-5.66	
			<i>For Cushion Backed Tile, Add</i>	4.90	

09 Finishes

09 60 Flooring

09 68 Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68	13 00-0023	SY	28 Ounce, Patterned, Nylon Carpet Tile	42.28	2.33
			<i>For >200 To 400, Deduct</i>	-0.72	
			<i>For >400 To 600, Deduct</i>	-1.08	
			<i>For >600 To 900, Deduct</i>	-1.89	
			<i>For >900 To 1,500, Deduct</i>	-2.71	
			<i>For >1,500 To 2,200, Deduct</i>	-3.91	
			<i>For >2,200 To 3,500, Deduct</i>	-4.97	
			<i>For >3,500, Deduct</i>	-6.03	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0024	SY	30 Ounce, Patterned, Nylon Carpet Tile	43.00	2.33
			<i>For >200 To 400, Deduct</i>	-0.73	
			<i>For >400 To 600, Deduct</i>	-1.10	
			<i>For >600 To 900, Deduct</i>	-1.93	
			<i>For >900 To 1,500, Deduct</i>	-2.76	
			<i>For >1,500 To 2,200, Deduct</i>	-3.99	
			<i>For >2,200 To 3,500, Deduct</i>	-5.06	
			<i>For >3,500, Deduct</i>	-6.14	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0025	SY	32 Ounce, Patterned, Nylon Carpet Tile	43.45	2.33
			<i>For >200 To 400, Deduct</i>	-0.74	
			<i>For >400 To 600, Deduct</i>	-1.12	
			<i>For >600 To 900, Deduct</i>	-1.95	
			<i>For >900 To 1,500, Deduct</i>	-2.79	
			<i>For >1,500 To 2,200, Deduct</i>	-4.03	
			<i>For >2,200 To 3,500, Deduct</i>	-5.12	
			<i>For >3,500, Deduct</i>	-6.20	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0026	SY	34 Ounce, Patterned, Nylon Carpet Tile	43.83	2.33
			<i>For >200 To 400, Deduct</i>	-0.75	
			<i>For >400 To 600, Deduct</i>	-1.13	
			<i>For >600 To 900, Deduct</i>	-1.97	
			<i>For >900 To 1,500, Deduct</i>	-2.82	
			<i>For >1,500 To 2,200, Deduct</i>	-4.07	
			<i>For >2,200 To 3,500, Deduct</i>	-5.17	
			<i>For >3,500, Deduct</i>	-6.26	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0027	SY	36 Ounce, Patterned, Nylon Carpet Tile	45.13	2.33
			<i>For >200 To 400, Deduct</i>	-0.78	
			<i>For >400 To 600, Deduct</i>	-1.17	
			<i>For >600 To 900, Deduct</i>	-2.04	
			<i>For >900 To 1,500, Deduct</i>	-2.91	
			<i>For >1,500 To 2,200, Deduct</i>	-4.20	
			<i>For >2,200 To 3,500, Deduct</i>	-5.33	
			<i>For >3,500, Deduct</i>	-6.46	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0028	SY	38 Ounce, Patterned, Nylon Carpet Tile	47.70	2.33
			<i>For >200 To 400, Deduct</i>	-0.83	
			<i>For >400 To 600, Deduct</i>	-1.24	
			<i>For >600 To 900, Deduct</i>	-2.17	
			<i>For >900 To 1,500, Deduct</i>	-3.09	
			<i>For >1,500 To 2,200, Deduct</i>	-4.46	
			<i>For >2,200 To 3,500, Deduct</i>	-5.65	
			<i>For >3,500, Deduct</i>	-6.84	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0029	SY	40 Ounce, Patterned, Nylon Carpet Tile	50.46	2.33
			<i>For >200 To 400, Deduct</i>	-0.88	
			<i>For >400 To 600, Deduct</i>	-1.33	
			<i>For >600 To 900, Deduct</i>	-2.30	
			<i>For >900 To 1,500, Deduct</i>	-3.28	
			<i>For >1,500 To 2,200, Deduct</i>	-4.73	
			<i>For >2,200 To 3,500, Deduct</i>	-5.99	
			<i>For >3,500, Deduct</i>	-7.26	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0030	SY	42 Ounce, Patterned, Nylon Carpet Tile	55.76	2.33
			<i>For >200 To 400, Deduct</i>	-0.99	
			<i>For >400 To 600, Deduct</i>	-1.48	
			<i>For >600 To 900, Deduct</i>	-2.57	
			<i>For >900 To 1,500, Deduct</i>	-3.65	
			<i>For >1,500 To 2,200, Deduct</i>	-5.26	
			<i>For >2,200 To 3,500, Deduct</i>	-6.66	
			<i>For >3,500, Deduct</i>	-8.05	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0031	SY	Installation Of Owner Provided Patterned Carpet Tiles.....	6.68	

09 68 13 00-0032 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) (09 68 13 00-0001)

Note: Includes conductive ESD releasable adhesive and grounding clips.



	Finishes	09	
	Flooring	09 60	2
	Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0033	SY		24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	48.32	2.33
			<i>For >200 To 400, Deduct</i>	-0.84	
			<i>For >400 To 600, Deduct</i>	-1.26	
			<i>For >600 To 900, Deduct</i>	-2.20	
			<i>For >900 To 1,500, Deduct</i>	-3.13	
			<i>For >1,500 To 2,200, Deduct</i>	-4.52	
			<i>For >2,200 To 3,500, Deduct</i>	-5.73	
			<i>For >3,500, Deduct</i>	-6.93	
09 68 16			Sheet Carpeting (09 68)		
			Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.		
09 68 16 00-0001			Carpet Cushion (09 68 16)		
09 68 16 00-0002			Carpet Pads (09 68 16 00-0001)		
09 68 16 00-0003	SY		Foam Rubber Carpet Padding	4.15	0.97
09 68 16 00-0004	SY		Sponge Rubber Carpet Cushion	4.00	0.97
09 68 16 00-0005	SY		Urethane Carpet Cushion 1/4" Thick	4.12	0.97
09 68 16 00-0006	SY		Urethane Carpet Cushion 3/8" Thick	4.74	0.97
09 68 16 00-0007	SY		7/16" Thick, Rebonded, 6 LB/CF	4.24	0.97
09 68 16 00-0008	SY		3/8" Thick, Rebonded, 7 LB/CF	4.52	0.97
09 68 16 00-0009	SY		1/2" Thick, Rebonded, 8 LB/CF	4.92	0.97
09 68 16 00-0010			Residential Broadloom Carpet (09 68 16)		
			Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0011	SY		25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	16.76	2.58
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.39	
			<i>For Up To 15, Add</i>	1.32	
			<i>For >15 To 33, Add</i>	0.66	
			<i>For >200 To 400, Deduct</i>	-0.20	
			<i>For >400 To 600, Deduct</i>	-0.30	
			<i>For >600 To 900, Deduct</i>	-0.61	
			<i>For >900, Deduct</i>	-0.91	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0012	SY		30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	19.15	2.58
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.39	
			<i>For Up To 15, Add</i>	1.32	
			<i>For >15 To 33, Add</i>	0.66	
			<i>For >200 To 400, Deduct</i>	-0.25	
			<i>For >400 To 600, Deduct</i>	-0.38	
			<i>For >600 To 900, Deduct</i>	-0.73	
			<i>For >900, Deduct</i>	-1.08	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0013	SY		32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	22.43	2.58
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.39	
			<i>For Up To 15, Add</i>	1.32	
			<i>For >15 To 33, Add</i>	0.66	
			<i>For >200 To 400, Deduct</i>	-0.32	
			<i>For >400 To 600, Deduct</i>	-0.47	
			<i>For >600 To 900, Deduct</i>	-0.89	
			<i>For >900, Deduct</i>	-1.31	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0014	SY		34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	25.86	2.58
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.39	
			<i>For Up To 15, Add</i>	1.32	
			<i>For >15 To 33, Add</i>	0.66	
			<i>For >200 To 400, Deduct</i>	-0.38	
			<i>For >400 To 600, Deduct</i>	-0.58	
			<i>For >600 To 900, Deduct</i>	-1.06	
			<i>For >900, Deduct</i>	-1.55	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0015	SY		40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	26.45	2.58
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.39	
			<i>For Up To 15, Add</i>	1.32	
			<i>For >15 To 33, Add</i>	0.66	
			<i>For >200 To 400, Deduct</i>	-0.40	
			<i>For >400 To 600, Deduct</i>	-0.59	
			<i>For >600 To 900, Deduct</i>	-1.09	
			<i>For >900, Deduct</i>	-1.59	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0016	SY		45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	27.21	2.84
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.46	
			<i>For Up To 15, Add</i>	1.41	
			<i>For >15 To 33, Add</i>	0.71	
			<i>For >200 To 400, Deduct</i>	-0.40	
			<i>For >400 To 600, Deduct</i>	-0.60	
			<i>For >600 To 900, Deduct</i>	-1.11	
			<i>For >900, Deduct</i>	-1.62	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	

09 Finishes

09 60 Flooring

09 68 Carpeting

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 68 16 00-0017	SY	48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	28.23	2.84
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.46	
		<i>For Up To 15, Add</i>	1.41	
		<i>For >15 To 33, Add</i>	0.71	
		<i>For >200 To 400, Deduct</i>	-0.42	
		<i>For >400 To 600, Deduct</i>	-0.64	
		<i>For >600 To 900, Deduct</i>	-1.16	
		<i>For >900, Deduct</i>	-1.69	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0018	SY	50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	30.77	2.84
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.46	
		<i>For Up To 15, Add</i>	1.41	
		<i>For >15 To 33, Add</i>	0.71	
		<i>For >200 To 400, Deduct</i>	-0.47	
		<i>For >400 To 600, Deduct</i>	-0.71	
		<i>For >600 To 900, Deduct</i>	-1.29	
		<i>For >900, Deduct</i>	-1.87	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0019	SY	60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	31.07	2.84
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.46	
		<i>For Up To 15, Add</i>	1.41	
		<i>For >15 To 33, Add</i>	0.71	
		<i>For >200 To 400, Deduct</i>	-0.48	
		<i>For >400 To 600, Deduct</i>	-0.72	
		<i>For >600 To 900, Deduct</i>	-1.31	
		<i>For >900, Deduct</i>	-1.89	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0020	SY	65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	32.26	2.84
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.46	
		<i>For Up To 15, Add</i>	1.41	
		<i>For >15 To 33, Add</i>	0.71	
		<i>For >200 To 400, Deduct</i>	-0.50	
		<i>For >400 To 600, Deduct</i>	-0.76	
		<i>For >600 To 900, Deduct</i>	-1.37	
		<i>For >900, Deduct</i>	-1.98	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0021		Commercial Broadloom Carpet <small>(09 68 16)</small>		
		Note: Level-loop pile or textured-loop pile broadloom carpet.		
09 68 16 00-0022		Non-Patterned Broadloom Carpet <small>(09 68 16 00-0021)</small>		
09 68 16 00-0023	SY	22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	23.48	9.55
		<i>For Up To 15, Add</i>	1.27	
		<i>For >15 To 33, Add</i>	0.64	
		<i>For >200 To 400, Deduct</i>	-0.34	
		<i>For >400 To 600, Deduct</i>	-0.51	
		<i>For >600 To 900, Deduct</i>	-0.95	
		<i>For >900, Deduct</i>	-1.39	
		<i>For Moisture Barrier Backing, Add</i>	3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0024	SY	24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	23.48	9.55
		<i>For Up To 15, Add</i>	1.27	
		<i>For >15 To 33, Add</i>	0.64	
		<i>For >200 To 400, Deduct</i>	-0.34	
		<i>For >400 To 600, Deduct</i>	-0.51	
		<i>For >600 To 900, Deduct</i>	-0.95	
		<i>For >900, Deduct</i>	-1.39	
		<i>For Moisture Barrier Backing, Add</i>	3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0025	SY	26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	23.48	9.55
		<i>For Up To 15, Add</i>	1.27	
		<i>For >15 To 33, Add</i>	0.64	
		<i>For >200 To 400, Deduct</i>	-0.34	
		<i>For >400 To 600, Deduct</i>	-0.51	
		<i>For >600 To 900, Deduct</i>	-0.95	
		<i>For >900, Deduct</i>	-1.39	
		<i>For Moisture Barrier Backing, Add</i>	3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0026	SY	28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	25.45	10.35
		<i>For Up To 15, Add</i>	1.38	
		<i>For >15 To 33, Add</i>	0.69	
		<i>For >200 To 400, Deduct</i>	-0.37	
		<i>For >400 To 600, Deduct</i>	-0.56	
		<i>For >600 To 900, Deduct</i>	-1.03	
		<i>For >900, Deduct</i>	-1.51	
		<i>For Moisture Barrier Backing, Add</i>	3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0027	SY	30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	25.98	10.35
		<i>For Up To 15, Add</i>	1.38	
		<i>For >15 To 33, Add</i>	0.69	
		<i>For >200 To 400, Deduct</i>	-0.38	
		<i>For >400 To 600, Deduct</i>	-0.57	
		<i>For >600 To 900, Deduct</i>	-1.06	
		<i>For >900, Deduct</i>	-1.54	
		<i>For Cut Pile Carpet, Add</i>	1.50	
		<i>For Moisture Barrier Backing, Add</i>	3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	



	Finishes	09	
	Flooring	09 60	2
	Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0028	SY	32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	.....	26.07	10.35
		<i>For Up To 15, Add</i>		1.38	
		<i>For >15 To 33, Add</i>		0.69	
		<i>For >200 To 400, Deduct</i>		-0.38	
		<i>For >400 To 600, Deduct</i>		-0.58	
		<i>For >600 To 900, Deduct</i>		-1.06	
		<i>For >900, Deduct</i>		-1.55	
		<i>For Cut Pile Carpet, Add</i>		1.50	
		<i>For Moisture Barrier Backing, Add</i>		3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0029	SY	34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	.....	28.70	11.14
		<i>For Up To 15, Add</i>		1.49	
		<i>For >15 To 33, Add</i>		0.74	
		<i>For >200 To 400, Deduct</i>		-0.43	
		<i>For >400 To 600, Deduct</i>		-0.64	
		<i>For >600 To 900, Deduct</i>		-1.17	
		<i>For >900, Deduct</i>		-1.71	
		<i>For Cut Pile Carpet, Add</i>		1.50	
		<i>For Moisture Barrier Backing, Add</i>		3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0030	SY	36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	.....	29.07	11.14
		<i>For Up To 15, Add</i>		1.49	
		<i>For >15 To 33, Add</i>		0.74	
		<i>For >200 To 400, Deduct</i>		-0.43	
		<i>For >400 To 600, Deduct</i>		-0.65	
		<i>For >600 To 900, Deduct</i>		-1.19	
		<i>For >900, Deduct</i>		-1.74	
		<i>For Cut Pile Carpet, Add</i>		1.50	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>		2.00	
		<i>For Moisture Barrier Backing, Add</i>		3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0031	SY	38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	.....	29.53	11.14
		<i>For Up To 15, Add</i>		1.49	
		<i>For >15 To 33, Add</i>		0.74	
		<i>For >200 To 400, Deduct</i>		-0.44	
		<i>For >400 To 600, Deduct</i>		-0.66	
		<i>For >600 To 900, Deduct</i>		-1.22	
		<i>For >900, Deduct</i>		-1.77	
		<i>For Cut Pile Carpet, Add</i>		1.50	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>		2.00	
		<i>For Moisture Barrier Backing, Add</i>		3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0032		Patterned Broadloom Carpet			
		<small>(09 68 16 00-0021)</small>			
		<small>Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.</small>			
09 68 16 00-0033	SY	22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	.....	24.39	9.55
		<i>For Up To 15, Add</i>		1.40	
		<i>For >15 To 33, Add</i>		0.70	
		<i>For >200 To 400, Deduct</i>		-0.35	
		<i>For >400 To 600, Deduct</i>		-0.52	
		<i>For >600 To 900, Deduct</i>		-0.97	
		<i>For >900, Deduct</i>		-1.43	
		<i>For Moisture Barrier Backing, Add</i>		3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0034	SY	24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	.....	24.39	9.55
		<i>For Up To 15, Add</i>		1.40	
		<i>For >15 To 33, Add</i>		0.70	
		<i>For >200 To 400, Deduct</i>		-0.35	
		<i>For >400 To 600, Deduct</i>		-0.52	
		<i>For >600 To 900, Deduct</i>		-0.97	
		<i>For >900, Deduct</i>		-1.43	
		<i>For Moisture Barrier Backing, Add</i>		3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0035	SY	26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	.....	24.39	9.55
		<i>For Up To 15, Add</i>		1.40	
		<i>For >15 To 33, Add</i>		0.70	
		<i>For >200 To 400, Deduct</i>		-0.35	
		<i>For >400 To 600, Deduct</i>		-0.52	
		<i>For >600 To 900, Deduct</i>		-0.97	
		<i>For >900, Deduct</i>		-1.43	
		<i>For Moisture Barrier Backing, Add</i>		3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0036	SY	28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	.....	26.43	10.35
		<i>For Up To 15, Add</i>		1.52	
		<i>For >15 To 33, Add</i>		0.76	
		<i>For >200 To 400, Deduct</i>		-0.38	
		<i>For >400 To 600, Deduct</i>		-0.57	
		<i>For >600 To 900, Deduct</i>		-1.06	
		<i>For >900, Deduct</i>		-1.55	
		<i>For Moisture Barrier Backing, Add</i>		3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	

09 Finishes

09 60 Flooring

09 68 Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0037	SY		30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	26.96	10.35
			For Up To 15, Add	1.52	
			For >15 To 33, Add	0.76	
			For >200 To 400, Deduct	-0.39	
			For >400 To 600, Deduct	-0.58	
			For >600 To 900, Deduct	-1.08	
			For >900, Deduct	-1.58	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0038	SY		32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	27.06	10.35
			For Up To 15, Add	1.52	
			For >15 To 33, Add	0.76	
			For >200 To 400, Deduct	-0.39	
			For >400 To 600, Deduct	-0.58	
			For >600 To 900, Deduct	-1.09	
			For >900, Deduct	-1.59	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0039	SY		34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	29.75	11.14
			For Up To 15, Add	1.63	
			For >15 To 33, Add	0.82	
			For >200 To 400, Deduct	-0.43	
			For >400 To 600, Deduct	-0.65	
			For >600 To 900, Deduct	-1.20	
			For >900, Deduct	-1.76	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0040	SY		36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	30.14	11.14
			For Up To 15, Add	1.63	
			For >15 To 33, Add	0.82	
			For >200 To 400, Deduct	-0.44	
			For >400 To 600, Deduct	-0.66	
			For >600 To 900, Deduct	-1.22	
			For >900, Deduct	-1.78	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0041	SY		38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	30.61	11.14
			For Up To 15, Add	1.63	
			For >15 To 33, Add	0.82	
			For >200 To 400, Deduct	-0.45	
			For >400 To 600, Deduct	-0.67	
			For >600 To 900, Deduct	-1.24	
			For >900, Deduct	-1.82	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0042			Indoor/Outdoor Carpet (09 68 16) Note: Includes waterproof glue.		
09 68 16 00-0043	SY		Nylon Indoor/Outdoor Carpet.....	25.57	1.94
09 68 16 00-0044	SY		Ozite Indoor/Outdoor Carpet.....	20.19	1.94
09 68 16 00-0045			Carpet Accessories (09 68 16)		
09 68 16 00-0046	LF		Metal Carpet Saddle Strip, Up To 4" Wide.....	2.15	0.26
09 68 16 00-0047			Removal And Reinstallation Of Carpet And Pad (09 68 16) Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0048	SY		Removal And Reinstallation Of Carpet And Pad.....	13.46	
09 68 16 00-0049			Carpeting Support Functions (09 68 16)		
09 68 16 00-0050			Relocate Partitions, Modular Work Stations (09 68 16 00-0049) Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0051	EA		Relocate Modular Work Station	91.11	
09 68 16 00-0052			Installation Of Owner Provided Broadloom Carpet (09 68 16)		
09 68 16 00-0053	SY		Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet.....	5.76	
			Note: Includes adhesive for glue-down or tack strip for padded installations.		
			For Up To 15, Add	1.11	
			For >15 To 33, Add	0.55	
09 68 16 00-0054	SY		>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet.....	6.68	
			Note: Includes adhesive for glue-down or tack strip for padded installations.		
			For Up To 15, Add	1.29	
			For >15 To 33, Add	0.65	
09 68 16 00-0055	SY		>34 Oz, Installation Of Owner Provided Broadloom Carpet.....	7.97	
			Note: Includes adhesive for glue-down or tack strip for padded installations.		
			For Up To 15, Add	1.55	
			For >15 To 33, Add	0.78	



	Finishes	09	
	Flooring	09 60	2
	Carpeting	09 68	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 69 Access Flooring (09 60)

09 69 13 Rigid-Grid Access Flooring (09 69)

09 69 13 00-0001 Panels, No Covering (09 69 13)

09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors.....	9.57	0.26
		<i>For Carpet Covering, Add</i>	2.77	
		<i>For Vinyl Floor Covering, Add</i>	1.91	
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors	18.64	0.26
		<i>For Carpet Covering, Add</i>	2.77	
		<i>For Vinyl Floor Covering, Add</i>	1.91	
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	17.31	0.28
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	17.31	0.28
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808.....	17.31	0.28
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280.....	17.31	0.28
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim.....	16.33	0.28
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim.....	16.33	0.28
09 69 13 00-0010	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	18.54	0.28
09 69 13 00-0011	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	18.54	0.28
09 69 13 00-0012	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Moodance 6808.....	18.54	0.28
09 69 13 00-0013	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280.....	18.54	0.28
09 69 13 00-0014	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim.....	17.56	0.28
09 69 13 00-0015	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim.....	17.56	0.28
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim.....	22.44	0.28
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim.....	22.44	0.28

09 69 13 00-0018 Pedestals (09 69 13)

09 69 13 00-0019	EA	6" To 12" Finished Floor Height, Pedestal Assembly.....	17.38	1.30
09 69 13 00-0020	EA	8" To 12" Finished Floor Height, Pedestal Assembly.....	16.01	0.39
09 69 13 00-0021	EA	18" To 24" Finished Floor Height, Pedestal Assembly.....	16.62	0.39
09 69 13 00-0022	EA	30" To 36" Finished Floor Height, Pedestal Assembly.....	18.98	1.30

09 69 13 00-0023 Stringers (09 69 13)

09 69 13 00-0024	EA	2' Bolted Stringers, Access And Pedestal Floors.....	7.31	1.56
09 69 13 00-0025	EA	4' Bolted Stringers, Access And Pedestal Floors.....	13.65	2.34
09 69 13 00-0026	EA	6' Bolted Stringers, Access And Pedestal Floors.....	21.08	3.90

09 69 13 00-0027 Understructure (09 69 13)

09 69 13 00-0028	SF	Standard Bolted Stringer Understructure 8" Or 12" Finished Floor Height.....	3.13	0.39
09 69 13 00-0029	SF	Standard Bolted Stringer Understructure 18" Or 24" Finished Floor Height.....	3.41	0.39
09 69 13 00-0030	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height.....	4.03	0.39

09 69 53 Access Flooring Accessories (09 69)

09 69 53 00-0001 Accessories (09 69 53)

09 69 53 00-0002	SF	Accessories, Ramp Assembly Access And Pedestal Floors.....	20.48	1.04
09 69 53 00-0003	LF	Accessories, Handrail Access And Pedestal Floors.....	32.89	1.83
09 69 53 00-0004	LF	Accessories, Fascia Plate Access And Pedestal Floors.....	10.73	1.83
09 69 53 00-0005	EA	Machine Cutouts.....	94.21	
09 69 53 00-0006	SF	Tate Tamp, Cover Step Master Slip Retard- Tile, Buckskin Or Slate.....	35.54	
09 69 53 00-0007	LF	Tate 2 Or 3 Riser Steps In Raised Floor System.....	88.04	0.13
		Note: Includes baffles, fascia plates trim and cover.		
09 69 53 00-0008	LF	Tate Handrail.....	68.23	0.86
09 69 53 00-0009	SF	Hammered Aluminum Finish Fascia.....	22.63	0.86
		Note: Includes trim angles and hardware (8", 12", 18", 24").		
09 69 53 00-0010	EA	7" x 17" Lexan Floor Mounted Grille.....	104.95	3.26
		Note: Includes carpet trim to flush mount.		
09 69 53 00-0011	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material.....	18.12	
09 69 53 00-0012	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003).....	18.12	
09 69 53 00-0013	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New UTP Carpet.....	32.72	0.52
09 69 53 00-0014	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New HPL.....	40.69	0.52
09 69 53 00-0015	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL/WA Edge Trim.....	30.52	0.52
09 69 53 00-0016	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL Top set Trim Edge.....	40.69	0.52
09 69 53 00-0017	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4.....	103.48	3.26
09 69 53 00-0018	EA	Flush Mounted Telephone Box (Grey/Black/Communications).....	68.42	3.26
		Note: Includes cut hole.		
09 69 53 00-0019	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4.....	103.48	3.26
09 69 53 00-0020	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2.....	58.00	0.52
09 69 53 00-0021	EA	Remove Flush Mounted Electrical, Telephone Or Communications Floor Box In Raised Floor.....	2.60	

09 69 53 00-0022 Final Cleaning For Computer Room Raised Floor System (09 69 53)

		Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0023	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor.....	1.05	
09 69 53 00-0024	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath.....	1.12	
09 69 53 00-0025	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor.....	1.10	



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 70 Wall Finishes (09)

09 72 Wall Coverings (09 70)

09 72 13 Cork Wall Coverings (09 72)

09 72 13 00-0001 Cork Wall Covering (09 72 13)

09 72 13 00-0002	SF	1/8" Cork Wall Covering.....	2.25	0.30
09 72 13 00-0003	SF	1/4" Cork Wall Covering.....	3.07	0.30
09 72 13 00-0004	SF	1/2" Cork Wall Covering.....	3.73	0.30
09 72 13 00-0005	SF	3/4" Cork Wall Covering.....	5.65	0.30

09 72 16 Vinyl-Coated Fabric Wall Coverings (09 72)

09 72 16 00-0001 Vinyl Wall Coverings (09 72 16)

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 16 00-0002	SF	Vinyl Wall Covering, 7-10 Oz/SY	1.00	0.30
		<i>For Owner Furnished Material, Deduct</i>	-0.53	
09 72 16 00-0003	SF	Vinyl Wall Covering, 11-14 Oz/SY	1.27	0.30
		<i>For Owner Furnished Material, Deduct</i>	-0.77	
09 72 16 00-0004	SF	Vinyl Wall Covering, 20-25 Oz/SY	1.74	0.30
		<i>For Owner Furnished Material, Deduct</i>	-1.11	
09 72 16 00-0005	SF	Vinyl Wall Covering, 26-32 Oz/SY	2.00	0.30
		<i>For Owner Furnished Material, Deduct</i>	-1.35	
09 72 16 00-0006	SF	Vinyl Wall Covering, 33-38 Oz/SY	2.58	0.30
		<i>For Owner Furnished Material, Deduct</i>	-1.90	

09 72 19 Textile Wall Coverings (09 72)

09 72 19 00-0001 Wall Fabrics (09 72 19)

09 72 19 00-0002	SF	Wall Covering, Natural Fabric, Grass Cloth	2.84	0.30
09 72 19 00-0003	SF	Wall Covering, Grass Cloth.....	3.17	0.30
09 72 19 00-0004	SF	Wall Covering, Burlap.....	2.27	0.30
09 72 19 00-0005	SF	Flexible Gypsum Coated Wall Fabric, Fire Resistant.....	2.21	0.30
09 72 19 00-0006	SF	Acoustical Wall Cover.....	3.24	0.30

09 72 19 00-0007 Natural Fiber Resilient Wallcovering (09 72 19)

09 72 19 00-0008	SY	Sisal Wall Covering - 48 To 54 Oz/SY With Adhesive (4', 8', 12' Widths)	49.52	1.83
		<i>For Fire Rated Adhesive, UBC 42-2, Add</i>	0.11	

09 72 23 Wallpapering (09 72)

09 72 23 00-0001 Wallpaper Coverings (09 72 23)

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 23 00-0002	SF	Average Quality Wallpaper (Standard Grade)	1.20	0.40
09 72 23 00-0003	SF	High Quality Wallpaper (Designer Grade).....	2.19	0.51
09 72 23 00-0004	SF	Ceiling Paper	1.62	0.75

09 73 Wall Carpeting (09 70)

09 73 00 00-0001 Carpet Wall Covering (09 73)

09 73 00 00-0002	SY	Nylon 28 Oz Carpet Wall Covering	18.88	3.90
09 73 00 00-0003	SY	Nylon 32 Oz Carpet Wall Covering	19.56	3.90
09 73 00 00-0004	SY	Nylon 34 Oz Carpet Wall Covering	20.99	4.30
09 73 00 00-0005	SY	Nylon 35 Oz Carpet Wall Covering	22.19	4.56
09 73 00 00-0006	SY	Nylon 36 Oz Carpet Wall Covering	23.44	4.82
09 73 00 00-0007	SY	Nylon 38 Oz Carpet Wall Covering	24.25	4.82
09 73 00 00-0008	SY	Nylon 40 Oz Carpet Wall Covering	25.40	4.94
09 73 00 00-0009	SY	Nylon 42 Oz Carpet Wall Covering	26.68	5.07

09 74 Flexible Wood Sheets (09 70)

09 74 16 Flexible Wood Veneers (09 74)

09 74 16 00-0001 Walnut (09 74 16)

09 74 16 00-0002	SF	Walnut 1/32 In Thick Flexible Wood Veneer.....	4.31	1.21
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09 74 16 00-0003 Exotic Wood (09 74 16)

09 74 16 00-0004	SF	Exotic Wood 1/32 Thick, Flexible Wood Veneer	6.44	1.21
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09 80 Acoustic Treatment (09)

09 81 Acoustic Insulation (09 80)



		Finishes	09
		Acoustic Treatment	09 80
		Acoustic Insulation	09 81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 81 16 Acoustic Blanket Insulation (09 81)

09 81 16 00-0001			Sound Attenuation Fire Blankets (SAFB) (09 81 16)		
09 81 16 00-0002			2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)		
09 81 16 00-0003	SF		1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	0.81	0.12
09 81 16 00-0004	SF		2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	0.89	0.12
09 81 16 00-0005	SF		2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.02	0.12
09 81 16 00-0006	SF		3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.12	0.12
09 81 16 00-0007	SF		3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.24	0.12
09 81 16 00-0008	SF		4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.36	0.12
09 81 16 00-0009	SF		5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.52	0.12
09 81 16 00-0010	SF		6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.70	0.12
09 81 16 00-0011			4 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)		
09 81 16 00-0012	SF		1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	0.78	0.12
09 81 16 00-0013			Sound Attenuation Batts (09 81 16)		
			Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.		
09 81 16 00-0014	SF		2-1/2" Thick, Unfaced Sound Attenuation Batt.....	0.50	0.15
09 81 16 00-0015	SF		3-1/2" Thick, Unfaced Sound Attenuation Batt.....	0.55	0.15
09 81 16 00-0016	SF		3-1/2" Thick, Kraft Faced Sound Attenuation Batt	0.58	0.15
09 81 16 00-0017	SF		5-1/2" Thick, Unfaced Sound Attenuation Batt.....	0.67	0.15
09 81 16 00-0018	SF		5-1/2" Thick, Kraft Faced Sound Attenuation Batt	0.70	0.15
09 81 16 00-0019	SF		6-1/4" Thick, Unfaced Sound Attenuation Batt.....	0.69	0.15
09 81 16 00-0020	SF		6-1/4" Thick, Kraft Faced Sound Attenuation Batt	0.72	0.15

09 84 Acoustic Room Components (09 80)

09 84 13 Fixed Sound-Absorptive Panels (09 84)

09 84 13 00-0001			Sound Absorbing Panels And Attenuation Blankets (09 84 13)		
			Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 22 13 00-0000 for furring, 09 53 23 00-0000 for suspended ceiling support.		
09 84 13 00-0002	SF		3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	6.60	0.78
09 84 13 00-0003	SF		1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	10.16	0.78
09 84 13 00-0004			Sound Absorbing Acoustical Wall Panel System (09 84 13)		
			See CSI section 06 11 16 00-0173 for wood furring.		
09 84 13 00-0005			Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) (09 84 13 00-0004)		
			Note: Includes tackable surface, molding and mounting hardware for flush mount.		
09 84 13 00-0006	SF		5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	6.94	0.87
09 84 13 00-0007	SF		3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	6.33	0.87
09 84 13 00-0008	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	8.27	0.87
09 84 13 00-0009	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	8.28	0.87
09 84 13 00-0010	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	9.26	0.87
09 84 13 00-0011	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	9.26	0.87
09 84 13 00-0012			Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) (09 84 13 00-0004)		
			Note: Includes molding and mounting hardware for flush mount.		
09 84 13 00-0013	SF		1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)	8.29	0.87
09 84 13 00-0014	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)	9.89	0.87
09 84 13 00-0015	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	9.89	0.87
09 84 13 00-0016	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)	11.48	0.87
09 84 13 00-0017	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)	11.48	0.87
09 84 13 00-0018			Sound Absorbing Panel, Eggcrate Style (09 84 13)		
			Note: Ceiling or wall hung back.		
09 84 13 00-0019	SF		2" Thick Polyurethane Sound Wave (Eggcrate Style).....	5.25	
			For Pyramid Style, Add	1.18	
09 84 13 00-0020	SF		3" Thick Polyurethane Sound Wave (Eggcrate Style).....	7.40	
			For Pyramid Style, Add	1.18	
09 84 13 00-0021	SF		4" Thick Polyurethane Sound Wave (Eggcrate Style).....	10.28	
			For Pyramid Style, Add	1.18	

09 Finishes**09 80 Acoustic Treatment****09 84 Acoustic Room Components**
 MINOR
 CSI UOM DESCRIPTION

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09 84 13 00-0022	SF	2" Thick Melamine Sound Wave (Eggcrate Style)	7.59	
		<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
		<i>For Pyramid Style, Add</i>	2.05	
		<i>For Pyramid Style With Hypalon Coating, Add</i>	4.02	
09 84 13 00-0023	SF	3" Thick Melamine Sound Wave (Eggcrate Style)	14.62	
		<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
		<i>For Pyramid Style, Add</i>	0.42	
		<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	
09 84 13 00-0024	SF	4" Thick Melamine Sound Wave (Eggcrate Style)	19.06	
		<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
		<i>For Pyramid Style, Add</i>	0.42	
		<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	

09 85 Acoustic Sound Deadening (09 80)**09 85 00 00-0001 Sound Deadening Fiberboard** (09 85)

09 85 00 00-0002	SF	1/2" Sound Deadening Fiberboard	0.74	0.19
		<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.18	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.12	
		<i>For Horizontal Installation >10' High, Add</i>	0.18	
		<i>For Walls >10' High, Add</i>	0.03	
		<i>For Up To 128, Add</i>	0.22	
		<i>For >128 To 320, Add</i>	0.13	

09 90 Painting And Coating (09)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required.

09 91 Painting (09 90)**09 91 13 Exterior Painting** (09 91)

Note: Acrylic latex paint unless otherwise stated.

09 91 13 00-0001 Paint Exterior Walls/Siding (09 91 13)**09 91 13 00-0002 Paint Exterior Brick Walls** (09 91 13 00-0001)

09 91 13 00-0003	SF	Paint Exterior Brick Walls, 1 Coat Filler, Brush Work	0.41	
		<i>For Oil Based Paint, Add</i>	0.03	
		<i>For Work >20', Add</i>	0.07	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Up To 100, Add</i>	0.22	
		<i>For >100 To 250, Add</i>	0.11	
		<i>For >250 To 500, Add</i>	0.05	
		<i>For >2,500 To 5,000, Deduct</i>	-0.02	
		<i>For >5,000 To 10,000, Deduct</i>	-0.04	
		<i>For >10,000 To 20,000, Deduct</i>	-0.06	
		<i>For >20,000, Deduct</i>	-0.08	
09 91 13 00-0004	SF	Paint Exterior Brick Walls, 1 Coat Paint, Brush Work	0.56	
		<i>For Oil Based Paint, Add</i>	0.04	
		<i>For Work >20', Add</i>	0.10	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Up To 100, Add</i>	0.32	
		<i>For >100 To 250, Add</i>	0.16	
		<i>For >250 To 500, Add</i>	0.07	
		<i>For >2,500 To 5,000, Deduct</i>	-0.03	
		<i>For >5,000 To 10,000, Deduct</i>	-0.06	
		<i>For >10,000 To 20,000, Deduct</i>	-0.08	
		<i>For >20,000, Deduct</i>	-0.11	
09 91 13 00-0005	SF	Paint Exterior Brick Walls, 2 Coats Paint, Brush Work	0.87	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Work >20', Add</i>	0.14	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Up To 100, Add</i>	0.46	
		<i>For >100 To 250, Add</i>	0.22	
		<i>For >250 To 500, Add</i>	0.10	
		<i>For >2,500 To 5,000, Deduct</i>	-0.04	
		<i>For >5,000 To 10,000, Deduct</i>	-0.09	
		<i>For >10,000 To 20,000, Deduct</i>	-0.13	
		<i>For >20,000, Deduct</i>	-0.17	
09 91 13 00-0006	SF	Paint Exterior Brick Walls, 1 Coat Filler, Brush/Roller Work	0.30	
		<i>For Oil Based Paint, Add</i>	0.02	
		<i>For Work >20', Add</i>	0.04	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Up To 100, Add</i>	0.14	
		<i>For >100 To 250, Add</i>	0.07	
		<i>For >250 To 500, Add</i>	0.03	
		<i>For >2,500 To 5,000, Deduct</i>	-0.02	
		<i>For >5,000 To 10,000, Deduct</i>	-0.03	
		<i>For >10,000 To 20,000, Deduct</i>	-0.05	
		<i>For >20,000, Deduct</i>	-0.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0007	SF	Paint Exterior Brick Walls, 1 Coat Paint, Brush/Roller Work.....	0.49	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91	13 00-0008	SF	Paint Exterior Brick Walls, 2 Coats Paint, Brush/Roller Work.....	0.75	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91	13 00-0009	SF	Paint Exterior Brick Walls, 1 Coat Filler, Sprayed.....	0.33	
			For Oil Based Paint, Add	0.02	
			For Work >20', Add	0.04	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91	13 00-0010	SF	Paint Exterior Brick Walls, 1 Coat Paint, Sprayed.....	0.37	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.04	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.07	
09 91	13 00-0011	SF	Paint Exterior Brick Walls, 2 Coats Paint, Sprayed.....	0.74	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91	13 00-0012		Paint Exterior Concrete Walls (09 91 13 00-0001).....	0.34	
09 91	13 00-0013	SF	Paint Exterior Concrete Walls, 1 Coat Filler, Brush Work.....	0.34	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91	13 00-0014	SF	Paint Exterior Concrete Walls, 1 Coat Paint, Brush Work.....	0.36	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0015	SF		Paint Exterior Concrete Walls, 2 Coats Paint, Brush Work.....	0.67	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.09	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0016	SF		Paint Exterior Concrete Walls, 1 Coat Filler, Brush/Roller Work.....	0.28	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.04	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.06	
09 91 13 00-0017	SF		Paint Exterior Concrete Walls, 1 Coat Paint, Brush/Roller Work.....	0.31	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.04	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91 13 00-0018	SF		Paint Exterior Concrete Walls, 2 Coats Paint, Brush/Roller Work.....	0.53	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0019	SF		Paint Exterior Concrete Walls, 1 Coat Filler, Sprayed.....	0.30	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.04	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91 13 00-0020	SF		Paint Exterior Concrete Walls, 1 Coat Paint, Sprayed.....	0.27	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.04	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.05	
09 91 13 00-0021	SF		Paint Exterior Concrete Walls, 2 Coats Paint, Sprayed.....	0.49	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.09	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	

09 91 13 00-0022 Paint Exterior Concrete Block Walls (09 91 13 00-0001)

09 91 13 00-0023 Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0022)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0024 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work	0.51	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0025 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush	0.57	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0026 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work	1.02	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0027 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work	0.44	
For Work >20', Add	0.06	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0028 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work	0.48	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 13 00-0029 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work	0.86	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0030 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed	0.42	
For Work >20', Add	0.04	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.17	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0031 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed	0.46	
For Work >20', Add	0.05	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0032 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed	0.91	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0033	Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0022)	
09 91 13 00-0034	SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush Work	0.44
	For Oil Based Paint, Add	0.03
	For Work >20', Add	0.08
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.25
	For >100 To 250, Add	0.12
	For >250 To 500, Add	0.05
	For >2,500 To 5,000, Deduct	-0.02
	For >5,000 To 10,000, Deduct	-0.04
	For >10,000 To 20,000, Deduct	-0.07
	For >20,000, Deduct	-0.09
09 91 13 00-0035	SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush Work	0.53
	For Oil Based Paint, Add	0.04
	For Work >20', Add	0.09
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.29
	For >100 To 250, Add	0.14
	For >250 To 500, Add	0.06
	For >2,500 To 5,000, Deduct	-0.03
	For >5,000 To 10,000, Deduct	-0.05
	For >10,000 To 20,000, Deduct	-0.08
	For >20,000, Deduct	-0.11
09 91 13 00-0036	SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush Work	0.99
	For Oil Based Paint, Add	0.07
	For Work >20', Add	0.16
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.52
	For >100 To 250, Add	0.25
	For >250 To 500, Add	0.11
	For >2,500 To 5,000, Deduct	-0.05
	For >5,000 To 10,000, Deduct	-0.10
	For >10,000 To 20,000, Deduct	-0.15
	For >20,000, Deduct	-0.20
09 91 13 00-0037	SF Paint Exterior Concrete Block Walls, Texture Coat, Brush Work	0.59
	For Oil Based Paint, Add	0.04
	For Work >20', Add	0.10
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.32
	For >100 To 250, Add	0.15
	For >250 To 500, Add	0.07
	For >2,500 To 5,000, Deduct	-0.03
	For >5,000 To 10,000, Deduct	-0.06
	For >10,000 To 20,000, Deduct	-0.09
	For >20,000, Deduct	-0.12
09 91 13 00-0038	SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work	0.37
	For Oil Based Paint, Add	0.03
	For Work >20', Add	0.06
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.19
	For >100 To 250, Add	0.09
	For >250 To 500, Add	0.04
	For >2,500 To 5,000, Deduct	-0.02
	For >5,000 To 10,000, Deduct	-0.04
	For >10,000 To 20,000, Deduct	-0.06
	For >20,000, Deduct	-0.07
09 91 13 00-0039	SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work	0.46
	For Oil Based Paint, Add	0.03
	For Work >20', Add	0.07
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.24
	For >100 To 250, Add	0.12
	For >250 To 500, Add	0.05
	For >2,500 To 5,000, Deduct	-0.02
	For >5,000 To 10,000, Deduct	-0.05
	For >10,000 To 20,000, Deduct	-0.07
	For >20,000, Deduct	-0.09
09 91 13 00-0040	SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work	0.83
	For Oil Based Paint, Add	0.06
	For Work >20', Add	0.12
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.40
	For >100 To 250, Add	0.20
	For >250 To 500, Add	0.09
	For >2,500 To 5,000, Deduct	-0.04
	For >5,000 To 10,000, Deduct	-0.08
	For >10,000 To 20,000, Deduct	-0.12
	For >20,000, Deduct	-0.17
09 91 13 00-0041	SF Paint Exterior Concrete Block Walls, Texture Coat, Brush/Roller Work	0.53
	For Oil Based Paint, Add	0.04
	For Work >20', Add	0.08
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.27
	For >100 To 250, Add	0.13
	For >250 To 500, Add	0.06
	For >2,500 To 5,000, Deduct	-0.03
	For >5,000 To 10,000, Deduct	-0.05
	For >10,000 To 20,000, Deduct	-0.08
	For >20,000, Deduct	-0.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0042 SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Sprayed.....	0.41	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.06	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0043 SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Sprayed.....	0.45	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.06	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0044 SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Sprayed.....	0.67	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0045 SF Paint Exterior Concrete Block Walls, Texture Coat, Sprayed.....	0.57	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0046 Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)		
09 91 13 00-0047 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Brush Work.....	0.35	
For Oil Based Paint, Add	0.02	
For Orange Peel Finish, Add	0.05	
For Work >20', Add	0.06	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0048 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Brush Work.....	0.37	
For Oil Based Paint, Add	0.02	
For Orange Peel Finish, Add	0.05	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.07	
09 91 13 00-0049 SF Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Brush Work.....	0.67	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.09	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	

09 Finishes

09 90 Painting And Coating

09 91 Painting


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0050	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Brush/Roller Work.....	0.28
		For Oil Based Paint, Add	0.02
		For Orange Peel Finish, Add	0.03
		For Work >20', Add	0.04
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.14
		For >100 To 250, Add	0.07
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.04
		For >20,000, Deduct	-0.06
09 91 13 00-0051	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Brush/Roller Work	0.28
		For Oil Based Paint, Add	0.02
		For Orange Peel Finish, Add	0.04
		For Work >20', Add	0.05
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.16
		For >100 To 250, Add	0.08
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.04
		For >20,000, Deduct	-0.06
09 91 13 00-0052	SF	Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Brush/Roller Work	0.52
		For Oil Based Paint, Add	0.04
		For Orange Peel Finish, Add	0.07
		For Work >20', Add	0.09
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.28
		For >100 To 250, Add	0.14
		For >250 To 500, Add	0.06
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 20,000, Deduct	-0.08
		For >20,000, Deduct	-0.10
09 91 13 00-0053	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Sprayed	0.30
		For Oil Based Paint, Add	0.02
		For Work >20', Add	0.04
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.14
		For >100 To 250, Add	0.07
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.05
		For >20,000, Deduct	-0.06
09 91 13 00-0054	SF	Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Sprayed.....	0.31
		For Oil Based Paint, Add	0.02
		For Work >20', Add	0.05
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.17
		For >100 To 250, Add	0.08
		For >250 To 500, Add	0.04
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.05
		For >20,000, Deduct	-0.06
09 91 13 00-0055	SF	Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Sprayed.....	0.52
		For Oil Based Paint, Add	0.04
		For Work >20', Add	0.07
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.25
		For >100 To 250, Add	0.12
		For >250 To 500, Add	0.06
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 20,000, Deduct	-0.08
		For >20,000, Deduct	-0.10

09 91 13 00-0056 Paint Exterior Metal Walls (09 91 13 00-0001)

09 91 13 00-0057 Paint Exterior Galvanized Walls (09 91 13 00-0056)

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0058	SF	Paint Exterior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work.....	0.43
		For Work >20', Add	0.07
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.23
		For >100 To 250, Add	0.11
		For >250 To 500, Add	0.05
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 20,000, Deduct	-0.06
		For >20,000, Deduct	-0.09



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0059	SF	Paint Exterior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work.....	0.47	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91	13 00-0060	SF	Paint Exterior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work.....	0.87	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91	13 00-0061	SF	Paint Exterior Galvanized Walls, 1 Coat Primer, Brush/Roller Work.....	0.33	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91	13 00-0062	SF	Paint Exterior Galvanized Walls, 1 Coat Paint, Brush/Roller Work.....	0.38	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	13 00-0063	SF	Paint Exterior Galvanized Walls, 2 Coats Paint, Brush/Roller Work.....	0.70	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91	13 00-0064	SF	Paint Exterior Galvanized Walls, 1 Coat Primer, Sprayed.....	0.33	
			For Work >20', Add	0.04	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91	13 00-0065	SF	Paint Exterior Galvanized Walls, 1 Coat Paint, Sprayed.....	0.41	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	13 00-0066	SF	Paint Exterior Galvanized Walls, 2 Coats Paint, Sprayed.....	0.71	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91	13 00-0067		Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0056)		
			Note: Alkyd enamel paint.		

09 Finishes

09 90 Painting And Coating

09 91 Painting


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0068	SF	Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work.....	0.43
		For Work >20', Add	0.07
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.23
		For >100 To 250, Add	0.11
		For >250 To 500, Add	0.05
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 20,000, Deduct	-0.06
		For >20,000, Deduct	-0.09
09 91 13 00-0069	SF	Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work	0.47
		For Work >20', Add	0.08
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.26
		For >100 To 250, Add	0.12
		For >250 To 500, Add	0.05
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 20,000, Deduct	-0.07
		For >20,000, Deduct	-0.09
09 91 13 00-0070	SF	Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work	0.87
		For Work >20', Add	0.14
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.46
		For >100 To 250, Add	0.22
		For >250 To 500, Add	0.10
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.09
		For >10,000 To 20,000, Deduct	-0.13
		For >20,000, Deduct	-0.17
09 91 13 00-0071	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work.....	0.38
		For Work >20', Add	0.05
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.18
		For >100 To 250, Add	0.09
		For >250 To 500, Add	0.04
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 20,000, Deduct	-0.06
		For >20,000, Deduct	-0.08
09 91 13 00-0072	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work	0.42
		For Work >20', Add	0.06
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.21
		For >100 To 250, Add	0.10
		For >250 To 500, Add	0.05
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 20,000, Deduct	-0.06
		For >20,000, Deduct	-0.08
09 91 13 00-0073	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work	0.79
		For Work >20', Add	0.11
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.37
		For >100 To 250, Add	0.18
		For >250 To 500, Add	0.08
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000 To 20,000, Deduct	-0.12
		For >20,000, Deduct	-0.16
09 91 13 00-0074	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed	0.35
		For Work >20', Add	0.04
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.15
		For >100 To 250, Add	0.08
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 20,000, Deduct	-0.05
		For >20,000, Deduct	-0.07
09 91 13 00-0075	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed.....	0.41
		For Work >20', Add	0.06
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.20
		For >100 To 250, Add	0.10
		For >250 To 500, Add	0.04
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 20,000, Deduct	-0.06
		For >20,000, Deduct	-0.08
09 91 13 00-0076	SF	Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed.....	0.71
		For Work >20', Add	0.09
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.31
		For >100 To 250, Add	0.16
		For >250 To 500, Add	0.07
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.11
		For >20,000, Deduct	-0.14



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0077			Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0056)		
09 91 13 00-0078	LF		Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Primer, Per LF Of Stack 6.12		
			For Work >20', Add 1.30		
			Note: Applied only to work area above 20'.		
			For Up To 100, Add 4.04		
			For >100 To 250, Add 1.91		
			For >250 To 500, Add 0.83		
			For >2,500 To 5,000, Deduct -0.31		
			For >5,000 To 10,000, Deduct -0.61		
			For >10,000 To 20,000, Deduct -0.92		
			For >20,000, Deduct -1.22		
09 91 13 00-0079	LF		Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Paint, Per LF Of Stack 6.81		
			For Work >20', Add 1.45		
			Note: Applied only to work area above 20'.		
			For Up To 100, Add 4.49		
			For >100 To 250, Add 2.13		
			For >250 To 500, Add 0.92		
			For >2,500 To 5,000, Deduct -0.34		
			For >5,000 To 10,000, Deduct -0.68		
			For >10,000 To 20,000, Deduct -1.02		
			For >20,000, Deduct -1.36		
09 91 13 00-0080	LF		Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 2 Coats Paint, Per LF Of Stack 12.71		
			For Work >20', Add 2.72		
			Note: Applied only to work area above 20'.		
			For Up To 100, Add 8.43		
			For >100 To 250, Add 3.99		
			For >250 To 500, Add 1.72		
			For >2,500 To 5,000, Deduct -0.64		
			For >5,000 To 10,000, Deduct -1.27		
			For >10,000 To 20,000, Deduct -1.91		
			For >20,000, Deduct -2.54		
09 91 13 00-0081			Paint Exterior Corrugated Metal Walls (09 91 13 00-0056)		
09 91 13 00-0082	SF		Paint Exterior Corrugated Metal Walls, 1 Coat Primer, Sprayed..... 0.41		
			For Work >20', Add 0.05		
			Note: Applied only to work area above 20'.		
			For Up To 100, Add 0.18		
			For >100 To 250, Add 0.09		
			For >250 To 500, Add 0.04		
			For >2,500 To 5,000, Deduct -0.02		
			For >5,000 To 10,000, Deduct -0.04		
			For >10,000 To 20,000, Deduct -0.06		
			For >20,000, Deduct -0.08		
09 91 13 00-0083	SF		Paint Exterior Corrugated Metal Walls, 1 Coat Paint, Sprayed..... 0.52		
			For Work >20', Add 0.08		
			Note: Applied only to work area above 20'.		
			For Up To 100, Add 0.26		
			For >100 To 250, Add 0.13		
			For >250 To 500, Add 0.06		
			For >2,500 To 5,000, Deduct -0.03		
			For >5,000 To 10,000, Deduct -0.05		
			For >10,000 To 20,000, Deduct -0.08		
			For >20,000, Deduct -0.10		
09 91 13 00-0084	SF		Paint Exterior Corrugated Metal Walls, 2 Coats Paint, Sprayed 0.88		
			For Work >20', Add 0.12		
			Note: Applied only to work area above 20'.		
			For Up To 100, Add 0.41		
			For >100 To 250, Add 0.20		
			For >250 To 500, Add 0.09		
			For >2,500 To 5,000, Deduct -0.04		
			For >5,000 To 10,000, Deduct -0.09		
			For >10,000 To 20,000, Deduct -0.13		
			For >20,000, Deduct -0.18		
09 91 13 00-0085			Paint Exterior Stucco Walls (09 91 13 00-0001)		
09 91 13 00-0086	SF		Paint Exterior Stucco Wall Surfaces 1 Coat Primer, Brush Work..... 0.56		
			For Oil Based Paint, Add 0.04		
			For Work >20', Add 0.11		
			Note: Applied only to work area above 20'.		
			For Up To 100, Add 0.34		
			For >100 To 250, Add 0.16		
			For >250 To 500, Add 0.07		
			For >2,500 To 5,000, Deduct -0.03		
			For >5,000 To 10,000, Deduct -0.06		
			For >10,000 To 20,000, Deduct -0.08		
			For >20,000, Deduct -0.11		

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0087	SF		Paint Exterior Stucco Wall Surfaces 1 Coat Paint, Brush Work.....	0.62	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0088	SF		Paint Exterior Stucco Wall Surfaces, 2 Coats Paint, Brush Work.....	1.16	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0089	SF		Paint Exterior Stucco Walls, 1 Coat Primer, Brush/Roller Work.....	0.45	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0090	SF		Paint Exterior Stucco Walls, 1 Coat Paint, Brush/Roller Work.....	0.50	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0091	SF		Paint Exterior Stucco Walls, 2 Coats Paint, Brush/Roller Work.....	0.94	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0092	SF		Paint Exterior Stucco Walls, 1 Coat Primer, Sprayed.....	0.40	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 13 00-0093	SF		Paint Exterior Stucco Walls, 1 Coat Paint, Sprayed.....	0.50	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0094	SF		Paint Exterior Stucco Walls, 2 Coats Paint, Sprayed.....	0.96	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	

09 91 13 00-0095 Paint Exterior Wood Siding (09 91 13 00-0001)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0096		Paint Exterior Smooth Wood Siding <small>(09 91 13 00-0096)</small>		
			Note: Includes tongue and groove, beveled, drop or board and batten siding.		
	09 91 13 00-0097	SF	Paint Exterior Wood Smooth Siding, 1 Coat Primer, Brush Work.....	0.44	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
	09 91 13 00-0098	SF	Paint Exterior Wood Smooth Siding, 1 Coat Paint, Brush Work	0.45	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
	09 91 13 00-0099	SF	Paint Exterior Wood Smooth Siding, 2 Coats Paint, Brush Work.....	0.82	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
	09 91 13 00-0100	SF	Paint Exterior Smooth Wood Siding, 1 Coat Primer, Brush/Roller Work.....	0.38	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
	09 91 13 00-0101	SF	Paint Exterior Smooth Wood Siding, 1 Coat Paint, Brush/Roller Work.....	0.40	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
	09 91 13 00-0102	SF	Paint Exterior Smooth Wood Siding, 2 Coats Paint, Brush/Roller Work	0.74	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
	09 91 13 00-0103	SF	Paint Exterior Smooth Wood Siding, 1 Coat Primer, Sprayed	0.35	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.04	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
	09 91 13 00-0104	SF	Paint Exterior Smooth Wood Siding, 1 Coat Paint, Sprayed.....	0.41	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0105	SF	Paint Exterior Smooth Wood Siding, 2 Coats Paint, Sprayed.....	0.68	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91	13 00-0106		Paint Exterior Rough Wood Siding (09 91 13 00-0095)		
			Note: Includes shingles, shakes or rough sawn siding.		
09 91	13 00-0107	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Primer, Brush Work.....	0.64	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91	13 00-0108	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Paint, Brush Work.....	0.62	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91	13 00-0109	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Paint, Brush Work.....	1.17	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.22	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.23	
09 91	13 00-0110	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Brush/Roller Work.....	0.65	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91	13 00-0111	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Brush/Roller Work.....	0.68	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91	13 00-0112	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Brush/Roller Work.....	1.29	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0113	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Sprayed.....	0.54	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91	13 00-0114	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Sprayed	0.59	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91	13 00-0115	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Sprayed	1.14	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91	13 00-0116		Paint Exterior Vinyl Siding (09 91 13 00-0001)		
09 91	13 00-0117	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush Work.....	0.39	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	13 00-0118	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush Work	0.43	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.09	
09 91	13 00-0119	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush Work	0.80	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91	13 00-0120	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush/Roller Work.....	0.38	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	13 00-0121	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush/Roller Work.....	0.38	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0122	SF		Paint Exterior Vinyl Siding, 2 Coats Paint, Brush/Roller Work.....	0.72	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0123	SF		Paint Exterior Vinyl Siding, 1 Coat Primer, Sprayed.....	0.40	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.04	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.16	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 13 00-0124	SF		Paint Exterior Vinyl Siding, 1 Coat Paint, Sprayed.....	0.47	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.04	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0125	SF		Paint Exterior Vinyl Siding, 2 Coats Paint, Sprayed.....	0.91	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0126			Paint Exterior Ceilings (09 91 13)		
09 91 13 00-0127			Paint Exterior Concrete Ceilings (09 91 13 00-0126)		
09 91 13 00-0128	SF		Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush Work.....	0.38	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 13 00-0129	SF		Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush Work.....	0.40	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 13 00-0130	SF		Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush Work.....	0.72	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.09	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0131	SF	Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.31	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91	13 00-0132	SF	Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.32	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.04	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91	13 00-0133	SF	Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.60	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.08	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91	13 00-0134	SF	Paint Exterior Concrete Ceiling, 1 Coat Filler, Sprayed.....	0.31	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.04	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91	13 00-0135	SF	Paint Exterior Concrete Ceiling, 1 Coat Paint, Sprayed.....	0.34	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91	13 00-0136	SF	Paint Exterior Concrete Ceiling, 2 Coats Paint, Sprayed.....	0.57	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.10	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.11	
09 91	13 00-0137		Drywall/Plaster (09 91 13 00-0126)		
09 91	13 00-0138	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work.....	0.38	
			For Oil Based Paint, Add	0.02	
			For Orange Peel Finish, Add	0.05	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0139	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work	0.40	
			For Oil Based Paint, Add	0.02	
			For Orange Peel Finish, Add	0.05	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	13 00-0140	SF	Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work.....	0.73	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.10	
			For Epoxy Paint, Add	0.09	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91	13 00-0141	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.30	
			For Oil Based Paint, Add	0.02	
			For Orange Peel Finish, Add	0.04	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.16	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91	13 00-0142	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.32	
			For Oil Based Paint, Add	0.02	
			For Orange Peel Finish, Add	0.04	
			For Epoxy Paint, Add	0.04	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91	13 00-0143	SF	Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work	0.60	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.08	
			For Epoxy Paint, Add	0.08	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91	13 00-0144	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed	0.31	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.04	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91	13 00-0145	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed.....	0.34	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0146	SF	Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed.....	0.58	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.10	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91	13 00-0147		Paint Exterior Wood Ceilings (09 91 13 00-0126)		
09 91	13 00-0148		Paint Exterior Smooth Wood Ceilings (09 91 13 00-0147)		
09 91	13 00-0149	SF	Paint Exterior Wood Smooth Ceiling, 1 Coat Primer, Brush Work.....	0.48	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91	13 00-0150	SF	Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Brush Work.....	0.49	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91	13 00-0151	SF	Paint Exterior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	0.90	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91	13 00-0152	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.42	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.21	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	13 00-0153	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.43	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.09	
09 91	13 00-0154	SF	Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.78	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	

09 Finishes

09 90 Painting And Coating

09 91 Painting


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0155	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Sprayed	0.37
		For Oil Based Paint, Add	0.03
		For Work >20', Add	0.06
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.19
		For >100 To 250, Add	0.09
		For >250 To 500, Add	0.04
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 20,000, Deduct	-0.06
		For >20,000, Deduct	-0.07
09 91 13 00-0156	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Sprayed	0.37
		For Oil Based Paint, Add	0.03
		For Work >20', Add	0.06
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.19
		For >100 To 250, Add	0.09
		For >250 To 500, Add	0.04
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 20,000, Deduct	-0.06
		For >20,000, Deduct	-0.07
09 91 13 00-0157	SF	Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Sprayed	0.68
		For Oil Based Paint, Add	0.05
		For Work >20', Add	0.10
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.34
		For >100 To 250, Add	0.17
		For >250 To 500, Add	0.07
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.10
		For >20,000, Deduct	-0.14
09 91 13 00-0158		Paint Exterior Rough Wood Ceilings (09 91 13 00-0147)	
09 91 13 00-0159	SF	Paint Exterior Wood Rough Ceiling, 1 Coat Primer, Brush Work	0.71
		For Oil Based Paint, Add	0.05
		For Work >20', Add	0.12
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.39
		For >100 To 250, Add	0.19
		For >250 To 500, Add	0.08
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.11
		For >20,000, Deduct	-0.14
09 91 13 00-0160	SF	Paint Exterior Wood Rough Ceiling, 1 Coat Paint, Brush Work	0.69
		For Oil Based Paint, Add	0.04
		For Work >20', Add	0.14
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.43
		For >100 To 250, Add	0.21
		For >250 To 500, Add	0.09
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.10
		For >20,000, Deduct	-0.14
09 91 13 00-0161	SF	Paint Exterior Wood Rough Ceiling, 2 Coats Paint, Brush Work	1.21
		For Oil Based Paint, Add	0.07
		For Work >20', Add	0.23
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.74
		For >100 To 250, Add	0.35
		For >250 To 500, Add	0.15
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 20,000, Deduct	-0.18
		For >20,000, Deduct	-0.24
09 91 13 00-0162	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Brush/Roller Work	0.68
		For Oil Based Paint, Add	0.05
		For Work >20', Add	0.10
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.33
		For >100 To 250, Add	0.16
		For >250 To 500, Add	0.07
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.10
		For >20,000, Deduct	-0.14
09 91 13 00-0163	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Brush/Roller Work	0.72
		For Oil Based Paint, Add	0.05
		For Work >20', Add	0.11
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.36
		For >100 To 250, Add	0.18
		For >250 To 500, Add	0.08
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.11
		For >20,000, Deduct	-0.14



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0164	SF	Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Brush/Roller Work	1.33	
			For Oil Based Paint, Add	0.10	
			For Work >20', Add	0.18	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91	13 00-0165	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Sprayed	0.59	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91	13 00-0166	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Sprayed	0.65	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91	13 00-0167	SF	Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Sprayed.....	1.20	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.18	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91	13 00-0168		Paint Exterior Metal Ceilings (09 91 13 00-0126)		
09 91	13 00-0169		Paint Exterior Galvanized Ceilings (09 91 13 00-0168)		
			Note: Linseed oil or acrylic latex paint.		
09 91	13 00-0170	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush Work.....	0.47	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91	13 00-0171	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush Work	0.51	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91	13 00-0172	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush Work	0.94	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91	13 00-0173	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work	0.37	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.07	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0174	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work	0.40	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	13 00-0175	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work	0.72	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91	13 00-0176	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Sprayed	0.41	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	13 00-0177	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Sprayed	0.46	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91	13 00-0178	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Sprayed	0.77	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91	13 00-0179		Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0168)		
			Note: Alkyd enamel paint.		
09 91	13 00-0180	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work	0.47	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91	13 00-0181	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work	0.51	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91	13 00-0182	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work	0.94	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0183	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work	0.42	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.21	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	13 00-0184	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.45	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91	13 00-0185	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.83	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
09 91	13 00-0186	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed.....	0.41	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	13 00-0187	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed	0.41	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	13 00-0188	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	0.77	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91	13 00-0189		Paint Exterior Corrugated Metal Ceilings <small>(09 91 13 00-0188)</small>	0.46	
09 91	13 00-0190	SF	Paint Exterior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed	0.46	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91	13 00-0191	SF	Paint Exterior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	0.52	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	

09 Finishes

09 90 Painting And Coating

09 91 Painting


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0192	SF	Paint Exterior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	0.96
		For Work >20', Add	0.14
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.47
		For >100 To 250, Add	0.23
		For >250 To 500, Add	0.10
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.10
		For >10,000 To 20,000, Deduct	-0.14
		For >20,000, Deduct	-0.19

09 91 13 00-0193 Paint Exterior Floors (09 91 13)

09 91 13 00-0194 Paint Exterior Concrete Floors (09 91 13 00-0193)

09 91 13 00-0195	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush Work.....	0.31
		For Oil Based Paint, Add	0.02
		For Epoxy Paint, Add	0.05
		For Up To 100, Add	0.17
		For >100 To 250, Add	0.08
		For >250 To 500, Add	0.04
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.05
		For >20,000, Deduct	-0.06
09 91 13 00-0196	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush Work	0.32
		For Oil Based Paint, Add	0.02
		For Epoxy Paint, Add	0.04
		For Up To 100, Add	0.19
		For >100 To 250, Add	0.09
		For >250 To 500, Add	0.04
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.05
		For >20,000, Deduct	-0.06
09 91 13 00-0197	SF	Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush Work.....	0.60
		For Oil Based Paint, Add	0.04
		For Epoxy Paint, Add	0.08
		For Up To 100, Add	0.34
		For >100 To 250, Add	0.17
		For >250 To 500, Add	0.07
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000 To 20,000, Deduct	-0.09
		For >20,000, Deduct	-0.12
09 91 13 00-0198	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.26
		For Oil Based Paint, Add	0.02
		For Epoxy Paint, Add	0.05
		For Up To 100, Add	0.13
		For >100 To 250, Add	0.06
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.04
		For >20,000, Deduct	-0.05
09 91 13 00-0199	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.29
		For Oil Based Paint, Add	0.02
		For Epoxy Paint, Add	0.04
		For Up To 100, Add	0.16
		For >100 To 250, Add	0.08
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.04
		For >20,000, Deduct	-0.06
09 91 13 00-0200	SF	Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work	0.48
		For Oil Based Paint, Add	0.03
		For Epoxy Paint, Add	0.08
		For Up To 100, Add	0.25
		For >100 To 250, Add	0.12
		For >250 To 500, Add	0.05
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 20,000, Deduct	-0.07
		For >20,000, Deduct	-0.10
09 91 13 00-0201	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Sprayed	0.25
		For Oil Based Paint, Add	0.02
		For Epoxy Paint, Add	0.05
		For Up To 100, Add	0.10
		For >100 To 250, Add	0.05
		For >250 To 500, Add	0.02
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.04
		For >20,000, Deduct	-0.05



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0202	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Sprayed.....	0.28	
			<i>For Oil Based Paint, Add</i>	0.02	
			<i>For Epoxy Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.14	
			<i>For >100 To 250, Add</i>	0.07	
			<i>For >250 To 500, Add</i>	0.03	
			<i>For >2,500 To 5,000, Deduct</i>	-0.01	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.04	
			<i>For >20,000, Deduct</i>	-0.06	
09 91	13 00-0203	SF	Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Sprayed.....	0.52	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.25	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.10	
09 91	13 00-0204	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush/Roller Work	1.07	
			<i>For Up To 100, Add</i>	0.28	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.21	
09 91	13 00-0205	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work.....	3.46	
			<i>For Up To 100, Add</i>	0.64	
			<i>For >100 To 250, Add</i>	0.40	
			<i>For >250 To 500, Add</i>	0.19	
			<i>For >2,500 To 5,000, Deduct</i>	-0.17	
			<i>For >5,000 To 10,000, Deduct</i>	-0.35	
			<i>For >10,000 To 20,000, Deduct</i>	-0.52	
			<i>For >20,000, Deduct</i>	-0.69	
09 91	13 00-0206		Paint Exterior Wood Floors (09 91 13 00-0193)		
09 91	13 00-0207	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.40	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.20	
			<i>For >100 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.08	
09 91	13 00-0208	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush Work	0.41	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.22	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.08	
09 91	13 00-0209	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush Work.....	0.78	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.42	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.16	
09 91	13 00-0210	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.38	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.18	
			<i>For >100 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.08	
09 91	13 00-0211	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.39	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.20	
			<i>For >100 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0212	SF		Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work	0.67	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.31	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 13 00-0213	SF		Paint Exterior Wood Floors And Decks, 1 Coat Primer, Sprayed.....	0.31	
			<i>For Oil Based Paint, Add</i>	0.02	
			<i>For Up To 100, Add</i>	0.15	
			<i>For >100 To 250, Add</i>	0.07	
			<i>For >250 To 500, Add</i>	0.03	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.05	
			<i>For >20,000, Deduct</i>	-0.06	
09 91 13 00-0214	SF		Paint Exterior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.37	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.19	
			<i>For >100 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.07	
09 91 13 00-0215	SF		Paint Exterior Wood Floors And Decks, 2 Coats Paint, Sprayed.....	0.62	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 13 00-0216	SF		Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.11	
			<i>For Up To 100, Add</i>	0.31	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.22	
09 91 13 00-0217	SF		Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	3.50	
			<i>For Up To 100, Add</i>	0.67	
			<i>For >100 To 250, Add</i>	0.41	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >2,500 To 5,000, Deduct</i>	-0.18	
			<i>For >5,000 To 10,000, Deduct</i>	-0.35	
			<i>For >10,000 To 20,000, Deduct</i>	-0.53	
			<i>For >20,000, Deduct</i>	-0.70	

09 91 13 00-0218 Paint Exterior Doors And Windows (09 91 13)

09 91 13 00-0219 Paint Exterior Door Frames (09 91 13 00-0218)

09 91 13 00-0220	LF		Paint Exterior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.45	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.12	
09 91 13 00-0221	LF		Paint Exterior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.57	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.15	
09 91 13 00-0222	LF		Paint Exterior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	0.97	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.26	
09 91 13 00-0223	LF		Paint Exterior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.44	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.12	
09 91 13 00-0224	LF		Paint Exterior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	0.56	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.15	
09 91 13 00-0225	LF		Paint Exterior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	0.95	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.26	

09 91 13 00-0226 Paint Exterior Metal Doors (09 91 13 00-0218)

09 91 13 00-0227	EA		Paint Exterior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work	22.06	
			<i>For Half Louvered Door, Add</i>	1.68	
			<i>For Full Louvered Door, Add</i>	2.80	
			<i>For Electrostatic Painting, Add</i>	3.84	
			<i>For >5 To 10, Deduct</i>	-1.10	
			<i>For >10 To 25, Deduct</i>	-2.21	
			<i>For >25, Deduct</i>	-3.31	
09 91 13 00-0228	EA		Paint Exterior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work.....	22.06	
			<i>For Half Louvered Door, Add</i>	1.68	
			<i>For Full Louvered Door, Add</i>	2.80	
			<i>For Electrostatic Painting, Add</i>	3.84	
			<i>For >5 To 10, Deduct</i>	-1.10	
			<i>For >10 To 25, Deduct</i>	-2.21	
			<i>For >25, Deduct</i>	-3.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0229	EA	Paint Exterior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work.....	40.47	
			For Half Louvered Door, Add	2.84	
			For Full Louvered Door, Add	4.73	
			For Electrostatic Painting, Add	7.28	
			For >5 To 10, Deduct	-2.02	
			For >10 To 25, Deduct	-4.05	
			For >25, Deduct	-6.07	
09 91	13 00-0230	EA	Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	39.58	
			For Half Louvered Door, Add	3.01	
			For Full Louvered Door, Add	5.02	
			For Electrostatic Painting, Add	6.88	
			For >5 To 10, Deduct	-1.98	
			For >10 To 25, Deduct	-3.96	
			For >25, Deduct	-5.94	
09 91	13 00-0231	EA	Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	39.58	
			For Half Louvered Door, Add	3.01	
			For Full Louvered Door, Add	5.02	
			For Electrostatic Painting, Add	6.88	
			For >5 To 10, Deduct	-1.98	
			For >10 To 25, Deduct	-3.96	
			For >25, Deduct	-5.94	
09 91	13 00-0232	EA	Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	72.98	
			For Half Louvered Door, Add	5.09	
			For Full Louvered Door, Add	8.49	
			For Electrostatic Painting, Add	13.15	
			For >5 To 10, Deduct	-3.65	
			For >10 To 25, Deduct	-7.30	
			For >25, Deduct	-10.95	
09 91	13 00-0233	EA	Paint Exterior Metal Door, One Face, 1 Coat Primer, Sprayed.....	23.14	
			For Half Louvered Door, Add	1.68	
			For Full Louvered Door, Add	2.80	
			For Electrostatic Painting, Add	4.11	
			For >5 To 10, Deduct	-1.16	
			For >10 To 25, Deduct	-2.31	
			For >25, Deduct	-3.47	
09 91	13 00-0234	EA	Paint Exterior Metal Door, One Face, 1 Coat Paint, Sprayed.....	23.14	
			For Half Louvered Door, Add	1.68	
			For Full Louvered Door, Add	2.80	
			For Electrostatic Painting, Add	4.11	
			For >5 To 10, Deduct	-1.16	
			For >10 To 25, Deduct	-2.31	
			For >25, Deduct	-3.47	
09 91	13 00-0235	EA	Paint Exterior Metal Door, One Face, 2 Coats Paint, Sprayed.....	42.64	
			For Half Louvered Door, Add	2.84	
			For Full Louvered Door, Add	4.73	
			For Electrostatic Painting, Add	7.82	
			For >5 To 10, Deduct	-2.13	
			For >10 To 25, Deduct	-4.26	
			For >25, Deduct	-6.40	
09 91	13 00-0236	EA	Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Sprayed.....	41.55	
			For Half Louvered Door, Add	3.01	
			For Full Louvered Door, Add	5.02	
			For Electrostatic Painting, Add	7.37	
			For >5 To 10, Deduct	-2.08	
			For >10 To 25, Deduct	-4.16	
			For >25, Deduct	-6.23	
09 91	13 00-0237	EA	Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Sprayed.....	41.55	
			For Half Louvered Door, Add	3.01	
			For Full Louvered Door, Add	5.02	
			For Electrostatic Painting, Add	7.37	
			For >5 To 10, Deduct	-2.08	
			For >10 To 25, Deduct	-4.16	
			For >25, Deduct	-6.23	
09 91	13 00-0238	EA	Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Sprayed.....	76.90	
			For Half Louvered Door, Add	5.10	
			For Full Louvered Door, Add	8.50	
			For Electrostatic Painting, Add	14.13	
			For >5 To 10, Deduct	-3.85	
			For >10 To 25, Deduct	-7.69	
			For >25, Deduct	-11.54	
09 91	13 00-0239	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work.....	0.94	
			For Electrostatic Painting, Add	0.12	
09 91	13 00-0240	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work.....	1.01	
			For Electrostatic Painting, Add	0.14	
09 91	13 00-0241	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work.....	2.07	
			For Electrostatic Painting, Add	0.28	
09 91	13 00-0242	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed.....	1.23	
			For Electrostatic Painting, Add	0.15	
09 91	13 00-0243	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed.....	1.30	
			For Electrostatic Painting, Add	0.17	
09 91	13 00-0244	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed.....	2.52	
			For Electrostatic Painting, Add	0.32	

09 91 13 00-0245 Paint Exterior Wood Doors (09 91 13 00-0218)

09 Finishes

09 90 Painting And Coating

09 91 Painting


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0246	EA	Paint Exterior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work.....	22.06	
		<i>For Half Louvered Door, Add</i>	1.68	
		<i>For Full Louvered Door, Add</i>	2.80	
		<i>For >5 To 10, Deduct</i>	-1.10	
		<i>For >10 To 25, Deduct</i>	-2.21	
		<i>For >25, Deduct</i>	-3.31	
09 91 13 00-0247	EA	Paint Exterior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work.....	22.06	
		<i>For Half Louvered Door, Add</i>	1.68	
		<i>For Full Louvered Door, Add</i>	2.80	
		<i>For >5 To 10, Deduct</i>	-1.10	
		<i>For >10 To 25, Deduct</i>	-2.21	
		<i>For >25, Deduct</i>	-3.31	
09 91 13 00-0248	EA	Paint Exterior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work	40.47	
		<i>For Half Louvered Door, Add</i>	2.84	
		<i>For Full Louvered Door, Add</i>	4.73	
		<i>For >5 To 10, Deduct</i>	-2.02	
		<i>For >10 To 25, Deduct</i>	-4.05	
		<i>For >25, Deduct</i>	-6.07	
09 91 13 00-0249	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work	39.58	
		<i>For Half Louvered Door, Add</i>	3.01	
		<i>For Full Louvered Door, Add</i>	5.02	
		<i>For >5 To 10, Deduct</i>	-1.98	
		<i>For >10 To 25, Deduct</i>	-3.96	
		<i>For >25, Deduct</i>	-5.94	
09 91 13 00-0250	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	39.58	
		<i>For Half Louvered Door, Add</i>	3.01	
		<i>For Full Louvered Door, Add</i>	5.02	
		<i>For >5 To 10, Deduct</i>	-1.98	
		<i>For >10 To 25, Deduct</i>	-3.96	
		<i>For >25, Deduct</i>	-5.94	
09 91 13 00-0251	EA	Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	72.98	
		<i>For Half Louvered Door, Add</i>	5.09	
		<i>For Full Louvered Door, Add</i>	8.49	
		<i>For >5 To 10, Deduct</i>	-3.65	
		<i>For >10 To 25, Deduct</i>	-7.30	
		<i>For >25, Deduct</i>	-10.95	
09 91 13 00-0252	EA	Paint Exterior Wood Door, One Face, 1 Coat Primer, Sprayed	23.14	
		<i>For Half Louvered Door, Add</i>	1.68	
		<i>For Full Louvered Door, Add</i>	2.80	
		<i>For >5 To 10, Deduct</i>	-1.16	
		<i>For >10 To 25, Deduct</i>	-2.31	
		<i>For >25, Deduct</i>	-3.47	
09 91 13 00-0253	EA	Paint Exterior Wood Door, One Face, 1 Coat Paint, Sprayed.....	23.14	
		<i>For Half Louvered Door, Add</i>	1.68	
		<i>For Full Louvered Door, Add</i>	2.80	
		<i>For >5 To 10, Deduct</i>	-1.16	
		<i>For >10 To 25, Deduct</i>	-2.31	
		<i>For >25, Deduct</i>	-3.47	
09 91 13 00-0254	EA	Paint Exterior Wood Door, One Face, 2 Coats Paint, Sprayed.....	42.66	
		<i>For Half Louvered Door, Add</i>	2.84	
		<i>For Full Louvered Door, Add</i>	4.73	
		<i>For >5 To 10, Deduct</i>	-2.13	
		<i>For >10 To 25, Deduct</i>	-4.27	
		<i>For >25, Deduct</i>	-6.40	
09 91 13 00-0255	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Sprayed.....	41.55	
		<i>For Half Louvered Door, Add</i>	3.01	
		<i>For Full Louvered Door, Add</i>	5.02	
		<i>For >5 To 10, Deduct</i>	-2.08	
		<i>For >10 To 25, Deduct</i>	-4.16	
		<i>For >25, Deduct</i>	-6.23	
09 91 13 00-0256	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Sprayed	41.55	
		<i>For Half Louvered Door, Add</i>	3.01	
		<i>For Full Louvered Door, Add</i>	5.02	
		<i>For >5 To 10, Deduct</i>	-2.08	
		<i>For >10 To 25, Deduct</i>	-4.16	
		<i>For >25, Deduct</i>	-6.23	
09 91 13 00-0257	EA	Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Sprayed	76.90	
		<i>For Half Louvered Door, Add</i>	5.10	
		<i>For Full Louvered Door, Add</i>	8.50	
		<i>For >5 To 10, Deduct</i>	-3.85	
		<i>For >10 To 25, Deduct</i>	-7.69	
		<i>For >25, Deduct</i>	-11.54	
09 91 13 00-0258	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work.....	0.95	
09 91 13 00-0259	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work.....	1.01	
09 91 13 00-0260	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work	2.07	
09 91 13 00-0261	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed	1.23	
09 91 13 00-0262	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed.....	1.30	
09 91 13 00-0263	SF	Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed.....	2.52	

09 91 13 00-0264 Paint Exterior Metal Windows (09 91 13 00-0218)

Note: Two finish coats paint over rust inhibitive primer.

09 91 13 00-0265	EA	Up To 8 SF Window Size, Paint Exterior Metal Window Including Trim.....	32.30	
		<i>For Electrostatic Painting, Add</i>	4.31	
		<i>For >5 To 10, Deduct</i>	-1.62	
		<i>For >10 To 25, Deduct</i>	-3.23	
		<i>For >25, Deduct</i>	-4.85	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0266	EA		>8 To 14 SF Window Size, Paint Exterior Metal Window Including Trim.....	40.10	
			<i>For Electrostatic Painting, Add</i>	5.68	
			<i>For >5 To 10, Deduct</i>	-2.01	
			<i>For >10 To 25, Deduct</i>	-4.01	
			<i>For >25, Deduct</i>	-6.02	
09 91 13 00-0267	EA		>14 To 20 SF Window Size, Paint Exterior Metal Window Including Trim.....	54.42	
			<i>For Electrostatic Painting, Add</i>	7.82	
			<i>For >5 To 10, Deduct</i>	-2.72	
			<i>For >10 To 25, Deduct</i>	-5.44	
			<i>For >25, Deduct</i>	-8.16	
09 91 13 00-0268	EA		>20 To 26 SF Window Size, Paint Exterior Metal Window Including Trim.....	61.31	
			<i>For Electrostatic Painting, Add</i>	8.81	
			<i>For >5 To 10, Deduct</i>	-3.07	
			<i>For >10 To 25, Deduct</i>	-6.13	
			<i>For >25, Deduct</i>	-9.20	
09 91 13 00-0269	EA		>26 To 34 SF Window Size, Paint Exterior Metal Window Including Trim.....	67.93	
			<i>For Electrostatic Painting, Add</i>	9.75	
			<i>For >5 To 10, Deduct</i>	-3.40	
			<i>For >10 To 25, Deduct</i>	-6.79	
			<i>For >25, Deduct</i>	-10.19	
09 91 13 00-0270	SF		>34 SF Window Size, Paint Exterior Metal Window Including Trim.....	2.15	
			<i>For Electrostatic Painting, Add</i>	0.31	
09 91 13 00-0271 Paint Exterior Wood Windows (09 91 13 00-0218)					
Note: Two finish coats paint over primer.					
09 91 13 00-0272	EA		Up To 8 SF Window Size, Paint Exterior Wood Window Including Trim.....	32.30	
			<i>For >5 To 10, Deduct</i>	-1.62	
			<i>For >10 To 25, Deduct</i>	-3.23	
			<i>For >25, Deduct</i>	-4.85	
09 91 13 00-0273	EA		>8 To 14 SF Window Size, Paint Exterior Wood Window Including Trim.....	40.10	
			<i>For >5 To 10, Deduct</i>	-2.01	
			<i>For >10 To 25, Deduct</i>	-4.01	
			<i>For >25, Deduct</i>	-6.02	
09 91 13 00-0274	EA		>14 To 20 SF Window Size, Paint Exterior Wood Window Including Trim.....	54.42	
			<i>For >5 To 10, Deduct</i>	-2.72	
			<i>For >10 To 25, Deduct</i>	-5.44	
			<i>For >25, Deduct</i>	-8.16	
09 91 13 00-0275	EA		>20 To 26 SF Window Size, Paint Exterior Wood Window Including Trim.....	61.31	
			<i>For >5 To 10, Deduct</i>	-3.07	
			<i>For >10 To 25, Deduct</i>	-6.13	
			<i>For >25, Deduct</i>	-9.20	
09 91 13 00-0276	EA		>26 To 34 SF Window Size, Paint Exterior Wood Window Including Trim.....	67.93	
			<i>For >5 To 10, Deduct</i>	-3.40	
			<i>For >10 To 25, Deduct</i>	-6.79	
			<i>For >25, Deduct</i>	-10.19	
09 91 13 00-0277	SF		>34 SF Window Size, Paint Exterior Wood Window Including Trim.....	2.26	
09 91 13 00-0278 Paint Exterior Security Screens (09 91 13 00-0218)					
09 91 13 00-0279	SF		Paint Exterior Security Screen, 1 Coat Primer, Brush/Roller Work.....	0.71	
			<i>For Electrostatic Painting, Add</i>	0.10	
09 91 13 00-0280	SF		Paint Exterior Security Screen, 1 Coat Paint, Brush/Roller Work.....	0.73	
			<i>For Electrostatic Painting, Add</i>	0.09	
09 91 13 00-0281	SF		Paint Exterior Security Screen, 2 Coats Paint, Brush/Roller Work.....	1.21	
			<i>For Electrostatic Painting, Add</i>	0.15	
09 91 13 00-0282 Paint Exterior Window Guards (09 91 13 00-0218)					
09 91 13 00-0283	SF		Paint Exterior Metal Window Guards, 1 Coat Primer, Brush/Roller Work.....	0.71	
09 91 13 00-0284	SF		Paint Exterior Metal Window Guards, 1 Coat Paint, Brush/Roller Work.....	0.73	
09 91 13 00-0285	SF		Paint Exterior Metal Window Guards, 2 Coats Paint, Brush/Roller Work.....	1.21	
09 91 13 00-0286 Paint Exterior Window Trim (09 91 13 00-0218)					
09 91 13 00-0287	LF		Paint Exterior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.69	
09 91 13 00-0288	LF		Paint Exterior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.69	
09 91 13 00-0289	LF		Paint Exterior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	0.89	
09 91 13 00-0290	LF		Paint Exterior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.75	
09 91 13 00-0291	LF		Paint Exterior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.75	
09 91 13 00-0292	LF		Paint Exterior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.03	
09 91 13 00-0293 Paint Roofing And Trim (09 91 13)					
09 91 13 00-0294 Paint Stain Or Seal Wood Roofing (09 91 13 00-0293)					
09 91 13 00-0295	SF		Stain And Seal Shingles/Shake, 1 Coat, Brush/Roller Work.....	1.03	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.11	
09 91 13 00-0296	SF		Stain And Seal Shingles/Shake, 2 Coats, Brush/Roller Work.....	1.92	
			<i>For Up To 100, Add</i>	0.89	
			<i>For >100 To 250, Add</i>	0.44	
			<i>For >250 To 500, Add</i>	0.20	
09 91 13 00-0297			Paint Metal Roofing (09 91 13 00-0293)		

09 Finishes**09 90 Painting And Coating****09 91 Painting**
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0298	SF	Paint Metal Roofing, 1 Coat Paint, Brush/Roller Work	0.43
		<i>For Up To 100, Add</i>	0.20
		<i>For >100 To 250, Add</i>	0.10
		<i>For >250 To 500, Add</i>	0.04
09 91 13 00-0299	SF	Paint Metal Roofing, 2 Coats Paint, Brush/Roller Work	0.73
		<i>For Up To 100, Add</i>	0.34
		<i>For >100 To 250, Add</i>	0.17
		<i>For >250 To 500, Add</i>	0.08
09 91 13 00-0300		Paint Fascia Board <small>(09 91 13 00-0293)</small>	
09 91 13 00-0301	LF	Paint Fascia Board, 1 Coat Primer, Brush/Roller Work	0.43
		<i>For Up To 100, Add</i>	0.20
		<i>For >100 To 250, Add</i>	0.10
		<i>For >250 To 500, Add</i>	0.04
09 91 13 00-0302	LF	Paint Fascia Board, 1 Coat Paint, Brush/Roller Work	0.43
		<i>For Up To 100, Add</i>	0.20
		<i>For >100 To 250, Add</i>	0.10
		<i>For >250 To 500, Add</i>	0.04
09 91 13 00-0303	LF	Paint Fascia Board, 2 Coats Paint, Brush/Roller Work	0.73
		<i>For Up To 100, Add</i>	0.34
		<i>For >100 To 250, Add</i>	0.17
		<i>For >250 To 500, Add</i>	0.08
09 91 13 00-0304		Paint Soffit <small>(09 91 13 00-0293)</small>	
09 91 13 00-0305	SF	Paint Soffit, 1 Coat Primer, Brush/Roller Work	0.52
		<i>For Up To 100, Add</i>	0.21
		<i>For >100 To 250, Add</i>	0.11
		<i>For >250 To 500, Add</i>	0.05
09 91 13 00-0306	SF	Paint Soffit, 1 Coat Paint, Brush/Roller Work	0.52
		<i>For Up To 100, Add</i>	0.21
		<i>For >100 To 250, Add</i>	0.11
		<i>For >250 To 500, Add</i>	0.05
09 91 13 00-0307	SF	Paint Soffit, 2 Coats Paint, Brush/Roller Work	0.87
		<i>For Up To 100, Add</i>	0.36
		<i>For >100 To 250, Add</i>	0.18
		<i>For >250 To 500, Add</i>	0.08
09 91 13 00-0308		Paint Site Work <small>(09 91 13)</small>	
		Note: Tasks can be used for exterior or interior applications.	
09 91 13 00-0309		Paint Structural Steel <small>(09 91 13 00-0308)</small>	
09 91 13 00-0310		Paint Structural Steel, Brush Work <small>(09 91 13 00-0309)</small>	
09 91 13 00-0311	SF	Paint Structural Steel, 1 Field Coat Primer, Brush/Roller Work	0.50
		<i>For Up To 100, Add</i>	0.31
		<i>For >100 To 250, Add</i>	0.15
		<i>For >250 To 500, Add</i>	0.06
		<i>For Epoxy Paint, Add</i>	0.06
09 91 13 00-0312	SF	Paint Structural Steel, 1 Field Coat Paint, Brush/Roller Work	0.44
		<i>For Up To 100, Add</i>	0.26
		<i>For >100 To 250, Add</i>	0.13
		<i>For >250 To 500, Add</i>	0.06
		<i>For Epoxy Paint, Add</i>	0.06
09 91 13 00-0313		Paint Structural Steel, Spray Work <small>(09 91 13 00-0309)</small>	
09 91 13 00-0314	SF	Paint Structural Steel, 1 Field Coat Primer, Spray Work	0.34
		<i>For Electrostatic Painting, Add</i>	0.05
		<i>For Up To 100, Add</i>	0.19
		<i>For >100 To 250, Add</i>	0.09
		<i>For >250 To 500, Add</i>	0.04
		<i>For Epoxy Paint, Add</i>	0.05
09 91 13 00-0315	SF	Paint Structural Steel, 1 Field Coat Paint, Spray Work	0.29
		<i>For Electrostatic Painting, Add</i>	0.05
		<i>For Up To 100, Add</i>	0.15
		<i>For >100 To 250, Add</i>	0.07
		<i>For >250 To 500, Add</i>	0.03
		<i>For Epoxy Paint, Add</i>	0.05
09 91 13 00-0316		Paint Metal Decking, Beams And Bar Joist <small>(09 91 13 00-0309)</small>	
09 91 13 00-0317	SF	Paint Exposed Metal Decking, 1 Coat Primer, Sprayed	0.39
		<i>For Up To 100, Add</i>	0.23
		<i>For >100 To 250, Add</i>	0.11
		<i>For >250 To 500, Add</i>	0.05
		<i>For Epoxy Paint, Add</i>	0.05
09 91 13 00-0318	SF	Paint Exposed Metal Decking, 1 Coat Paint, Sprayed	0.39
		<i>For Up To 100, Add</i>	0.23
		<i>For >100 To 250, Add</i>	0.11
		<i>For >250 To 500, Add</i>	0.05
		<i>For Epoxy Paint, Add</i>	0.05
09 91 13 00-0319	SF	Paint Exposed Metal Decking, 2 Coats Paint, Sprayed	0.65
		<i>For Up To 100, Add</i>	0.36
		<i>For >100 To 250, Add</i>	0.18
		<i>For >250 To 500, Add</i>	0.08
		<i>For Epoxy Paint, Add</i>	0.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0320	SF		Paint Metal Beams And Bar Joists, 1 Coat Primer, Brush/Roller Work.....	0.50	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For Epoxy Paint, Add	0.09	
09 91 13 00-0321	SF		Paint Metal Beams And Bar Joists, 1 Coat Paint, Brush/Roller Work.....	0.48	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For Epoxy Paint, Add	0.08	
09 91 13 00-0322	SF		Paint Metal Beams And Bar Joists, 2 Coats Paint, Brush/Roller Work.....	0.92	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For Epoxy Paint, Add	0.15	
09 91 13 00-0323	SF		Paint Metal Beams And Bar Joists, 1 Coat Primer, Sprayed.....	0.47	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For Epoxy Paint, Add	0.07	
09 91 13 00-0324	SF		Paint Metal Beams And Bar Joists, 1 Coat Paint, Sprayed.....	0.47	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For Epoxy Paint, Add	0.07	
09 91 13 00-0325	SF		Paint Metal Beams And Bar Joists, 2 Coats Paint, Sprayed.....	0.81	
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0326			Paint Steel Pipes <small>(09 91 13 00-0306)</small>		
			Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0327	LF		Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Primer.....	0.64	
			For Electrostatic Painting, Add	0.09	
			For Epoxy Paint, Add	0.08	
09 91 13 00-0328	LF		Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Primer.....	0.72	
			For Electrostatic Painting, Add	0.10	
			For Epoxy Paint, Add	0.09	
09 91 13 00-0329	LF		Paint Steel Pipes 4" Diameter, 1 Coat Primer.....	0.82	
			For Electrostatic Painting, Add	0.11	
			For Epoxy Paint, Add	0.10	
09 91 13 00-0330	LF		Paint Steel Pipes 6" To 8" Diameter, 1 Coat Primer.....	1.01	
			For Electrostatic Painting, Add	0.14	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0331	LF		Paint Steel Pipes 10" To 12" Diameter 1 Coat Primer.....	1.28	
			For Electrostatic Painting, Add	0.17	
			For Epoxy Paint, Add	0.16	
09 91 13 00-0332	LF		Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Paint.....	0.64	
			For Electrostatic Painting, Add	0.09	
			For Epoxy Paint, Add	0.08	
09 91 13 00-0333	LF		Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Paint.....	0.72	
			For Electrostatic Painting, Add	0.10	
			For Epoxy Paint, Add	0.09	
09 91 13 00-0334	LF		Paint Steel Pipes 4" Diameter, 1 Coat Paint.....	0.82	
			For Electrostatic Painting, Add	0.11	
			For Epoxy Paint, Add	0.10	
09 91 13 00-0335	LF		Paint Steel Pipes 6" To 8" Diameter, 1 Coat Paint.....	1.01	
			For Electrostatic Painting, Add	0.14	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0336	LF		Paint Steel Pipes 10" To 12" Diameter 1 Coat Paint.....	1.28	
			For Electrostatic Painting, Add	0.17	
			For Epoxy Paint, Add	0.16	
09 91 13 00-0337	LF		Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 2 Coats.....	1.33	
			For Electrostatic Painting, Add	0.19	
			For Epoxy Paint, Add	0.19	
09 91 13 00-0338	LF		Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 2 Coats.....	1.44	
			For Electrostatic Painting, Add	0.20	
			For Epoxy Paint, Add	0.18	
09 91 13 00-0339	LF		Paint Steel Pipes 4" Diameter, 2 Coats.....	1.56	
			For Electrostatic Painting, Add	0.22	
			For Epoxy Paint, Add	0.20	
09 91 13 00-0340	LF		Paint Steel Pipes 6" To 8" Diameter, 2 Coats.....	1.96	
			For Electrostatic Painting, Add	0.27	
			For Epoxy Paint, Add	0.25	
09 91 13 00-0341	LF		Paint Steel Pipes 10" To 12" Diameter, 2 Coats.....	2.43	
			For Electrostatic Painting, Add	0.34	
			For Epoxy Paint, Add	0.31	
09 91 13 00-0342			Paint Fencing <small>(09 91 13 00-0308)</small>		
			Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0343	SF		Paint Existing Chain Link Fence, 1 Coat Paint, Brush/Roller.....	0.33	
			For Epoxy Paint, Add	0.04	
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	

09 Finishes**09 90 Painting And Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0344	SF	Paint Existing Chain Link Fence, 2 Coats Paint, Brush/Roller	0.61
		<i>For Epoxy Paint, Add</i>	0.08
		<i>For Up To 100, Add</i>	0.35
		<i>For >100 To 250, Add</i>	0.17
		<i>For >250 To 500, Add</i>	0.07
09 91 13 00-0345	SF	Paint Existing Chain Link Fence, 1 Coat Paint, Sprayed	0.34
		<i>For Epoxy Paint, Add</i>	0.05
		<i>For Electrostatic Painting, Add</i>	0.05
		<i>For Up To 100, Add</i>	0.19
		<i>For >100 To 250, Add</i>	0.09
		<i>For >250 To 500, Add</i>	0.04
09 91 13 00-0346	SF	Paint Existing Chain Link Fence, 2 Coats Paint, Sprayed.....	0.65
		<i>For Epoxy Paint, Add</i>	0.10
		<i>For Electrostatic Painting, Add</i>	0.10
		<i>For Up To 100, Add</i>	0.35
		<i>For >100 To 250, Add</i>	0.17
		<i>For >250 To 500, Add</i>	0.07
09 91 13 00-0347	SF	Paint Wrought Iron Fence, 1 Coat Primer, Brush/Roller	0.31
		<i>For Epoxy Paint, Add</i>	0.05
		<i>For Up To 100, Add</i>	0.17
		<i>For >100 To 250, Add</i>	0.08
		<i>For >250 To 500, Add</i>	0.04
09 91 13 00-0348	SF	Paint Wrought Iron Fence, 1 Coat, Brush/Roller.....	0.29
		<i>For Epoxy Paint, Add</i>	0.04
		<i>For Up To 100, Add</i>	0.16
		<i>For >100 To 250, Add</i>	0.08
		<i>For >250 To 500, Add</i>	0.03
09 91 13 00-0349	SF	Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller	0.21
		<i>For Epoxy Paint, Add</i>	0.04
		<i>For Up To 100, Add</i>	0.10
		<i>For >100 To 250, Add</i>	0.05
		<i>For >250 To 500, Add</i>	0.02
09 91 13 00-0350	SF	Paint Picket Fence, 1 Coat Primer, Brush/Roller	0.38
		<i>For Epoxy Paint, Add</i>	0.04
		<i>For Up To 100, Add</i>	0.24
		<i>For >100 To 250, Add</i>	0.12
		<i>For >250 To 500, Add</i>	0.05
09 91 13 00-0351	SF	Paint Picket Fence, 1 Coat, Brush/Roller.....	0.38
		<i>For Epoxy Paint, Add</i>	0.04
		<i>For Up To 100, Add</i>	0.24
		<i>For >100 To 250, Add</i>	0.12
		<i>For >250 To 500, Add</i>	0.05
09 91 13 00-0352	SF	Paint Picket Fence, Each Additional Coat, Brush/Roller	0.28
		<i>For Epoxy Paint, Add</i>	0.04
		<i>For Up To 100, Add</i>	0.17
		<i>For >100 To 250, Add</i>	0.08
		<i>For >250 To 500, Add</i>	0.04
09 91 13 00-0353	SF	Paint Wood Fences 1 Coat, Brush/Roller	0.31
		<i>For Up To 100, Add</i>	0.17
		<i>For >100 To 250, Add</i>	0.08
		<i>For >250 To 500, Add</i>	0.04
09 91 13 00-0354	SF	Paint Wood Fences 2 Coats, Brush/Roller.....	0.57
		<i>For Up To 100, Add</i>	0.29
		<i>For >100 To 250, Add</i>	0.14
		<i>For >250 To 500, Add</i>	0.06
09 91 13 00-0355	SF	Paint Wood Fences 1 Coat, Sprayed.....	0.28
		<i>For Up To 100, Add</i>	0.14
		<i>For >100 To 250, Add</i>	0.07
		<i>For >250 To 500, Add</i>	0.03
09 91 13 00-0356	SF	Paint Wood Fences 2 Coats, Sprayed.....	0.55
		<i>For Up To 100, Add</i>	0.27
		<i>For >100 To 250, Add</i>	0.14
		<i>For >250 To 500, Add</i>	0.06
09 91 13 00-0357		Paint Metal Louvers <small>(09 91 13 00-0308)</small>	
09 91 13 00-0358	SF	Paint Ventilation Louver, SF Of Opening Area, 1 Coat Primer, Brush/Roller Work.....	0.68
		<i>For Electrostatic Painting, Add</i>	0.08
09 91 13 00-0359	SF	Paint Ventilation Louver, SF Of Opening Area, 1 Coat Alkyd, Brush/Roller Work	0.70
		<i>For Electrostatic Painting, Add</i>	0.09
09 91 13 00-0360	SF	Paint Ventilation Louver, SF Of Opening Area, 2 Coats Alkyd, Brush/Roller Work.....	1.42
		<i>For Electrostatic Painting, Add</i>	0.18
09 91 13 00-0361		Paint Ladders <small>(09 91 13 00-0308)</small>	
09 91 13 00-0362	LF	Paint Ladders, 1 Coat Alkyd Primer, Brush/Roller Work	1.85
		<i>For Epoxy Paint, Add</i>	0.12
09 91 13 00-0363	LF	Paint Ladders, 1 Coat Alkyd Enamel, Brush/Roller Work	2.06
		<i>For Epoxy Paint, Add</i>	0.13
09 91 13 00-0364	LF	Paint Ladders, 2 Coats Alkyd Enamel, Brush/Roller Work.....	4.06
		<i>For Epoxy Paint, Add</i>	0.24
09 91 13 00-0365		Paint Handrails <small>(09 91 13 00-0308)</small>	
09 91 13 00-0366	LF	Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work.....	0.75
		<i>For Epoxy Paint, Add</i>	0.06
09 91 13 00-0367	LF	Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work.....	0.83
		<i>For Epoxy Paint, Add</i>	0.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0368	LF		Paint Hand Rail And Bracket, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work <i>For Epoxy Paint, Add</i>	1.34 0.09	
09 91 13 00-0369	LF		Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	1.12 0.09	
09 91 13 00-0370	LF		Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	1.24 0.10	
09 91 13 00-0371	LF		Paint Pipe Rail And Pickets, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	2.17 0.16	
09 91 13 00-0372	LF		Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Primer, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	1.22 0.09	
09 91 13 00-0373	LF		Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Enamel, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	1.35 0.10	
09 91 13 00-0374	LF		Paint Pipe Rail And Pickets, 2 Rails, 2 Coats Alkyd Enamel, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	2.32 0.16	
09 91 13 00-0375	LF		Paint Balustrades, 1 Coat Alkyd Primer, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	0.82 0.10	
09 91 13 00-0376	LF		Paint Balustrades, 1 Coat Alkyd Enamel, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	0.90 0.10	
09 91 13 00-0377	LF		Paint Balustrades, 2 Coats Alkyd Enamel, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	1.65 0.19	
09 91 13 00-0378			Paint Grating <small>(09 91 13 00-0308)</small>		
09 91 13 00-0379	SF		Paint Gratings And Frames, 1 Coat Primer, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	1.34 0.09	
09 91 13 00-0380	SF		Paint Gratings And Frames, 1 Coat Paint, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	1.37 0.10	
09 91 13 00-0381	SF		Paint Gratings And Frames, 2 Coats Paint, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	2.07 0.17	
09 91 13 00-0382			Other Site Work Painting <small>(09 91 13 00-0308)</small>		
09 91 13 00-0383			Paint Shutters Or Blinds, Solid Panel <small>(09 91 13 00-0382)</small>		
09 91 13 00-0384	SF		Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Brush Work.....	1.47	
09 91 13 00-0385	SF		Paint Shutter Or Blinds, Solid Panel, 1 Coat, Brush Work.....	1.48	
09 91 13 00-0386	SF		Paint Shutter Or Blinds, Solid Panel, 2 Coats, Brush Work.....	2.64	
09 91 13 00-0387	SF		Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Sprayed.....	0.86	
09 91 13 00-0388	SF		Paint Shutter Or Blinds, Solid Panel, 1 Coat, Sprayed.....	0.87	
09 91 13 00-0389	SF		Paint Shutter Or Blinds, Solid Panel, 2 Coats, Sprayed.....	1.61	
09 91 13 00-0390			Paint Shutters Or Blinds, Louvered Panel <small>(09 91 13 00-0382)</small>		
09 91 13 00-0391	SF		Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Brush Work.....	1.82	
09 91 13 00-0392	SF		Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Brush Work.....	1.83	
09 91 13 00-0393	SF		Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Brush Work.....	3.25	
09 91 13 00-0394	SF		Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Sprayed.....	1.04	
09 91 13 00-0395	SF		Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Sprayed.....	1.05	
09 91 13 00-0396	SF		Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Sprayed.....	1.93	
09 91 13 00-0397			Paint Flagpoles <small>(09 91 13 00-0382)</small>		
09 91 13 00-0398	EA		Paint Steel Flagpole, 20' High, 1 Coat Paint.....	102.21	
09 91 13 00-0399	EA		Paint Steel Flagpole, 30' High, 1 Coat Paint.....	137.89	
09 91 13 00-0400	EA		Paint Steel Flagpole, 40' High, 1 Coat Paint.....	173.56	
09 91 13 00-0401	EA		Paint Steel Flagpole, 50' High, 1 Coat Paint.....	209.27	
09 91 13 00-0402	EA		Paint Steel Flagpole, 70' High, 1 Coat Paint.....	289.50	
09 91 13 00-0403	EA		Paint Steel Flagpole, 80' High, 1 Coat Paint.....	326.30	
09 91 13 00-0404	EA		Paint Steel Flagpole, 90' High, 1 Coat Paint.....	363.11	
09 91 13 00-0405			Paint Lattice Or Trellis <small>(09 91 13 00-0382)</small>		
09 91 13 00-0406	SF		Paint Wood Lattice Or Trellis 1 Coat, Spray Per Side..... <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i>	0.67 0.44 0.21 0.09	
09 91 13 00-0407	SF		Paint Wood Lattice Or Trellis 2 Coats, Spray Per Side..... <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i>	1.25 0.80 0.38 0.16	
09 91 13 00-0408			Paint Exterior Stairs <small>(09 91 13)</small>		
09 91 13 00-0409			Paint Exterior Concrete Stairs <small>(09 91 13 00-0408)</small>		
09 91 13 00-0410	RSR		Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	8.07	
09 91 13 00-0411	RSR		Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	8.07	
09 91 13 00-0412	RSR		Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work.....	11.37	
09 91 13 00-0413	RSR		Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work.....	20.93	
09 91 13 00-0414	RSR		Paint Exterior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	16.16	
09 91 13 00-0415			Paint Exterior Metal Stairs <small>(09 91 13 00-0408)</small>		
09 91 13 00-0416	RSR		Paint Exterior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work..... <i>For Oil Based Paint, Add</i>	4.23 0.23	

09 Finishes**09 90 Painting And Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0417	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	4.23	
		<i>For Oil Based Paint, Add</i>	0.23	
09 91 13 00-0418	RSR	Paint Exterior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	8.47	
		<i>For Oil Based Paint, Add</i>	0.46	
09 91 13 00-0419		Paint Exterior Wood Stairs <small>(09 91 13 00-0408)</small>		
09 91 13 00-0420	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	4.23	
09 91 13 00-0421	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	4.23	
09 91 13 00-0422	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	7.53	
09 91 13 00-0423	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	17.09	
09 91 13 00-0424	RSR	Paint Exterior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	8.47	
09 91 13 00-0425		Paint Exterior Stair Nosing <small>(09 91 13 00-0408)</small>		
09 91 13 00-0426	LF	Paint Exterior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	0.61	
09 91 13 00-0427		Paint Exterior Trim <small>(09 91 13)</small>		
09 91 13 00-0428		Paint Exterior Metal Trim And Gutters <small>(09 91 13 00-0427)</small>		
09 91 13 00-0429	SF	Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work	0.59	
09 91 13 00-0430	SF	Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work	0.59	
09 91 13 00-0431	SF	Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work	1.10	
09 91 13 00-0432	SF	Paint Exterior Metal Trim, 1 Coat Primer, Brush/Roller Work	0.48	
09 91 13 00-0433	SF	Paint Exterior Metal Trim, 1 Coat Paint, Brush/Roller Work	0.54	
09 91 13 00-0434	SF	Paint Exterior Metal Trim, 2 Coats Paint, Brush/Roller Work	0.99	
09 91 13 00-0435	LF	Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work	0.88	
09 91 13 00-0436	LF	Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work	1.10	
09 91 13 00-0437		Paint Exterior Wood Trim <small>(09 91 13 00-0427)</small>		
09 91 13 00-0438	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush Work	0.67	
		<i>For Oil Based Paint, Add</i>	0.04	
09 91 13 00-0439	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush Work	0.72	
		<i>For Oil Based Paint, Add</i>	0.05	
09 91 13 00-0440	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush Work	1.33	
		<i>For Oil Based Paint, Add</i>	0.09	
09 91 13 00-0441	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work	0.55	
		<i>For Oil Based Paint, Add</i>	0.04	
09 91 13 00-0442	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work	0.61	
		<i>For Oil Based Paint, Add</i>	0.04	
09 91 13 00-0443	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work	1.15	
		<i>For Oil Based Paint, Add</i>	0.08	
09 91 13 00-0444		Paint Exterior Miscellaneous Metal Surfaces <small>(09 91 13)</small>		
09 91 13 00-0445	SF	Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work	0.66	
		<i>For Epoxy Paint, Add</i>	0.08	
		<i>For Electrostatic Painting, Add</i>	0.09	
09 91 13 00-0446	SF	Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work	0.61	
		<i>For Epoxy Paint, Add</i>	0.06	
		<i>For Electrostatic Painting, Add</i>	0.08	
09 91 13 00-0447	SF	Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	1.24	
		<i>For Epoxy Paint, Add</i>	0.13	
		<i>For Electrostatic Painting, Add</i>	0.16	
09 91 23		Interior Painting <small>(09 91)</small>		
		Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels.		
09 91 23 00-0001		Paint Interior Walls <small>(09 91 23)</small>		
09 91 23 00-0002		Paint Interior Brick Walls <small>(09 91 23 00-0001)</small>		
09 91 23 00-0003	SF	Paint Interior Brick Walls, 1 Coat Filler, Brush Work	0.44	
		<i>For Oil Based Paint, Add</i>	0.03	
		<i>For Up To 100, Add</i>	0.25	
		<i>For >100 To 250, Add</i>	0.12	
		<i>For >250 To 500, Add</i>	0.05	
		<i>For >2,500 To 5,000, Deduct</i>	-0.02	
		<i>For >5,000 To 10,000, Deduct</i>	-0.04	
		<i>For >10,000 To 20,000, Deduct</i>	-0.07	
		<i>For >20,000, Deduct</i>	-0.09	
09 91 23 00-0004	SF	Paint Interior Brick Walls, 1 Coat Paint, Brush Work	0.51	
		<i>For Oil Based Paint, Add</i>	0.03	
		<i>For Up To 100, Add</i>	0.29	
		<i>For >100 To 250, Add</i>	0.14	
		<i>For >250 To 500, Add</i>	0.06	
		<i>For >2,500 To 5,000, Deduct</i>	-0.03	
		<i>For >5,000 To 10,000, Deduct</i>	-0.05	
		<i>For >10,000 To 20,000, Deduct</i>	-0.08	
		<i>For >20,000, Deduct</i>	-0.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	23 00-0005	SF	Paint Interior Brick Walls, 2 Coats Paint, Brush Work.....	0.92	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91	23 00-0006	SF	Paint Interior Brick Walls, 1 Coat Filler, Brush/Roller Work.....	0.38	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	23 00-0007	SF	Paint Interior Brick Walls, 1 Coat Paint, Brush/Roller Work	0.48	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91	23 00-0008	SF	Paint Interior Brick Walls, 2 Coats Paint, Brush/Roller Work	0.83	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
09 91	23 00-0009	SF	Paint Interior Brick Walls, 1 Coat Filler, Sprayed	0.39	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	23 00-0010	SF	Paint Interior Brick Walls, 1 Coat Paint, Sprayed.....	0.46	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.21	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91	23 00-0011	SF	Paint Interior Brick Walls, 2 Coats Paint, Sprayed	0.78	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91	23 00-0012	SF	Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush Work.....	0.46	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91	23 00-0013	SF	Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush/Roller Work.....	0.40	
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	23 00-0014	SF	Paint Interior Brick Walls, 1 Coat Bonding Agent, Spray	0.42	
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	

09 91 23 00-0015 Paint Interior Concrete Walls (09 91 23 00-0001)

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0016	SF Paint Interior Concrete Walls, 1 Coat Filler, Brush Work	0.37	
	For Oil Based Paint, Add	0.02	
	For Epoxy Paint, Add	0.05	
	For Up To 100, Add	0.21	
	For >100 To 250, Add	0.10	
	For >250 To 500, Add	0.04	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 20,000, Deduct	-0.06	
	For >20,000, Deduct	-0.07	
09 91 23 00-0017	SF Paint Interior Concrete Walls, 1 Coat Paint, Brush Work	0.39	
	For Oil Based Paint, Add	0.02	
	For Epoxy Paint, Add	0.05	
	For Up To 100, Add	0.24	
	For >100 To 250, Add	0.11	
	For >250 To 500, Add	0.05	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 20,000, Deduct	-0.06	
	For >20,000, Deduct	-0.08	
09 91 23 00-0018	SF Paint Interior Concrete Walls, 2 Coats Paint, Brush Work	0.69	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.07	
	For Up To 100, Add	0.44	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.14	
09 91 23 00-0019	SF Paint Interior Concrete Walls, 1 Coat Filler, Brush/Roller Work	0.31	
	For Oil Based Paint, Add	0.02	
	For Epoxy Paint, Add	0.05	
	For Up To 100, Add	0.17	
	For >100 To 250, Add	0.08	
	For >250 To 500, Add	0.04	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 20,000, Deduct	-0.05	
	For >20,000, Deduct	-0.06	
09 91 23 00-0020	SF Paint Interior Concrete Walls, 1 Coat Paint, Brush/Roller Work	0.33	
	For Oil Based Paint, Add	0.02	
	For Epoxy Paint, Add	0.04	
	For Up To 100, Add	0.19	
	For >100 To 250, Add	0.09	
	For >250 To 500, Add	0.04	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 20,000, Deduct	-0.05	
	For >20,000, Deduct	-0.07	
09 91 23 00-0021	SF Paint Interior Concrete Walls, 2 Coats Paint, Brush/Roller Work	0.61	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.08	
	For Up To 100, Add	0.35	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 23 00-0022	SF Paint Interior Concrete Walls, 1 Coat Filler, Sprayed	0.32	
	For Oil Based Paint, Add	0.02	
	For Epoxy Paint, Add	0.06	
	For Up To 100, Add	0.16	
	For >100 To 250, Add	0.08	
	For >250 To 500, Add	0.03	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 20,000, Deduct	-0.05	
	For >20,000, Deduct	-0.06	
09 91 23 00-0023	SF Paint Interior Concrete Walls, 1 Coat Paint, Sprayed	0.34	
	For Oil Based Paint, Add	0.02	
	For Epoxy Paint, Add	0.05	
	For Up To 100, Add	0.19	
	For >100 To 250, Add	0.09	
	For >250 To 500, Add	0.04	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 20,000, Deduct	-0.05	
	For >20,000, Deduct	-0.07	
09 91 23 00-0024	SF Paint Interior Concrete Walls, 2 Coats Paint, Sprayed	0.57	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.10	
	For Up To 100, Add	0.29	
	For >100 To 250, Add	0.14	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0025	SF		Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush Work.....	0.40	
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 23 00-0026	SF		Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush/Roller Work	0.34	
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91 23 00-0027	SF		Paint Interior Concrete Walls, 1 Coat Bonding Agent, Sprayed.....	0.34	
			For Up To 100, Add	0.16	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91 23 00-0028			Paint Interior Concrete Block Walls (09 91 23 00-0001)		
09 91 23 00-0029			Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0028)		
09 91 23 00-0030	SF		Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work.....	0.54	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 23 00-0031	SF		Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush.....	0.61	
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0032	SF		Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work	1.10	
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0033	SF		Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work	0.47	
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0034	SF		Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work.....	0.51	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 23 00-0035	SF		Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work	0.95	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 23 00-0036	SF		Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed.....	0.46	
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	

09 Finishes

09 90 Painting And Coating

09 91 Painting


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0037	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed.....	0.54
		For Up To 100, Add	0.26
		For >100 To 250, Add	0.13
		For >250 To 500, Add	0.06
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 20,000, Deduct	-0.08
		For >20,000, Deduct	-0.11
09 91 23 00-0038	SF	Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed.....	1.01
		For Up To 100, Add	0.44
		For >100 To 250, Add	0.22
		For >250 To 500, Add	0.10
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.10
		For >10,000 To 20,000, Deduct	-0.15
		For >20,000, Deduct	-0.20
09 91 23 00-0039		Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0028)	
09 91 23 00-0040	SF	Paint Interior Concrete Block Walls, 1 Coat Filler, Brush Work.....	0.48
		For Oil Based Paint, Add	0.03
		For Up To 100, Add	0.28
		For >100 To 250, Add	0.13
		For >250 To 500, Add	0.06
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 20,000, Deduct	-0.07
		For >20,000, Deduct	-0.10
09 91 23 00-0041	SF	Paint Interior Concrete Block Walls, 1 Coat Paint, Brush Work.....	0.57
		For Oil Based Paint, Add	0.04
		For Up To 100, Add	0.32
		For >100 To 250, Add	0.15
		For >250 To 500, Add	0.07
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000 To 20,000, Deduct	-0.09
		For >20,000, Deduct	-0.11
09 91 23 00-0042	SF	Paint Interior Concrete Block Walls, 2 Coats Paint, Brush Work.....	1.06
		For Oil Based Paint, Add	0.07
		For Up To 100, Add	0.57
		For >100 To 250, Add	0.28
		For >250 To 500, Add	0.12
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.11
		For >10,000 To 20,000, Deduct	-0.16
		For >20,000, Deduct	-0.21
09 91 23 00-0043	SF	Paint Interior Concrete Block Walls, Texture Coat, Brush Work.....	0.64
		For Oil Based Paint, Add	0.04
		For Up To 100, Add	0.35
		For >100 To 250, Add	0.17
		For >250 To 500, Add	0.08
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000 To 20,000, Deduct	-0.10
		For >20,000, Deduct	-0.13
09 91 23 00-0044	SF	Paint Interior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work.....	0.41
		For Oil Based Paint, Add	0.03
		For Up To 100, Add	0.22
		For >100 To 250, Add	0.11
		For >250 To 500, Add	0.05
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 20,000, Deduct	-0.06
		For >20,000, Deduct	-0.08
09 91 23 00-0045	SF	Paint Interior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work.....	0.49
		For Oil Based Paint, Add	0.03
		For Up To 100, Add	0.26
		For >100 To 250, Add	0.13
		For >250 To 500, Add	0.06
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 20,000, Deduct	-0.07
		For >20,000, Deduct	-0.10
09 91 23 00-0046	SF	Paint Interior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work.....	0.92
		For Oil Based Paint, Add	0.06
		For Up To 100, Add	0.47
		For >100 To 250, Add	0.23
		For >250 To 500, Add	0.10
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.09
		For >10,000 To 20,000, Deduct	-0.14
		For >20,000, Deduct	-0.18
09 91 23 00-0047	SF	Paint Interior Concrete Block Walls, Texture Coat, Brush/Roller Work.....	0.56
		For Oil Based Paint, Add	0.04
		For Up To 100, Add	0.29
		For >100 To 250, Add	0.14
		For >250 To 500, Add	0.06
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000 To 20,000, Deduct	-0.08
		For >20,000, Deduct	-0.11



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0048	SF		Paint Interior Concrete Block Walls, 1 Coat Filler, Sprayed.....	0.44	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0049	SF		Paint Interior Concrete Block Walls, 1 Coat Paint, Sprayed	0.52	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 23 00-0050	SF		Paint Interior Concrete Block Walls, 2 Coats Paint, Sprayed.....	0.72	
			For Oil Based Paint, Add	0.05	
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 23 00-0051	SF		Paint Interior Concrete Block Walls, Texture Coat, Sprayed	0.61	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0052			Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0028)		
09 91 23 00-0053	SF		Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush	0.50	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 23 00-0054	SF		Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush/Roller Work.....	0.43	
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.09	
09 91 23 00-0055	SF		Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Sprayed	0.48	
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 23 00-0056			Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)		
09 91 23 00-0057			Paint Interior Plaster/Drywall Walls (09 91 23 00-0056)		
09 91 23 00-0058	SF		Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush Work	0.38	
			For Oil Based Paint, Add	0.02	
			For Orange Peel Finish, Add	0.05	
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 23 00-0059	SF		Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush Work.....	0.39	
			For Oil Based Paint, Add	0.02	
			For Orange Peel Finish, Add	0.05	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0060	SF		Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush Work.....	0.73	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.10	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0061	SF		Paint Interior Plaster/Drywall Walls, 3 Coats Paint, Brush.....	1.04	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.14	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0062	SF		Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush/Roller Work.....	0.32	
			For Oil Based Paint, Add	0.02	
			For Orange Peel Finish, Add	0.04	
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91 23 00-0063	SF		Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush/Roller Work.....	0.35	
			For Oil Based Paint, Add	0.02	
			For Orange Peel Finish, Add	0.05	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91 23 00-0064	SF		Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush/Roller Work.....	0.63	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.08	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
09 91 23 00-0065	SF		Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Sprayed.....	0.31	
			For Oil Based Paint, Add	0.02	
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91 23 00-0066	SF		Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Sprayed.....	0.34	
			For Oil Based Paint, Add	0.02	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91 23 00-0067	SF		Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Sprayed.....	0.57	
			For Oil Based Paint, Add	0.04	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.11	

09 91 23 00-0068 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint (09 91 23 00-0056)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0069	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 2 Tone Polymix With Base Coat, Sprayed	1.09	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 23 00-0070	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 3 Tone Polymix With Base Coat, Sprayed	1.20	
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0071	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 4 Tone Polymix With Base Coat, Sprayed	1.32	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 23 00-0072			Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0056)		
09 91 23 00-0073	SF		Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Primer, Sprayed.....	0.41	
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 23 00-0074	SF		Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Finish, Sprayed.....	0.47	
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0075	SF		Paint Interior Plaster/Drywall Walls, Acoustic Texture, 2 Coats Finish, Sprayed	0.77	
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 23 00-0076	SF		Paint Interior Plaster/Drywall Walls, Stipple Finish (Drippowder).....	0.74	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0077			Paint Interior Metal Walls (09 91 23 00-0001)		
09 91 23 00-0078			Paint Interior Galvanized Walls (09 91 23 00-0077)		
			Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0079	SF		Paint Interior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work.....	0.46	
			For Electrostatic Painting, Add	0.07	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0080	SF		Paint Interior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work	0.50	
			For Electrostatic Painting, Add	0.07	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	

09 Finishes

09 90 Painting And Coating

09 91 Painting


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0081	SF	Paint Interior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work.....	0.92
		For Electrostatic Painting, Add	0.14
		For Up To 100, Add	0.50
		For >100 To 250, Add	0.24
		For >250 To 500, Add	0.11
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.09
		For >10,000 To 20,000, Deduct	-0.14
		For >20,000, Deduct	-0.18
09 91 23 00-0082	SF	Paint Interior Galvanized Walls, 1 Coat Primer, Brush/Roller Work.....	0.35
		For Electrostatic Painting, Add	0.05
		For Up To 100, Add	0.18
		For >100 To 250, Add	0.09
		For >250 To 500, Add	0.04
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 20,000, Deduct	-0.05
		For >20,000, Deduct	-0.07
09 91 23 00-0083	SF	Paint Interior Galvanized Wall , 1 Coat Paint, Brush/Roller Work	0.40
		For Electrostatic Painting, Add	0.06
		For Up To 100, Add	0.22
		For >100 To 250, Add	0.11
		For >250 To 500, Add	0.05
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 20,000, Deduct	-0.06
		For >20,000, Deduct	-0.08
09 91 23 00-0084	SF	Paint Interior Galvanized Walls, 2 Coats Paint, Brush/Roller Work.....	0.75
		For Electrostatic Painting, Add	0.12
		For Up To 100, Add	0.39
		For >100 To 250, Add	0.19
		For >250 To 500, Add	0.08
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000 To 20,000, Deduct	-0.11
		For >20,000, Deduct	-0.15
09 91 23 00-0085	SF	Paint Interior Galvanized Walls, 1 Coat Primer, Sprayed.....	0.34
		For Electrostatic Painting, Add	0.06
		For Up To 100, Add	0.15
		For >100 To 250, Add	0.07
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.05
		For >20,000, Deduct	-0.07
09 91 23 00-0086	SF	Paint Interior Galvanized Walls, 1 Coat Paint, Sprayed.....	0.44
		For Electrostatic Painting, Add	0.07
		For Up To 100, Add	0.22
		For >100 To 250, Add	0.11
		For >250 To 500, Add	0.05
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 20,000, Deduct	-0.07
		For >20,000, Deduct	-0.09
09 91 23 00-0087	SF	Paint Interior Galvanized Walls, 2 Coats Paint, Sprayed	0.75
		For Electrostatic Painting, Add	0.13
		For Up To 100, Add	0.34
		For >100 To 250, Add	0.17
		For >250 To 500, Add	0.08
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000 To 20,000, Deduct	-0.11
		For >20,000, Deduct	-0.15
09 91 23 00-0088		Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0077)	
		Note: Alkyd enamel paint.	
09 91 23 00-0089	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work.....	0.46
		For Electrostatic Painting, Add	0.07
		For Up To 100, Add	0.25
		For >100 To 250, Add	0.12
		For >250 To 500, Add	0.05
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 20,000, Deduct	-0.07
		For >20,000, Deduct	-0.09
09 91 23 00-0090	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work	0.50
		For Electrostatic Painting, Add	0.07
		For Up To 100, Add	0.28
		For >100 To 250, Add	0.14
		For >250 To 500, Add	0.06
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 20,000, Deduct	-0.08
		For >20,000, Deduct	-0.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0091	SF		Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work .....0.92		
			For Electrostatic Painting, Add	0.14	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0092	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work.....0.40		
			For Electrostatic Painting, Add	0.07	
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 23 00-0093	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work .....0.44		
			For Electrostatic Painting, Add	0.07	
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0094	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work .....0.84		
			For Electrostatic Painting, Add	0.14	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0095	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed.....0.38		
			For Electrostatic Painting, Add	0.07	
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 23 00-0096	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed.....0.44		
			For Electrostatic Painting, Add	0.07	
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0097	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed.....0.75		
			For Electrostatic Painting, Add	0.13	
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0098			Paint Interior Corrugated Metal Walls (09 91 23 00-0077).....0.42		
09 91 23 00-0099	SF		Paint Interior Corrugated Metal Walls, 1 Coat Primer, Sprayed.....0.42		
			For Electrostatic Painting, Add	0.07	
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 23 00-0100	SF		Paint Interior Corrugated Metal Walls, 1 Coat Paint, Sprayed .....0.55		
			For Electrostatic Painting, Add	0.09	
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	

09 Finishes

09 90 Painting And Coating

09 91 Painting


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0101	SF	Paint Interior Corrugated Metal Walls, 2 Coats Paint, Sprayed	0.93
		For Electrostatic Painting, Add	0.16
		For Up To 100, Add	0.45
		For >100 To 250, Add	0.22
		For >250 To 500, Add	0.10
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.09
		For >10,000 To 20,000, Deduct	-0.14
		For >20,000, Deduct	-0.19
09 91 23 00-0102		Paint Interior Stucco Walls (09 91 23 00-0001)	
09 91 23 00-0103	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush Work.....	0.61
		For Oil Based Paint, Add	0.04
		For Up To 100, Add	0.37
		For >100 To 250, Add	0.18
		For >250 To 500, Add	0.08
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000 To 20,000, Deduct	-0.09
		For >20,000, Deduct	-0.12
09 91 23 00-0104	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush Work	0.67
		For Oil Based Paint, Add	0.04
		For Up To 100, Add	0.41
		For >100 To 250, Add	0.19
		For >250 To 500, Add	0.08
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.10
		For >20,000, Deduct	-0.13
09 91 23 00-0105	SF	Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush Work	1.21
		For Oil Based Paint, Add	0.08
		For Up To 100, Add	0.72
		For >100 To 250, Add	0.34
		For >250 To 500, Add	0.15
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 20,000, Deduct	-0.18
		For >20,000, Deduct	-0.24
09 91 23 00-0106	SF	Paint Interior Stucco Walls, 1 Coat Primer, Brush/Roller Work.....	0.48
		For Oil Based Paint, Add	0.03
		For Up To 100, Add	0.28
		For >100 To 250, Add	0.13
		For >250 To 500, Add	0.06
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 20,000, Deduct	-0.07
		For >20,000, Deduct	-0.10
09 91 23 00-0107	SF	Paint Interior Stucco Walls, 1 Coat Paint, Brush/Roller Work	0.54
		For Oil Based Paint, Add	0.04
		For Up To 100, Add	0.31
		For >100 To 250, Add	0.15
		For >250 To 500, Add	0.07
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 20,000, Deduct	-0.08
		For >20,000, Deduct	-0.11
09 91 23 00-0108	SF	Paint Interior Stucco Walls, 2 Coats Paint, Brush/Roller Work	1.01
		For Oil Based Paint, Add	0.07
		For Up To 100, Add	0.57
		For >100 To 250, Add	0.27
		For >250 To 500, Add	0.12
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.10
		For >10,000 To 20,000, Deduct	-0.15
		For >20,000, Deduct	-0.20
09 91 23 00-0109	SF	Paint Interior Stucco Walls, 1 Coat Primer, Sprayed.....	0.43
		For Oil Based Paint, Add	0.03
		For Up To 100, Add	0.23
		For >100 To 250, Add	0.11
		For >250 To 500, Add	0.05
		For >2,500 To 5,000, Deduct	-0.02
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 20,000, Deduct	-0.06
		For >20,000, Deduct	-0.09
09 91 23 00-0110	SF	Paint Interior Stucco Walls, 1 Coat Paint, Sprayed.....	0.54
		For Oil Based Paint, Add	0.04
		For Up To 100, Add	0.28
		For >100 To 250, Add	0.14
		For >250 To 500, Add	0.06
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 20,000, Deduct	-0.08
		For >20,000, Deduct	-0.11



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	23 00-0111	SF	Paint Interior Stucco Walls, 2 Coats Paint, Sprayed.....	1.02	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.54	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.20	
09 91	23 00-0112		Paint Interior Wood Walls (09 91 23 00-0001)		
09 91	23 00-0113		Interior Wood Walls (09 91 23 00-0112)		
09 91	23 00-0114	SF	Paint Interior Wood Wall Surfaces, 1 Coat Paint, Brush Work.....	0.46	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.28	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91	23 00-0115	SF	Paint Interior Wood Wall Surfaces, 2 Coats Paint, Brush Work.....	0.86	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.51	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.17	
09 91	23 00-0116	SF	Paint Interior Wood Wall Surfaces, 3 Coats Paint, Brush Work.....	1.22	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.71	
			<i>For >100 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.24	
09 91	23 00-0117	SF	Paint Interior Wood Walls, 1 Coat Primer, Brush/Roller Work	0.34	
			<i>For Oil Based Paint, Add</i>	0.02	
			<i>For Up To 100, Add</i>	0.19	
			<i>For >100 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.05	
			<i>For >20,000, Deduct</i>	-0.07	
09 91	23 00-0118	SF	Paint Interior Wood Walls, 1 Coat Paint, Brush/Roller Work.....	0.38	
			<i>For Oil Based Paint, Add</i>	0.02	
			<i>For Up To 100, Add</i>	0.22	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.08	
09 91	23 00-0119	SF	Paint Interior Wood Walls, 2 Coats Paint, Brush/Roller Work.....	0.69	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.14	
09 91	23 00-0120	SF	Paint Interior Wood Walls, 1 Coat Primer, Sprayed.....	0.31	
			<i>For Oil Based Paint, Add</i>	0.02	
			<i>For Up To 100, Add</i>	0.15	
			<i>For >100 To 250, Add</i>	0.07	
			<i>For >250 To 500, Add</i>	0.03	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.05	
			<i>For >20,000, Deduct</i>	-0.06	
09 91	23 00-0121	SF	Paint Interior Wood Walls, 1 Coat Paint, Sprayed	0.39	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.20	
			<i>For >100 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.08	

09 Finishes

09 90 Painting And Coating

09 91 Painting


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0122	SF	Paint Interior Wood Walls, 2 Coats Paint, Sprayed.....	0.73	
		For Oil Based Paint, Add	0.05	
		For Up To 100, Add	0.36	
		For >100 To 250, Add	0.18	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	
09 91 23 00-0123		Paint Interior Ceilings <small>(09 91 23)</small>		
09 91 23 00-0124		Paint Interior Acoustical Ceilings <small>(09 91 23 00-0123)</small>		
		Note: Includes grid.		
09 91 23 00-0125	SF	Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush Work.....	0.41	
		For Oil Based Paint, Add	0.03	
		For Up To 100, Add	0.24	
		For >100 To 250, Add	0.12	
		For >250 To 500, Add	0.05	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 20,000, Deduct	-0.06	
		For >20,000, Deduct	-0.08	
09 91 23 00-0126	SF	Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush Work.....	0.43	
		For Oil Based Paint, Add	0.03	
		For Up To 100, Add	0.27	
		For >100 To 250, Add	0.13	
		For >250 To 500, Add	0.06	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 20,000, Deduct	-0.06	
		For >20,000, Deduct	-0.09	
09 91 23 00-0127	SF	Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush Work.....	0.78	
		For Oil Based Paint, Add	0.05	
		For Up To 100, Add	0.48	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 23 00-0128	SF	Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.36	
		For Oil Based Paint, Add	0.02	
		For Up To 100, Add	0.20	
		For >100 To 250, Add	0.10	
		For >250 To 500, Add	0.04	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 20,000, Deduct	-0.05	
		For >20,000, Deduct	-0.07	
09 91 23 00-0129	SF	Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.35	
		For Oil Based Paint, Add	0.02	
		For Up To 100, Add	0.21	
		For >100 To 250, Add	0.10	
		For >250 To 500, Add	0.04	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 20,000, Deduct	-0.05	
		For >20,000, Deduct	-0.07	
09 91 23 00-0130	SF	Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.65	
		For Oil Based Paint, Add	0.04	
		For Up To 100, Add	0.38	
		For >100 To 250, Add	0.18	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.10	
		For >20,000, Deduct	-0.13	
09 91 23 00-0131	SF	Paint Interior Acoustical Ceiling, 1 Coat Primer, Sprayed.....	0.40	
		For Oil Based Paint, Add	0.03	
		For Up To 100, Add	0.22	
		For >100 To 250, Add	0.11	
		For >250 To 500, Add	0.05	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 20,000, Deduct	-0.06	
		For >20,000, Deduct	-0.08	
09 91 23 00-0132	SF	Paint Interior Acoustical Ceiling, 1 Coat Paint, Sprayed.....	0.37	
		For Oil Based Paint, Add	0.02	
		For Up To 100, Add	0.21	
		For >100 To 250, Add	0.10	
		For >250 To 500, Add	0.04	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 20,000, Deduct	-0.06	
		For >20,000, Deduct	-0.07	



Finishes	09	
Painting And Coating	09 90	3
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0133 SF Paint Interior Acoustical Ceiling, 2 Coats Paint, Sprayed	0.62	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0134 Paint Interior Concrete Ceilings (09 91 23 00-0123)		
09 91 23 00-0135 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Brush Work	0.41	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0136 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Brush Work.....	0.43	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 23 00-0137 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Brush Work.....	0.78	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0138 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.33	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 23 00-0139 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work	0.35	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.04	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 23 00-0140 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0141 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Sprayed	0.37	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.19	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.07	

09 Finishes

09 90 Painting And Coating

09 91 Painting


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0142	SF	Paint Interior Concrete Ceiling, 1 Coat Paint, Sprayed.....	0.37
		<i>For Oil Based Paint, Add</i>	0.02
		<i>For Epoxy Paint, Add</i>	0.05
		<i>For Up To 100, Add</i>	0.21
		<i>For >100 To 250, Add</i>	0.10
		<i>For >250 To 500, Add</i>	0.04
		<i>For >2,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000 To 10,000, Deduct</i>	-0.04
		<i>For >10,000 To 20,000, Deduct</i>	-0.06
		<i>For >20,000, Deduct</i>	-0.07
09 91 23 00-0143	SF	Paint Interior Concrete Ceiling, 2 Coats Paint, Sprayed.....	0.61
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Epoxy Paint, Add</i>	0.10
		<i>For Up To 100, Add</i>	0.32
		<i>For >100 To 250, Add</i>	0.16
		<i>For >250 To 500, Add</i>	0.07
		<i>For >2,500 To 5,000, Deduct</i>	-0.03
		<i>For >5,000 To 10,000, Deduct</i>	-0.06
		<i>For >10,000 To 20,000, Deduct</i>	-0.09
		<i>For >20,000, Deduct</i>	-0.12
09 91 23 00-0144	SF	Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush Work.....	0.44
		<i>For Up To 100, Add</i>	0.25
		<i>For >100 To 250, Add</i>	0.12
		<i>For >250 To 500, Add</i>	0.05
		<i>For >2,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000 To 10,000, Deduct</i>	-0.04
		<i>For >10,000 To 20,000, Deduct</i>	-0.07
		<i>For >20,000, Deduct</i>	-0.09
09 91 23 00-0145	SF	Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush/Roller.....	0.36
		<i>For Up To 100, Add</i>	0.19
		<i>For >100 To 250, Add</i>	0.09
		<i>For >250 To 500, Add</i>	0.04
		<i>For >2,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000 To 10,000, Deduct</i>	-0.04
		<i>For >10,000 To 20,000, Deduct</i>	-0.05
		<i>For >20,000, Deduct</i>	-0.07
09 91 23 00-0146	SF	Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Sprayed.....	0.39
		<i>For Up To 100, Add</i>	0.20
		<i>For >100 To 250, Add</i>	0.10
		<i>For >250 To 500, Add</i>	0.04
		<i>For >2,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000 To 10,000, Deduct</i>	-0.04
		<i>For >10,000 To 20,000, Deduct</i>	-0.06
		<i>For >20,000, Deduct</i>	-0.08
09 91 23 00-0147		Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0123).....	0.41
09 91 23 00-0148	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work.....	0.41
		<i>For Oil Based Paint, Add</i>	0.03
		<i>For Orange Peel Finish, Add</i>	0.05
		<i>For Up To 100, Add</i>	0.24
		<i>For >100 To 250, Add</i>	0.12
		<i>For >250 To 500, Add</i>	0.05
		<i>For >2,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000 To 10,000, Deduct</i>	-0.04
		<i>For >10,000 To 20,000, Deduct</i>	-0.06
		<i>For >20,000, Deduct</i>	-0.08
09 91 23 00-0149	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work.....	0.43
		<i>For Oil Based Paint, Add</i>	0.03
		<i>For Orange Peel Finish, Add</i>	0.06
		<i>For Up To 100, Add</i>	0.27
		<i>For >100 To 250, Add</i>	0.13
		<i>For >250 To 500, Add</i>	0.06
		<i>For >2,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000 To 10,000, Deduct</i>	-0.04
		<i>For >10,000 To 20,000, Deduct</i>	-0.06
		<i>For >20,000, Deduct</i>	-0.09
09 91 23 00-0150	SF	Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work.....	0.78
		<i>For Oil Based Paint, Add</i>	0.05
		<i>For Orange Peel Finish, Add</i>	0.11
		<i>For Up To 100, Add</i>	0.48
		<i>For >100 To 250, Add</i>	0.23
		<i>For >250 To 500, Add</i>	0.10
		<i>For >2,500 To 5,000, Deduct</i>	-0.04
		<i>For >5,000 To 10,000, Deduct</i>	-0.08
		<i>For >10,000 To 20,000, Deduct</i>	-0.12
		<i>For >20,000, Deduct</i>	-0.16
09 91 23 00-0151	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.36
		<i>For Oil Based Paint, Add</i>	0.02
		<i>For Orange Peel Finish, Add</i>	0.05
		<i>For Up To 100, Add</i>	0.20
		<i>For >100 To 250, Add</i>	0.10
		<i>For >250 To 500, Add</i>	0.04
		<i>For >2,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000 To 10,000, Deduct</i>	-0.04
		<i>For >10,000 To 20,000, Deduct</i>	-0.05
		<i>For >20,000, Deduct</i>	-0.07



Finishes	09	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0152 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work	0.35	
For Oil Based Paint, Add	0.02	
For Orange Peel Finish, Add	0.05	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 23 00-0153 SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work	0.65	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.09	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0154 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed	0.40	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0155 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed.....	0.37	
For Oil Based Paint, Add	0.02	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.07	
09 91 23 00-0156 SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed.....	0.62	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
 09 91 23 00-0157 Paint Interior Metal Ceilings (09 91 23 00-0123)		
09 91 23 00-0158 Galvanized Surfaces, Galvanized Primer (09 91 23 00-0157)		
Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0159 SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush Work	0.50	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0160 SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush Work	0.55	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0161 SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush Work	1.01	
For Electrostatic Painting, Add	0.15	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0162 SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work	0.39	
For Electrostatic Painting, Add	0.06	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0163	SF		Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.43	
			For Electrostatic Painting, Add	0.06	
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.09	
09 91 23 00-0164	SF		Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.81	
			For Electrostatic Painting, Add	0.12	
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0165	SF		Paint Interior Galvanized Ceiling, 1 Coat Primer, Sprayed.....	0.44	
			For Electrostatic Painting, Add	0.07	
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0166	SF		Paint Interior Galvanized Ceiling, 1 Coat Paint, Sprayed.....	0.50	
			For Electrostatic Painting, Add	0.08	
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 23 00-0167	SF		Paint Interior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	0.82	
			For Electrostatic Painting, Add	0.14	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0168			Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 23 00-0157)		
			Note: Alkyd enamel paint.		
09 91 23 00-0169	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work.....	0.50	
			For Electrostatic Painting, Add	0.07	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 23 00-0170	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work.....	0.55	
			For Electrostatic Painting, Add	0.08	
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 23 00-0171	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work.....	1.01	
			For Electrostatic Painting, Add	0.15	
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0172	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.44	
			For Electrostatic Painting, Add	0.07	
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0173	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work	0.48	
			For Electrostatic Painting, Add	0.08	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 23 00-0174	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work	0.93	
			For Electrostatic Painting, Add	0.15	
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 23 00-0175	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed	0.44	
			For Electrostatic Painting, Add	0.07	
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0176	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed.....	0.50	
			For Electrostatic Painting, Add	0.08	
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 23 00-0177	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	0.82	
			For Electrostatic Painting, Add	0.14	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0178			Paint Interior Ceiling Tile Grid (09 91 23 00-0157)		
			Note: Grid only.		
09 91 23 00-0179	LF		Paint Interior Ceiling Tile Grid, 1 Coat Paint, Brush/Roller Work	0.10	
			For Electrostatic Painting, Add	0.01	
			For Up To 100, Add	0.06	
			For >100 To 250, Add	0.03	
			For >250 To 500, Add	0.01	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.02	
09 91 23 00-0180	LF		Paint Interior Ceiling Tile Grid, 2 Coats Paint, Brush/Roller Work.....	0.21	
			For Electrostatic Painting, Add	0.03	
			For Up To 100, Add	0.13	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 23 00-0181			Paint Interior Corrugated Metal Ceilings (09 91 23 00-0157)		
09 91 23 00-0182	SF		Paint Interior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed.....	0.58	
			For Electrostatic Painting, Add	0.09	
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0183	SF		Paint Interior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	0.67	
			For Electrostatic Painting, Add	0.10	
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0184	SF		Paint Interior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed	1.09	
			For Electrostatic Painting, Add	0.18	
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	

09 91 23 00-0185 **Paint Interior Wood Ceilings** (09 91 23 00-0123)
09 91 23 00-0186 **Paint Interior Smooth Wood Ceilings** (09 91 23 00-0185)

09 91 23 00-0187	SF		Paint Interior Wood Smooth Ceiling, 1 Coat Primer, Brush Work	0.52	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 23 00-0188	SF		Paint Interior Wood Smooth Ceiling, 1 Coat Paint, Brush Work.....	0.53	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 23 00-0189	SF		Paint Interior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	0.97	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.19	
09 91 23 00-0190	SF		Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.44	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0191	SF		Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work	0.46	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0192	SF		Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.88	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0193	SF		Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Sprayed.....	0.40	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 23 00-0194	SF		Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.47	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0195	SF		Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Sprayed.....	0.73	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0196			Paint Interior Wood Beams (09 91 23 00-0123)		
09 91 23 00-0197	SF		Paint Interior Wood Beams, 1 Coat Primer, Brush Work.....	0.56	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.32	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.11	
09 91 23 00-0198	SF		Paint Interior Wood Beams, 1 Coat Paint, Brush Work.....	0.56	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.34	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.08	
			<i>For >20,000, Deduct</i>	-0.11	
09 91 23 00-0199	SF		Paint Interior Wood Beams, 2 Coats Paint, Brush Work.....	1.04	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.61	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.21	
09 91 23 00-0200	SF		Paint Interior Wood Beams, 1 Coat Primer, Brush/Roller Work.....	0.48	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.25	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0201	SF		Paint Interior Wood Beams, 1 Coat Paint, Brush/Roller Work.....	0.46	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.25	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91 23 00-0202	SF		Paint Interior Wood Beams, 2 Coats Paint, Brush/Roller Work.....	0.88	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0203	SF		Paint Interior Wood Beams, 1 Coat Primer, Sprayed.....	0.47	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91 23 00-0204	SF		Paint Interior Wood Beams, 1 Coat Paint, Sprayed.....	0.46	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.26	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0205	SF Paint Interior Wood Beams, 2 Coats Paint, Sprayed	0.78	
	For Oil Based Paint, Add	0.05	
	For Up To 100, Add	0.42	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 23 00-0206	Paint Interior Floors And Decks <small>(09 91 23)</small>		
09 91 23 00-0207	Paint Interior Concrete Floors And Decks <small>(09 91 23 00-0206)</small>		
09 91 23 00-0208	SF Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush Work	0.33	
	For Oil Based Paint, Add	0.02	
	For Epoxy Paint, Add	0.05	
	For Up To 100, Add	0.18	
	For >100 To 250, Add	0.09	
	For >250 To 500, Add	0.04	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 20,000, Deduct	-0.05	
	For >20,000, Deduct	-0.07	
09 91 23 00-0209	SF Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush Work	0.35	
	For Oil Based Paint, Add	0.02	
	For Epoxy Paint, Add	0.04	
	For Up To 100, Add	0.21	
	For >100 To 250, Add	0.10	
	For >250 To 500, Add	0.04	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 20,000, Deduct	-0.05	
	For >20,000, Deduct	-0.07	
09 91 23 00-0210	SF Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush Work	0.68	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.09	
	For Up To 100, Add	0.40	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.14	
09 91 23 00-0211	SF Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.32	
	For Oil Based Paint, Add	0.02	
	For Epoxy Paint, Add	0.05	
	For Up To 100, Add	0.17	
	For >100 To 250, Add	0.08	
	For >250 To 500, Add	0.04	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 20,000, Deduct	-0.05	
	For >20,000, Deduct	-0.06	
09 91 23 00-0212	SF Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.31	
	For Oil Based Paint, Add	0.02	
	For Epoxy Paint, Add	0.04	
	For Up To 100, Add	0.18	
	For >100 To 250, Add	0.09	
	For >250 To 500, Add	0.04	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 20,000, Deduct	-0.05	
	For >20,000, Deduct	-0.06	
09 91 23 00-0213	SF Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work	0.52	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.08	
	For Up To 100, Add	0.28	
	For >100 To 250, Add	0.14	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.10	
09 91 23 00-0214	SF Paint Interior Concrete Floors And Decks, 1 Coat Primer, Sprayed	0.31	
	For Oil Based Paint, Add	0.02	
	For Epoxy Paint, Add	0.06	
	For Up To 100, Add	0.15	
	For >100 To 250, Add	0.07	
	For >250 To 500, Add	0.03	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 20,000, Deduct	-0.05	
	For >20,000, Deduct	-0.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0215	SF		Paint Interior Concrete Floors And Decks, 1 Coat Paint, Sprayed.....	0.31	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.05	
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91 23 00-0216	SF		Paint Interior Concrete Floors And Decks, 2 Coats Paint, Sprayed.....	0.56	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 23 00-0217	SF		Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush	0.36	
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91 23 00-0218	SF		Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush/Roller Work.....	0.35	
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91 23 00-0219	SF		Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Sprayed	0.33	
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91 23 00-0220	SF		Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.13	
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0221	SF		Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work (Rust-Oleum® AS91864251).....	3.52	
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.18	
			For >5,000 To 10,000, Deduct	-0.35	
			For >10,000 To 20,000, Deduct	-0.53	
			For >20,000, Deduct	-0.70	
09 91 23 00-0222			Paint Interior Wood Floors And Decks (09 91 23 00-0206)		
09 91 23 00-0223	SF		Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush Work.....	0.42	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 23 00-0224	SF		Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush Work.....	0.44	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0225	SF		Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush Work.....	0.84	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	

09 Finishes

09 90 Painting And Coating

09 91 Painting


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0226	SF	Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.36	
		<i>For Oil Based Paint, Add</i>	0.03	
		<i>For Up To 100, Add</i>	0.16	
		<i>For >100 To 250, Add</i>	0.08	
		<i>For >250 To 500, Add</i>	0.04	
		<i>For >2,500 To 5,000, Deduct</i>	-0.02	
		<i>For >5,000 To 10,000, Deduct</i>	-0.04	
		<i>For >10,000 To 20,000, Deduct</i>	-0.05	
		<i>For >20,000, Deduct</i>	-0.07	
09 91 23 00-0227	SF	Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.38	
		<i>For Oil Based Paint, Add</i>	0.03	
		<i>For Up To 100, Add</i>	0.19	
		<i>For >100 To 250, Add</i>	0.09	
		<i>For >250 To 500, Add</i>	0.04	
		<i>For >2,500 To 5,000, Deduct</i>	-0.02	
		<i>For >5,000 To 10,000, Deduct</i>	-0.04	
		<i>For >10,000 To 20,000, Deduct</i>	-0.06	
		<i>For >20,000, Deduct</i>	-0.08	
09 91 23 00-0228	SF	Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	0.74	
		<i>For Oil Based Paint, Add</i>	0.05	
		<i>For Up To 100, Add</i>	0.36	
		<i>For >100 To 250, Add</i>	0.18	
		<i>For >250 To 500, Add</i>	0.08	
		<i>For >2,500 To 5,000, Deduct</i>	-0.04	
		<i>For >5,000 To 10,000, Deduct</i>	-0.07	
		<i>For >10,000 To 20,000, Deduct</i>	-0.11	
		<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0229	SF	Paint Interior Wood Floors And Decks, 1 Coat Primer, Sprayed.....	0.34	
		<i>For Oil Based Paint, Add</i>	0.02	
		<i>For Up To 100, Add</i>	0.17	
		<i>For >100 To 250, Add</i>	0.08	
		<i>For >250 To 500, Add</i>	0.04	
		<i>For >2,500 To 5,000, Deduct</i>	-0.02	
		<i>For >5,000 To 10,000, Deduct</i>	-0.03	
		<i>For >10,000 To 20,000, Deduct</i>	-0.05	
		<i>For >20,000, Deduct</i>	-0.07	
09 91 23 00-0230	SF	Paint Interior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.40	
		<i>For Oil Based Paint, Add</i>	0.03	
		<i>For Up To 100, Add</i>	0.22	
		<i>For >100 To 250, Add</i>	0.11	
		<i>For >250 To 500, Add</i>	0.05	
		<i>For >2,500 To 5,000, Deduct</i>	-0.02	
		<i>For >5,000 To 10,000, Deduct</i>	-0.04	
		<i>For >10,000 To 20,000, Deduct</i>	-0.06	
		<i>For >20,000, Deduct</i>	-0.08	
09 91 23 00-0231	SF	Paint Interior Wood Floors And Decks, 2 Coats Paint, Sprayed	0.61	
		<i>For Oil Based Paint, Add</i>	0.04	
		<i>For Up To 100, Add</i>	0.29	
		<i>For >100 To 250, Add</i>	0.14	
		<i>For >250 To 500, Add</i>	0.06	
		<i>For >2,500 To 5,000, Deduct</i>	-0.03	
		<i>For >5,000 To 10,000, Deduct</i>	-0.06	
		<i>For >10,000 To 20,000, Deduct</i>	-0.09	
		<i>For >20,000, Deduct</i>	-0.12	
09 91 23 00-0232	SF	Paint Interior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.13	
		<i>For Up To 100, Add</i>	0.33	
		<i>For >100 To 250, Add</i>	0.18	
		<i>For >250 To 500, Add</i>	0.08	
		<i>For >2,500 To 5,000, Deduct</i>	-0.06	
		<i>For >5,000 To 10,000, Deduct</i>	-0.11	
		<i>For >10,000 To 20,000, Deduct</i>	-0.17	
		<i>For >20,000, Deduct</i>	-0.23	
09 91 23 00-0233	SF	Paint Interior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	3.52	
		<i>For Up To 100, Add</i>	0.68	
		<i>For >100 To 250, Add</i>	0.42	
		<i>For >250 To 500, Add</i>	0.20	
		<i>For >2,500 To 5,000, Deduct</i>	-0.18	
		<i>For >5,000 To 10,000, Deduct</i>	-0.35	
		<i>For >10,000 To 20,000, Deduct</i>	-0.53	
		<i>For >20,000, Deduct</i>	-0.70	

09 91 23 00-0234 Paint Interior Doors And Windows (09 91 23)

09 91 23 00-0235 Paint Interior Door Frames (09 91 23 00-0234)

09 91 23 00-0236	LF	Paint Interior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.45	
		<i>For Oil Based Paint, Add</i>	0.03	
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.12	
09 91 23 00-0237	LF	Paint Interior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.57	
		<i>For Oil Based Paint, Add</i>	0.03	
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.15	
09 91 23 00-0238	LF	Paint Interior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	0.97	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.26	
09 91 23 00-0239	LF	Paint Interior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.44	
		<i>For Oil Based Paint, Add</i>	0.03	
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.12	
09 91 23 00-0240	LF	Paint Interior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.56	
		<i>For Oil Based Paint, Add</i>	0.03	
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0241	LF		Paint Interior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	0.95	
			For Oil Based Paint, Add	0.05	
			For Painting One Face Of Frame Only, Deduct	-0.26	
09 91 23 00-0242 Paint Interior Metal Doors (09 91 23 00-0234)					
09 91 23 00-0243	EA		Paint Interior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work.....	23.29	
			For Electrostatic Painting, Add	3.96	
			For Half Louvered Door, Add	1.86	
			For Full Louvered Door, Add	3.11	
			For Oil Based Paint, Add	1.71	
			For >5 To 10, Deduct	-1.16	
			For >10 To 25, Deduct	-2.33	
			For >25, Deduct	-3.49	
09 91 23 00-0244	EA		Paint Interior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work.....	23.29	
			For Electrostatic Painting, Add	3.96	
			For Half Louvered Door, Add	1.86	
			For Full Louvered Door, Add	3.11	
			For Oil Based Paint, Add	1.71	
			For >5 To 10, Deduct	-1.16	
			For >10 To 25, Deduct	-2.33	
			For >25, Deduct	-3.49	
09 91 23 00-0245	EA		Paint Interior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work.....	42.57	
			For Electrostatic Painting, Add	7.49	
			For Half Louvered Door, Add	3.15	
			For Full Louvered Door, Add	5.25	
			For Oil Based Paint, Add	3.21	
			For >5 To 10, Deduct	-2.13	
			For >10 To 25, Deduct	-4.26	
			For >25, Deduct	-6.39	
09 91 23 00-0246	EA		Paint Interior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	41.81	
			For Electrostatic Painting, Add	7.11	
			For Half Louvered Door, Add	3.35	
			For Full Louvered Door, Add	5.58	
			For Oil Based Paint, Add	3.07	
			For >5 To 10, Deduct	-2.09	
			For >10 To 25, Deduct	-4.18	
			For >25, Deduct	-6.27	
09 91 23 00-0247	EA		Paint Interior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	41.81	
			For Electrostatic Painting, Add	7.11	
			For Half Louvered Door, Add	3.35	
			For Full Louvered Door, Add	5.58	
			For Oil Based Paint, Add	3.07	
			For >5 To 10, Deduct	-2.09	
			For >10 To 25, Deduct	-4.18	
			For >25, Deduct	-6.27	
09 91 23 00-0248	EA		Paint Interior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	76.74	
			For Electrostatic Painting, Add	13.53	
			For Half Louvered Door, Add	5.66	
			For Full Louvered Door, Add	9.43	
			For Oil Based Paint, Add	5.79	
			For >5 To 10, Deduct	-3.84	
			For >10 To 25, Deduct	-7.67	
			For >25, Deduct	-11.51	
09 91 23 00-0249	EA		Paint Interior Metal Door, One Face, 1 Coat Primer, Sprayed.....	23.14	
			For Electrostatic Painting, Add	4.11	
			For Half Louvered Door, Add	1.68	
			For Full Louvered Door, Add	2.80	
			For Oil Based Paint, Add	1.75	
			For >5 To 10, Deduct	-1.16	
			For >10 To 25, Deduct	-2.31	
			For >25, Deduct	-3.47	
09 91 23 00-0250	EA		Paint Interior Metal Door, One Face, 1 Coat Paint, Sprayed.....	23.14	
			For Electrostatic Painting, Add	4.11	
			For Half Louvered Door, Add	1.68	
			For Full Louvered Door, Add	2.80	
			For Oil Based Paint, Add	1.75	
			For >5 To 10, Deduct	-1.16	
			For >10 To 25, Deduct	-2.31	
			For >25, Deduct	-3.47	
09 91 23 00-0251	EA		Paint Interior Metal Door, One Face, 2 Coats Paint, Sprayed.....	42.64	
			For Electrostatic Painting, Add	7.82	
			For Half Louvered Door, Add	2.84	
			For Full Louvered Door, Add	4.73	
			For Oil Based Paint, Add	3.32	
			For >5 To 10, Deduct	-2.13	
			For >10 To 25, Deduct	-4.26	
			For >25, Deduct	-6.40	
09 91 23 00-0252	EA		Paint Interior Metal Door, Both Faces, 1 Coat Primer, Sprayed.....	41.55	
			For Electrostatic Painting, Add	7.37	
			For Half Louvered Door, Add	3.01	
			For Full Louvered Door, Add	5.02	
			For Oil Based Paint, Add	3.15	
			For >5 To 10, Deduct	-2.08	
			For >10 To 25, Deduct	-4.16	
			For >25, Deduct	-6.23	

09 Finishes**09 90 Painting And Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0253	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Sprayed.....	41.55	
		<i>For Electrostatic Painting, Add</i>	7.37	
		<i>For Half Louvered Door, Add</i>	3.01	
		<i>For Full Louvered Door, Add</i>	5.02	
		<i>For Oil Based Paint, Add</i>	3.15	
		<i>For >5 To 10, Deduct</i>	-2.08	
		<i>For >10 To 25, Deduct</i>	-4.16	
		<i>For >25, Deduct</i>	-6.23	
09 91 23 00-0254	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Sprayed	76.90	
		<i>For Electrostatic Painting, Add</i>	14.13	
		<i>For Half Louvered Door, Add</i>	5.10	
		<i>For Full Louvered Door, Add</i>	8.50	
		<i>For Oil Based Paint, Add</i>	5.99	
		<i>For >5 To 10, Deduct</i>	-3.85	
		<i>For >10 To 25, Deduct</i>	-7.69	
		<i>For >25, Deduct</i>	-11.54	
09 91 23 00-0255		Paint Interior Wood Doors <small>(09 91 23 00-0234)</small>		
09 91 23 00-0256	EA	Paint Interior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work.....	23.29	
		<i>For Oil Based Paint, Add</i>	1.71	
		<i>For Half Louvered Door, Add</i>	1.86	
		<i>For Full Louvered Door, Add</i>	3.11	
		<i>For >5 To 10, Deduct</i>	-1.16	
		<i>For >10 To 25, Deduct</i>	-2.33	
		<i>For >25, Deduct</i>	-3.49	
09 91 23 00-0257	EA	Paint Interior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work	23.29	
		<i>For Oil Based Paint, Add</i>	1.71	
		<i>For Half Louvered Door, Add</i>	1.86	
		<i>For Full Louvered Door, Add</i>	3.11	
		<i>For >5 To 10, Deduct</i>	-1.16	
		<i>For >10 To 25, Deduct</i>	-2.33	
		<i>For >25, Deduct</i>	-3.49	
09 91 23 00-0258	EA	Paint Interior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work	42.58	
		<i>For Oil Based Paint, Add</i>	3.21	
		<i>For Half Louvered Door, Add</i>	3.15	
		<i>For Full Louvered Door, Add</i>	5.25	
		<i>For >5 To 10, Deduct</i>	-2.13	
		<i>For >10 To 25, Deduct</i>	-4.26	
		<i>For >25, Deduct</i>	-6.39	
09 91 23 00-0259	EA	Paint Interior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work	41.81	
		<i>For Oil Based Paint, Add</i>	3.07	
		<i>For Half Louvered Door, Add</i>	3.35	
		<i>For Full Louvered Door, Add</i>	5.58	
		<i>For >5 To 10, Deduct</i>	-2.09	
		<i>For >10 To 25, Deduct</i>	-4.18	
		<i>For >25, Deduct</i>	-6.27	
09 91 23 00-0260	EA	Paint Interior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	41.81	
		<i>For Oil Based Paint, Add</i>	3.07	
		<i>For Half Louvered Door, Add</i>	3.35	
		<i>For Full Louvered Door, Add</i>	5.58	
		<i>For >5 To 10, Deduct</i>	-2.09	
		<i>For >10 To 25, Deduct</i>	-4.18	
		<i>For >25, Deduct</i>	-6.27	
09 91 23 00-0261	EA	Paint Interior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	76.74	
		<i>For Oil Based Paint, Add</i>	5.79	
		<i>For Half Louvered Door, Add</i>	5.66	
		<i>For Full Louvered Door, Add</i>	9.43	
		<i>For >5 To 10, Deduct</i>	-3.84	
		<i>For >10 To 25, Deduct</i>	-7.67	
		<i>For >25, Deduct</i>	-11.51	
09 91 23 00-0262	EA	Paint Interior Wood Door, One Face, 1 Coat Primer, Sprayed	23.14	
		<i>For Oil Based Paint, Add</i>	1.75	
		<i>For Half Louvered Door, Add</i>	1.68	
		<i>For Full Louvered Door, Add</i>	2.80	
		<i>For >5 To 10, Deduct</i>	-1.16	
		<i>For >10 To 25, Deduct</i>	-2.31	
		<i>For >25, Deduct</i>	-3.47	
09 91 23 00-0263	EA	Paint Interior Wood Door, One Face, 1 Coat Paint, Sprayed.....	23.14	
		<i>For Oil Based Paint, Add</i>	1.75	
		<i>For Half Louvered Door, Add</i>	1.68	
		<i>For Full Louvered Door, Add</i>	2.80	
		<i>For >5 To 10, Deduct</i>	-1.16	
		<i>For >10 To 25, Deduct</i>	-2.31	
		<i>For >25, Deduct</i>	-3.47	
09 91 23 00-0264	EA	Paint Interior Wood Door, One Face, 2 Coats Paint, Sprayed.....	42.66	
		<i>For Oil Based Paint, Add</i>	3.32	
		<i>For Half Louvered Door, Add</i>	2.84	
		<i>For Full Louvered Door, Add</i>	4.73	
		<i>For >5 To 10, Deduct</i>	-2.13	
		<i>For >10 To 25, Deduct</i>	-4.27	
		<i>For >25, Deduct</i>	-6.40	
09 91 23 00-0265	EA	Paint Interior Wood Door, Both Faces, 1 Coat Primer, Sprayed.....	41.55	
		<i>For Oil Based Paint, Add</i>	3.15	
		<i>For Half Louvered Door, Add</i>	3.01	
		<i>For Full Louvered Door, Add</i>	5.02	
		<i>For >5 To 10, Deduct</i>	-2.08	
		<i>For >10 To 25, Deduct</i>	-4.16	
		<i>For >25, Deduct</i>	-6.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0266	EA		Paint Interior Wood Door, Both Faces, 1 Coat Paint, Sprayed	41.55	
			For Oil Based Paint, Add	3.15	
			For Half Louvered Door, Add	3.01	
			For Full Louvered Door, Add	5.02	
			For >5 To 10, Deduct	-2.08	
			For >10 To 25, Deduct	-4.16	
			For >25, Deduct	-6.23	
09 91 23 00-0267	EA		Paint Interior Wood Door, Both Faces, 2 Coats Paint, Sprayed.....	76.90	
			For Oil Based Paint, Add	5.99	
			For Half Louvered Door, Add	5.10	
			For Full Louvered Door, Add	8.50	
			For >5 To 10, Deduct	-3.85	
			For >10 To 25, Deduct	-7.69	
			For >25, Deduct	-11.54	
09 91 23 00-0268			Paint Interior Metal Windows (09 91 23 00-0234)		
			Note: Two finish coats paint over rust inhibitive primer.		
09 91 23 00-0269	EA		Up To 8 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	35.09	
			For Oil Based Paint, Add	2.12	
			For Electrostatic Painting, Add	4.59	
			For >5 To 10, Deduct	-1.75	
			For >10 To 25, Deduct	-3.51	
			For >25, Deduct	-5.26	
09 91 23 00-0270	EA		>8 To 14 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	43.31	
			For Oil Based Paint, Add	2.72	
			For Electrostatic Painting, Add	6.00	
			For >5 To 10, Deduct	-2.17	
			For >10 To 25, Deduct	-4.33	
			For >25, Deduct	-6.50	
09 91 23 00-0271	EA		>14 To 20 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	58.71	
			For Oil Based Paint, Add	3.73	
			For Electrostatic Painting, Add	8.24	
			For >5 To 10, Deduct	-2.94	
			For >10 To 25, Deduct	-5.87	
			For >25, Deduct	-8.81	
09 91 23 00-0272	EA		>20 To 26 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	66.15	
			For Oil Based Paint, Add	4.20	
			For Electrostatic Painting, Add	9.30	
			For >5 To 10, Deduct	-3.31	
			For >10 To 25, Deduct	-6.62	
			For >25, Deduct	-9.92	
09 91 23 00-0273	EA		>26 To 34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	73.29	
			For Oil Based Paint, Add	4.65	
			For Electrostatic Painting, Add	10.28	
			For >5 To 10, Deduct	-3.66	
			For >10 To 25, Deduct	-7.33	
			For >25, Deduct	-10.99	
09 91 23 00-0274	SF		>34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	2.33	
			For Oil Based Paint, Add	0.15	
			For Electrostatic Painting, Add	0.33	
09 91 23 00-0275			Wood Windows (09 91 23 00-0234)		
			Note: Two finish coats paint over primer.		
09 91 23 00-0276	EA		Up To 8 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	35.09	
			For Oil Based Paint, Add	2.12	
			For >5 To 10, Deduct	-1.75	
			For >10 To 25, Deduct	-3.51	
			For >25, Deduct	-5.26	
09 91 23 00-0277	EA		>8 To 14 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	43.31	
			For Oil Based Paint, Add	2.72	
			For >5 To 10, Deduct	-2.17	
			For >10 To 25, Deduct	-4.33	
			For >25, Deduct	-6.50	
09 91 23 00-0278	EA		>14 To 20 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	77.65	
			For Oil Based Paint, Add	4.67	
			For >5 To 10, Deduct	-3.88	
			For >10 To 25, Deduct	-7.77	
			For >25, Deduct	-11.65	
09 91 23 00-0279	EA		>20 To 26 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	87.46	
			For Oil Based Paint, Add	5.27	
			For >5 To 10, Deduct	-4.37	
			For >10 To 25, Deduct	-8.75	
			For >25, Deduct	-13.12	
09 91 23 00-0280	EA		>26 To 34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	73.29	
			For Oil Based Paint, Add	4.65	
			For >5 To 10, Deduct	-3.66	
			For >10 To 25, Deduct	-7.33	
			For >25, Deduct	-10.99	
09 91 23 00-0281	SF		>34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	2.43	
			For Oil Based Paint, Add	0.15	
09 91 23 00-0282			Paint Interior Security Screens (09 91 23 00-0234)		
09 91 23 00-0283	SF		Paint Interior Security Screen, 1 Coat Primer, Brush/Roller Work	0.71	
			For Oil Based Paint, Add	0.04	
			For Electrostatic Painting, Add	0.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0284	SF		Paint Interior Security Screen, 1 Coat Paint, Brush/Roller Work.....	0.73	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Electrostatic Painting, Add</i>	0.09	
09 91 23 00-0285	SF		Paint Interior Security Screen, 2 Coats Paint, Brush/Roller Work.....	1.21	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Electrostatic Painting, Add</i>	0.15	
09 91 23 00-0286			Paint Interior Window Guards (09 91 23 00-0234)		
09 91 23 00-0287	SF		Paint Interior Metal Window Guards, 1 Coat Primer, Brush/Roller Work	0.71	
			<i>For Oil Based Paint, Add</i>	0.04	
09 91 23 00-0288	SF		Paint Interior Metal Window Guards, 1 Coat Paint, Brush/Roller Work.....	0.73	
			<i>For Oil Based Paint, Add</i>	0.04	
09 91 23 00-0289	SF		Paint Interior Metal Window Guards, 2 Coats Paint, Brush/Roller Work.....	1.21	
			<i>For Oil Based Paint, Add</i>	0.07	
09 91 23 00-0290			Paint Interior Window Trim (09 91 23 00-0234)		
09 91 23 00-0291	LF		Paint Interior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.74	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.22	
09 91 23 00-0292	LF		Paint Interior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.74	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.22	
09 91 23 00-0293	LF		Paint Interior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work	0.94	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.30	
09 91 23 00-0294	LF		Paint Interior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.77	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.23	
09 91 23 00-0295	LF		Paint Interior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.77	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.23	
09 91 23 00-0296	LF		Paint Interior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.01	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.32	
09 91 23 00-0297			Paint Interior Cabinets And Casework (09 91 23)		
09 91 23 00-0298			Paint Interior Wood Cabinets And Casework (09 91 23 00-0297)		
09 91 23 00-0299	SF		Paint Interior Wood Cabinets And Casework, 1 Coat Paint, Brush/Roller Work	0.48	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 20,000, Deduct</i>	-0.05	
			<i>For >20,000, Deduct</i>	-0.07	
09 91 23 00-0300	SF		Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 1 Coat Alkyd Or Latex Paint, Brush/Roller Work.....	0.69	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0301	SF		Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 2 Coats Alkyd Or Latex Paint, Brush/Roller Work.....	1.23	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0302			Paint Exposed Metal Lockers (09 91 23 00-0297)		
09 91 23 00-0303	SF		Paint Exposed Metal Locker, 1 Coat Primer, Brush/Roller Work	0.66	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0304	SF		Paint Exposed Metal Locker, 1 Coat Alkyd Enamel, Brush/Roller Work.....	0.68	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0305	SF		Paint Exposed Metal Locker, 2 Coats Alkyd Enamel, Brush/Roller Work	1.24	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.19	
09 91 23 00-0306			Paint Interior Stairs (09 91 23)		
09 91 23 00-0307			Paint Interior Concrete Stairs (09 91 23 00-0306)		
			Note: Includes the riser and tread.		
09 91 23 00-0308	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	8.93	
09 91 23 00-0309	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	8.93	
09 91 23 00-0310	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	7.96	
			Note: Excludes riser.		
09 91 23 00-0311	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	17.52	
			Note: Excludes riser.		
09 91 23 00-0312	RSR		Paint Interior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	17.86	
09 91 23 00-0313			Paint Interior Metal Stairs (09 91 23 00-0306)		
			Note: Includes the riser and tread.		
09 91 23 00-0314	RSR		Paint Interior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	4.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0315	RSR		Paint Interior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	4.66	
09 91 23 00-0316	RSR		Paint Interior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	9.33	
09 91 23 00-0317			Paint Interior Wood Stairs (09 91 23 00-0306) Note: Includes the riser and tread.		
09 91 23 00-0318	RSR		Paint Interior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	4.66	
09 91 23 00-0319	RSR		Paint Interior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	4.66	
09 91 23 00-0320	RSR		Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	5.82	
			Note: Excludes riser.		
09 91 23 00-0321	RSR		Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	15.38	
			Note: Excludes riser.		
09 91 23 00-0322	RSR		Paint Interior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	9.33	
09 91 23 00-0323			Paint Interior Stair Nosing (09 91 23 00-0306)		
09 91 23 00-0324	LF		Paint Interior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work.....	0.61	
09 91 23 00-0325			Paint Interior Trim (09 91 23)		
09 91 23 00-0326			Paint Interior Metal Trim (09 91 23 00-0325)		
09 91 23 00-0327	SF		Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush Work.....	0.65	
09 91 23 00-0328	SF		Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush Work	0.65	
09 91 23 00-0329	SF		Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush Work.....	1.20	
09 91 23 00-0330	SF		Paint Interior Metal Trim, 1 Coat Primer, Brush/Roller Work.....	0.65	
09 91 23 00-0331	SF		Paint Interior Metal Trim, 1 Coat Paint, Brush/Roller Work.....	0.65	
09 91 23 00-0332	SF		Paint Interior Metal Trim, 2 Coats Paint, Brush/Roller Work.....	1.20	
09 91 23 00-0333			Paint Interior Wood Trim (09 91 23 00-0325)		
09 91 23 00-0334	LF		Paint Interior Wood Trim To 6" Wide, 1 Coat Primer, Brush Work.....	0.31	
			For Oil Based Paint, Add	0.02	
09 91 23 00-0335	LF		Paint Interior Wood Trim To 6" Wide, 1 Coat Paint, Brush Work.....	0.34	
			For Oil Based Paint, Add	0.02	
09 91 23 00-0336	LF		Paint Interior Wood Trim To 6" Wide, 2 Coats Paint.....	0.70	
			For Oil Based Paint, Add	0.04	
09 91 23 00-0337	SF		Paint Interior Wood Trim, 1 Coat Primer, Brush Work	0.97	
			For Oil Based Paint, Add	0.06	
09 91 23 00-0338	SF		Paint Interior Wood Trim, 1 Coat Paint, Brush Work.....	1.07	
			For Oil Based Paint, Add	0.07	
09 91 23 00-0339	SF		Paint Interior Wood Trim, 2 Coats Paint, Brush Work.....	2.28	
			For Oil Based Paint, Add	0.14	
09 91 23 00-0340	SF		Paint Interior Wood Trim, 1 Coat Primer, Brush/Roller Work.....	0.97	
			For Oil Based Paint, Add	0.06	
09 91 23 00-0341	SF		Paint Interior Wood Trim, 1 Coat Paint, Brush/Roller Work	1.07	
			For Oil Based Paint, Add	0.07	
09 91 23 00-0342	SF		Paint Interior Wood Trim, 2 Coats Paint, Brush/Roller Work.....	2.28	
			For Oil Based Paint, Add	0.14	
09 91 23 00-0343			Stencil Painting Letters/Numbers (09 91 23) Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.		
09 91 23 00-0344	EA		Up To 1" High, Stencil Painting, Per Letter/Number	0.79	
			For >200 To 500, Deduct	-0.06	
			For >500 To 1,000, Deduct	-0.10	
			For >1,000 To 2,000, Deduct	-0.13	
			For >2,000, Deduct	-0.16	
09 91 23 00-0345	EA		1" To 2" High, Stencil Painting, Per Letter/Number.....	0.90	
			For >200 To 500, Deduct	-0.07	
			For >500 To 1,000, Deduct	-0.11	
			For >1,000 To 2,000, Deduct	-0.14	
			For >2,000, Deduct	-0.18	
09 91 23 00-0346	EA		2" To 3" High, Stencil Painting, Per Letter/Number.....	1.48	
			For >200 To 500, Deduct	-0.12	
			For >500 To 1,000, Deduct	-0.19	
			For >1,000 To 2,000, Deduct	-0.24	
			For >2,000, Deduct	-0.30	
09 91 23 00-0347	EA		3" To 4" High, Stencil Painting, Per Letter/Number.....	1.81	
			For >200 To 500, Deduct	-0.14	
			For >500 To 1,000, Deduct	-0.23	
			For >1,000 To 2,000, Deduct	-0.29	
			For >2,000, Deduct	-0.36	
09 91 23 00-0348	EA		4" To 6" High, Stencil Painting, Per Letter/Number.....	2.47	
			For >200 To 500, Deduct	-0.20	
			For >500 To 1,000, Deduct	-0.31	
			For >1,000 To 2,000, Deduct	-0.40	
			For >2,000, Deduct	-0.49	
09 91 23 00-0349	EA		6" To 12" High, Stencil Painting, Per Letter/Number.....	3.27	
			For >200 To 500, Deduct	-0.26	
			For >500 To 1,000, Deduct	-0.41	
			For >1,000 To 2,000, Deduct	-0.52	
			For >2,000, Deduct	-0.65	
09 91 23 00-0350	EA		Over 12" High, Stencil Painting, Per Letter/Number	3.84	
			For >200 To 500, Deduct	-0.31	
			For >500 To 1,000, Deduct	-0.48	
			For >1,000 To 2,000, Deduct	-0.61	
			For >2,000, Deduct	-0.77	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0351	Logo Painting <small>(09 91 23)</small>		
09 91 23 00-0352	SF Paint Logo (Simple Design)	13.67	
09 91 23 00-0353	SF Paint Logo (Complex Design)	16.01	
09 91 23 00-0354	Paint Additives <small>(09 91 23)</small>		
09 91 23 00-0355	SF Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.02	
09 91 23 00-0356	SF Class "B" Fire Rating, Fire Resistant Paint Additive.....	0.04	
	<i>For Class "A" Fire Rating, Add</i>	<i>0.04</i>	
09 91 23 00-0357	Hand Painting Letters/Numbers <small>(09 91 23)</small>		
	Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0358	EA Up To 1" High, Hand Paint, Per Letter/Number	0.94	
09 91 23 00-0359	EA 1" To 2" High, Hand Paint, Per Letter/Number.....	1.09	
09 91 23 00-0360	EA 2" To 3" High, Hand Paint, Per Letter/Number.....	1.63	
09 91 23 00-0361	EA 3" To 4" High, Hand Paint, Per Letter/Number.....	1.99	
09 91 23 00-0362	EA 4" To 6" High, Hand Paint, Per Letter/Number.....	2.73	
09 91 23 00-0363	EA 6" To 12" High, Hand Paint, Per Letter/Number.....	3.45	
09 91 23 00-0364	EA Over 12" High, Hand Paint, Per Letter/Number	4.03	
09 91 23 00-0365	Glove/Mitt Application <small>(09 91 23)</small>		
09 91 23 00-0366	Conduit/Pipe <small>(09 91 23 00-0365)</small>		
09 91 23 00-0367	CSF Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	17.60	
09 91 23 00-0368	CSF Metal Primer Conduit Or Pipe With Glove/Mitt.....	35.99	
09 91 23 00-0369	CSF Enamel, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	29.31	
09 91 23 00-0370	CSF Enamel, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....	24.92	
09 91 23 00-0371	CSF Epoxy Coating, First Coat Conduit Or Pipe With Glove/Mitt	50.96	
09 91 23 00-0372	CSF Epoxy Coating, Second Coat Conduit Or Pipe With Glove/Mitt	47.63	
09 91 23 00-0373	Ductwork <small>(09 91 23 00-0365)</small>		
09 91 23 00-0374	CSF Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	17.60	
09 91 23 00-0375	CSF Metal Primer Ductwork With Glove/Mitt	29.54	
09 91 23 00-0376	CSF Enamel, Oil Base Paint Ductwork With Glove/Mitt.....	26.63	
09 91 23 00-0377	CSF Epoxy Coating, First Coat Ductwork With Glove/Mitt.....	48.41	
09 91 23 00-0378	CSF Epoxy Coating, Second Coat Ductwork With Glove/Mitt.....	43.26	
09 91 23 00-0379	Paint Interior Miscellaneous Metal Surfaces <small>(09 91 23)</small>		
09 91 23 00-0380	SF Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Brush/Roller Work	0.34	
	<i>For Electrostatic Painting, Add</i>	<i>0.05</i>	
	<i>For Up To 100, Add</i>	<i>0.19</i>	
	<i>For >100 To 250, Add</i>	<i>0.09</i>	
	<i>For >250 To 500, Add</i>	<i>0.04</i>	
	<i>For >2,500 To 5,000, Deduct</i>	<i>-0.02</i>	
	<i>For >5,000 To 10,000, Deduct</i>	<i>-0.03</i>	
	<i>For >10,000 To 20,000, Deduct</i>	<i>-0.05</i>	
	<i>For >20,000, Deduct</i>	<i>-0.07</i>	
09 91 23 00-0381	SF Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work.....	0.50	
	<i>For Electrostatic Painting, Add</i>	<i>0.07</i>	
	<i>For Up To 100, Add</i>	<i>0.31</i>	
	<i>For >100 To 250, Add</i>	<i>0.15</i>	
	<i>For >250 To 500, Add</i>	<i>0.06</i>	
	<i>For >2,500 To 5,000, Deduct</i>	<i>-0.03</i>	
	<i>For >5,000 To 10,000, Deduct</i>	<i>-0.05</i>	
	<i>For >10,000 To 20,000, Deduct</i>	<i>-0.08</i>	
	<i>For >20,000, Deduct</i>	<i>-0.10</i>	
09 91 23 00-0382	SF Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	0.66	
	<i>For Electrostatic Painting, Add</i>	<i>0.09</i>	
	<i>For Up To 100, Add</i>	<i>0.40</i>	
	<i>For >100 To 250, Add</i>	<i>0.19</i>	
	<i>For >250 To 500, Add</i>	<i>0.08</i>	
	<i>For >2,500 To 5,000, Deduct</i>	<i>-0.03</i>	
	<i>For >5,000 To 10,000, Deduct</i>	<i>-0.07</i>	
	<i>For >10,000 To 20,000, Deduct</i>	<i>-0.10</i>	
	<i>For >20,000, Deduct</i>	<i>-0.13</i>	
09 91 23 00-0383	SF Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Sprayed.....	0.52	
	<i>For Electrostatic Painting, Add</i>	<i>0.07</i>	
	<i>For Up To 100, Add</i>	<i>0.32</i>	
	<i>For >100 To 250, Add</i>	<i>0.15</i>	
	<i>For >250 To 500, Add</i>	<i>0.07</i>	
	<i>For >2,500 To 5,000, Deduct</i>	<i>-0.03</i>	
	<i>For >5,000 To 10,000, Deduct</i>	<i>-0.05</i>	
	<i>For >10,000 To 20,000, Deduct</i>	<i>-0.08</i>	
	<i>For >20,000, Deduct</i>	<i>-0.10</i>	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0384	SF		Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd, Sprayed .....0.52		
			For Electrostatic Painting, Add	0.07	
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 23 00-0385	SF		Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd, Sprayed.....0.79		
			For Electrostatic Painting, Add	0.11	
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 43			Surface Preparation (09 91)		
			Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.		
09 91 43 00-0001			Cleaning And Preparation Of Painted And Unpainted Surfaces (09 91 43)		
			Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.		
09 91 43 00-0002			Concrete And Masonry Surfaces, Surface Preparation (09 91 43 00-0001)		
09 91 43 00-0003	SF		Calimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation.....0.20		
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.04	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.02	
			For >15,000 To 30,000, Deduct	-0.03	
			For >30,000, Deduct	-0.04	
09 91 43 00-0004	SF		Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation .....0.31		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.04	
			For >30,000, Deduct	-0.06	
09 91 43 00-0005	SF		Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation .....0.32		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.06	
09 91 43 00-0006	SF		Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....0.28		
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.02	
			For >15,000 To 30,000, Deduct	-0.04	
			For >30,000, Deduct	-0.05	
09 91 43 00-0007	SF		Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation .....0.19		
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.06	
			For >250 To 500, Add	0.03	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.02	
			For >15,000 To 30,000, Deduct	-0.03	
			For >30,000, Deduct	-0.03	
09 91 43 00-0008	SF		10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....0.50		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 91 43 00-0009	SF		30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....0.80		
			For Up To 100, Add	1.38	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.17	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.12	
			For >30,000, Deduct	-0.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 43 00-0010	SF		Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation	1.35	
			<i>For Heavy Condition Where Multiple Pass Is Required, Add</i>	0.68	
			<i>For Up To 100, Add</i>	2.20	
			<i>For >100 To 250, Add</i>	0.55	
			<i>For >250 To 500, Add</i>	0.28	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 15,000, Deduct</i>	-0.13	
			<i>For >15,000 To 30,000, Deduct</i>	-0.20	
			<i>For >30,000, Deduct</i>	-0.26	

09 91 43 00-0011 Drywall (09 91 43 00-0001)

Note: Patch holes other than nail/screw holes and greater than 1/2" diameter.

09 91 43 00-0012	SF		Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping)	0.12	
			<i>For Up To 100, Add</i>	0.24	
			<i>For >100 To 250, Add</i>	0.06	
			<i>For >250 To 500, Add</i>	0.03	
09 91 43 00-0013	SF		Hand Wash, Minor Repair And Light Sanding Drywall Surfaces.....	0.22	
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.06	
09 91 43 00-0014	SF		Scrape, Repair And Sand Severely Damaged Drywall Surfaces.....	0.45	
			<i>For Up To 100, Add</i>	0.78	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.10	

09 91 43 00-0015 Metal Surfaces, Surface Preparation (09 91 43 00-0001)

09 91 43 00-0016	SF		Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.31	
			<i>For Up To 100, Add</i>	0.17	
			<i>For >100 To 250, Add</i>	0.08	
			<i>For >250 To 500, Add</i>	0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.01	
			<i>For >10,000 To 15,000, Deduct</i>	-0.03	
			<i>For >15,000 To 30,000, Deduct</i>	-0.04	
			<i>For >30,000, Deduct</i>	-0.06	
09 91 43 00-0017	SF		Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.32	
			<i>For Up To 100, Add</i>	0.24	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 15,000, Deduct</i>	-0.03	
			<i>For >15,000 To 30,000, Deduct</i>	-0.05	
			<i>For >30,000, Deduct</i>	-0.06	
09 91 43 00-0018	SF		Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.19	
			<i>For Up To 100, Add</i>	0.10	
			<i>For >100 To 250, Add</i>	0.05	
			<i>For >250 To 500, Add</i>	0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.01	
			<i>For >10,000 To 15,000, Deduct</i>	-0.02	
			<i>For >15,000 To 30,000, Deduct</i>	-0.03	
			<i>For >30,000, Deduct</i>	-0.04	
09 91 43 00-0019	SF		Power Tool Cleaning, Metal Surfaces, Surface Preparation.....	0.52	
			<i>For Up To 100, Add</i>	0.39	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 15,000, Deduct</i>	-0.05	
			<i>For >15,000 To 30,000, Deduct</i>	-0.08	
			<i>For >30,000, Deduct</i>	-0.10	
09 91 43 00-0020	SF		Steam Cleaning, Metal Surfaces, Surface Preparation.....	0.20	
			<i>For Up To 100, Add</i>	0.09	
			<i>For >100 To 250, Add</i>	0.04	
			<i>For >250 To 500, Add</i>	0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.01	
			<i>For >10,000 To 15,000, Deduct</i>	-0.02	
			<i>For >15,000 To 30,000, Deduct</i>	-0.03	
			<i>For >30,000, Deduct</i>	-0.04	
09 91 43 00-0021	SF		Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	0.42	
			<i>For Up To 100, Add</i>	0.23	
			<i>For >100 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 15,000, Deduct</i>	-0.04	
			<i>For >15,000 To 30,000, Deduct</i>	-0.06	
			<i>For >30,000, Deduct</i>	-0.08	
09 91 43 00-0022	SF		Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	0.58	
			<i>For Up To 100, Add</i>	0.31	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 15,000, Deduct</i>	-0.05	
			<i>For >15,000 To 30,000, Deduct</i>	-0.08	
			<i>For >30,000, Deduct</i>	-0.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0023 SF Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	0.86	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.12	
For >30,000, Deduct	-0.16	
09 91 43 00-0024 SF Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	1.42	
For Up To 100, Add	0.78	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 15,000, Deduct	-0.13	
For >15,000 To 30,000, Deduct	-0.20	
For >30,000, Deduct	-0.27	
09 91 43 00-0025 SF Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	1.09	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.15	
For >30,000, Deduct	-0.20	
09 91 43 00-0026 SF Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	1.36	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.14	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 15,000, Deduct	-0.12	
For >15,000 To 30,000, Deduct	-0.19	
For >30,000, Deduct	-0.25	
09 91 43 00-0027 SF Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	1.75	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 15,000, Deduct	-0.15	
For >15,000 To 30,000, Deduct	-0.25	
For >30,000, Deduct	-0.32	
09 91 43 00-0028 SF Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation.....	2.19	
For Up To 100, Add	1.16	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 15,000, Deduct	-0.19	
For >15,000 To 30,000, Deduct	-0.31	
For >30,000, Deduct	-0.41	
09 91 43 00-0029 Tile Surfaces (09 91 43 00-0001)	0.14	
09 91 43 00-0030 SF Alkaline Cleaner, Brush And Wash Tile Surface.....	0.14	
For Up To 100, Add	0.11	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 15,000, Deduct	-0.01	
For >15,000 To 30,000, Deduct	-0.02	
For >30,000, Deduct	-0.03	
09 91 43 00-0031 SF Up To 5,000 PSI, Pressure Wash Tile Surface.....	0.13	
For Up To 100, Add	0.07	
For >100 To 250, Add	0.03	
For >250 To 500, Add	0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 15,000, Deduct	-0.01	
For >15,000 To 30,000, Deduct	-0.02	
For >30,000, Deduct	-0.02	
09 91 43 00-0032 Wood Surfaces (09 91 43 00-0001)	0.53	
09 91 43 00-0033 SF Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	0.53	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >4,000, Deduct	-0.03	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.10	
09 91 43 00-0034 SF Chemical Clean, Brush And Wash Wood Surface	0.26	
For Up To 100, Add	0.13	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 15,000, Deduct	-0.02	
For >15,000 To 30,000, Deduct	-0.04	
For >30,000, Deduct	-0.05	

09 Finishes

09 90 Painting And Coating

09 91 Painting


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 43 00-0035	SF	Hand Scrape Wood Surface	0.25
		For Up To 100, Add	0.19
		For >100 To 250, Add	0.09
		For >250 To 500, Add	0.04
		For >5,000 To 10,000, Deduct	-0.01
		For >10,000 To 15,000, Deduct	-0.03
		For >15,000 To 30,000, Deduct	-0.04
		For >30,000, Deduct	-0.05
09 91 43 00-0036	SF	Steam Clean Wood Surface	0.27
		For Up To 100, Add	0.14
		For >100 To 250, Add	0.07
		For >250 To 500, Add	0.03
		For >5,000 To 10,000, Deduct	-0.01
		For >10,000 To 15,000, Deduct	-0.02
		For >15,000 To 30,000, Deduct	-0.04
		For >30,000, Deduct	-0.05
09 91 43 00-0037	SF	Up To 5,000 PSI, Pressure Wash Wood Surface	0.20
		For Up To 100, Add	0.11
		For >100 To 250, Add	0.05
		For >250 To 500, Add	0.02
		For >5,000 To 10,000, Deduct	-0.01
		For >10,000 To 15,000, Deduct	-0.02
		For >15,000 To 30,000, Deduct	-0.03
		For >30,000, Deduct	-0.04
09 91 43 00-0038	SF	Sanding Wood Paneling, Boards, Doors, Etcetera	0.32
		For Up To 100, Add	0.21
		For >100 To 250, Add	0.10
		For >250 To 500, Add	0.04
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 15,000, Deduct	-0.03
		For >15,000 To 30,000, Deduct	-0.05
		For >30,000, Deduct	-0.06
09 91 43 00-0039	SF	Sanding Wood Trim	0.43
		For Up To 100, Add	0.29
		For >100 To 250, Add	0.14
		For >250 To 500, Add	0.06
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 15,000, Deduct	-0.04
		For >15,000 To 30,000, Deduct	-0.06
		For >30,000, Deduct	-0.08
09 91 43 00-0040	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat	0.30
		For Up To 100, Add	0.17
		For >100 To 250, Add	0.08
		For >250 To 500, Add	0.03
		For >5,000 To 10,000, Deduct	-0.01
		For >10,000 To 15,000, Deduct	-0.03
		For >15,000 To 30,000, Deduct	-0.04
		For >30,000, Deduct	-0.06
09 91 43 00-0041	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat	0.34
		For Up To 100, Add	0.20
		For >100 To 250, Add	0.09
		For >250 To 500, Add	0.04
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 15,000, Deduct	-0.03
		For >15,000 To 30,000, Deduct	-0.05
		For >30,000, Deduct	-0.06
09 91 43 00-0042		Vinyl Siding Surfaces (09 91 43 00-0001)	0.24
09 91 43 00-0043	SF	Hand Wash, Vinyl Siding Surfaces	0.24
		For Up To 100, Add	0.17
		For >100 To 250, Add	0.08
		For >250 To 500, Add	0.03
		For >5,000 To 10,000, Deduct	-0.01
		For >10,000 To 15,000, Deduct	-0.02
		For >15,000 To 30,000, Deduct	-0.04
		For >30,000, Deduct	-0.05
09 91 43 00-0044	SF	Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces	0.17
		For Up To 100, Add	0.08
		For >100 To 250, Add	0.04
		For >250 To 500, Add	0.02
		For >5,000 To 10,000, Deduct	-0.01
		For >10,000 To 15,000, Deduct	-0.01
		For >15,000 To 30,000, Deduct	-0.02
		For >30,000, Deduct	-0.03
09 91 43 00-0045	SF	Steam Clean, Vinyl Siding Surfaces	0.30
		For Up To 100, Add	0.14
		For >100 To 250, Add	0.07
		For >250 To 500, Add	0.03
		For >5,000 To 10,000, Deduct	-0.01
		For >10,000 To 15,000, Deduct	-0.03
		For >15,000 To 30,000, Deduct	-0.04
		For >30,000, Deduct	-0.05
09 91 43 00-0046		Prep Work (09 91 43 00-0001)	0.47
09 91 43 00-0047	SF	Citrus Strip, Single Applications	0.47



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 43 00-0048			Plaster/Stucco (09 91 43 00-0001) Note: Based on total project quantity.		
09 91 43 00-0049	SF		Up To 5,000 PSI Pressure Wash Stucco Surfaces.....	0.21	
			For Up To 100, Add	0.11	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.02	
			For >15,000 To 30,000, Deduct	-0.03	
			For >30,000, Deduct	-0.04	

09 91 43 00-0050			Paint Removal, Strip To Bare Wood (09 91 43 00-0001)		
09 91 43 00-0051	SF		Flat Surfaces, Paint Removal, Strip To Bare Wood.....	2.66	
09 91 43 00-0052	SF		Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	2.84	

09 91 43 00-0053			Corrosive Inhibitor Sealant For Concrete (09 91 43 00-0001)		
09 91 43 00-0054	SF		Corrosive Inhibitor Sealant For Concrete.....	0.35	
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	

09 93 Staining And Transparent Finishing (09 90)

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining And Finishing (09 93)

09 93 13 13 Exterior Staining (09 93 13)

09 93 13 13-0001			Stain Sealer (09 93 13 13) Note: Measured by surface area of wall or ceiling.		
09 93 13 13-0002	SF		Stain Sealer, Brush Work.....	0.37	
			For Ceiling Work, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	
09 93 13 13-0003	SF		Stain Sealer, Brush/Roller Work.....	0.31	
			For Ceiling Work, Add	0.04	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	
09 93 13 13-0004	SF		Stain Sealer, Sprayed.....	0.14	
			For Ceiling Work, Add	0.01	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.01	
			For >20,000, Deduct	-0.02	

09 93 23 Interior Staining And Finishing (09 93)

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 53 Interior Finishing (09 93 23)

09 93 23 53-0001			Concrete Finishes (09 93 23 53)		
09 93 23 53-0002	SF		Finish Concrete Floor, 1 Coat Polyurethane.....	0.33	
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >4,000, Deduct	-0.02	

09 93 23 53-0003 Wood Trim Finishes (09 93 23 53)

09 93 23 53-0004	LF		Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	0.43	
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >4,000, Deduct	-0.02	
09 93 23 53-0005	SF		Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	0.64	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >4,000, Deduct	-0.03	
09 93 23 53-0006	SF		Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane.....	0.54	
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >4,000, Deduct	-0.03	
09 93 23 53-0007	SF		Finish Wood Trim, 1 Coat Varnish Or Polyurethane.....	0.35	
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >4,000, Deduct	-0.02	

09 93 23 53-0008 Wood Floor Finishes (09 93 23 53)

09 Finishes**09 90 Painting And Coating****09 93 Staining And Transparent Finishing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 93 23 53-0009	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.21
		<i>For Up To 100, Add</i>	0.12
		<i>For >100 To 250, Add</i>	0.06
		<i>For >250 To 500, Add</i>	0.02
		<i>For >4,000, Deduct</i>	-0.01
09 93 23 53-0010	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.17
		<i>For Up To 100, Add</i>	0.09
		<i>For >100 To 250, Add</i>	0.04
		<i>For >250 To 500, Add</i>	0.02
		<i>For >4,000, Deduct</i>	-0.01
09 93 23 53-0011	SF	Refinish Wood Floor, 2 Coats Polyurethane	1.14
		Note: Includes sanding existing floor.	
		<i>For Up To 100, Add</i>	0.78
		<i>For >100 To 250, Add</i>	0.37
		<i>For >250 To 500, Add</i>	0.16
		<i>For >4,000, Deduct</i>	-0.06
09 93 23 53-0012	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work.....	0.28
		Note: Includes screening between coats.	
		<i>For Up To 100, Add</i>	0.17
		<i>For >100 To 250, Add</i>	0.08
		<i>For >250 To 500, Add</i>	0.04
		<i>For >4,000, Deduct</i>	-0.01
09 93 23 53-0013	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane.....	1.30
		Note: Includes sanding existing floor.	
		<i>For Up To 100, Add</i>	0.88
		<i>For >100 To 250, Add</i>	0.42
		<i>For >250 To 500, Add</i>	0.18
		<i>For >4,000, Deduct</i>	-0.07
09 93 23 53-0014		Wood Door And Window Finishes <small>(09 93 23 53)</small>	
		See CSI section 08 14 16 00-0175 for factory finish.	
09 93 23 53-0015	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	20.11
		<i>For Up To 4, Add</i>	14.51
		<i>For >4 To 10, Add</i>	6.80
		<i>For >10 To 20, Add</i>	2.92
		<i>For >160, Deduct</i>	-1.01
09 93 23 53-0016	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	14.53
		<i>For Up To 4, Add</i>	10.05
		<i>For >4 To 10, Add</i>	4.73
		<i>For >10 To 20, Add</i>	2.04
		<i>For >160, Deduct</i>	-0.73
09 93 23 53-0017	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face).....	14.62
		<i>For Up To 4, Add</i>	10.47
		<i>For >4 To 10, Add</i>	4.91
		<i>For >10 To 20, Add</i>	2.11
		<i>For >160, Deduct</i>	-0.73
09 93 23 53-0018	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face).....	44.81
		<i>For Up To 4, Add</i>	31.31
		<i>For >4 To 10, Add</i>	14.73
		<i>For >10 To 20, Add</i>	6.34
		<i>For >160, Deduct</i>	-2.24
09 93 23 53-0019		Cabinet Finishes <small>(09 93 23 53)</small>	
09 93 23 53-0020	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe.....	0.50
09 93 23 53-0021	SF	Stain Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	0.51
09 93 23 53-0022		Gym, Stage And Dance Floor Finishes <small>(09 93 23 53)</small>	
09 93 23 53-0023	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor	0.66
		Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	
09 93 23 53-0024	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor.....	1.62
		Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	
		<i>For Stage Or Dance Floors, Deduct</i>	-0.03
09 93 23 53-0025	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor	1.66
		Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	
		<i>For Stage Or Dance Floors, Deduct</i>	-0.03
09 93 23 53-0026	SF	Finish New High School Wood Gym, Stage Or Dance Floor	1.69
		Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	
		<i>For Stage Or Dance Floors, Deduct</i>	-0.03
09 93 23 53-0027	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor.....	1.62
		Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	
		<i>For Stage Or Dance Floors, Deduct</i>	-0.03
09 93 23 53-0028	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor.....	1.66
		Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	
		<i>For Stage Or Dance Floors, Deduct</i>	-0.03



Finishes	09	
Painting And Coating	09 90	9
Staining And Transparent Finishing	09 93	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 93 23 53-0029	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor	1.69
		Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	
		<i>For Stage Or Dance Floors, Deduct</i>	-0.03

09 96 High-Performance Coatings (09 90)

09 96 23 Graffiti-Resistant Coatings (09 96)

09 96 23 00-0001 Anti-Graffiti Painting (09 96 23)

09 96 23 00-0002	SF	Anti-Graffiti Coating System, 1 Coat, Concrete Surface	1.08
		<i>For Up To 100, Add</i>	0.40
		<i>For >100 To 250, Add</i>	0.21
		<i>For >250 To 500, Add</i>	0.09
09 96 23 00-0003	SF	Anti-Graffiti Coating System, 1 Coat, Brick Or Block	1.12
		<i>For Up To 100, Add</i>	0.40
		<i>For >100 To 250, Add</i>	0.21
		<i>For >250 To 500, Add</i>	0.10
09 96 23 00-0004	SF	Anti-Graffiti Coating System, 1 Coat, Tile	0.84
		<i>For Up To 100, Add</i>	0.36
		<i>For >100 To 250, Add</i>	0.18
		<i>For >250 To 500, Add</i>	0.08
09 96 23 00-0005	SF	Anti-Graffiti Coating System, 1 Coat, Metal Or Steel	0.80
		<i>For Up To 100, Add</i>	0.35
		<i>For >100 To 250, Add</i>	0.18
		<i>For >250 To 500, Add</i>	0.08
09 96 23 00-0006	SF	Anti-Graffiti Coating System, 1 Coat, Wood.....	1.08
		<i>For Up To 100, Add</i>	0.40
		<i>For >100 To 250, Add</i>	0.21
		<i>For >250 To 500, Add</i>	0.09
09 96 23 00-0007	SF	Anti-Graffiti Coating System, 1 Coat, Painted Surface.....	0.92
		<i>For Up To 100, Add</i>	0.37
		<i>For >100 To 250, Add</i>	0.19
		<i>For >250 To 500, Add</i>	0.09
09 96 23 00-0008	SF	Anti-Graffiti Coating System, 2 Coats, Concrete Surface	2.12
		<i>For Up To 100, Add</i>	0.73
		<i>For >100 To 250, Add</i>	0.38
		<i>For >250 To 500, Add</i>	0.18
09 96 23 00-0009	SF	Anti-Graffiti Coating System, 2 Coats, Brick Or Block.....	2.20
		<i>For Up To 100, Add</i>	0.74
		<i>For >100 To 250, Add</i>	0.39
		<i>For >250 To 500, Add</i>	0.18
09 96 23 00-0010	SF	Anti-Graffiti Coating System, 2 Coats, Tile.....	1.63
		<i>For Up To 100, Add</i>	0.66
		<i>For >100 To 250, Add</i>	0.34
		<i>For >250 To 500, Add</i>	0.15
09 96 23 00-0011	SF	Anti-Graffiti Coating System, 2 Coats, Metal Or Steel	1.55
		<i>For Up To 100, Add</i>	0.65
		<i>For >100 To 250, Add</i>	0.33
		<i>For >250 To 500, Add</i>	0.15
09 96 23 00-0012	SF	Anti-Graffiti Coating System, 2 Coats, Wood.....	2.08
		<i>For Up To 100, Add</i>	0.73
		<i>For >100 To 250, Add</i>	0.38
		<i>For >250 To 500, Add</i>	0.17
09 96 23 00-0013	SF	Anti-Graffiti Coating System, 2 Coats, Painted Surface.....	1.79
		<i>For Up To 100, Add</i>	0.68
		<i>For >100 To 250, Add</i>	0.35
		<i>For >250 To 500, Add</i>	0.16

09 96 26 Marine Coatings (09 96)

09 96 26 00-0001 Marine Coatings (09 96 26)

09 96 26 00-0002	SF	Paint Bridge, Structural Steel, Zinc Primer; Tnemec -Tnemezinc Series 90E-92	0.94
		<i>For Spray Application, Deduct</i>	-0.18
09 96 26 00-0003	SF	Paint Bridge, Structural Steel, Intermediate Coat, Epoxy; Tnemec - Series 66	1.15
		<i>For Spray Application, Deduct</i>	-0.19
09 96 26 00-0004	SF	Paint Bridge, Structural Steel, Final Coat, Urethane; Tnemec - Endurashield Series 73.....	1.21
		<i>For Spray Application, Deduct</i>	-0.17

09 96 46 Intumescent Painting (09 96)

09 96 46 00-0001 Intumescent Paints (09 96 46)

09 96 46 00-0002	SF	Intumescent Paint Interior, 1 Coat Paint, Brush	1.32
09 96 46 00-0003	SF	Intumescent Paint Interior, 1 Coat Paint, Brush/Roller Work	1.17
09 96 46 00-0004	SF	Intumescent Paint Interior, 1 Coat Primer, Sprayed.....	1.28

09 96 53 Elastomeric Coatings (09 96)

09 96 53 00-0001 Elastomeric Painting (09 96 53)

Note: Per coat.

09 Finishes**09 90 Painting And Coating****09 96 High-Performance Coatings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 96 53 00-0002	SF	Paint, Brush, Elastomeric, Per Coat.....	1.30
		For Work >20', Add	0.15
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.54
		For >100 To 250, Add	0.28
		For >250 To 500, Add	0.12
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.20
		For >20,000, Deduct	-0.26
09 96 53 00-0003	SF	Paint, Roller, Elastomeric, Per Coat.....	1.12
		For Work >20', Add	0.10
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.41
		For >100 To 250, Add	0.21
		For >250 To 500, Add	0.10
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.11
		For >10,000 To 20,000, Deduct	-0.17
		For >20,000, Deduct	-0.22
09 96 53 00-0004	SF	Paint, Conventional Spray, Elastomeric, Per Coat.....	1.23
		For Work >20', Add	0.10
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.42
		For >100 To 250, Add	0.22
		For >250 To 500, Add	0.10
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 20,000, Deduct	-0.18
		For >20,000, Deduct	-0.25
09 96 53 00-0005	SF	Paint, Airless Spray, Elastomeric, Per Coat.....	1.16
		For Work >20', Add	0.08
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	0.37
		For >100 To 250, Add	0.20
		For >250 To 500, Add	0.09
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 20,000, Deduct	-0.17
		For >20,000, Deduct	-0.23

09 96 56 Epoxy Coatings (09 96)

09 96 56 00-0001		High Build Epoxy (09 96 56)	
09 96 56 00-0002	SF	High Build Epoxy - 50 Mil.....	1.45
09 96 56 00-0003		Laminated Epoxy With Fiberglass (09 96 56)	
09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass.....	2.60

09 96 66 Aggregate Wall Coatings (09 96)

09 96 66 00-0001		Troweled On (09 96 66)	
09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	1.90
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On.....	3.37
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On.....	5.12
09 96 66 00-0005		Sprayed On (09 96 66)	
09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On.....	1.56

09 97 Special Coatings (09 90)**09 97 13 Steel Coatings (09 97)****09 97 13 23 Exterior Steel Coatings (09 97 13)**

09 97 13 23-0001		Surface Preparation For Structural Steel (09 97 13 23)	
		Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.	
09 97 13 23-0002		SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)	
09 97 13 23-0003	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.49
		For Up To 100, Add	0.33
		For >100 To 250, Add	0.16
		For >250 To 500, Add	0.07
09 97 13 23-0004	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.43
		For Up To 100, Add	0.29
		For >100 To 250, Add	0.14
		For >250 To 500, Add	0.06
09 97 13 23-0005	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.43
		For Up To 100, Add	0.29
		For >100 To 250, Add	0.14
		For >250 To 500, Add	0.06



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0006	SF		Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation .....0.60 <i>For Up To 100, Add 0.41</i> <i>For >100 To 250, Add 0.20</i> <i>For >250 To 500, Add 0.08</i>		
09 97 13 23-0007			SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel <small>(09 97 13 23-0001)</small>		
09 97 13 23-0008	SF		Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....1.23 <i>For Up To 100, Add 0.86</i> <i>For >100 To 250, Add 0.41</i> <i>For >250 To 500, Add 0.17</i>		
09 97 13 23-0009	SF		Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....1.07 <i>For Up To 100, Add 0.74</i> <i>For >100 To 250, Add 0.35</i> <i>For >250 To 500, Add 0.15</i>		
09 97 13 23-0010	SF		Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....0.99 <i>For Up To 100, Add 0.68</i> <i>For >100 To 250, Add 0.32</i> <i>For >250 To 500, Add 0.14</i>		
09 97 13 23-0011	SF		Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation .....1.54 <i>For Up To 100, Add 1.09</i> <i>For >100 To 250, Add 0.51</i> <i>For >250 To 500, Add 0.22</i>		
09 97 13 23-0012			SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel <small>(09 97 13 23-0001)</small>		
09 97 13 23-0013	SF		Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....2.38 <i>For Up To 100, Add 1.68</i> <i>For >100 To 250, Add 0.79</i> <i>For >250 To 500, Add 0.34</i>		
09 97 13 23-0014	SF		Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....2.04 <i>For Up To 100, Add 1.43</i> <i>For >100 To 250, Add 0.67</i> <i>For >250 To 500, Add 0.29</i>		
09 97 13 23-0015	SF		Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....1.88 <i>For Up To 100, Add 1.31</i> <i>For >100 To 250, Add 0.62</i> <i>For >250 To 500, Add 0.27</i>		
09 97 13 23-0016	SF		Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....2.87 <i>For Up To 100, Add 2.04</i> <i>For >100 To 250, Add 0.96</i> <i>For >250 To 500, Add 0.41</i>		
09 97 13 23-0017			SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel <small>(09 97 13 23-0001)</small>		
09 97 13 23-0018	SF		Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....1.78 <i>For Up To 100, Add 1.25</i> <i>For >100 To 250, Add 0.59</i> <i>For >250 To 500, Add 0.25</i>		
09 97 13 23-0019	SF		Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....1.51 <i>For Up To 100, Add 1.05</i> <i>For >100 To 250, Add 0.50</i> <i>For >250 To 500, Add 0.21</i>		
09 97 13 23-0020	SF		Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....1.44 <i>For Up To 100, Add 1.00</i> <i>For >100 To 250, Add 0.47</i> <i>For >250 To 500, Add 0.20</i>		
09 97 13 23-0021	SF		Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation.....2.09 <i>For Up To 100, Add 1.49</i> <i>For >100 To 250, Add 0.70</i> <i>For >250 To 500, Add 0.30</i>		
09 97 13 23-0022			Protective Coatings For Tanks & Structures <small>(09 97 13 23)</small> Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
09 97 13 23-0023			1.5 Mil Prime Coat For Structural Steel <small>(09 97 13 23-0022)</small>		
09 97 13 23-0024	SF		Spray Type 1 Structural Steel 1.5 Mil Prime Coat.....0.48 <i>For Up To 100, Add 0.29</i> <i>For >100 To 250, Add 0.14</i> <i>For >250 To 500, Add 0.06</i>		
09 97 13 23-0025	SF		Spray Type 2 Structural Steel 1.5 Mil Prime Coat.....0.37 <i>For Up To 100, Add 0.22</i> <i>For >100 To 250, Add 0.11</i> <i>For >250 To 500, Add 0.05</i>		
09 97 13 23-0026	SF		Spray Type 3 Structural Steel 1.5 Mil Prime Coat.....0.32 <i>For Up To 100, Add 0.19</i> <i>For >100 To 250, Add 0.09</i> <i>For >250 To 500, Add 0.04</i>		
09 97 13 23-0027	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat .....0.57 <i>For Up To 100, Add 0.37</i> <i>For >100 To 250, Add 0.17</i> <i>For >250 To 500, Add 0.08</i>		

09 Finishes

09 90 Painting And Coating

09 97 Special Coatings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0028	SF		Brush Type 1 Structural Steel 1.5 Mil Prime Coat.....	0.74	
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
09 97 13 23-0029	SF		Brush Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.54	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
09 97 13 23-0030	SF		Brush Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.49	
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
09 97 13 23-0031	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	0.88	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
09 97 13 23-0032			1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0022)		
09 97 13 23-0033	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.42	
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
09 97 13 23-0034	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.05	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
09 97 13 23-0035	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	0.99	
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
09 97 13 23-0036	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.71	
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
09 97 13 23-0037	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.07	
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
09 97 13 23-0038	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	0.79	
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
09 97 13 23-0039	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	0.74	
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
09 97 13 23-0040	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.28	
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
09 97 13 23-0041	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.35	
			For Up To 100, Add	1.56	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
09 97 13 23-0042	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.69	
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
09 97 13 23-0043	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.56	
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
09 97 13 23-0044	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.85	
			For Up To 100, Add	1.93	
			For >100 To 250, Add	0.91	
			For >250 To 500, Add	0.39	
09 97 13 23-0045	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.75	
			For Up To 100, Add	1.16	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
09 97 13 23-0046	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.26	
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
09 97 13 23-0047	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.17	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
09 97 13 23-0048	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.14	
			For Up To 100, Add	1.45	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.30	

09 97 13 23-0049 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0022)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97	13 23-0050	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.10	
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
09 97	13 23-0051	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	0.90	
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
09 97	13 23-0052	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	0.83	
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
09 97	13 23-0053	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.33	
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
09 97	13 23-0054	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.70	
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
09 97	13 23-0055	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.57	
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
09 97	13 23-0056	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.53	
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
09 97	13 23-0057	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.86	
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
09 97	13 23-0058	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.68	
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
09 97	13 23-0059	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.36	
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
09 97	13 23-0060	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.25	
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
09 97	13 23-0061	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.08	
			For Up To 100, Add	1.41	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
09 97	13 23-0062	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.08	
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
09 97	13 23-0063	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.88	
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
09 97	13 23-0064	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.80	
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
09 97	13 23-0065	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.33	
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.18	
09 97	13 23-0066		2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel <small>(09 97 13 23-0022)</small>		
09 97	13 23-0067	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.90	
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
09 97	13 23-0068	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.44	
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
09 97	13 23-0069	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.30	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
09 97	13 23-0070	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.13	
			For Up To 100, Add	1.17	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
09 97	13 23-0071	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.34	
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	

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09 97 13 23-0072	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.00	
		For Up To 100, Add	0.49	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
09 97 13 23-0073	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	0.91	
		For Up To 100, Add	0.42	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
09 97 13 23-0074	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.50	
		For Up To 100, Add	0.83	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.18	
09 97 13 23-0075		2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel (09 97 13 23-0022)		
09 97 13 23-0076	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.10	
		For Up To 100, Add	1.05	
		For >100 To 250, Add	0.52	
		For >250 To 500, Add	0.23	
09 97 13 23-0077	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.62	
		For Up To 100, Add	0.74	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
09 97 13 23-0078	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.48	
		For Up To 100, Add	0.63	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
09 97 13 23-0079	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.33	
		For Up To 100, Add	1.20	
		For >100 To 250, Add	0.59	
		For >250 To 500, Add	0.26	
09 97 13 23-0080	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.72	
		For Up To 100, Add	0.86	
		For >100 To 250, Add	0.42	
		For >250 To 500, Add	0.19	
09 97 13 23-0081	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.32	
		For Up To 100, Add	0.60	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
09 97 13 23-0082	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.20	
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.12	
09 97 13 23-0083	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats.....	1.90	
		For Up To 100, Add	0.98	
		For >100 To 250, Add	0.48	
		For >250 To 500, Add	0.21	
09 97 13 23-0084		1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel (09 97 13 23-0022)		
09 97 13 23-0085	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	4.33	
		For Up To 100, Add	2.23	
		For >100 To 250, Add	1.09	
		For >250 To 500, Add	0.48	
09 97 13 23-0086	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	3.37	
		For Up To 100, Add	1.62	
		For >100 To 250, Add	0.80	
		For >250 To 500, Add	0.35	
09 97 13 23-0087	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	3.27	
		For Up To 100, Add	1.55	
		For >100 To 250, Add	0.77	
		For >250 To 500, Add	0.34	
09 97 13 23-0088	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	4.94	
		For Up To 100, Add	2.67	
		For >100 To 250, Add	1.30	
		For >250 To 500, Add	0.57	
09 97 13 23-0089		1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel (09 97 13 23-0022)		
09 97 13 23-0090	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.36	
		For Up To 100, Add	1.10	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
09 97 13 23-0091	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	1.96	
		For Up To 100, Add	0.80	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
09 97 13 23-0092	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	1.89	
		For Up To 100, Add	0.75	
		For >100 To 250, Add	0.38	
		For >250 To 500, Add	0.17	
09 97 13 23-0093	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.64	
		For Up To 100, Add	1.29	
		For >100 To 250, Add	0.64	
		For >250 To 500, Add	0.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0094 SF Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	1.86	
<i>For Up To 100, Add</i>	<i>0.87</i>	
<i>For >100 To 250, Add</i>	<i>0.43</i>	
<i>For >250 To 500, Add</i>	<i>0.19</i>	
09 97 13 23-0095 SF Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	1.54	
<i>For Up To 100, Add</i>	<i>0.63</i>	
<i>For >100 To 250, Add</i>	<i>0.32</i>	
<i>For >250 To 500, Add</i>	<i>0.14</i>	
09 97 13 23-0096 SF Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	1.48	
<i>For Up To 100, Add</i>	<i>0.59</i>	
<i>For >100 To 250, Add</i>	<i>0.30</i>	
<i>For >250 To 500, Add</i>	<i>0.14</i>	
09 97 13 23-0097 SF Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	2.09	
<i>For Up To 100, Add</i>	<i>1.02</i>	
<i>For >100 To 250, Add</i>	<i>0.50</i>	
<i>For >250 To 500, Add</i>	<i>0.22</i>	
09 97 13 23-0098 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel (09 97 13 23-0022)		
09 97 13 23-0099 SF Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	1.88	
<i>For Up To 100, Add</i>	<i>1.03</i>	
<i>For >100 To 250, Add</i>	<i>0.50</i>	
<i>For >250 To 500, Add</i>	<i>0.22</i>	
09 97 13 23-0100 SF Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	1.55	
<i>For Up To 100, Add</i>	<i>0.82</i>	
<i>For >100 To 250, Add</i>	<i>0.40</i>	
<i>For >250 To 500, Add</i>	<i>0.18</i>	
09 97 13 23-0101 SF Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	1.45	
<i>For Up To 100, Add</i>	<i>0.75</i>	
<i>For >100 To 250, Add</i>	<i>0.37</i>	
<i>For >250 To 500, Add</i>	<i>0.16</i>	
09 97 13 23-0102 SF Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats.....	2.28	
<i>For Up To 100, Add</i>	<i>1.32</i>	
<i>For >100 To 250, Add</i>	<i>0.64</i>	
<i>For >250 To 500, Add</i>	<i>0.28</i>	
09 97 13 23-0103 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel (09 97 13 23-0022)		
09 97 13 23-0104 SF Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.77	
<i>For Up To 100, Add</i>	<i>1.04</i>	
<i>For >100 To 250, Add</i>	<i>0.50</i>	
<i>For >250 To 500, Add</i>	<i>0.22</i>	
09 97 13 23-0105 SF Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.30	
<i>For Up To 100, Add</i>	<i>0.71</i>	
<i>For >100 To 250, Add</i>	<i>0.34</i>	
<i>For >250 To 500, Add</i>	<i>0.15</i>	
09 97 13 23-0106 SF Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.13	
<i>For Up To 100, Add</i>	<i>0.58</i>	
<i>For >100 To 250, Add</i>	<i>0.28</i>	
<i>For >250 To 500, Add</i>	<i>0.12</i>	
09 97 13 23-0107 SF Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.00	
<i>For Up To 100, Add</i>	<i>1.19</i>	
<i>For >100 To 250, Add</i>	<i>0.57</i>	
<i>For >250 To 500, Add</i>	<i>0.25</i>	
09 97 13 23-0108 One 3 Mil High Zinc Silicate Coat For Structural Steel (09 97 13 23-0022)		
09 97 13 23-0109 SF Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.04	
<i>For Up To 100, Add</i>	<i>0.48</i>	
<i>For >100 To 250, Add</i>	<i>0.24</i>	
<i>For >250 To 500, Add</i>	<i>0.11</i>	
09 97 13 23-0110 SF Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat.....	0.79	
<i>For Up To 100, Add</i>	<i>0.32</i>	
<i>For >100 To 250, Add</i>	<i>0.16</i>	
<i>For >250 To 500, Add</i>	<i>0.07</i>	
09 97 13 23-0111 SF Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat.....	0.76	
<i>For Up To 100, Add</i>	<i>0.30</i>	
<i>For >100 To 250, Add</i>	<i>0.15</i>	
<i>For >250 To 500, Add</i>	<i>0.07</i>	
09 97 13 23-0112 SF Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat.....	1.09	
<i>For Up To 100, Add</i>	<i>0.51</i>	
<i>For >100 To 250, Add</i>	<i>0.25</i>	
<i>For >250 To 500, Add</i>	<i>0.11</i>	
09 97 13 23-0113 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel (09 97 13 23-0022)		
Note: Installed over existing primer.		
09 97 13 23-0114 SF Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.53	
<i>For Up To 100, Add</i>	<i>0.80</i>	
<i>For >100 To 250, Add</i>	<i>0.39</i>	
<i>For >250 To 500, Add</i>	<i>0.17</i>	

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09 97 13 23-0115	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.27
		For Up To 100, Add	0.63
		For >100 To 250, Add	0.31
		For >250 To 500, Add	0.14
09 97 13 23-0116	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.14
		For Up To 100, Add	0.54
		For >100 To 250, Add	0.27
		For >250 To 500, Add	0.12
09 97 13 23-0117	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	1.75
		For Up To 100, Add	0.95
		For >100 To 250, Add	0.46
		For >250 To 500, Add	0.20
09 97 13 24 Steel Water Storage Tank Painting (09 97 13)			
09 97 13 24-0001		Surface Preparation For Tanks (09 97 13 24)	
		Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.	
09 97 13 24-0002		SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks (09 97 13 24-0001)	
09 97 13 24-0003	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	0.52
		For Up To 100, Add	0.39
		For >100 To 250, Add	0.18
		For >250 To 500, Add	0.08
09 97 13 24-0004	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	0.46
		For Up To 100, Add	0.35
		For >100 To 250, Add	0.16
		For >250 To 500, Add	0.07
09 97 13 24-0005	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	0.65
		For Up To 100, Add	0.49
		For >100 To 250, Add	0.23
		For >250 To 500, Add	0.10
09 97 13 24-0006		SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)	
09 97 13 24-0007	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.41
		For Up To 100, Add	0.28
		For >100 To 250, Add	0.13
		For >250 To 500, Add	0.06
09 97 13 24-0008	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.32
		For Up To 100, Add	0.22
		For >100 To 250, Add	0.10
		For >250 To 500, Add	0.05
09 97 13 24-0009	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	0.56
		For Up To 100, Add	0.40
		For >100 To 250, Add	0.19
		For >250 To 500, Add	0.08
09 97 13 24-0010		SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)	
09 97 13 24-0011	SF	Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	0.99
		For Up To 100, Add	0.68
		For >100 To 250, Add	0.32
		For >250 To 500, Add	0.14
09 97 13 24-0012	SF	Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	0.92
		For Up To 100, Add	0.63
		For >100 To 250, Add	0.30
		For >250 To 500, Add	0.13
09 97 13 24-0013	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	1.32
		For Up To 100, Add	0.93
		For >100 To 250, Add	0.44
		For >250 To 500, Add	0.19
09 97 13 24-0014		SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)	
09 97 13 24-0015	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	1.79
		For Up To 100, Add	1.25
		For >100 To 250, Add	0.59
		For >250 To 500, Add	0.25
09 97 13 24-0016	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	1.71
		For Up To 100, Add	1.19
		For >100 To 250, Add	0.56
		For >250 To 500, Add	0.24
09 97 13 24-0017	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	2.48
		For Up To 100, Add	1.76
		For >100 To 250, Add	0.83
		For >250 To 500, Add	0.36
09 97 13 24-0018		SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)	
09 97 13 24-0019	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	1.43
		For Up To 100, Add	1.00
		For >100 To 250, Add	0.47
		For >250 To 500, Add	0.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0020 SF Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	1.43	
For Up To 100, Add	1.00	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
09 97 13 24-0021 SF Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.08	
For Up To 100, Add	1.49	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.30	
09 97 13 24-0022 Protective Coatings For Tanks (09 97 13 24)		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0023 1.5 Mil Prime Coat For Tanks (09 97 13 24-0022)		
09 97 13 24-0024 SF Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.29	
For Up To 100, Add	0.16	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.03	
09 97 13 24-0025 SF Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.25	
For Up To 100, Add	0.13	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
09 97 13 24-0026 SF Spray Tank Interior 1.5 Mil Prime Coat.....	0.53	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
09 97 13 24-0027 SF Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.43	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
09 97 13 24-0028 SF Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.35	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
09 97 13 24-0029 SF Brush Tank Interior 1.5 Mil Prime Coat.....	0.84	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0031 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	0.87	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 97 13 24-0032 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	0.70	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
09 97 13 24-0033 SF Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.52	
For Up To 100, Add	0.96	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 97 13 24-0034 SF Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	0.65	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
09 97 13 24-0035 SF Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	0.53	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
09 97 13 24-0036 SF Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.13	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 97 13 24-0037 SF Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.37	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
09 97 13 24-0038 SF Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.06	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 97 13 24-0039 SF Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.56	
For Up To 100, Add	1.74	
For >100 To 250, Add	0.82	
For >250 To 500, Add	0.35	
09 97 13 24-0040 SF Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.02	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 97 13 24-0041 SF Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	0.78	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
09 97 13 24-0042 SF Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.92	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	

09 Finishes
09 90 Painting And Coating
09 97 Special Coatings



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 97 13 24-0043		Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks <small>(09 97 13 24-0022)</small>	
09 97 13 24-0044	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	0.76
		For Up To 100, Add	0.44
		For >100 To 250, Add	0.21
		For >250 To 500, Add	0.09
09 97 13 24-0045	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	0.66
		For Up To 100, Add	0.36
		For >100 To 250, Add	0.18
		For >250 To 500, Add	0.08
09 97 13 24-0046	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.54
		For Up To 100, Add	1.02
		For >100 To 250, Add	0.48
		For >250 To 500, Add	0.21
09 97 13 24-0047	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.49
		For Up To 100, Add	0.28
		For >100 To 250, Add	0.14
		For >250 To 500, Add	0.06
09 97 13 24-0048	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.43
		For Up To 100, Add	0.24
		For >100 To 250, Add	0.12
		For >250 To 500, Add	0.05
09 97 13 24-0049	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats.....	0.99
		For Up To 100, Add	0.66
		For >100 To 250, Add	0.31
		For >250 To 500, Add	0.13
09 97 13 24-0050	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.14
		For Up To 100, Add	0.72
		For >100 To 250, Add	0.34
		For >250 To 500, Add	0.15
09 97 13 24-0051	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	0.97
		For Up To 100, Add	0.60
		For >100 To 250, Add	0.28
		For >250 To 500, Add	0.12
09 97 13 24-0052	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.58
		For Up To 100, Add	1.85
		For >100 To 250, Add	0.87
		For >250 To 500, Add	0.37
09 97 13 24-0053	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.73
		For Up To 100, Add	0.46
		For >100 To 250, Add	0.22
		For >250 To 500, Add	0.10
09 97 13 24-0054	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.61
		For Up To 100, Add	0.37
		For >100 To 250, Add	0.18
		For >250 To 500, Add	0.08
09 97 13 24-0055	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats.....	1.70
		For Up To 100, Add	1.19
		For >100 To 250, Add	0.56
		For >250 To 500, Add	0.24
09 97 13 24-0056		2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks <small>(09 97 13 24-0022)</small>	
09 97 13 24-0057	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.21
		For Up To 100, Add	0.55
		For >100 To 250, Add	0.27
		For >250 To 500, Add	0.12
09 97 13 24-0058	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.08
		For Up To 100, Add	0.45
		For >100 To 250, Add	0.23
		For >250 To 500, Add	0.10
09 97 13 24-0059	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	0.84
		For Up To 100, Add	0.38
		For >100 To 250, Add	0.19
		For >250 To 500, Add	0.08
09 97 13 24-0060	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	0.75
		For Up To 100, Add	0.31
		For >100 To 250, Add	0.16
		For >250 To 500, Add	0.07
09 97 13 24-0061		2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks <small>(09 97 13 24-0022)</small>	
09 97 13 24-0062	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.38
		For Up To 100, Add	0.57
		For >100 To 250, Add	0.29
		For >250 To 500, Add	0.13
09 97 13 24-0063	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.25
		For Up To 100, Add	0.48
		For >100 To 250, Add	0.25
		For >250 To 500, Add	0.11
09 97 13 24-0064	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats.....	1.13
		For Up To 100, Add	0.47
		For >100 To 250, Add	0.24
		For >250 To 500, Add	0.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0065 SF Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.02	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0067 SF Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	3.16	
For Up To 100, Add	1.49	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.33	
09 97 13 24-0068 SF Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	2.96	
For Up To 100, Add	1.34	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.30	
09 97 13 24-0069 SF Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.52	
For Up To 100, Add	2.51	
For >100 To 250, Add	1.21	
For >250 To 500, Add	0.53	
09 97 13 24-0070 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0071 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	1.74	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 97 13 24-0072 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	1.59	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
09 97 13 24-0073 SF Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.40	
For Up To 100, Add	1.21	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 24-0074 SF Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	1.37	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
09 97 13 24-0075 SF Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	1.25	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 97 13 24-0076 SF Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	1.89	
For Up To 100, Add	0.96	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0078 SF Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	1.44	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 97 13 24-0079 SF Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	1.24	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
09 97 13 24-0080 SF Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	1.78	
For Up To 100, Add	1.00	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks (09 97 13 24-0022)		
09 97 13 24-0082 SF Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.01	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
09 97 13 24-0083 SF Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	0.95	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
09 97 13 24-0084 SF Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.46	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
09 97 13 24-0085 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior (09 97 13 24-0022)		
09 97 13 24-0086 SF Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	2.18	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.25	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0087 SF Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	1.42	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
09 97 13 24-0088 One 3 Mil High Zinc Silicate Coat For Tanks (09 97 13 24-0022)		
09 97 13 24-0089 SF Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	0.72	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
09 97 13 24-0090 SF Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	0.69	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
09 97 13 24-0091 SF Spray Tank Interior One 3 Mil High Zinc Silicate Coat	1.01	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
09 97 13 24-0092 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks (09 97 13 24-0022)		
Note: Installed over existing primer.		
09 97 13 24-0093 SF Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.08	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 97 13 24-0094 SF Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	0.99	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
09 97 13 24-0095 SF Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	1.42	
For Up To 100, Add	0.76	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 97 13 24-0096 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks (09 97 13 24-0022)		
09 97 13 24-0097 SF Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat.....	3.62	
For Up To 100, Add	2.09	
For >100 To 250, Add	1.00	
For >250 To 500, Add	0.44	
09 97 26 Cementitious Coatings (09 97)		
09 97 26 13 Interior Cementitious Coatings (09 97 26)		
09 97 26 13-0001 Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003 SF Ceramic-like Glazed Coating. - Cementitious	1.18	
09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)		
09 97 26 13-0005 SF Ceramic-like Glazed Coating - Resin	0.96	
09 97 35 Dry Erase Coatings (09 97)		
09 97 35 00-0001 Dry-Erase Paint (09 97 35)		
09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) (09 97 35 00-0001)		
09 97 35 00-0003 SF Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller	6.20	
Note: Includes two coats of primer and white, white sand, light beige or light gray surface.		
09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) (09 97 35 00-0001)		
09 97 35 00-0005 SF Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller.....	3.53	
Note: For application over existing latex-based top coats.		
09 97 35 00-0006 SF Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller	6.68	
Note: Includes two coats of primer and white or black surface coat.		
09 97 63 Special Coatings (09 97)		
09 97 63 00-0001 Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002 SF Acrylic Glazed Coating.....	0.72	

END OF SECTION 09



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 Specialties

10 10 Information Specialties ⁽¹⁰⁾

10 11 Visual Display Units ^(10 10)

10 11 13 Chalkboards ^(10 11)

10 11 13 13 Fixed Chalkboards ^(10 11 13)

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-001		Porcelain Enamel Steel Chalkboards ^(10 11 13 13)		
10 11 13 13-002		5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) ^(10 11 13 13-0001)		
		Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	35.43	3.31
10 11 13 13-004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	24.51	1.55
10 11 13 13-005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	21.21	1.34
10 11 13 13-006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	18.39	0.87
10 11 13 13-007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	16.20	0.49
10 11 13 13-008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) ^(10 11 13 13-0001)		
		Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	38.10	3.31
10 11 13 13-010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	27.12	1.55
10 11 13 13-011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	23.61	1.34
10 11 13 13-012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	21.30	0.87
10 11 13 13-013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.05	0.49
10 11 13 13-014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) ^(10 11 13 13-0001)		
		Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	33.78	3.31
10 11 13 13-016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	22.83	1.55
10 11 13 13-017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	19.60	1.34
10 11 13 13-018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	17.04	0.87
10 11 13 13-019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	14.69	0.49
10 11 13 13-020		Remove And Reinstall ^(10 11 13 13)		
10 11 13 13-021	SF	Removal And Reinstallation Of Chalkboard.....	4.36	
10 11 13 13-022		Field Applied Chalkboard And Accessories ^(10 11 13 13)		
10 11 13 13-023		Chalkboard Face Sheets And Panels ^(10 11 13 13-0022)		
10 11 13 13-024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	10.60	1.55
		Note: Includes porcelain enamel steel chalkboard skin.		
10 11 13 13-025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT).....	13.58	1.55
		Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.		
10 11 13 13-026		Chalkboard And Markerboard Accessory Trays And Trim ^(10 11 13 13-0022)		
10 11 13 13-027	LF	Chalk And Marker Tray, Field Applied	10.46	2.14
10 11 13 13-028	PR	Chalk And Marker Tray End Closures, Field Applied.....	12.57	3.89
10 11 13 13-029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied.....	6.25	2.14
10 11 13 13-030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	6.57	2.14
10 11 13 13-031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	7.55	2.14
10 11 13 13-032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	8.35	2.14
10 11 13 13-033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	7.08	2.14
10 11 13 33		Rail-Mounted Chalkboards ^(10 11 13)		
10 11 13 33-0001		Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) ^(10 11 13 33)		
10 11 13 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0001)		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,008.52	38.90
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,270.89	38.90
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,580.79	41.43
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,885.64	41.43
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,619.37	44.54


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,862.53	44.54
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,376.39	46.68
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,980.01	46.68
10 11 13 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,791.15	38.90
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,334.62	38.90
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,826.53	41.43
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,325.51	41.43
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,939.93	44.54
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,159.84	44.54
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,069.05	46.68
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,803.11	46.68
10 11 13 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,124.83	38.90
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,569.21	38.90
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,041.91	41.43
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,552.01	41.43
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,530.44	44.54
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,764.50	44.54
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,826.41	46.68
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	7,638.88	46.68
10 11 13 33-0029		Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) <small>(10 11 13 33)</small>		
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0029)</small>		
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,425.60	38.90
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,689.99	38.90
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,945.29	41.43
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,404.32	41.43
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,732.05	44.54
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,155.68	44.54
10 11 13 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0029)</small>		
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,616.65	38.90
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,027.14	38.90
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,430.55	41.43
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,185.80	41.43
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,645.96	44.54
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,331.43	44.54
10 11 13 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0029)</small>		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,984.66	38.90
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,544.27	38.90
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,096.81	41.43
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,147.27	41.43
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,751.98	44.54
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,717.51	44.54
10 11 13 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) <small>(10 11 13 33)</small>		
		Note: Excludes remotes.		
10 11 13 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0051)</small>		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,945.89	77.79
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,180.08	77.79
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,433.28	80.23
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,862.21	80.23
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,328.35	82.66
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,742.11	82.66
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,626.69	87.52
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,741.15	87.52
10 11 13 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0051)</small>		
10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,644.10	77.79
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,953.72	77.79
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,291.46	80.23
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,921.81	80.23
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,540.83	82.66



Specialties	10
Information Specialties	10 10
Visual Display Units	10 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0067 EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,139.83	82.66
10 11 13 33-0068 EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,340.09	87.52
10 11 13 33-0069 EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,521.49	87.52
10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0051)		
10 11 13 33-0071 EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,502.04	77.79
10 11 13 33-0072 EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,283.46	77.79
10 11 13 33-0073 EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,689.55	80.23
10 11 13 33-0074 EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,509.19	80.23
10 11 13 33-0075 EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,363.00	82.66
10 11 13 33-0076 EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	20,191.74	82.66
10 11 13 33-0077 EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	21,810.82	87.52
10 11 13 33-0078 EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	22,129.94	87.52
10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories (10 11 13 33)		
10 11 13 33-0080 EA One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	609.57	
10 11 13 33-0081 EA Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	1,045.37	
10 11 16 Markerboards (10 11)		
10 11 16 13 Fixed Markerboards (10 11 16)		
Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.		
10 11 16 13-0001 Porcelain Enamel Steel Markerboards (10 11 16 13)		
10 11 16 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) (10 11 16 13-0001)		
Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003 SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	35.60	3.31
10 11 16 13-0004 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	25.10	1.55
10 11 16 13-0005 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	21.21	1.34
10 11 16 13-0006 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	18.60	0.87
10 11 16 13-0007 SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	15.96	0.49
10 11 16 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) (10 11 16 13-0001)		
Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009 SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	38.14	3.31
10 11 16 13-0010 SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	25.86	1.55
10 11 16 13-0011 SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	22.34	1.34
10 11 16 13-0012 SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	20.03	0.87
10 11 16 13-0013 SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	18.31	0.49
10 11 16 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) (10 11 16 13-0001)		
Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015 SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	33.76	3.31
10 11 16 13-0016 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	22.84	1.55
10 11 16 13-0017 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	20.83	1.34
10 11 16 13-0018 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	17.17	0.87
10 11 16 13-0019 SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	14.41	0.49
10 11 16 13-0020 Melamine Markerboards (10 11 16 13)		
10 11 16 13-0021 1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) (10 11 16 13-0020)		
Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022 SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	25.99	3.31
10 11 16 13-0023 SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	17.48	1.55
10 11 16 13-0024 SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	15.20	1.34
10 11 16 13-0025 SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	11.86	0.87
10 11 16 13-0026 SF >24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	10.36	0.49
10 11 16 13-0027 1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) (10 11 16 13-0020)		
Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028 SF Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	25.13	3.31
10 11 16 13-0029 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	17.08	1.55
10 11 16 13-0030 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	14.63	1.34
10 11 16 13-0031 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	10.85	0.87
10 11 16 13-0032 SF >24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	9.44	0.49
10 11 16 13-0033 Nonporous, Non-Staining Markerboards (10 11 16 13)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 16 13-0034			5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	26.12	3.31
			<i>For Magnetic Surface, Add</i>	1.95	
10 11 16 13-0036	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	17.95	1.55
			<i>For Magnetic Surface, Add</i>	1.48	
10 11 16 13-0037	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	15.49	1.34
			<i>For Magnetic Surface, Add</i>	1.28	
10 11 16 13-0038	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	14.05	0.87
			<i>For Magnetic Surface, Add</i>	1.23	
10 11 16 13-0039	SF		>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	12.44	0.49
			<i>For Magnetic Surface, Add</i>	1.15	
10 11 16 13-0040			1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF		Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	26.12	3.31
			<i>For Magnetic Surface, Add</i>	1.95	
10 11 16 13-0042	SF		>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	17.95	1.55
			<i>For Magnetic Surface, Add</i>	1.48	
10 11 16 13-0043	SF		>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	15.49	1.34
			<i>For Magnetic Surface, Add</i>	1.28	
10 11 16 13-0044	SF		>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	14.05	0.87
			<i>For Magnetic Surface, Add</i>	1.23	
10 11 16 13-0045	SF		>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	12.44	0.49
			<i>For Magnetic Surface, Add</i>	1.15	
10 11 16 13-0046			1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF		Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	50.29	3.31
			<i>For Magnetic Surface, Add</i>	4.37	
10 11 16 13-0048	SF		>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	32.48	1.55
			<i>For Magnetic Surface, Add</i>	2.94	
10 11 16 13-0049	SF		>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	27.42	1.34
			<i>For Magnetic Surface, Add</i>	2.47	
10 11 16 13-0050	SF		>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	23.49	0.87
			<i>For Magnetic Surface, Add</i>	2.17	
10 11 16 13-0051	SF		>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	18.47	0.49
			<i>For Magnetic Surface, Add</i>	1.75	
10 11 16 13-0052			Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) <small>(10 11 16 13-0033)</small> Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF		Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	11.91	1.34
10 11 16 13-0054	SF		>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	10.50	0.87
10 11 16 13-0055	SF		>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	9.12	0.49
10 11 16 13-0056			Remove And Reinstall Markerboard <small>(10 11 16 13)</small>		
10 11 16 13-0057	EA		Up To 6 SF, Removal And Reinstallation Of Markerboard.....	23.34	
10 11 16 13-0058	EA		>6 To 12 SF, Removal And Reinstallation Of Markerboard	27.23	
10 11 16 13-0059	EA		>12 To 16 SF, Removal And Reinstallation Of Markerboard	31.12	
10 11 16 13-0060	EA		>16 To 24 SF, Removal And Reinstallation Of Markerboard	35.01	
10 11 16 13-0061	EA		>24 SF, Removal And Reinstallation Of Markerboard	38.90	
10 11 16 13-0062			Field Applied Markerboard And Accessories <small>(10 11 16 13)</small>		
10 11 16 13-0063			Markerboard Face Sheets And Panels <small>(10 11 16 13-0062)</small>		
10 11 16 13-0064	SF		Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS).....	10.36	1.55
			Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.		
10 11 16 13-0065	SF		Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick).....	13.03	1.55
			Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.		
10 11 16 13-0066	SF		Porcelain Enamel Steel Markerboard Panel (Claridge LCS).....	12.97	1.55
			Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.		
10 11 16 13-0067	SF		Melamine Markerboard Panel (Claridge 1032)	5.53	1.55
			Note: Includes 1/4" thick melamine panel.		
10 11 16 33			Rail-Mounted Markerboards <small>(10 11 16)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0001 Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) <small>(10 11 16 33)</small>		
10 11 16 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0003 EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	1,982.80	38.90
10 11 16 33-0004 EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,236.60	38.90
10 11 16 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,537.92	41.43
10 11 16 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,834.19	41.43
10 11 16 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,559.35	44.54
10 11 16 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,793.93	44.54
10 11 16 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,290.64	46.68
10 11 16 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,877.11	46.68
10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,765.43	38.90
10 11 16 33-0013 EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,300.33	38.90
10 11 16 33-0014 EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,783.66	41.43
10 11 16 33-0015 EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,274.07	41.43
10 11 16 33-0016 EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,879.91	44.54
10 11 16 33-0017 EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,091.24	44.54
10 11 16 33-0018 EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,983.31	46.68
10 11 16 33-0019 EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	6,700.21	46.68
10 11 16 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0021 EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,099.11	38.90
10 11 16 33-0022 EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,534.91	38.90
10 11 16 33-0023 EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,999.03	41.43
10 11 16 33-0024 EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,500.56	41.43
10 11 16 33-0025 EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,470.42	44.54
10 11 16 33-0026 EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,695.91	44.54
10 11 16 33-0027 EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	6,740.66	46.68
10 11 16 33-0028 EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	7,561.71	46.68
10 11 16 33-0029 Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) <small>(10 11 16 33)</small>		
10 11 16 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,391.30	38.90
10 11 16 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,647.12	38.90
10 11 16 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,893.85	41.43
10 11 16 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,335.72	41.43
10 11 16 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,646.31	44.54
10 11 16 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,052.79	44.54
10 11 16 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,548.06	38.90
10 11 16 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,941.39	38.90
10 11 16 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,327.66	41.43
10 11 16 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,048.61	41.43
10 11 16 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,474.46	44.54
10 11 16 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,125.65	44.54
10 11 16 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,881.76	38.90
10 11 16 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,415.65	38.90
10 11 16 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,942.46	41.43
10 11 16 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,941.48	41.43
10 11 16 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,494.74	44.54
10 11 16 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,408.82	44.54
10 11 16 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) <small>(10 11 16 33)</small>		
Note: Excludes remotes.		
10 11 16 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,903.02	77.79
10 11 16 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,126.49	77.79
10 11 16 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,368.98	80.23
10 11 16 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,776.47	80.23
10 11 16 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,221.17	82.66



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 16 33-0058	EA	10' x 12'	Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,613.50	82.66
10 11 16 33-0059	EA	10' x 14'	Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,476.64	87.52
10 11 16 33-0060	EA	10' x 16'	Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,569.66	87.52

10 11 16 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0051)

10 11 16 33-0062	EA	10' x 4'	Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,558.36	77.79
10 11 16 33-0063	EA	10' x 5'	Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,846.53	77.79
10 11 16 33-0064	EA	10' x 6'	Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,162.84	80.23
10 11 16 33-0065	EA	10' x 8'	Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,750.32	80.23
10 11 16 33-0066	EA	10' x 10'	Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,326.47	82.66
10 11 16 33-0067	EA	10' x 12'	Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,882.60	82.66
10 11 16 33-0068	EA	10' x 14'	Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	16,039.98	87.52
10 11 16 33-0069	EA	10' x 16'	Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	16,178.51	87.52

10 11 16 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0051)

10 11 16 33-0071	EA	10' x 4'	Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	16,373.42	77.79
10 11 16 33-0072	EA	10' x 5'	Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	17,122.69	77.79
10 11 16 33-0073	EA	10' x 6'	Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	17,496.63	80.23
10 11 16 33-0074	EA	10' x 8'	Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	18,251.96	80.23
10 11 16 33-0075	EA	10' x 10'	Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	19,041.46	82.66
10 11 16 33-0076	EA	10' x 12'	Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	19,805.89	82.66
10 11 16 33-0077	EA	10' x 14'	Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	21,360.65	87.52
10 11 16 33-0078	EA	10' x 16'	Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	21,615.46	87.52

10 11 23 Tackboards (10 11)

10 11 23 13 Fixed Tackboards (10 11 23)

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0001 Fixed Tackboards (10 11 23 13)
Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0002 Cork Surface, Fixed Tackboards (10 11 23 13-0001)
Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.

10 11 23 13-0003 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0002)

10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	20.18	3.31
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	12.55	1.55
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	10.91	1.34
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	9.33	0.87
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	8.36	0.49

10 11 23 13-0009 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) (10 11 23 13-0002)

10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	21.78	3.31
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	13.29	1.55
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	10.53	1.34
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	8.74	0.87
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	7.44	0.49

10 11 23 13-0015 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0002)

10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	21.95	3.31
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	14.85	1.55
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	14.07	1.34
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	11.31	0.87
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	9.60	0.49

10 11 23 13-0021 Burlap Backed Cork Surface, Fixed Tackboards (10 11 23 13-0001) Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.

10 11 23 13-0022 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0002)

10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	24.81	3.31
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	18.11	1.55
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	16.78	1.34
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	15.23	0.87
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	14.37	0.49

10 11 23 13-0028 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0002)

10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	28.69	3.31
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Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0030 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	22.25	1.55
10 11 23 13-0031 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.95	1.34
10 11 23 13-0032 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	18.27	0.87
10 11 23 13-0033 SF >24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	16.58	0.49
10 11 23 13-0034 Polyester Fabric Surface, Fixed Tackboards (10 11 23 13-0001) Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0034)		
10 11 23 13-0036 SF Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	21.27	3.31
10 11 23 13-0037 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	13.90	1.55
10 11 23 13-0038 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	12.42	1.34
10 11 23 13-0039 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	10.89	0.87
10 11 23 13-0040 SF >24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	9.75	0.49
10 11 23 13-0041 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0034)		
10 11 23 13-0042 SF Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	23.46	3.31
10 11 23 13-0043 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	16.74	1.55
10 11 23 13-0044 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	15.83	1.34
10 11 23 13-0045 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	13.25	0.87
10 11 23 13-0046 SF >24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	11.62	0.49
10 11 23 13-0047 Vinyl Fabric Surface, Fixed Tackboards (10 11 23 13-0001) Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0047)		
10 11 23 13-0049 SF Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	20.18	3.31
10 11 23 13-0050 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	12.63	1.55
10 11 23 13-0051 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	11.03	1.34
10 11 23 13-0052 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	9.33	0.87
10 11 23 13-0053 SF >24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	8.17	0.49
10 11 23 13-0054 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0047)		
10 11 23 13-0055 SF Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	21.95	3.31
10 11 23 13-0056 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	15.63	1.55
10 11 23 13-0057 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	14.07	1.34
10 11 23 13-0058 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	11.31	0.87
10 11 23 13-0059 SF 4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	9.60	0.49
10 12 Display Cases (10 10)		
10 12 00 00-0001 Counter Display Cases (10 12)		
10 12 00 00-0002 EA 30" x 12" x 36" Counter Display Cases	858.66	59.60
10 12 00 00-0003 EA 30" x 12" x 48" Counter Display Cases	931.50	59.60
10 12 00 00-0004 EA 30" x 18" x 36" Counter Display Cases	901.83	59.60
10 12 00 00-0005 EA 30" x 18" x 48" Counter Display Cases	923.32	26.49
10 12 00 00-0006 Upright Display Case (10 12)		
10 12 00 00-0007 EA 72 In x 20 In x 70 In Upright Display Case	1,846.65	59.60
10 12 00 00-0008 Full Vision Display Case (10 12)		
10 12 00 00-0009 EA 38 In x 20 In x 70 In Full Vision Display Case	1,187.97	59.60
10 13 Directories (10 10)		
10 13 16 Directory And Bulletin Boards (10 13)		
Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.		
10 13 16 00-0001 Wall Mounted Directories (10 13 16)		
Note: Includes changeable letters.		
10 13 16 00-0002 Open Face, Wall Mounted Directories (10 13 16 00-0001)		
Note: Includes vinyl or felt back panel.		
10 13 16 00-0003 Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) (10 13 16 00-0002)		
10 13 16 00-0004 SF Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	40.65	3.31
10 13 16 00-0005 SF >6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	28.64	1.55
10 13 16 00-0006 SF >12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	26.28	1.34
10 13 16 00-0007 SF >16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	20.58	0.87
10 13 16 00-0008 SF >24 SF, Wood Frame, Open Face, Wall Mounted Directory	17.15	0.49



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0009			Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) <small>(10 13 16 00-0002)</small>		
10 13 16 00-0010	SF		Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	41.16	3.31
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 16 00-0011	SF		>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	28.98	1.55
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 16 00-0012	SF		>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	26.96	1.34
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 16 00-0013	SF		>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	19.49	0.87
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 16 00-0014	SF		>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	17.65	0.49
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 16 00-0015			Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 16 00-0001)</small>		
			Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0016			Wood Frame, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 16 00-0015)</small>		
10 13 16 00-0017			Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) <small>(10 13 16 00-0016)</small>		
10 13 16 00-0018	SF		Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	116.66	3.31
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 16 00-0019	SF		>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	97.23	1.55
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 16 00-0020	SF		>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	81.31	1.34
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 16 00-0021	SF		>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	76.53	0.87
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 16 00-0022	SF		>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	70.23	0.49
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 16 00-0023			Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) <small>(10 13 16 00-0016)</small>		
10 13 16 00-0024	SF		Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	98.79	3.31
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 16 00-0025	SF		>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	84.12	1.34
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 16 00-0026	SF		>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	60.61	0.87
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 16 00-0027	SF		>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	55.57	0.49
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 16 00-0028			Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 16 00-0015)</small>		
10 13 16 00-0029			Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) <small>(10 13 16 00-0028)</small>		
10 13 16 00-0030	SF		Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	103.26	3.31
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	19.33	
10 13 16 00-0031	SF		>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	83.34	1.55
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	16.05	
10 13 16 00-0032	SF		>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	70.45	1.34
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	13.55	
10 13 16 00-0033	SF		>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	52.15	0.87
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	10.08	
10 13 16 00-0034	SF		>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	49.77	0.49
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	9.76	
10 13 16 00-0035			Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) <small>(10 13 16 00-0028)</small>		
10 13 16 00-0036	SF		Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	165.11	3.31
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	31.70	
10 13 16 00-0037	SF		>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	97.16	1.55
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	18.81	
10 13 16 00-0038	SF		>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	81.76	1.34
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	15.81	



Specialties	10
Information Specialties	10 10
Directories	10 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0039 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	63.56 15.00 12.00 12.36	0.87
10 13 16 00-0040 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	59.88 15.00 12.00 11.78	0.49
10 13 16 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 16 00-0001)</small> Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 16 00-0041)</small>		
10 13 16 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) <small>(10 13 16 00-0042)</small>		
10 13 16 00-0044 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	161.99 15.00 12.00	3.31
10 13 16 00-0045 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	110.39 15.00 12.00	1.55
10 13 16 00-0046 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	107.85 15.00 12.00	1.34
10 13 16 00-0047 Wall Mounted Bulletin Boards <small>(10 13 16)</small>		
10 13 16 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0047)</small> Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0048)</small>		
10 13 16 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) <small>(10 13 16 00-0049)</small>		
10 13 16 00-0051 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	113.62 15.00	3.31
10 13 16 00-0052 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	94.96 15.00	1.55
10 13 16 00-0053 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	79.03 15.00	1.34
10 13 16 00-0054 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	74.38 15.00	0.87
10 13 16 00-0055 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	69.22 15.00	0.49
10 13 16 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) <small>(10 13 16 00-0049)</small>		
10 13 16 00-0057 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	93.40 15.00	3.31
10 13 16 00-0058 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	79.00 15.00	1.34
10 13 16 00-0059 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	56.65 15.00	0.87
10 13 16 00-0060 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	52.54 15.00	0.49
10 13 16 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0048)</small>		
10 13 16 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 16 00-0061)</small>		
10 13 16 00-0063 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	106.04 15.00 12.00 19.89	3.31
10 13 16 00-0064 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	86.11 15.00 12.00 16.60	1.55
10 13 16 00-0065 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	73.22 15.00 12.00 14.11	1.34
10 13 16 00-0066 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	54.92 15.00 12.00 10.63	0.87



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	52.54	0.49	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	10.31		
10 13 16 00-0068		Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 16 00-0061)</small>			
10 13 16 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	167.89	3.31	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	32.26		
10 13 16 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	99.93	1.55	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	19.36		
10 13 16 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	84.53	1.34	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	16.37		
10 13 16 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	66.34	0.87	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	12.92		
10 13 16 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	62.65	0.49	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	12.34		
10 13 16 00-0074		Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0047)</small>			
		Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.			
10 13 16 00-0075		Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0074)</small>			
10 13 16 00-0076		Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0075)</small>			
10 13 16 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	159.22	3.31	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
10 13 16 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	107.62	1.55	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
10 13 16 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	105.11	1.34	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
10 14 Signage <small>(10 10)</small>					
10 14 16 Plaques <small>(10 14)</small>					
		Note: Price includes custom lettering and emblem casting sizes one to four SF each.			
10 14 16 00-0001		Metal Cased Plaque <small>(10 14 16)</small>			
10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each.....	512.04	9.71	
		<i>For >5 To 10, Deduct</i>	-55.94		
		<i>For >10 Each, Deduct</i>	-103.25		
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each.....	295.51	9.71	
		<i>For >5 To 10, Deduct</i>	-32.12		
		<i>For >10 Each, Deduct</i>	-57.78		
10 14 16 00-0004		Metal Engraved Plaque, Etched <small>(10 14 16)</small>			
10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each.....	330.45	9.71	
		<i>For >5 To 10, Deduct</i>	-35.96		
		<i>For >10 Each, Deduct</i>	-65.12		
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each.....	303.95	9.71	
		<i>For >5 To 10, Deduct</i>	-33.05		
		<i>For >10 Each, Deduct</i>	-59.55		
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each.....	189.48	9.71	
		<i>For >5 To 10, Deduct</i>	-20.45		
		<i>For >10 Each, Deduct</i>	-35.52		
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each.....	181.05	9.71	
		<i>For >5 To 10, Deduct</i>	-19.53		
		<i>For >10 Each, Deduct</i>	-33.74		
10 14 16 00-0009		Metal Built-Up Plaque <small>(10 14 16)</small>			
10 14 16 00-0010	SF	Bronze Built-up Plaque Including Emblem Size 1-4 SF Each.....	352.37	12.05	
		<i>For >5 To 10, Deduct</i>	-38.27		
		<i>For >10 Each, Deduct</i>	-68.65		
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque Including Emblem Size 1-4 SF Each.....	361.58	12.05	
		<i>For >5 To 10, Deduct</i>	-39.29		
		<i>For >10 Each, Deduct</i>	-70.59		



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0012 SF Copper And Aluminum Built-up Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	322.10 -34.95 -62.30	12.05
10 14 16 00-0013 SF Bronze Built-up Dedication Plaque Including Raised Bronze Lettering, (2'-3" x 3'-8-1/4") <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	424.54 -46.21 -83.81	24.29
10 14 16 00-0014 SF Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9") <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	347.82 -37.77 -67.70	24.29
10 14 16 00-0015 Metal Nameplate Plaques (10 14 16)		
10 14 16 00-0016 SF Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	179.36 -19.47 -34.81	6.61
10 14 16 00-0017 SF Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	236.79 -25.79 -46.87	6.61
10 14 16 00-0018 EA 1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	117.99 -12.72 -21.93	6.61
10 14 16 00-0019 EA 1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	98.22 -10.54 -17.77	6.61
10 14 16 00-0020 SF Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9") <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	336.85 -36.57 -65.39	24.29
10 14 19 Dimensional Letter Signage (10 14) Note: Mounted on masonry or concrete.		
10 14 19 00-0001 Cast Characters (10 14 19)		
10 14 19 00-0002 Satin Finish, Cast Aluminum Characters (10 14 19 00-0001)		
10 14 19 00-0003 EA 2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	26.67 -2.30 1.70 5.09 6.78 8.48	2.43
10 14 19 00-0004 EA 3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	32.68 -2.68 2.22 6.65 8.87 11.09	2.62
10 14 19 00-0005 EA 4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	36.06 -2.93 2.48 7.44 9.92 12.40	2.82
10 14 19 00-0006 EA 5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	41.53 -3.36 2.87 8.61 11.48 14.36	3.22
10 14 19 00-0007 EA 6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	46.23 -3.67 3.26 9.79 13.05 16.31	3.40
10 14 19 00-0008 EA 8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	56.00 -4.36 4.05 12.14 16.18 20.23	3.89
10 14 19 00-0009 EA 9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	63.30 -4.80 4.70 14.09 18.79 23.49	4.08
10 14 19 00-0010 EA 10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	73.59 -5.43 5.61 16.83 22.44 28.06	4.38
10 14 19 00-0011 EA 12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	90.68 -6.56 7.05 21.14 28.19 35.24	5.05



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 19 00-0012	EA	14"	High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	109.45	5.83
			<i>For Installation With Adhesive, Deduct</i>	-7.80	
			<i>For Clear Anodized, Add</i>	8.61	
			<i>For Satin Face And Enameled Return, Add</i>	25.84	
			<i>For Patina Finish, Add</i>	34.45	
			<i>For Color Anodized, Add</i>	43.07	
10 14 19 00-0013	EA	15"	High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	119.88	6.48
			<i>For Installation With Adhesive, Deduct</i>	-8.59	
			<i>For Clear Anodized, Add</i>	9.40	
			<i>For Satin Face And Enameled Return, Add</i>	28.19	
			<i>For Patina Finish, Add</i>	37.58	
			<i>For Color Anodized, Add</i>	46.98	
10 14 19 00-0014	EA	16"	High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	134.99	7.00
			<i>For Installation With Adhesive, Deduct</i>	-9.55	
			<i>For Clear Anodized, Add</i>	10.70	
			<i>For Satin Face And Enameled Return, Add</i>	32.10	
			<i>For Patina Finish, Add</i>	42.80	
			<i>For Color Anodized, Add</i>	53.51	
10 14 19 00-0015	EA	18"	High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	166.81	7.77
			<i>For Installation With Adhesive, Deduct</i>	-11.45	
			<i>For Clear Anodized, Add</i>	13.57	
			<i>For Satin Face And Enameled Return, Add</i>	40.72	
			<i>For Patina Finish, Add</i>	54.29	
			<i>For Color Anodized, Add</i>	67.86	
10 14 19 00-0016	EA	20"	High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	204.63	8.74
			<i>For Installation With Adhesive, Deduct</i>	-13.73	
			<i>For Clear Anodized, Add</i>	16.97	
			<i>For Satin Face And Enameled Return, Add</i>	50.90	
			<i>For Patina Finish, Add</i>	67.86	
			<i>For Color Anodized, Add</i>	84.83	
10 14 19 00-0017	EA	24"	High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	250.28	9.71
			<i>For Installation With Adhesive, Deduct</i>	-16.40	
			<i>For Clear Anodized, Add</i>	21.14	
			<i>For Satin Face And Enameled Return, Add</i>	63.42	
			<i>For Patina Finish, Add</i>	84.56	
			<i>For Color Anodized, Add</i>	105.71	

10 14 19 00-0018 Satin Finish, Cast Bronze Characters (10 14 19 00-0001)

10 14 19 00-0019	EA	2"	High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	36.17	2.67
			<i>For Installation With Adhesive, Deduct</i>	-2.88	
			<i>For Oxidized Finish, Add</i>	3.82	
			<i>For Polished Or Patina Finish, Add</i>	7.64	
10 14 19 00-0020	EA	3"	High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	56.55	2.92
			<i>For Installation With Adhesive, Deduct</i>	-3.99	
			<i>For Oxidized Finish, Add</i>	6.73	
			<i>For Polished Or Patina Finish, Add</i>	13.47	
10 14 19 00-0021	EA	4"	High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	62.18	3.11
			<i>For Installation With Adhesive, Deduct</i>	-4.35	
			<i>For Oxidized Finish, Add</i>	7.46	
			<i>For Polished Or Patina Finish, Add</i>	14.92	
10 14 19 00-0022	EA	5"	High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	77.08	3.49
			<i>For Installation With Adhesive, Deduct</i>	-5.25	
			<i>For Oxidized Finish, Add</i>	9.46	
			<i>For Polished Or Patina Finish, Add</i>	18.93	
10 14 19 00-0023	EA	6"	High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	86.54	3.73
			<i>For Installation With Adhesive, Deduct</i>	-5.82	
			<i>For Oxidized Finish, Add</i>	10.74	
			<i>For Polished Or Patina Finish, Add</i>	21.47	
10 14 19 00-0024	EA	8"	High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	119.01	4.28
			<i>For Installation With Adhesive, Deduct</i>	-7.66	
			<i>For Oxidized Finish, Add</i>	15.29	
			<i>For Polished Or Patina Finish, Add</i>	30.57	
10 14 19 00-0025	EA	9"	High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	137.99	4.47
			<i>For Installation With Adhesive, Deduct</i>	-8.69	
			<i>For Oxidized Finish, Add</i>	18.02	
			<i>For Polished Or Patina Finish, Add</i>	36.03	
10 14 19 00-0026	EA	10"	High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	155.32	4.86
			<i>For Installation With Adhesive, Deduct</i>	-9.71	
			<i>For Oxidized Finish, Add</i>	20.38	
			<i>For Polished Or Patina Finish, Add</i>	40.77	
10 14 19 00-0027	EA	12"	High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	185.12	5.63
			<i>For Installation With Adhesive, Deduct</i>	-11.51	
			<i>For Oxidized Finish, Add</i>	24.39	
			<i>For Polished Or Patina Finish, Add</i>	48.77	
10 14 19 00-0028	EA	14"	High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	218.56	6.41
			<i>For Installation With Adhesive, Deduct</i>	-13.49	
			<i>For Oxidized Finish, Add</i>	28.94	
			<i>For Polished Or Patina Finish, Add</i>	57.87	
10 14 19 00-0029	EA	15"	High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	257.97	7.77
			<i>For Installation With Adhesive, Deduct</i>	-16.01	
			<i>For Oxidized Finish, Add</i>	34.03	
			<i>For Polished Or Patina Finish, Add</i>	68.06	
10 14 19 00-0030	EA	16"	High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	266.37	8.36
			<i>For Installation With Adhesive, Deduct</i>	-16.66	
			<i>For Oxidized Finish, Add</i>	34.94	
			<i>For Polished Or Patina Finish, Add</i>	69.89	



	Specialties	10
	Information Specialties	10 10
	Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0031	EA		18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	389.50	9.71
			<i>For Installation With Adhesive, Deduct</i>	-23.36	
			<i>For Oxidized Finish, Add</i>	52.59	
			<i>For Polished Or Patina Finish, Add</i>	105.19	
10 14 19 00-0032	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	473.22	10.93
			<i>For Installation With Adhesive, Deduct</i>	-28.03	
			<i>For Oxidized Finish, Add</i>	64.43	
			<i>For Polished Or Patina Finish, Add</i>	128.85	
10 14 19 00-0033	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	608.62	12.63
			<i>For Installation With Adhesive, Deduct</i>	-35.48	
			<i>For Oxidized Finish, Add</i>	83.72	
			<i>For Polished Or Patina Finish, Add</i>	167.43	
10 14 19 00-0034			Molded Characters <small>(10 14 19)</small>		
10 14 19 00-0035			Molded Plastic Characters <small>(10 14 19 00-0034)</small>		
10 14 19 00-0036	EA		4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	19.46	1.94
			<i>For Installation With Adhesive, Deduct</i>	-1.75	
10 14 19 00-0037	EA		5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	20.95	2.14
			<i>For Installation With Adhesive, Deduct</i>	-1.90	
10 14 19 00-0038	EA		6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	23.25	2.33
			<i>For Installation With Adhesive, Deduct</i>	-2.10	
10 14 19 00-0039	EA		8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	31.50	2.52
			<i>For Installation With Adhesive, Deduct</i>	-2.59	
10 14 19 00-0040	EA		9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	34.07	2.73
			<i>For Installation With Adhesive, Deduct</i>	-2.79	
10 14 19 00-0041	EA		10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	37.02	2.92
			<i>For Installation With Adhesive, Deduct</i>	-3.02	
10 14 19 00-0042	EA		12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	43.14	3.40
			<i>For Installation With Adhesive, Deduct</i>	-3.52	
10 14 19 00-0043	EA		15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	57.60	4.28
			<i>For Installation With Adhesive, Deduct</i>	-4.59	
10 14 19 00-0044	EA		18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	74.81	5.05
			<i>For Installation With Adhesive, Deduct</i>	-5.76	
10 14 19 00-0045	EA		24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	115.47	6.22
			<i>For Installation With Adhesive, Deduct</i>	-8.26	
10 14 19 00-0046	EA		30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	178.75	7.28
			<i>For Installation With Adhesive, Deduct</i>	-11.85	
10 14 19 00-0047	EA		36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	239.18	8.36
			<i>For Installation With Adhesive, Deduct</i>	-15.30	
10 14 19 00-0048	EA		48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	464.02	11.17
			<i>For Installation With Adhesive, Deduct</i>	-27.67	
10 14 19 00-0049			Cutout Characters <small>(10 14 19)</small>		
10 14 19 00-0050			Satin Finish, Aluminum Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0051			1/4" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0052	EA		2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	24.06	2.43
			<i>For Installation With Adhesive, Deduct</i>	-2.17	
			<i>For Clear Anodized, Add</i>	1.44	
			<i>For Satin Face And Enameled Return, Add</i>	5.02	
			<i>For Color Anodized, Add</i>	7.18	
			<i>For Polished Or Patina Finish, Add</i>	7.18	
			<i>For Polished Anodized Finish, Add</i>	10.76	
10 14 19 00-0053	EA		4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	36.06	2.82
			<i>For Installation With Adhesive, Deduct</i>	-2.93	
			<i>For Clear Anodized, Add</i>	2.48	
			<i>For Satin Face And Enameled Return, Add</i>	8.68	
			<i>For Color Anodized, Add</i>	12.40	
			<i>For Polished Or Patina Finish, Add</i>	12.40	
			<i>For Polished Anodized Finish, Add</i>	18.59	
10 14 19 00-0054	EA		6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	50.15	3.40
			<i>For Installation With Adhesive, Deduct</i>	-3.87	
			<i>For Clear Anodized, Add</i>	3.65	
			<i>For Satin Face And Enameled Return, Add</i>	12.79	
			<i>For Color Anodized, Add</i>	18.27	
			<i>For Polished Or Patina Finish, Add</i>	18.27	
			<i>For Polished Anodized Finish, Add</i>	27.41	
10 14 19 00-0055	EA		8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	62.53	3.89
			<i>For Installation With Adhesive, Deduct</i>	-4.68	
			<i>For Clear Anodized, Add</i>	4.70	
			<i>For Satin Face And Enameled Return, Add</i>	16.44	
			<i>For Color Anodized, Add</i>	23.49	
			<i>For Polished Or Patina Finish, Add</i>	23.49	
			<i>For Polished Anodized Finish, Add</i>	35.24	
10 14 19 00-0056	EA		10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	72.29	4.38
			<i>For Installation With Adhesive, Deduct</i>	-5.36	
			<i>For Clear Anodized, Add</i>	5.48	
			<i>For Satin Face And Enameled Return, Add</i>	19.18	
			<i>For Color Anodized, Add</i>	27.41	
			<i>For Polished Or Patina Finish, Add</i>	27.41	
			<i>For Polished Anodized Finish, Add</i>	41.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0057	EA		12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	82.85	5.05
			<i>For Installation With Adhesive, Deduct</i>	-6.16	
			<i>For Clear Anodized, Add</i>	6.26	
			<i>For Satin Face And Enameled Return, Add</i>	21.92	
			<i>For Color Anodized, Add</i>	31.32	
			<i>For Polished Or Patina Finish, Add</i>	31.32	
			<i>For Polished Anodized Finish, Add</i>	46.98	
10 14 19 00-0058	EA		14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	97.70	5.83
			<i>For Installation With Adhesive, Deduct</i>	-7.22	
			<i>For Clear Anodized, Add</i>	7.44	
			<i>For Satin Face And Enameled Return, Add</i>	26.03	
			<i>For Color Anodized, Add</i>	37.19	
			<i>For Polished Or Patina Finish, Add</i>	37.19	
			<i>For Polished Anodized Finish, Add</i>	55.79	
10 14 19 00-0059	EA		16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	115.41	7.00
			<i>For Installation With Adhesive, Deduct</i>	-8.57	
			<i>For Clear Anodized, Add</i>	8.74	
			<i>For Satin Face And Enameled Return, Add</i>	30.60	
			<i>For Color Anodized, Add</i>	43.72	
			<i>For Polished Or Patina Finish, Add</i>	43.72	
			<i>For Polished Anodized Finish, Add</i>	65.57	
10 14 19 00-0060	EA		18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	130.27	7.77
			<i>For Installation With Adhesive, Deduct</i>	-9.62	
			<i>For Clear Anodized, Add</i>	9.92	
			<i>For Satin Face And Enameled Return, Add</i>	34.71	
			<i>For Color Anodized, Add</i>	49.59	
			<i>For Polished Or Patina Finish, Add</i>	49.59	
			<i>For Polished Anodized Finish, Add</i>	74.39	
10 14 19 00-0061	EA		20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	158.95	8.74
			<i>For Installation With Adhesive, Deduct</i>	-11.45	
			<i>For Clear Anodized, Add</i>	12.40	
			<i>For Satin Face And Enameled Return, Add</i>	43.39	
			<i>For Color Anodized, Add</i>	61.99	
			<i>For Polished Or Patina Finish, Add</i>	61.99	
			<i>For Polished Anodized Finish, Add</i>	92.98	
10 14 19 00-0062	EA		22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	185.70	9.23
			<i>For Installation With Adhesive, Deduct</i>	-12.98	
			<i>For Clear Anodized, Add</i>	14.88	
			<i>For Satin Face And Enameled Return, Add</i>	52.07	
			<i>For Color Anodized, Add</i>	74.39	
			<i>For Polished Or Patina Finish, Add</i>	74.39	
			<i>For Polished Anodized Finish, Add</i>	111.58	
10 14 19 00-0063	EA		24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	237.23	9.71
			<i>For Installation With Adhesive, Deduct</i>	-15.75	
			<i>For Clear Anodized, Add</i>	19.84	
			<i>For Satin Face And Enameled Return, Add</i>	69.43	
			<i>For Color Anodized, Add</i>	99.18	
			<i>For Polished Or Patina Finish, Add</i>	99.18	
			<i>For Polished Anodized Finish, Add</i>	148.77	
10 14 19 00-0064	EA		30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	348.96	11.66
			<i>For Installation With Adhesive, Deduct</i>	-22.11	
			<i>For Clear Anodized, Add</i>	30.23	
			<i>For Satin Face And Enameled Return, Add</i>	105.81	
			<i>For Color Anodized, Add</i>	151.16	
			<i>For Polished Or Patina Finish, Add</i>	151.16	
			<i>For Polished Anodized Finish, Add</i>	226.74	
10 14 19 00-0065			3/8" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0066	EA		2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	33.25	2.43
			<i>For Installation With Adhesive, Deduct</i>	-2.63	
			<i>For Clear Anodized, Add</i>	2.35	
			<i>For Satin Face And Enameled Return, Add</i>	8.24	
			<i>For Color Anodized, Add</i>	11.77	
			<i>For Polished Or Patina Finish, Add</i>	11.77	
			<i>For Polished Anodized Finish, Add</i>	17.66	
10 14 19 00-0067	EA		4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	50.45	2.82
			<i>For Installation With Adhesive, Deduct</i>	-3.65	
			<i>For Clear Anodized, Add</i>	3.92	
			<i>For Satin Face And Enameled Return, Add</i>	13.71	
			<i>For Color Anodized, Add</i>	19.59	
			<i>For Polished Or Patina Finish, Add</i>	19.59	
			<i>For Polished Anodized Finish, Add</i>	29.39	
10 14 19 00-0068	EA		6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	64.40	3.40
			<i>For Installation With Adhesive, Deduct</i>	-4.58	
			<i>For Clear Anodized, Add</i>	5.08	
			<i>For Satin Face And Enameled Return, Add</i>	17.78	
			<i>For Color Anodized, Add</i>	25.40	
			<i>For Polished Or Patina Finish, Add</i>	25.40	
			<i>For Polished Anodized Finish, Add</i>	38.09	
10 14 19 00-0069	EA		8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	82.26	3.89
			<i>For Installation With Adhesive, Deduct</i>	-5.67	
			<i>For Clear Anodized, Add</i>	6.67	
			<i>For Satin Face And Enameled Return, Add</i>	23.35	
			<i>For Color Anodized, Add</i>	33.36	
			<i>For Polished Or Patina Finish, Add</i>	33.36	
			<i>For Polished Anodized Finish, Add</i>	50.03	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0070	EA		10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 95.86		4.38
			<i>For Installation With Adhesive, Deduct</i>	-6.54	
			<i>For Clear Anodized, Add</i>	7.84	
			<i>For Satin Face And Enameled Return, Add</i>	27.43	
			<i>For Color Anodized, Add</i>	39.19	
			<i>For Polished Or Patina Finish, Add</i>	39.19	
			<i>For Polished Anodized Finish, Add</i>	58.79	
10 14 19 00-0071	EA		12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 112.92		5.05
			<i>For Installation With Adhesive, Deduct</i>	-7.67	
			<i>For Clear Anodized, Add</i>	9.27	
			<i>For Satin Face And Enameled Return, Add</i>	32.45	
			<i>For Color Anodized, Add</i>	46.36	
			<i>For Polished Or Patina Finish, Add</i>	46.36	
			<i>For Polished Anodized Finish, Add</i>	69.53	
10 14 19 00-0072	EA		14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 132.66		5.83
			<i>For Installation With Adhesive, Deduct</i>	-8.97	
			<i>For Clear Anodized, Add</i>	10.93	
			<i>For Satin Face And Enameled Return, Add</i>	38.27	
			<i>For Color Anodized, Add</i>	54.67	
			<i>For Polished Or Patina Finish, Add</i>	54.67	
			<i>For Polished Anodized Finish, Add</i>	82.01	
10 14 19 00-0073	EA		16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 165.25		7.00
			<i>For Installation With Adhesive, Deduct</i>	-11.06	
			<i>For Clear Anodized, Add</i>	13.73	
			<i>For Satin Face And Enameled Return, Add</i>	48.04	
			<i>For Color Anodized, Add</i>	68.64	
			<i>For Polished Or Patina Finish, Add</i>	68.64	
			<i>For Polished Anodized Finish, Add</i>	102.95	
10 14 19 00-0074	EA		18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 192.75		7.77
			<i>For Installation With Adhesive, Deduct</i>	-12.75	
			<i>For Clear Anodized, Add</i>	16.17	
			<i>For Satin Face And Enameled Return, Add</i>	56.58	
			<i>For Color Anodized, Add</i>	80.83	
			<i>For Polished Or Patina Finish, Add</i>	80.83	
			<i>For Polished Anodized Finish, Add</i>	121.25	
10 14 19 00-0075	EA		20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 224.66		8.74
			<i>For Installation With Adhesive, Deduct</i>	-14.73	
			<i>For Clear Anodized, Add</i>	18.97	
			<i>For Satin Face And Enameled Return, Add</i>	66.39	
			<i>For Color Anodized, Add</i>	94.84	
			<i>For Polished Or Patina Finish, Add</i>	94.84	
			<i>For Polished Anodized Finish, Add</i>	142.26	
10 14 19 00-0076	EA		22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 254.13		9.23
			<i>For Installation With Adhesive, Deduct</i>	-16.40	
			<i>For Clear Anodized, Add</i>	21.72	
			<i>For Satin Face And Enameled Return, Add</i>	76.02	
			<i>For Color Anodized, Add</i>	108.60	
			<i>For Polished Or Patina Finish, Add</i>	108.60	
			<i>For Polished Anodized Finish, Add</i>	162.90	
10 14 19 00-0077	EA		24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 284.83		9.71
			<i>For Installation With Adhesive, Deduct</i>	-18.13	
			<i>For Clear Anodized, Add</i>	24.60	
			<i>For Satin Face And Enameled Return, Add</i>	86.09	
			<i>For Color Anodized, Add</i>	122.98	
			<i>For Polished Or Patina Finish, Add</i>	122.98	
			<i>For Polished Anodized Finish, Add</i>	184.47	
10 14 19 00-0078	EA		30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 398.99		11.66
			<i>For Installation With Adhesive, Deduct</i>	-24.61	
			<i>For Clear Anodized, Add</i>	35.24	
			<i>For Satin Face And Enameled Return, Add</i>	123.32	
			<i>For Color Anodized, Add</i>	176.18	
			<i>For Polished Or Patina Finish, Add</i>	176.18	
			<i>For Polished Anodized Finish, Add</i>	264.26	
10 14 19 00-0079			1/2" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050) 43.87		2.43
10 14 19 00-0080	EA		2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 43.87		2.43
			<i>For Installation With Adhesive, Deduct</i>	-3.16	
			<i>For Clear Anodized, Add</i>	3.42	
			<i>For Satin Face And Enameled Return, Add</i>	11.96	
			<i>For Color Anodized, Add</i>	17.08	
			<i>For Polished Or Patina Finish, Add</i>	17.08	
			<i>For Polished Anodized Finish, Add</i>	25.62	
10 14 19 00-0081	EA		4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 58.13		2.82
			<i>For Installation With Adhesive, Deduct</i>	-4.03	
			<i>For Clear Anodized, Add</i>	4.69	
			<i>For Satin Face And Enameled Return, Add</i>	16.40	
			<i>For Color Anodized, Add</i>	23.43	
			<i>For Polished Or Patina Finish, Add</i>	23.43	
			<i>For Polished Anodized Finish, Add</i>	35.15	
10 14 19 00-0082	EA		6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs 73.53		3.40
			<i>For Installation With Adhesive, Deduct</i>	-5.04	
			<i>For Clear Anodized, Add</i>	5.99	
			<i>For Satin Face And Enameled Return, Add</i>	20.97	
			<i>For Color Anodized, Add</i>	29.96	
			<i>For Polished Or Patina Finish, Add</i>	29.96	
			<i>For Polished Anodized Finish, Add</i>	44.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0083	EA		8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	87.43	3.89
			<i>For Installation With Adhesive, Deduct</i>	-5.93	
			<i>For Clear Anodized, Add</i>	7.19	
			<i>For Satin Face And Enameled Return, Add</i>	25.16	
			<i>For Color Anodized, Add</i>	35.94	
			<i>For Polished Or Patina Finish, Add</i>	35.94	
			<i>For Polished Anodized Finish, Add</i>	53.91	
10 14 19 00-0084	EA		10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	102.43	4.38
			<i>For Installation With Adhesive, Deduct</i>	-6.87	
			<i>For Clear Anodized, Add</i>	8.50	
			<i>For Satin Face And Enameled Return, Add</i>	29.73	
			<i>For Color Anodized, Add</i>	42.48	
			<i>For Polished Or Patina Finish, Add</i>	42.48	
			<i>For Polished Anodized Finish, Add</i>	63.71	
10 14 19 00-0085	EA		12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	127.32	5.05
			<i>For Installation With Adhesive, Deduct</i>	-8.39	
			<i>For Clear Anodized, Add</i>	10.71	
			<i>For Satin Face And Enameled Return, Add</i>	37.49	
			<i>For Color Anodized, Add</i>	53.56	
			<i>For Polished Or Patina Finish, Add</i>	53.56	
			<i>For Polished Anodized Finish, Add</i>	80.33	
10 14 19 00-0086	EA		14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	158.70	5.83
			<i>For Installation With Adhesive, Deduct</i>	-10.27	
			<i>For Clear Anodized, Add</i>	13.54	
			<i>For Satin Face And Enameled Return, Add</i>	47.38	
			<i>For Color Anodized, Add</i>	67.69	
			<i>For Polished Or Patina Finish, Add</i>	67.69	
			<i>For Polished Anodized Finish, Add</i>	101.54	
10 14 19 00-0087	EA		16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	192.36	7.00
			<i>For Installation With Adhesive, Deduct</i>	-12.42	
			<i>For Clear Anodized, Add</i>	16.44	
			<i>For Satin Face And Enameled Return, Add</i>	57.53	
			<i>For Color Anodized, Add</i>	82.19	
			<i>For Polished Or Patina Finish, Add</i>	82.19	
			<i>For Polished Anodized Finish, Add</i>	123.29	
10 14 19 00-0088	EA		18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	236.39	7.77
			<i>For Installation With Adhesive, Deduct</i>	-14.93	
			<i>For Clear Anodized, Add</i>	20.53	
			<i>For Satin Face And Enameled Return, Add</i>	71.86	
			<i>For Color Anodized, Add</i>	102.65	
			<i>For Polished Or Patina Finish, Add</i>	102.65	
			<i>For Polished Anodized Finish, Add</i>	153.98	
10 14 19 00-0089	EA		20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	280.45	8.74
			<i>For Installation With Adhesive, Deduct</i>	-17.52	
			<i>For Clear Anodized, Add</i>	24.55	
			<i>For Satin Face And Enameled Return, Add</i>	85.91	
			<i>For Color Anodized, Add</i>	122.74	
			<i>For Polished Or Patina Finish, Add</i>	122.74	
			<i>For Polished Anodized Finish, Add</i>	184.10	
10 14 19 00-0090	EA		22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	325.54	9.23
			<i>For Installation With Adhesive, Deduct</i>	-19.97	
			<i>For Clear Anodized, Add</i>	28.86	
			<i>For Satin Face And Enameled Return, Add</i>	101.01	
			<i>For Color Anodized, Add</i>	144.31	
			<i>For Polished Or Patina Finish, Add</i>	144.31	
			<i>For Polished Anodized Finish, Add</i>	216.46	
10 14 19 00-0091	EA		24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	368.14	9.71
			<i>For Installation With Adhesive, Deduct</i>	-22.29	
			<i>For Clear Anodized, Add</i>	32.93	
			<i>For Satin Face And Enameled Return, Add</i>	115.24	
			<i>For Color Anodized, Add</i>	164.64	
			<i>For Polished Or Patina Finish, Add</i>	164.64	
			<i>For Polished Anodized Finish, Add</i>	246.95	
10 14 19 00-0092	EA		30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	518.78	11.66
			<i>For Installation With Adhesive, Deduct</i>	-30.60	
			<i>For Clear Anodized, Add</i>	47.21	
			<i>For Satin Face And Enameled Return, Add</i>	165.25	
			<i>For Color Anodized, Add</i>	236.07	
			<i>For Polished Or Patina Finish, Add</i>	236.07	
			<i>For Polished Anodized Finish, Add</i>	354.11	
10 14 19 00-0093			3/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0090)		
10 14 19 00-0094	EA		2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	46.31	2.43
			<i>For Installation With Adhesive, Deduct</i>	-3.29	
			<i>For Clear Anodized, Add</i>	3.66	
			<i>For Satin Face And Enameled Return, Add</i>	12.81	
			<i>For Color Anodized, Add</i>	18.30	
			<i>For Polished Or Patina Finish, Add</i>	18.30	
			<i>For Polished Anodized Finish, Add</i>	27.45	
10 14 19 00-0095	EA		4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	60.86	2.82
			<i>For Installation With Adhesive, Deduct</i>	-4.17	
			<i>For Clear Anodized, Add</i>	4.96	
			<i>For Satin Face And Enameled Return, Add</i>	17.36	
			<i>For Color Anodized, Add</i>	24.80	
			<i>For Polished Or Patina Finish, Add</i>	24.80	
			<i>For Polished Anodized Finish, Add</i>	37.19	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0096	EA		6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	81.57 -5.44 6.80 23.79 33.98 33.98 50.97	3.40
10 14 19 00-0097	EA		8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	110.92 -7.10 9.54 33.38 47.69 47.69 71.53	3.89
10 14 19 00-0098	EA		10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	141.35 -8.82 12.39 43.35 61.94 61.94 92.90	4.38
10 14 19 00-0099	EA		12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	179.31 -10.99 15.91 55.69 79.55 79.55 119.33	5.05
10 14 19 00-0100	EA		14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	225.64 -13.61 20.23 70.81 101.16 101.16 151.74	5.83
10 14 19 00-0101	EA		16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	279.79 -16.79 25.18 88.13 125.91 125.91 188.86	7.00
10 14 19 00-0102	EA		18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	345.49 -20.38 31.44 110.04 157.20 157.20 235.80	7.77
10 14 19 00-0103	EA		20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	413.10 -24.15 37.81 132.34 189.06 189.06 283.59	8.74
10 14 19 00-0104	EA		22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	483.23 -27.85 44.63 156.21 223.15 223.15 334.73	9.23
10 14 19 00-0105	EA		24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	556.58 -31.72 51.77 181.20 258.86 258.86 388.28	9.71
10 14 19 00-0106	EA		30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	772.47 -43.29 72.58 254.04 362.92 362.92 544.37	11.66

10 14 19 00-0107 1" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)

10 14 19 00-0108	EA		2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	52.77 -3.61 4.31 15.07 21.53 21.53 32.30	2.43
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10 Specialties
10 10 Information Specialties
10 14 Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0109	EA		4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	66.07	2.82
			<i>For Installation With Adhesive, Deduct</i>	-4.43	
			<i>For Clear Anodized, Add</i>	5.48	
			<i>For Satin Face And Enameled Return, Add</i>	19.18	
			<i>For Color Anodized, Add</i>	27.40	
			<i>For Polished Or Patina Finish, Add</i>	27.40	
			<i>For Polished Anodized Finish, Add</i>	41.10	
10 14 19 00-0110	EA		6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	88.15	3.40
			<i>For Installation With Adhesive, Deduct</i>	-5.77	
			<i>For Clear Anodized, Add</i>	7.45	
			<i>For Satin Face And Enameled Return, Add</i>	26.09	
			<i>For Color Anodized, Add</i>	37.27	
			<i>For Polished Or Patina Finish, Add</i>	37.27	
			<i>For Polished Anodized Finish, Add</i>	55.91	
10 14 19 00-0111	EA		8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	124.07	3.89
			<i>For Installation With Adhesive, Deduct</i>	-7.76	
			<i>For Clear Anodized, Add</i>	10.85	
			<i>For Satin Face And Enameled Return, Add</i>	37.98	
			<i>For Color Anodized, Add</i>	54.26	
			<i>For Polished Or Patina Finish, Add</i>	54.26	
			<i>For Polished Anodized Finish, Add</i>	81.39	
10 14 19 00-0112	EA		10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	172.59	4.38
			<i>For Installation With Adhesive, Deduct</i>	-10.38	
			<i>For Clear Anodized, Add</i>	15.51	
			<i>For Satin Face And Enameled Return, Add</i>	54.29	
			<i>For Color Anodized, Add</i>	77.56	
			<i>For Polished Or Patina Finish, Add</i>	77.56	
			<i>For Polished Anodized Finish, Add</i>	116.33	
10 14 19 00-0113	EA		12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	228.80	5.05
			<i>For Installation With Adhesive, Deduct</i>	-13.46	
			<i>For Clear Anodized, Add</i>	20.86	
			<i>For Satin Face And Enameled Return, Add</i>	73.01	
			<i>For Color Anodized, Add</i>	104.30	
			<i>For Polished Or Patina Finish, Add</i>	104.30	
			<i>For Polished Anodized Finish, Add</i>	156.44	
10 14 19 00-0114	EA		14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	291.85	5.83
			<i>For Installation With Adhesive, Deduct</i>	-16.92	
			<i>For Clear Anodized, Add</i>	26.85	
			<i>For Satin Face And Enameled Return, Add</i>	93.99	
			<i>For Color Anodized, Add</i>	134.27	
			<i>For Polished Or Patina Finish, Add</i>	134.27	
			<i>For Polished Anodized Finish, Add</i>	201.40	
10 14 19 00-0115	EA		16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	363.73	7.00
			<i>For Installation With Adhesive, Deduct</i>	-20.98	
			<i>For Clear Anodized, Add</i>	33.58	
			<i>For Satin Face And Enameled Return, Add</i>	117.51	
			<i>For Color Anodized, Add</i>	167.88	
			<i>For Polished Or Patina Finish, Add</i>	167.88	
			<i>For Polished Anodized Finish, Add</i>	251.81	
10 14 19 00-0116	EA		18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	443.67	7.77
			<i>For Installation With Adhesive, Deduct</i>	-25.29	
			<i>For Clear Anodized, Add</i>	41.26	
			<i>For Satin Face And Enameled Return, Add</i>	144.40	
			<i>For Color Anodized, Add</i>	206.29	
			<i>For Polished Or Patina Finish, Add</i>	206.29	
			<i>For Polished Anodized Finish, Add</i>	309.44	
10 14 19 00-0117	EA		20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	549.47	8.74
			<i>For Installation With Adhesive, Deduct</i>	-30.97	
			<i>For Clear Anodized, Add</i>	51.45	
			<i>For Satin Face And Enameled Return, Add</i>	180.07	
			<i>For Color Anodized, Add</i>	257.25	
			<i>For Polished Or Patina Finish, Add</i>	257.25	
			<i>For Polished Anodized Finish, Add</i>	385.87	
10 14 19 00-0118	EA		22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	660.27	9.23
			<i>For Installation With Adhesive, Deduct</i>	-36.71	
			<i>For Clear Anodized, Add</i>	62.33	
			<i>For Satin Face And Enameled Return, Add</i>	218.17	
			<i>For Color Anodized, Add</i>	311.67	
			<i>For Polished Or Patina Finish, Add</i>	311.67	
			<i>For Polished Anodized Finish, Add</i>	467.51	
10 14 19 00-0119	EA		24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	784.69	9.71
			<i>For Installation With Adhesive, Deduct</i>	-43.12	
			<i>For Clear Anodized, Add</i>	74.58	
			<i>For Satin Face And Enameled Return, Add</i>	261.04	
			<i>For Color Anodized, Add</i>	372.91	
			<i>For Polished Or Patina Finish, Add</i>	372.91	
			<i>For Polished Anodized Finish, Add</i>	559.37	
10 14 19 00-0120	EA		30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,117.77	11.66
			<i>For Installation With Adhesive, Deduct</i>	-60.55	
			<i>For Clear Anodized, Add</i>	107.11	
			<i>For Satin Face And Enameled Return, Add</i>	374.90	
			<i>For Color Anodized, Add</i>	535.57	
			<i>For Polished Or Patina Finish, Add</i>	535.57	
			<i>For Polished Anodized Finish, Add</i>	803.35	

10 14 19 00-0121 Satin Finish, Brass Characters (10 14 19 00-0049)
 10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0123	EA		2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 40.43		2.43
			<i>For Installation With Adhesive, Deduct</i>	-2.99	
			<i>For Oxidized Finish, Add</i>	4.61	
			<i>For Polished Finish, Add</i>	9.22	
10 14 19 00-0124	EA		4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 54.01		2.82
			<i>For Installation With Adhesive, Deduct</i>	-3.83	
			<i>For Oxidized Finish, Add</i>	6.41	
			<i>For Polished Finish, Add</i>	12.82	
10 14 19 00-0125	EA		6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 77.24		3.40
			<i>For Installation With Adhesive, Deduct</i>	-5.22	
			<i>For Oxidized Finish, Add</i>	9.54	
			<i>For Polished Finish, Add</i>	19.09	
10 14 19 00-0126	EA		8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 104.41		3.89
			<i>For Installation With Adhesive, Deduct</i>	-6.78	
			<i>For Oxidized Finish, Add</i>	13.33	
			<i>For Polished Finish, Add</i>	26.66	
10 14 19 00-0127	EA		10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 137.06		4.38
			<i>For Installation With Adhesive, Deduct</i>	-8.60	
			<i>For Oxidized Finish, Add</i>	17.94	
			<i>For Polished Finish, Add</i>	35.87	
10 14 19 00-0128	EA		12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 176.00		5.05
			<i>For Installation With Adhesive, Deduct</i>	-10.82	
			<i>For Oxidized Finish, Add</i>	23.37	
			<i>For Polished Finish, Add</i>	46.74	
10 14 19 00-0129	EA		14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 222.99		5.83
			<i>For Installation With Adhesive, Deduct</i>	-13.48	
			<i>For Oxidized Finish, Add</i>	29.95	
			<i>For Polished Finish, Add</i>	59.90	
10 14 19 00-0130	EA		16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 272.63		7.00
			<i>For Installation With Adhesive, Deduct</i>	-16.43	
			<i>For Oxidized Finish, Add</i>	36.70	
			<i>For Polished Finish, Add</i>	73.40	
10 14 19 00-0131	EA		18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 335.14		7.77
			<i>For Installation With Adhesive, Deduct</i>	-19.87	
			<i>For Oxidized Finish, Add</i>	45.61	
			<i>For Polished Finish, Add</i>	91.22	
10 14 19 00-0132	EA		20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 401.41		8.74
			<i>For Installation With Adhesive, Deduct</i>	-23.57	
			<i>For Oxidized Finish, Add</i>	54.96	
			<i>For Polished Finish, Add</i>	109.93	
10 14 19 00-0133	EA		22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 502.10		9.23
			<i>For Installation With Adhesive, Deduct</i>	-28.80	
			<i>For Oxidized Finish, Add</i>	69.78	
			<i>For Polished Finish, Add</i>	139.55	
10 14 19 00-0134	EA		24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 552.94		9.71
			<i>For Installation With Adhesive, Deduct</i>	-31.53	
			<i>For Oxidized Finish, Add</i>	77.11	
			<i>For Polished Finish, Add</i>	154.22	
10 14 19 00-0135	EA		30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 848.20		11.66
			<i>For Installation With Adhesive, Deduct</i>	-47.07	
			<i>For Oxidized Finish, Add</i>	120.23	
			<i>For Polished Finish, Add</i>	240.47	
10 14 19 00-0136			3/8" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0137	EA		2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 51.18		2.43
			<i>For Installation With Adhesive, Deduct</i>	-3.53	
			<i>For Oxidized Finish, Add</i>	6.22	
			<i>For Polished Finish, Add</i>	12.44	
10 14 19 00-0138	EA		4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 68.98		2.82
			<i>For Installation With Adhesive, Deduct</i>	-4.58	
			<i>For Oxidized Finish, Add</i>	8.66	
			<i>For Polished Finish, Add</i>	17.31	
10 14 19 00-0139	EA		6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 102.69		3.40
			<i>For Installation With Adhesive, Deduct</i>	-6.50	
			<i>For Oxidized Finish, Add</i>	13.36	
			<i>For Polished Finish, Add</i>	26.72	
10 14 19 00-0140	EA		8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 139.96		3.89
			<i>For Installation With Adhesive, Deduct</i>	-8.55	
			<i>For Oxidized Finish, Add</i>	18.66	
			<i>For Polished Finish, Add</i>	37.32	
10 14 19 00-0141	EA		10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 190.88		4.38
			<i>For Installation With Adhesive, Deduct</i>	-11.29	
			<i>For Oxidized Finish, Add</i>	26.01	
			<i>For Polished Finish, Add</i>	52.02	
10 14 19 00-0142	EA		12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 246.10		5.05
			<i>For Installation With Adhesive, Deduct</i>	-14.33	
			<i>For Oxidized Finish, Add</i>	33.88	
			<i>For Polished Finish, Add</i>	67.77	
10 14 19 00-0143	EA		14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 312.84		5.83
			<i>For Installation With Adhesive, Deduct</i>	-17.97	
			<i>For Oxidized Finish, Add</i>	43.43	
			<i>For Polished Finish, Add</i>	86.86	
10 14 19 00-0144	EA		16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs 370.49		7.00
			<i>For Installation With Adhesive, Deduct</i>	-21.32	
			<i>For Oxidized Finish, Add</i>	51.38	
			<i>For Polished Finish, Add</i>	102.75	

10 Specialties
10 10 Information Specialties
10 14 Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0145	EA		18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	471.97	7.77
			<i>For Installation With Adhesive, Deduct</i>	-26.71	
			<i>For Oxidized Finish, Add</i>	66.13	
			<i>For Polished Finish, Add</i>	132.26	
10 14 19 00-0146	EA		20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	547.98	8.74
			<i>For Installation With Adhesive, Deduct</i>	-30.90	
			<i>For Oxidized Finish, Add</i>	76.95	
			<i>For Polished Finish, Add</i>	153.90	
10 14 19 00-0147	EA		22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	683.52	9.23
			<i>For Installation With Adhesive, Deduct</i>	-37.87	
			<i>For Oxidized Finish, Add</i>	96.99	
			<i>For Polished Finish, Add</i>	193.98	
10 14 19 00-0148	EA		24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	784.27	9.71
			<i>For Installation With Adhesive, Deduct</i>	-43.10	
			<i>For Oxidized Finish, Add</i>	111.81	
			<i>For Polished Finish, Add</i>	223.62	
10 14 19 00-0149	EA		30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,096.68	11.66
			<i>For Installation With Adhesive, Deduct</i>	-59.50	
			<i>For Oxidized Finish, Add</i>	157.51	
			<i>For Polished Finish, Add</i>	315.01	
10 14 19 00-0150			1/2" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0151	EA		2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	68.08	2.43
			<i>For Installation With Adhesive, Deduct</i>	-4.38	
			<i>For Oxidized Finish, Add</i>	8.76	
			<i>For Polished Finish, Add</i>	17.51	
10 14 19 00-0152	EA		4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	90.35	2.82
			<i>For Installation With Adhesive, Deduct</i>	-5.64	
			<i>For Oxidized Finish, Add</i>	11.86	
			<i>For Polished Finish, Add</i>	23.72	
10 14 19 00-0153	EA		6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	134.51	3.40
			<i>For Installation With Adhesive, Deduct</i>	-8.09	
			<i>For Oxidized Finish, Add</i>	18.14	
			<i>For Polished Finish, Add</i>	36.27	
10 14 19 00-0154	EA		8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	188.84	3.89
			<i>For Installation With Adhesive, Deduct</i>	-11.00	
			<i>For Oxidized Finish, Add</i>	25.99	
			<i>For Polished Finish, Add</i>	51.99	
10 14 19 00-0155	EA		10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	268.61	4.38
			<i>For Installation With Adhesive, Deduct</i>	-15.18	
			<i>For Oxidized Finish, Add</i>	37.67	
			<i>For Polished Finish, Add</i>	75.34	
10 14 19 00-0156	EA		12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	362.94	5.05
			<i>For Installation With Adhesive, Deduct</i>	-20.17	
			<i>For Oxidized Finish, Add</i>	51.41	
			<i>For Polished Finish, Add</i>	102.82	
10 14 19 00-0157	EA		14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	452.61	5.83
			<i>For Installation With Adhesive, Deduct</i>	-24.96	
			<i>For Oxidized Finish, Add</i>	64.39	
			<i>For Polished Finish, Add</i>	128.79	
10 14 19 00-0158	EA		16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	539.30	7.00
			<i>For Installation With Adhesive, Deduct</i>	-29.76	
			<i>For Oxidized Finish, Add</i>	76.70	
			<i>For Polished Finish, Add</i>	153.40	
10 14 19 00-0159	EA		18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	745.61	7.77
			<i>For Installation With Adhesive, Deduct</i>	-40.39	
			<i>For Oxidized Finish, Add</i>	107.18	
			<i>For Polished Finish, Add</i>	214.36	
10 14 19 00-0160	EA		20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	841.13	8.74
			<i>For Installation With Adhesive, Deduct</i>	-45.55	
			<i>For Oxidized Finish, Add</i>	120.92	
			<i>For Polished Finish, Add</i>	241.85	
10 14 19 00-0161	EA		22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,060.30	9.23
			<i>For Installation With Adhesive, Deduct</i>	-56.71	
			<i>For Oxidized Finish, Add</i>	153.51	
			<i>For Polished Finish, Add</i>	307.01	
10 14 19 00-0162	EA		24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,246.93	9.71
			<i>For Installation With Adhesive, Deduct</i>	-66.23	
			<i>For Oxidized Finish, Add</i>	181.21	
			<i>For Polished Finish, Add</i>	362.42	
10 14 19 00-0163	EA		30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,898.24	11.66
			<i>For Installation With Adhesive, Deduct</i>	-99.58	
			<i>For Oxidized Finish, Add</i>	277.74	
			<i>For Polished Finish, Add</i>	555.48	
10 14 19 00-0164			3/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0165	EA		2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	86.51	2.43
			<i>For Installation With Adhesive, Deduct</i>	-5.30	
			<i>For Oxidized Finish, Add</i>	11.52	
			<i>For Polished Finish, Add</i>	23.04	
10 14 19 00-0166	EA		4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	124.54	2.82
			<i>For Installation With Adhesive, Deduct</i>	-7.35	
			<i>For Oxidized Finish, Add</i>	16.99	
			<i>For Polished Finish, Add</i>	33.98	



	Specialties	10
	Information Specialties	10 10
	Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0167	EA		6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	172.69 -10.00 23.86 47.72	3.40
10 14 19 00-0168	EA		8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	237.71 -13.44 33.32 66.65	3.89
10 14 19 00-0169	EA		10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	328.40 -18.17 46.64 93.28	4.38
10 14 19 00-0170	EA		12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	456.42 -24.84 65.43 130.86	5.05
10 14 19 00-0171	EA		14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	572.42 -30.95 82.37 164.73	5.83
10 14 19 00-0172	EA		16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	666.52 -36.12 95.78 191.56	7.00
10 14 19 00-0173	EA		18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	897.64 -47.99 129.98 259.97	7.77
10 14 19 00-0174	EA		20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	980.37 -52.52 141.81 283.62	8.74
10 14 19 00-0175	EA		22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,255.67 -66.48 182.81 365.62	9.23
10 14 19 00-0176	EA		24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,606.78 -84.23 235.19 470.37	9.71
10 14 19 00-0177	EA		30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	2,443.31 -126.83 359.50 719.00	11.66
10 14 19 00-0178			Satin Finish, Bronze Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0179			1/4" Deep, Satin Finish, Bronze Characters <small>(10 14 19 00-0178)</small>		
10 14 19 00-0180	EA		2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	42.74 -3.11 4.95 9.91	2.43
10 14 19 00-0181	EA		4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	57.27 -3.99 6.90 13.80	2.82
10 14 19 00-0182	EA		6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	82.02 -5.46 10.26 20.52	3.40
10 14 19 00-0183	EA		8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	111.09 -7.11 14.33 28.66	3.89
10 14 19 00-0184	EA		10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	146.05 -9.05 19.29 38.57	4.38
10 14 19 00-0185	EA		12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	187.71 -11.41 25.13 50.25	5.05
10 14 19 00-0186	EA		14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	238.00 -14.23 32.20 64.40	5.83
10 14 19 00-0187	EA		16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	296.92 -17.64 40.34 80.68	7.00
10 14 19 00-0188	EA		18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	359.01 -21.06 49.19 98.38	7.77
10 14 19 00-0189	EA		20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	428.95 -24.95 59.10 118.19	8.74



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0190	EA		22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	506.40	9.23
			<i>For Installation With Adhesive, Deduct</i>	-29.01	
			<i>For Oxidized Finish, Add</i>	70.42	
			<i>For Polished Or Patina Finish, Add</i>	140.84	
10 14 19 00-0191	EA		24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	592.09	9.71
			<i>For Installation With Adhesive, Deduct</i>	-33.49	
			<i>For Oxidized Finish, Add</i>	82.98	
			<i>For Polished Or Patina Finish, Add</i>	165.97	
10 14 19 00-0192	EA		30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	917.16	11.66
			<i>For Installation With Adhesive, Deduct</i>	-50.52	
			<i>For Oxidized Finish, Add</i>	130.58	
			<i>For Polished Or Patina Finish, Add</i>	261.16	
10 14 19 00-0193			3/8" Deep, Satin Finish, Bronze Characters <small>(10 14 19 00-0178)</small>		
10 14 19 00-0194	EA		2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	53.31	2.43
			<i>For Installation With Adhesive, Deduct</i>	-3.64	
			<i>For Oxidized Finish, Add</i>	6.54	
			<i>For Polished Or Patina Finish, Add</i>	13.08	
10 14 19 00-0195	EA		4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	71.53	2.82
			<i>For Installation With Adhesive, Deduct</i>	-4.70	
			<i>For Oxidized Finish, Add</i>	9.04	
			<i>For Polished Or Patina Finish, Add</i>	18.08	
10 14 19 00-0196	EA		6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	108.02	3.40
			<i>For Installation With Adhesive, Deduct</i>	-6.76	
			<i>For Oxidized Finish, Add</i>	14.16	
			<i>For Polished Or Patina Finish, Add</i>	28.32	
10 14 19 00-0197	EA		8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	146.45	3.89
			<i>For Installation With Adhesive, Deduct</i>	-8.88	
			<i>For Oxidized Finish, Add</i>	19.64	
			<i>For Polished Or Patina Finish, Add</i>	39.27	
10 14 19 00-0198	EA		10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	203.91	4.38
			<i>For Installation With Adhesive, Deduct</i>	-11.94	
			<i>For Oxidized Finish, Add</i>	27.96	
			<i>For Polished Or Patina Finish, Add</i>	55.93	
10 14 19 00-0199	EA		12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	261.41	5.05
			<i>For Installation With Adhesive, Deduct</i>	-15.09	
			<i>For Oxidized Finish, Add</i>	36.18	
			<i>For Polished Or Patina Finish, Add</i>	72.36	
10 14 19 00-0200	EA		14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	330.31	5.83
			<i>For Installation With Adhesive, Deduct</i>	-18.85	
			<i>For Oxidized Finish, Add</i>	46.05	
			<i>For Polished Or Patina Finish, Add</i>	92.10	
10 14 19 00-0201	EA		16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	409.88	7.00
			<i>For Installation With Adhesive, Deduct</i>	-23.29	
			<i>For Oxidized Finish, Add</i>	57.29	
			<i>For Polished Or Patina Finish, Add</i>	114.57	
10 14 19 00-0202	EA		18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	500.01	7.77
			<i>For Installation With Adhesive, Deduct</i>	-28.11	
			<i>For Oxidized Finish, Add</i>	70.34	
			<i>For Polished Or Patina Finish, Add</i>	140.68	
10 14 19 00-0203	EA		20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	598.36	8.74
			<i>For Installation With Adhesive, Deduct</i>	-33.42	
			<i>For Oxidized Finish, Add</i>	84.51	
			<i>For Polished Or Patina Finish, Add</i>	169.01	
10 14 19 00-0204	EA		22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	708.27	9.23
			<i>For Installation With Adhesive, Deduct</i>	-39.11	
			<i>For Oxidized Finish, Add</i>	100.70	
			<i>For Polished Or Patina Finish, Add</i>	201.40	
10 14 19 00-0205	EA		24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	807.84	9.71
			<i>For Installation With Adhesive, Deduct</i>	-44.28	
			<i>For Oxidized Finish, Add</i>	115.35	
			<i>For Polished Or Patina Finish, Add</i>	230.69	
10 14 19 00-0206	EA		30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,117.38	11.66
			<i>For Installation With Adhesive, Deduct</i>	-60.53	
			<i>For Oxidized Finish, Add</i>	160.61	
			<i>For Polished Or Patina Finish, Add</i>	321.22	
10 14 19 00-0207			1/2" Deep, Satin Finish, Bronze Characters <small>(10 14 19 00-0178)</small>		
10 14 19 00-0208	EA		2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	55.62	2.43
			<i>For Installation With Adhesive, Deduct</i>	-3.75	
			<i>For Oxidized Finish, Add</i>	6.89	
			<i>For Polished Or Patina Finish, Add</i>	13.77	
10 14 19 00-0209	EA		4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	88.09	2.82
			<i>For Installation With Adhesive, Deduct</i>	-5.53	
			<i>For Oxidized Finish, Add</i>	11.52	
			<i>For Polished Or Patina Finish, Add</i>	23.05	
10 14 19 00-0210	EA		6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	129.23	3.40
			<i>For Installation With Adhesive, Deduct</i>	-7.82	
			<i>For Oxidized Finish, Add</i>	17.34	
			<i>For Polished Or Patina Finish, Add</i>	34.69	
10 14 19 00-0211	EA		8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	182.75	3.89
			<i>For Installation With Adhesive, Deduct</i>	-10.69	
			<i>For Oxidized Finish, Add</i>	25.08	
			<i>For Polished Or Patina Finish, Add</i>	50.16	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0212	EA		10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	255.34 -14.52 35.68 71.36	4.38
10 14 19 00-0213	EA		12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	353.53 -19.70 50.00 100.00	5.05
10 14 19 00-0214	EA		14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	463.42 -25.50 66.02 132.03	5.83
10 14 19 00-0215	EA		16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	582.00 -31.90 83.10 166.21	7.00
10 14 19 00-0216	EA		18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	719.72 -39.10 103.29 206.59	7.77
10 14 19 00-0217	EA		20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	866.27 -46.81 124.69 249.39	8.74
10 14 19 00-0218	EA		22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	1,032.20 -55.30 149.29 298.58	9.23
10 14 19 00-0219	EA		24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	1,206.16 -64.20 175.09 350.19	9.71
10 14 19 00-0220	EA		30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	1,700.63 -89.70 248.10 496.20	11.66
10 14 19 00-0221			Satin Finish, Copper Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0222			1/4" Deep, Satin Finish, Copper Characters <small>(10 14 19 00-0221)</small>		
10 14 19 00-0223	EA		2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	40.43 -2.99 9.22	2.43
10 14 19 00-0224	EA		4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	55.15 -3.88 13.16	2.82
10 14 19 00-0225	EA		6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	81.63 -5.44 20.41	3.40
10 14 19 00-0226	EA		8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	112.09 -7.16 28.96	3.89
10 14 19 00-0227	EA		10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	145.84 -9.04 38.51	4.38
10 14 19 00-0228	EA		12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	189.16 -11.48 50.69	5.05
10 14 19 00-0229	EA		14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	240.55 -14.36 65.17	5.83
10 14 19 00-0230	EA		16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	297.87 -17.69 80.97	7.00
10 14 19 00-0231	EA		18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	361.32 -21.18 99.07	7.77
10 14 19 00-0232	EA		20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	431.03 -25.05 118.82	8.74
10 14 19 00-0233	EA		22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	509.79 -29.18 141.86	9.23
10 14 19 00-0234	EA		24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	595.10 -33.64 166.87	9.71
10 14 19 00-0235	EA		30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	869.99 -48.16 247.01	11.66
10 14 19 00-0236			3/8" Deep, Satin Finish, Copper Characters <small>(10 14 19 00-0221)</small>		
10 14 19 00-0237	EA		2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	48.11 -3.38 11.52	2.43
10 14 19 00-0238	EA		4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	68.32 -4.54 17.12	2.82



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0239	EA		6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	105.44	3.40
			<i>For Installation With Adhesive, Deduct</i>	-6.63	
			<i>For Polished Finish, Add</i>	27.55	
10 14 19 00-0240	EA		8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	150.71	3.89
			<i>For Installation With Adhesive, Deduct</i>	-9.09	
			<i>For Polished Finish, Add</i>	40.55	
10 14 19 00-0241	EA		10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	210.02	4.38
			<i>For Installation With Adhesive, Deduct</i>	-12.25	
			<i>For Polished Finish, Add</i>	57.76	
10 14 19 00-0242	EA		12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	265.19	5.05
			<i>For Installation With Adhesive, Deduct</i>	-15.28	
			<i>For Polished Finish, Add</i>	73.49	
10 14 19 00-0243	EA		14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	338.30	5.83
			<i>For Installation With Adhesive, Deduct</i>	-19.25	
			<i>For Polished Finish, Add</i>	94.49	
10 14 19 00-0244	EA		16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	419.31	7.00
			<i>For Installation With Adhesive, Deduct</i>	-23.76	
			<i>For Polished Finish, Add</i>	117.40	
10 14 19 00-0245	EA		18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	509.92	7.77
			<i>For Installation With Adhesive, Deduct</i>	-28.61	
			<i>For Polished Finish, Add</i>	143.65	
10 14 19 00-0246	EA		20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	609.26	8.74
			<i>For Installation With Adhesive, Deduct</i>	-33.96	
			<i>For Polished Finish, Add</i>	172.28	
10 14 19 00-0247	EA		22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	722.58	9.23
			<i>For Installation With Adhesive, Deduct</i>	-39.82	
			<i>For Polished Finish, Add</i>	205.70	
10 14 19 00-0248	EA		24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	817.59	9.71
			<i>For Installation With Adhesive, Deduct</i>	-44.77	
			<i>For Polished Finish, Add</i>	233.62	
10 14 19 00-0249	EA		30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,158.16	11.66
			<i>For Installation With Adhesive, Deduct</i>	-62.57	
			<i>For Polished Finish, Add</i>	333.46	
10 14 19 00-0250			Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0251			1/4" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0252	EA		2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	37.64	2.43
			<i>For Installation With Adhesive, Deduct</i>	-2.85	
			<i>For Polished Finish, Add</i>	8.38	
10 14 19 00-0253	EA		4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	51.77	2.82
			<i>For Installation With Adhesive, Deduct</i>	-3.72	
			<i>For Polished Finish, Add</i>	12.15	
10 14 19 00-0254	EA		6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	68.07	3.40
			<i>For Installation With Adhesive, Deduct</i>	-4.76	
			<i>For Polished Finish, Add</i>	16.34	
10 14 19 00-0255	EA		8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	90.96	3.89
			<i>For Installation With Adhesive, Deduct</i>	-6.10	
			<i>For Polished Finish, Add</i>	22.62	
10 14 19 00-0256	EA		10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	113.84	4.38
			<i>For Installation With Adhesive, Deduct</i>	-7.44	
			<i>For Polished Finish, Add</i>	28.91	
10 14 19 00-0257	EA		12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	141.71	5.05
			<i>For Installation With Adhesive, Deduct</i>	-9.11	
			<i>For Polished Finish, Add</i>	36.45	
10 14 19 00-0258	EA		14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	171.35	5.83
			<i>For Installation With Adhesive, Deduct</i>	-10.90	
			<i>For Polished Finish, Add</i>	44.41	
10 14 19 00-0259	EA		16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	205.34	7.00
			<i>For Installation With Adhesive, Deduct</i>	-13.07	
			<i>For Polished Finish, Add</i>	53.21	
10 14 19 00-0260	EA		18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	241.96	7.77
			<i>For Installation With Adhesive, Deduct</i>	-15.21	
			<i>For Polished Finish, Add</i>	63.26	
10 14 19 00-0261	EA		20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	284.95	8.74
			<i>For Installation With Adhesive, Deduct</i>	-17.75	
			<i>For Polished Finish, Add</i>	74.99	
10 14 19 00-0262	EA		22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	337.18	9.23
			<i>For Installation With Adhesive, Deduct</i>	-20.55	
			<i>For Polished Finish, Add</i>	90.08	
10 14 19 00-0263	EA		24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	390.79	9.71
			<i>For Installation With Adhesive, Deduct</i>	-23.43	
			<i>For Polished Finish, Add</i>	105.58	
10 14 19 00-0264	EA		30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	546.59	11.66
			<i>For Installation With Adhesive, Deduct</i>	-31.99	
			<i>For Polished Finish, Add</i>	149.99	
10 14 19 00-0265			3/8" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0266	EA		2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	47.42	2.43
			<i>For Installation With Adhesive, Deduct</i>	-3.34	
			<i>For Polished Finish, Add</i>	11.31	
10 14 19 00-0267	EA		4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	65.94	2.82
			<i>For Installation With Adhesive, Deduct</i>	-4.42	
			<i>For Polished Finish, Add</i>	16.40	
10 14 19 00-0268	EA		6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	86.05	3.40
			<i>For Installation With Adhesive, Deduct</i>	-5.66	
			<i>For Polished Finish, Add</i>	21.73	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0269	EA		8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	112.83 -7.20 29.18	3.89
10 14 19 00-0270	EA		10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	141.78 -8.84 37.29	4.38
10 14 19 00-0271	EA		12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	176.94 -10.87 47.02	5.05
10 14 19 00-0272	EA		14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	214.28 -13.05 57.29	5.83
10 14 19 00-0273	EA		16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	256.77 -15.64 68.64	7.00
10 14 19 00-0274	EA		18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	301.01 -18.16 80.98	7.77
10 14 19 00-0275	EA		20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	354.95 -21.25 95.99	8.74
10 14 19 00-0276	EA		22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	403.23 -23.85 109.89	9.23
10 14 19 00-0277	EA		24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	468.21 -27.30 128.80	9.71
10 14 19 00-0278	EA		30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	656.58 -37.49 182.98	11.66
10 14 19 00-0279			1/2" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0280	EA		2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	59.98 -3.97 15.08	2.43
10 14 19 00-0281	EA		4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	84.17 -5.34 21.87	2.82
10 14 19 00-0282	EA		6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	110.01 -6.86 28.92	3.40
10 14 19 00-0283	EA		8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	148.27 -8.97 39.82	3.89
10 14 19 00-0284	EA		10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	187.07 -11.10 50.88	4.38
10 14 19 00-0285	EA		12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	234.04 -13.72 64.15	5.05
10 14 19 00-0286	EA		14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	283.85 -16.52 78.16	5.83
10 14 19 00-0287	EA		16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	340.13 -19.80 93.65	7.00
10 14 19 00-0288	EA		18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	408.55 -23.54 113.24	7.77
10 14 19 00-0289	EA		20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	482.43 -27.62 134.24	8.74
10 14 19 00-0290	EA		22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	544.35 -30.91 152.23	9.23
10 14 19 00-0291	EA		24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	633.61 -35.57 178.42	9.71
10 14 19 00-0292	EA		30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs..... <i>For Installation With Adhesive, Deduct</i> <i>For Polished Finish, Add</i>	891.55 -49.24 253.47	11.66

10 14 23 Panel Signage (10 14)

10 14 23 00-0001 **Indoor/Outdoor Signs** (10 14 23)
 Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

10 14 23 00-0002 **Surface Mount, Indoor/Outdoor Signs** (10 14 23 00-0001)

10 14 23 00-0003 **Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs** (10 14 23 00-0002)
 Note: Multi-color with words, symbols and graphics.

10 Specialties
10 10 Information Specialties
10 14 Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0004	EA		Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	10.43	3.26
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.18	
			<i>For Clear Glass Mount, Add</i>	3.14	
			<i>For Glow-In-Dark, Add</i>	7.86	
			<i>For Reflective Finish, Add</i>	8.84	
10 14 23 00-0005	EA		>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	13.24	3.26
			<i>For >25 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.69	
			<i>For >100, Deduct</i>	-2.02	
			<i>For Clear Glass Mount, Add</i>	5.39	
			<i>For Glow-In-Dark, Add</i>	13.48	
			<i>For Reflective Finish, Add</i>	15.17	
10 14 23 00-0006	EA		>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	17.74	3.26
			<i>For >25 To 50, Deduct</i>	-1.12	
			<i>For >50 To 100, Deduct</i>	-2.81	
			<i>For >100, Deduct</i>	-3.37	
			<i>For Clear Glass Mount, Add</i>	8.99	
			<i>For Glow-In-Dark, Add</i>	22.48	
			<i>For Reflective Finish, Add</i>	25.29	
10 14 23 00-0007	EA		>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	23.35	3.26
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-4.21	
			<i>For >100, Deduct</i>	-5.06	
			<i>For Clear Glass Mount, Add</i>	13.48	
			<i>For Glow-In-Dark, Add</i>	33.70	
			<i>For Reflective Finish, Add</i>	37.91	
10 14 23 00-0008	EA		>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	33.46	3.26
			<i>For >25 To 50, Deduct</i>	-2.70	
			<i>For >50 To 100, Deduct</i>	-6.74	
			<i>For >100, Deduct</i>	-8.09	
			<i>For Clear Glass Mount, Add</i>	21.57	
			<i>For Glow-In-Dark, Add</i>	53.92	
			<i>For Reflective Finish, Add</i>	60.66	
10 14 23 00-0009	EA		>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	51.44	3.26
			<i>For >25 To 50, Deduct</i>	-4.49	
			<i>For >50 To 100, Deduct</i>	-11.24	
			<i>For >100, Deduct</i>	-13.48	
			<i>For Clear Glass Mount, Add</i>	35.95	
			<i>For Glow-In-Dark, Add</i>	89.88	
			<i>For Reflective Finish, Add</i>	101.12	
10 14 23 00-0010	EA		>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	73.91	3.26
			<i>For >25 To 50, Deduct</i>	-6.74	
			<i>For >50 To 100, Deduct</i>	-16.85	
			<i>For >100, Deduct</i>	-20.22	
			<i>For Clear Glass Mount, Add</i>	53.93	
			<i>For Glow-In-Dark, Add</i>	134.82	
			<i>For Reflective Finish, Add</i>	151.67	
10 14 23 00-0011	SI		>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	0.08	
			<i>For Clear Glass Mount, Add</i>	0.06	
			<i>For Glow-In-Dark, Add</i>	0.14	
			<i>For Reflective Finish, Add</i>	0.16	
10 14 23 00-0012			Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs		
			<small>(10 14 23 00-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 00-0013	EA		Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	11.56	3.26
			<i>For >25 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-1.52	
			<i>For Glow-In-Dark, Add</i>	10.12	
			<i>For Reflective Finish, Add</i>	10.88	
10 14 23 00-0014	EA		>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	14.36	3.26
			<i>For >25 To 50, Deduct</i>	-0.79	
			<i>For >50 To 100, Deduct</i>	-1.97	
			<i>For >100, Deduct</i>	-2.36	
			<i>For Glow-In-Dark, Add</i>	15.72	
			<i>For Reflective Finish, Add</i>	16.90	
10 14 23 00-0015	EA		>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	19.98	3.26
			<i>For >25 To 50, Deduct</i>	-1.35	
			<i>For >50 To 100, Deduct</i>	-3.37	
			<i>For >100, Deduct</i>	-4.04	
			<i>For Glow-In-Dark, Add</i>	26.96	
			<i>For Reflective Finish, Add</i>	28.98	
10 14 23 00-0016	EA		>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	25.60	3.26
			<i>For >25 To 50, Deduct</i>	-1.91	
			<i>For >50 To 100, Deduct</i>	-4.78	
			<i>For >100, Deduct</i>	-5.73	
			<i>For Glow-In-Dark, Add</i>	38.20	
			<i>For Reflective Finish, Add</i>	41.07	
10 14 23 00-0017	EA		>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	34.03	3.26
			<i>For >25 To 50, Deduct</i>	-2.75	
			<i>For >50 To 100, Deduct</i>	-6.88	
			<i>For >100, Deduct</i>	-8.26	
			<i>For Glow-In-Dark, Add</i>	55.06	
			<i>For Reflective Finish, Add</i>	59.19	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0018	EA		>500 To 750 Sl, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	42.45 -3.60 -8.99 -10.79 71.90 77.29	3.26
10 14 23 00-0019	EA		>750 To 1,000 Sl, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	51.44 -4.49 -11.24 -13.48 89.88 96.62	3.26
10 14 23 00-0020	SI		>1,000 Sl, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	0.06 0.10 0.11	
10 14 23 00-0021			Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <small>(10 14 23 00-0002)</small> Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 00-0022	EA		Up To 25 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i> <i>For 2" Height Slider Channel For Custom Inserts, Add</i>	19.98 -1.35 -3.37 -4.04 15.00 23.00 35.00	3.26
10 14 23 00-0023	EA		>25 To 50 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i> <i>For 2" Height Slider Channel For Custom Inserts, Add</i>	23.35 -1.69 -4.21 -5.06 17.00 28.00 35.00	3.26
10 14 23 00-0024	EA		>50 To 75 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	28.97 -2.25 -5.62 -6.74 19.00 31.00	3.26
10 14 23 00-0025	EA		>75 To 100 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	34.25 -2.78 -6.94 -8.33 21.00 35.00	3.26
10 14 23 00-0026	SI		>100 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <i>For Molded Plastic Frame, Add</i> <i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	0.38 0.20 0.31	0.03
10 14 23 00-0027			Engraved Steel, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0002)</small> Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 00-0028	EA		Up To 25 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	27.85 -2.14 -5.34 -6.41 15.00	3.26
10 14 23 00-0029	EA		>25 To 50 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	34.59 -2.81 -7.02 -8.43 17.00	3.26
10 14 23 00-0030	EA		>50 To 75 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	43.58 -3.71 -9.27 -11.12 19.00	3.26
10 14 23 00-0031	EA		>75 To 100 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Molded Plastic Frame, Add</i>	61.55 -5.51 -13.76 -16.52 21.00	3.26
10 14 23 00-0032	SI		>100 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign <i>For Molded Plastic Frame, Add</i>	0.61 0.20	0.03
10 14 23 00-0033			Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0002)</small> Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 00-0034	EA		Up To 25 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	10.99 -0.45 -1.12 -1.35 2.69 3.37	3.26
10 14 23 00-0035	EA		>25 To 50 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Glow-In-Dark, Add</i> <i>For Reflective Finish, Add</i>	14.36 -0.79 -1.97 -2.36 4.72 5.90	3.26

10 Specialties
10 10 Information Specialties
10 14 Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0036	EA	>50 To 100 SI	Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	21.11	3.26
			<i>For >25 To 50, Deduct</i>	-1.46	
			<i>For >50 To 100, Deduct</i>	-3.65	
			<i>For >100, Deduct</i>	-4.38	
			<i>For Glow-In-Dark, Add</i>	8.77	
			<i>For Reflective Finish, Add</i>	10.96	
10 14 23 00-0037	EA	>100 To 250 SI	Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	28.97	3.26
			<i>For >25 To 50, Deduct</i>	-2.25	
			<i>For >50 To 100, Deduct</i>	-5.62	
			<i>For >100, Deduct</i>	-6.74	
			<i>For Glow-In-Dark, Add</i>	13.48	
			<i>For Reflective Finish, Add</i>	16.85	
10 14 23 00-0038	EA	>250 To 500 SI	Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	52.56	3.26
			<i>For >25 To 50, Deduct</i>	-4.61	
			<i>For >50 To 100, Deduct</i>	-11.52	
			<i>For >100, Deduct</i>	-13.82	
			<i>For Glow-In-Dark, Add</i>	27.64	
			<i>For Reflective Finish, Add</i>	34.55	
10 14 23 00-0039	EA	>500 To 750 SI	Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	62.68	3.26
			<i>For >25 To 50, Deduct</i>	-5.62	
			<i>For >50 To 100, Deduct</i>	-14.05	
			<i>For >100, Deduct</i>	-16.85	
			<i>For Glow-In-Dark, Add</i>	33.71	
			<i>For Reflective Finish, Add</i>	42.14	
10 14 23 00-0040	EA	>750 To 1,000 SI	Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	76.16	3.26
			<i>For >25 To 50, Deduct</i>	-6.97	
			<i>For >50 To 100, Deduct</i>	-17.42	
			<i>For >100, Deduct</i>	-20.90	
			<i>For Glow-In-Dark, Add</i>	41.80	
			<i>For Reflective Finish, Add</i>	52.25	
10 14 23 00-0041	SI	>1,000 SI	Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.09	
			<i>For Glow-In-Dark, Add</i>	0.05	
			<i>For Reflective Finish, Add</i>	0.06	
10 14 23 00-0042			Ceiling Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0001)</small>		
10 14 23 00-0043			Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0042)</small>		
10 14 23 00-0044	EA	Up To 25 SI	Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	15.29	4.56
			<i>For >25 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.55	
			<i>For >100, Deduct</i>	-1.85	
			<i>For Glow-In-Dark, Add</i>	3.71	
			<i>For Reflective Finish, Add</i>	4.64	
10 14 23 00-0045	EA	>25 To 50 SI	Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	20.35	4.56
			<i>For >25 To 50, Deduct</i>	-1.12	
			<i>For >50 To 100, Deduct</i>	-2.81	
			<i>For >100, Deduct</i>	-3.37	
			<i>For Glow-In-Dark, Add</i>	6.74	
			<i>For Reflective Finish, Add</i>	8.43	
10 14 23 00-0046	EA	>50 To 100 SI	Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	27.09	4.56
			<i>For >25 To 50, Deduct</i>	-1.80	
			<i>For >50 To 100, Deduct</i>	-4.50	
			<i>For >100, Deduct</i>	-5.39	
			<i>For Glow-In-Dark, Add</i>	10.79	
			<i>For Reflective Finish, Add</i>	13.49	
10 14 23 00-0047	EA	>100 To 150 SI	Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	37.20	4.56
			<i>For >25 To 50, Deduct</i>	-2.81	
			<i>For >50 To 100, Deduct</i>	-7.02	
			<i>For >100, Deduct</i>	-8.43	
			<i>For Glow-In-Dark, Add</i>	16.85	
			<i>For Reflective Finish, Add</i>	21.07	
10 14 23 00-0048			90 Degree, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0001)</small>		
10 14 23 00-0049			Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0048)</small>		
10 14 23 00-0050	EA	Up To 25 SI	Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	15.85	4.56
			<i>For >25 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.69	
			<i>For >100, Deduct</i>	-2.02	
			<i>For Glow-In-Dark, Add</i>	4.04	
			<i>For Reflective Finish, Add</i>	5.06	
10 14 23 00-0051	EA	>25 To 50 SI	Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	21.47	4.56
			<i>For >25 To 50, Deduct</i>	-1.24	
			<i>For >50 To 100, Deduct</i>	-3.09	
			<i>For >100, Deduct</i>	-3.71	
			<i>For Glow-In-Dark, Add</i>	7.42	
			<i>For Reflective Finish, Add</i>	9.27	
10 14 23 00-0052	EA	>50 To 100 SI	Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	33.83	4.56
			<i>For >25 To 50, Deduct</i>	-2.47	
			<i>For >50 To 100, Deduct</i>	-6.18	
			<i>For >100, Deduct</i>	-7.42	
			<i>For Glow-In-Dark, Add</i>	14.83	
			<i>For Reflective Finish, Add</i>	18.54	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0053	EA		>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	38.32	4.56
			<i>For >25 To 50, Deduct</i>	-2.92	
			<i>For >50 To 100, Deduct</i>	-7.30	
			<i>For >100, Deduct</i>	-8.76	
			<i>For Glow-In-Dark, Add</i>	17.53	
			<i>For Reflective Finish, Add</i>	21.91	
10 14 23 00-0054			Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0001)		
10 14 23 00-0055			Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0054)		
10 14 23 00-0056	EA		Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	17.54	4.56
			<i>For >25 To 50, Deduct</i>	-0.84	
			<i>For >50 To 100, Deduct</i>	-2.11	
			<i>For >100, Deduct</i>	-2.53	
			<i>For Glow-In-Dark, Add</i>	5.06	
			<i>For Reflective Finish, Add</i>	6.32	
10 14 23 00-0057	EA		>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	25.96	4.56
			<i>For >25 To 50, Deduct</i>	-1.69	
			<i>For >50 To 100, Deduct</i>	-4.21	
			<i>For >100, Deduct</i>	-5.06	
			<i>For Glow-In-Dark, Add</i>	10.11	
			<i>For Reflective Finish, Add</i>	12.64	
10 14 23 00-0058	EA		>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	29.33	4.56
			<i>For >25 To 50, Deduct</i>	-2.02	
			<i>For >50 To 100, Deduct</i>	-5.06	
			<i>For >100, Deduct</i>	-6.07	
			<i>For Glow-In-Dark, Add</i>	12.13	
			<i>For Reflective Finish, Add</i>	15.17	
10 14 23 00-0059	EA		>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	33.83	4.56
			<i>For >25 To 50, Deduct</i>	-2.47	
			<i>For >50 To 100, Deduct</i>	-6.18	
			<i>For >100, Deduct</i>	-7.42	
			<i>For Glow-In-Dark, Add</i>	14.83	
			<i>For Reflective Finish, Add</i>	18.54	
10 14 23 00-0060			Adhesive Backed Vinyl Characters (10 14 23) Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 00-0061	EA		1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	1.37	0.26
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.27	
10 14 23 00-0062	EA		3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	1.45	0.30
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.29	
10 14 23 00-0063	EA		1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	1.53	0.34
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.31	
10 14 23 00-0064	EA		1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	1.91	0.39
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.38	
10 14 23 00-0065	EA		2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	2.02	0.45
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.40	
10 14 23 00-0066	EA		3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	2.96	0.52
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.60	
10 14 23 00-0067	EA		4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	3.29	0.58
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.69	
10 14 23 00-0068	EA		6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	4.56	0.66
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.97	
10 14 23 00-0069	EA		8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	5.87	0.72
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.30	
10 14 23 00-0070	EA		10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	7.68	0.78
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.72	
10 14 23 00-0071			Removal And Reinstallation Of Building Signage (10 14 23) Note: Includes storage and cleaning.		
10 14 23 00-0072	EA		Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF.....	68.07	
10 14 23 00-0073	EA		Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF.....	78.99	
10 14 23 00-0074	EA		Removal And Reinstallation Of Building Signage, >12 To 20 SF.....	88.72	
10 14 23 00-0075	EA		Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF.....	19.52	
10 14 23 00-0076			Building Sign (10 14 23) Note: Includes 4" numbers painted on. Installed on building.		
10 14 23 00-0077	EA		6" x 18" Metal Building Sign With Numbers.....	54.83	7.81
10 14 23 00-0078	SF		Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts.....	33.88	2.73
10 14 23 00-0079	SF		Single Sided, Molding On One Side, For Mounting On Structure Up To 20'.....	23.90	2.52
10 14 23 00-0080	EA		Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep.....	10.33	2.14
10 14 23 00-0081	EA		Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep.....	11.95	2.33
10 14 23 00-0082	EA		Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep.....	13.13	2.52
10 14 23 00-0083	EA		Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep.....	15.53	2.73
10 14 29			Wall Or Ground Mounted Signs (10 14) Note: Includes fabrication, delivery, installation, bolts and fasteners and drilling.		
10 14 29 00-0001			Illuminated Signage (10 14 29)		
10 14 29 00-0002			Removal Of Sign Cabinets (10 14 29 00-0001)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 29 00-0003	EA		Removal Of Sign Cabinet, 1 To 4.9 SF.....	143.09	
10 14 29 00-0004	EA		Removal Of Sign Cabinet, 5 To 9.9 SF.....	171.71	
10 14 29 00-0005	EA		Removal Of Sign Cabinet, 10 To 19.9 SF.....	228.92	
10 14 29 00-0006	EA		Removal Of Sign Cabinet, 20 To 29.9 SF.....	343.42	
10 14 29 00-0007	EA		Removal Of Sign Cabinet, >30 SF.....	457.85	

10 14 29 00-0008 Fabricate And Install New Sign Cabinets (10 14 29 00-0001)

10 14 29 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted.....	209.88		
		For >5 To 11 Per Each Sign, Deduct	-10.49		
		For >11 To 20 Per Each Sign, Deduct	-15.74		
		For >20 Per Each Sign, Deduct	-20.99		
10 14 29 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted.....	170.52		
		For >5 To 11 Per Each Sign, Deduct	-8.53		
		For >11 To 20 Per Each Sign, Deduct	-12.79		
		For >20 Per Each Sign, Deduct	-17.05		
10 14 29 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted.....	139.07		
		For >5 To 11 Per Each Sign, Deduct	-6.95		
		For >11 To 20 Per Each Sign, Deduct	-10.43		
		For >20 Per Each Sign, Deduct	-13.91		
10 14 29 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted.....	125.79		
		For >5 To 11 Per Each Sign, Deduct	-6.29		
		For >11 To 20 Per Each Sign, Deduct	-9.43		
		For >20 Per Each Sign, Deduct	-12.58		
10 14 29 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Wall/Ground Mounted.....	114.28		
		For >5 To 11 Per Each Sign, Deduct	-5.71		
		For >11 To 20 Per Each Sign, Deduct	-8.57		
		For >20 Per Each Sign, Deduct	-11.43		

10 14 29 00-0014 Fabricate And Install New Sign Face, Material And Legend (10 14 29 00-0001)

10 14 29 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	56.24		
		For >5 To 11 Per Each Sign, Deduct	-2.81		
		For >11 To 20 Per Each Sign, Deduct	-4.22		
		For >20 Per Each Sign, Deduct	-5.62		
10 14 29 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	44.74		
		For >5 To 11 Per Each Sign, Deduct	-2.24		
		For >11 To 20 Per Each Sign, Deduct	-3.36		
		For >20 Per Each Sign, Deduct	-4.47		
10 14 29 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	36.30		
		For >5 To 11 Per Each Sign, Deduct	-1.82		
		For >11 To 20 Per Each Sign, Deduct	-2.72		
		For >20 Per Each Sign, Deduct	-3.63		
10 14 29 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	29.65		
		For >5 To 11 Per Each Sign, Deduct	-1.48		
		For >11 To 20 Per Each Sign, Deduct	-2.22		
		For >20 Per Each Sign, Deduct	-2.97		
10 14 29 00-0019	SF	=>30 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	23.72		
		For >5 To 11 Per Each Sign, Deduct	-1.19		
		For >11 To 20 Per Each Sign, Deduct	-1.78		
		For >20 Per Each Sign, Deduct	-2.37		

10 14 29 00-0020 Posts (10 14 29)

Note: Includes mounting bolts and installation for sign blades to posts.

10 14 29 00-0021	LF	2" Square Galvanized Steel Post.....	11.03		
		For Powder Coating, Add	0.59		
10 14 29 00-0022	LF	2-3/8" Diameter Galvanized Steel Post.....	10.59		
		For Powder Coating, Add	0.56		
10 14 29 00-0023	LF	2" Diameter TREX Post	5.83		
10 14 29 00-0024	EA	Mounting On Ground With Base	37.79		
		Note: Includes bolts and drilling for bolts.			
10 14 29 00-0025	EA	Mid Post Mounted Rotating Sign With Graphics	217.88		
		For >5 To 11, Deduct	-10.89		
		For >11 To 20, Deduct	-16.34		
		For >20, Deduct	-21.79		

10 14 31 Overhead And Ceiling Hung Signs (10 14)

Note: Includes fabrication, delivery, installation, bolts and fasteners and drilling.

10 14 31 00-0001 Illuminated Signage (10 14 31)

10 14 31 00-0002 Removal Of Sign Cabinets (10 14 31 00-0001)

10 14 31 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF.....	157.40		
10 14 31 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF.....	188.88		
10 14 31 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF.....	251.83		
10 14 31 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF.....	377.76		
10 14 31 00-0007	EA	Removal Of Sign Cabinet, >30 SF.....	503.58		

10 14 31 00-0008 Fabricate And Install New Sign Cabinets (10 14 31 00-0001)

10 14 31 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	232.70		
		For >5 To 11 Per Each Sign, Deduct	-11.64		
		For >11 To 20 Per Each Sign, Deduct	-17.45		
		For >20 Per Each Sign, Deduct	-23.27		



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 31 00-0010 SF 5 To 9.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung <i>For >5 To 11 Per Each Sign, Deduct</i> <i>For >11 To 20 Per Each Sign, Deduct</i> <i>For >20 Per Each Sign, Deduct</i>	189.03 -9.45 -14.18 -18.90	
10 14 31 00-0011 SF 10 To 19.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung <i>For >5 To 11 Per Each Sign, Deduct</i> <i>For >11 To 20 Per Each Sign, Deduct</i> <i>For >20 Per Each Sign, Deduct</i>	154.17 -7.71 -11.56 -15.42	
10 14 31 00-0012 SF 20 To 29.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung <i>For >5 To 11 Per Each Sign, Deduct</i> <i>For >11 To 20 Per Each Sign, Deduct</i> <i>For >20 Per Each Sign, Deduct</i>	139.44 -6.97 -10.46 -13.94	
10 14 31 00-0013 SF =>30 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung <i>For >5 To 11 Per Each Sign, Deduct</i> <i>For >11 To 20 Per Each Sign, Deduct</i> <i>For >20 Per Each Sign, Deduct</i>	126.68 -6.33 -9.50 -12.67	
10 14 31 00-0014 Fabricate And Install New Sign Face, Material And Legend <small>(10 14 31 00-0001)</small>		
10 14 31 00-0015 SF 1 To 4.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend <i>For >5 To 11 Per Each Sign, Deduct</i> <i>For >11 To 20 Per Each Sign, Deduct</i> <i>For >20 Per Each Sign, Deduct</i>	21.60 -1.08 -1.62 -2.16	
10 14 31 00-0016 SF 5 To 9.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend <i>For >5 To 11 Per Each Sign, Deduct</i> <i>For >11 To 20 Per Each Sign, Deduct</i> <i>For >20 Per Each Sign, Deduct</i>	17.28 -0.86 -1.30 -1.73	
10 14 31 00-0017 SF 10 To 19.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend <i>For >5 To 11 Per Each Sign, Deduct</i> <i>For >11 To 20 Per Each Sign, Deduct</i> <i>For >20 Per Each Sign, Deduct</i>	14.40 -0.72 -1.08 -1.44	
10 14 31 00-0018 SF 20 To 29.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend <i>For >5 To 11 Per Each Sign, Deduct</i> <i>For >11 To 20 Per Each Sign, Deduct</i> <i>For >20 Per Each Sign, Deduct</i>	12.57 -0.63 -0.94 -1.26	
10 14 31 00-0019 SF =>30 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend <i>For >5 To 11 Per Each Sign, Deduct</i> <i>For >11 To 20 Per Each Sign, Deduct</i> <i>For >20 Per Each Sign, Deduct</i>	11.12 -0.56 -0.83 -1.11	
10 14 43 Photoluminescent Signage <small>(10 14)</small>		
10 14 43 00-0001 Photoluminescent Illuminated Signage <small>(10 14 43)</small>		
10 14 43 00-0002 EA 4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	27.32 -2.08 -5.21 -6.25	3.26
10 14 43 00-0003 EA 4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	30.71 -2.42 -6.05 -7.26	3.26
10 14 43 00-0004 EA 8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	35.36 -2.89 -7.22 -8.66	3.26
10 14 53 Traffic Signage <small>(10 14)</small>		
10 14 53 00-0001 Traffic Signs <small>(10 14 53)</small>		
10 14 53 00-0002 Reflectorized Stop Signs And Other Traffic Signs <small>(10 14 53 00-0001)</small> Note: Excludes posts.		
10 14 53 00-0003 Aluminum Engineer Grade Stop Signs <small>(10 14 53 00-0002)</small>		
10 14 53 00-0004 EA 18" x 18" Aluminum Engineer Grade Stop Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	34.67 6.89 13.08	5.86
10 14 53 00-0005 EA 18" x 24" Aluminum Engineer Grade Stop Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	42.37 9.00 17.11	6.19
10 14 53 00-0006 EA 24" x 24" Aluminum Engineer Grade Stop Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	46.56 13.75 21.80	6.50
10 14 53 00-0007 EA 30" x 30" Aluminum Engineer Grade Stop Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	56.62 5.16 27.92	6.85
10 14 53 00-0008 EA 36" x 36" Aluminum Engineer Grade Stop Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	83.17 15.15 47.51	7.16
10 14 53 00-0009 Other Reflectorized Traffic Signs <small>(10 14 53 00-0002)</small> Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 00-0010 Aluminum Engineer Grade Traffic Signs <small>(10 14 53 00-0009)</small>		
10 14 53 00-0011 EA 6" x 12" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	16.11 1.71	5.20

10 Specialties
10 10 Information Specialties
10 14 Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0012 EA 6" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	18.95 2.56	5.20
10 14 53 00-0013 EA 9" x 12" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	18.95 2.56	5.20
10 14 53 00-0014 EA 9" x 15" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	21.08 3.20	5.20
10 14 53 00-0015 EA 9" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	23.21 3.84	5.20
10 14 53 00-0016 EA 9" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	28.12 5.12	5.54
10 14 53 00-0017 EA 9" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	45.17 10.23	5.54
10 14 53 00-0018 EA 12" x 12" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	21.79 3.41	5.20
10 14 53 00-0019 EA 12" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	28.12 5.12	5.54
10 14 53 00-0020 EA 12" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	33.80 6.82	5.54
10 14 53 00-0021 EA 12" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	39.49 8.53	5.54
10 14 53 00-0022 EA 12" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	45.17 10.23	5.54
10 14 53 00-0023 EA 18" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	36.64 7.67	5.54
10 14 53 00-0024 EA 18" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	45.17 10.23	5.54
10 14 53 00-0025 EA 18" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	54.36 12.79	5.86
10 14 53 00-0026 EA 18" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	62.89 15.35	5.86
10 14 53 00-0027 EA 18" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	82.55 20.47	7.16
10 14 53 00-0028 EA 18" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	91.08 23.03	7.16
10 14 53 00-0029 EA 24" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	57.20 13.64	5.86
10 14 53 00-0030 EA 24" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	68.58 17.06	5.86
10 14 53 00-0031 EA 24" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	79.95 20.47	5.86
10 14 53 00-0032 EA 24" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	93.92 23.88	7.16
10 14 53 00-0033 EA 24" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	105.29 27.29	7.16
10 14 53 00-0034 EA 24" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	116.66 30.70	7.16
10 14 53 00-0035 EA 24" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	128.03 34.11	7.16
10 14 53 00-0036 EA 30" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	82.79 21.32	5.86
10 14 53 00-0037 EA 30" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	99.60 25.58	7.16
10 14 53 00-0038 EA 30" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	113.82 29.85	7.16
10 14 53 00-0039 EA 30" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	130.63 34.11	8.46
10 14 53 00-0040 EA 30" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	161.66 42.64	9.76
10 14 53 00-0041 EA 36" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	116.66 30.70	7.16
10 14 53 00-0042 EA 36" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	136.32 35.82	8.46
10 14 53 00-0043 EA 36" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	155.97 40.94	9.76
10 14 53 00-0044 EA 36" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	173.03 46.05	9.76
10 14 53 00-0045 EA 36" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	192.70 51.17	11.06
10 14 53 00-0046 EA 36" x 73" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	232.26 62.26	12.36
10 14 53 00-0047 EA 36" x 78" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	246.48 66.52	12.36
10 14 53 00-0048 EA 36" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	335.66 92.11	14.32
10 14 53 00-0049 EA 42" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	158.82 41.79	9.76
10 14 53 00-0050 EA 48" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	204.07 54.58	11.06
10 14 53 00-0051 EA 48" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	229.42 61.40	12.36
10 14 53 00-0052 EA 48" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	252.16 68.23	12.36
10 14 53 00-0053 EA 48" x 66" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	278.80 75.05	14.32
10 14 53 00-0054 EA 48" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	301.55 81.87	14.32
10 14 53 00-0055 EA 48" x 84" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	349.63 95.52	15.62



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0056	EA		48" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	395.12 109.16	15.62
10 14 53 00-0057	EA		48" x 102" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	417.86 115.99	15.62
10 14 53 00-0058	EA		48" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	441.90 122.81	16.28
10 14 53 00-0059	EA		60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	372.37 102.34	15.62
10 14 53 00-0060	EA		72" x 144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	860.38 245.62	20.82
10 14 53 00-0061	EA		78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	623.84 177.39	16.28
10 14 53 00-0062 Non-Reflectorized Traffic Signs (10 14 53 00-0001)					
Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.					
10 14 53 00-0063 Steel Non-Reflectorized Traffic Signs (10 14 53 00-0062)					
10 14 53 00-0064	EA		6" x 12" Steel Non Reflectorized Traffic Sign.....	15.34	5.20
10 14 53 00-0065	EA		6" x 18" Steel Non Reflectorized Traffic Sign.....	17.79	5.20
10 14 53 00-0066	EA		9" x 12" Steel Non Reflectorized Traffic Sign.....	17.79	5.20
10 14 53 00-0067	EA		9" x 15" Steel Non Reflectorized Traffic Sign.....	19.64	5.20
10 14 53 00-0068	EA		9" x 18" Steel Non Reflectorized Traffic Sign.....	21.48	5.20
10 14 53 00-0069	EA		9" x 24" Steel Non Reflectorized Traffic Sign.....	25.81	5.54
10 14 53 00-0070	EA		9" x 48" Steel Non Reflectorized Traffic Sign.....	40.55	5.54
10 14 53 00-0071	EA		12" x 12" Steel Non Reflectorized Traffic Sign.....	20.25	5.20
10 14 53 00-0072	EA		12" x 18" Steel Non Reflectorized Traffic Sign.....	25.81	5.54
10 14 53 00-0073	EA		12" x 24" Steel Non Reflectorized Traffic Sign.....	30.72	5.54
10 14 53 00-0074	EA		12" x 30" Steel Non Reflectorized Traffic Sign.....	35.64	5.54
10 14 53 00-0075	EA		12" x 36" Steel Non Reflectorized Traffic Sign.....	40.55	5.54
10 14 53 00-0076	EA		18" x 18" Steel Non Reflectorized Traffic Sign.....	33.18	5.54
10 14 53 00-0077	EA		18" x 24" Steel Non Reflectorized Traffic Sign.....	40.55	5.54
10 14 53 00-0078	EA		18" x 30" Steel Non Reflectorized Traffic Sign.....	48.58	5.86
10 14 53 00-0079	EA		18" x 36" Steel Non Reflectorized Traffic Sign.....	55.96	5.86
10 14 53 00-0080	EA		18" x 48" Steel Non Reflectorized Traffic Sign.....	73.30	7.16
10 14 53 00-0081	EA		18" x 54" Steel Non Reflectorized Traffic Sign.....	80.67	7.16
10 14 53 00-0082	EA		24" x 24" Steel Non Reflectorized Traffic Sign.....	51.04	5.86
10 14 53 00-0083	EA		24" x 30" Steel Non Reflectorized Traffic Sign.....	60.87	5.86
10 14 53 00-0084	EA		24" x 36" Steel Non Reflectorized Traffic Sign.....	70.70	5.86
10 14 53 00-0085	EA		24" x 42" Steel Non Reflectorized Traffic Sign.....	83.13	7.16
10 14 53 00-0086	EA		24" x 48" Steel Non Reflectorized Traffic Sign.....	92.96	7.16
10 14 53 00-0087	EA		24" x 54" Steel Non Reflectorized Traffic Sign.....	102.79	7.16
10 14 53 00-0088	EA		24" x 60" Steel Non Reflectorized Traffic Sign.....	112.62	7.16
10 14 53 00-0089	EA		30" x 30" Steel Non Reflectorized Traffic Sign.....	73.16	5.86
10 14 53 00-0090	EA		30" x 36" Steel Non Reflectorized Traffic Sign.....	88.05	7.16
10 14 53 00-0091	EA		30" x 42" Steel Non Reflectorized Traffic Sign.....	100.34	7.16
10 14 53 00-0092	EA		30" x 48" Steel Non Reflectorized Traffic Sign.....	115.22	8.46
10 14 53 00-0093	EA		30" x 60" Steel Non Reflectorized Traffic Sign.....	142.40	9.76
10 14 53 00-0094	EA		36" x 36" Steel Non Reflectorized Traffic Sign.....	102.79	7.16
10 14 53 00-0095	EA		36" x 42" Steel Non Reflectorized Traffic Sign.....	120.14	8.46
10 14 53 00-0096	EA		36" x 48" Steel Non Reflectorized Traffic Sign.....	137.48	9.76
10 14 53 00-0097	EA		36" x 54" Steel Non Reflectorized Traffic Sign.....	152.23	9.76
10 14 53 00-0098	EA		36" x 60" Steel Non Reflectorized Traffic Sign.....	169.58	11.06
10 14 53 00-0099	EA		36" x 73" Steel Non Reflectorized Traffic Sign.....	204.14	12.36
10 14 53 00-0100	EA		36" x 78" Steel Non Reflectorized Traffic Sign.....	216.43	12.36
10 14 53 00-0101	EA		36" x 108" Steel Non Reflectorized Traffic Sign.....	294.06	14.32
10 14 53 00-0102	EA		42" x 42" Steel Non Reflectorized Traffic Sign.....	139.94	9.76
10 14 53 00-0103	EA		48" x 48" Steel Non Reflectorized Traffic Sign.....	179.41	11.06
10 14 53 00-0104	EA		48" x 54" Steel Non Reflectorized Traffic Sign.....	201.69	12.36
10 14 53 00-0105	EA		48" x 60" Steel Non Reflectorized Traffic Sign.....	221.35	12.36
10 14 53 00-0106	EA		48" x 66" Steel Non Reflectorized Traffic Sign.....	244.91	14.32
10 14 53 00-0107	EA		48" x 72" Steel Non Reflectorized Traffic Sign.....	264.57	14.32
10 14 53 00-0108	EA		48" x 84" Steel Non Reflectorized Traffic Sign.....	306.49	15.62
10 14 53 00-0109	EA		48" x 96" Steel Non Reflectorized Traffic Sign.....	345.81	15.62
10 14 53 00-0110	EA		48" x 102" Steel Non Reflectorized Traffic Sign.....	365.47	15.62
10 14 53 00-0111	EA		48" x 108" Steel Non Reflectorized Traffic Sign.....	386.43	16.28
10 14 53 00-0112	EA		60" x 72" Steel Non Reflectorized Traffic Sign.....	326.15	15.62
10 14 53 00-0113	EA		72" x 144" Steel Non Reflectorized Traffic Sign.....	749.44	20.82
10 14 53 00-0114	EA		78" x 96" Steel Non Reflectorized Traffic Sign.....	543.72	16.28
10 14 53 00-0115 Aluminum Non-Reflectorized Traffic Signs (10 14 53 00-0062)					
10 14 53 00-0116	EA		6" x 12" Aluminum Non Reflectorized Traffic Sign.....	15.54	5.20
10 14 53 00-0117	EA		6" x 18" Aluminum Non Reflectorized Traffic Sign.....	18.09	5.20
10 14 53 00-0118	EA		9" x 12" Aluminum Non Reflectorized Traffic Sign.....	18.09	5.20
10 14 53 00-0119	EA		9" x 15" Aluminum Non Reflectorized Traffic Sign.....	20.01	5.20
10 14 53 00-0120	EA		9" x 18" Aluminum Non Reflectorized Traffic Sign.....	21.93	5.20
10 14 53 00-0121	EA		9" x 24" Aluminum Non Reflectorized Traffic Sign.....	26.41	5.54
10 14 53 00-0122	EA		9" x 48" Aluminum Non Reflectorized Traffic Sign.....	41.75	5.54
10 14 53 00-0123	EA		12" x 12" Aluminum Non Reflectorized Traffic Sign.....	20.65	5.20
10 14 53 00-0124	EA		12" x 18" Aluminum Non Reflectorized Traffic Sign.....	26.41	5.54
10 14 53 00-0125	EA		12" x 24" Aluminum Non Reflectorized Traffic Sign.....	31.52	5.54
10 14 53 00-0126	EA		12" x 30" Aluminum Non Reflectorized Traffic Sign.....	36.64	5.54
10 14 53 00-0127	EA		12" x 36" Aluminum Non Reflectorized Traffic Sign.....	41.75	5.54
10 14 53 00-0128	EA		18" x 18" Aluminum Non Reflectorized Traffic Sign.....	34.08	5.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 00-0129	EA		18" x 24" Aluminum Non Reflectorized Traffic Sign	41.75	5.54
10 14 53 00-0130	EA		18" x 30" Aluminum Non Reflectorized Traffic Sign	50.09	5.86
10 14 53 00-0131	EA		18" x 36" Aluminum Non Reflectorized Traffic Sign	57.76	5.86
10 14 53 00-0132	EA		18" x 48" Aluminum Non Reflectorized Traffic Sign	75.71	7.16
10 14 53 00-0133	EA		18" x 54" Aluminum Non Reflectorized Traffic Sign	83.38	7.16
10 14 53 00-0134	EA		24" x 24" Aluminum Non Reflectorized Traffic Sign	52.64	5.86
10 14 53 00-0135	EA		24" x 30" Aluminum Non Reflectorized Traffic Sign	62.87	5.86
10 14 53 00-0136	EA		24" x 36" Aluminum Non Reflectorized Traffic Sign	73.11	5.86
10 14 53 00-0137	EA		24" x 42" Aluminum Non Reflectorized Traffic Sign	85.94	7.16
10 14 53 00-0138	EA		24" x 48" Aluminum Non Reflectorized Traffic Sign	96.17	7.16
10 14 53 00-0139	EA		24" x 54" Aluminum Non Reflectorized Traffic Sign	106.40	7.16
10 14 53 00-0140	EA		24" x 60" Aluminum Non Reflectorized Traffic Sign	116.63	7.16
10 14 53 00-0141	EA		30" x 30" Aluminum Non Reflectorized Traffic Sign	75.66	5.86
10 14 53 00-0142	EA		30" x 36" Aluminum Non Reflectorized Traffic Sign	91.05	7.16
10 14 53 00-0143	EA		30" x 42" Aluminum Non Reflectorized Traffic Sign	103.84	7.16
10 14 53 00-0144	EA		30" x 48" Aluminum Non Reflectorized Traffic Sign	119.23	8.46
10 14 53 00-0145	EA		30" x 60" Aluminum Non Reflectorized Traffic Sign	147.41	9.76
10 14 53 00-0146	EA		36" x 36" Aluminum Non Reflectorized Traffic Sign	106.40	7.16
10 14 53 00-0147	EA		36" x 42" Aluminum Non Reflectorized Traffic Sign	124.34	8.46
10 14 53 00-0148	EA		36" x 48" Aluminum Non Reflectorized Traffic Sign	142.29	9.76
10 14 53 00-0149	EA		36" x 54" Aluminum Non Reflectorized Traffic Sign	157.64	9.76
10 14 53 00-0150	EA		36" x 60" Aluminum Non Reflectorized Traffic Sign	175.59	11.06
10 14 53 00-0151	EA		36" x 73" Aluminum Non Reflectorized Traffic Sign	211.45	12.36
10 14 53 00-0152	EA		36" x 78" Aluminum Non Reflectorized Traffic Sign	224.24	12.36
10 14 53 00-0153	EA		36" x 108" Aluminum Non Reflectorized Traffic Sign	304.87	14.32
10 14 53 00-0154	EA		42" x 42" Aluminum Non Reflectorized Traffic Sign	144.85	9.76
10 14 53 00-0155	EA		48" x 48" Aluminum Non Reflectorized Traffic Sign	185.82	11.06
10 14 53 00-0156	EA		48" x 54" Aluminum Non Reflectorized Traffic Sign	208.90	12.36
10 14 53 00-0157	EA		48" x 60" Aluminum Non Reflectorized Traffic Sign	229.36	12.36
10 14 53 00-0158	EA		48" x 66" Aluminum Non Reflectorized Traffic Sign	253.72	14.32
10 14 53 00-0159	EA		48" x 72" Aluminum Non Reflectorized Traffic Sign	274.18	14.32
10 14 53 00-0160	EA		48" x 84" Aluminum Non Reflectorized Traffic Sign	317.71	15.62
10 14 53 00-0161	EA		48" x 96" Aluminum Non Reflectorized Traffic Sign	358.63	15.62
10 14 53 00-0162	EA		48" x 102" Aluminum Non Reflectorized Traffic Sign	379.09	15.62
10 14 53 00-0163	EA		48" x 108" Aluminum Non Reflectorized Traffic Sign	400.85	16.28
10 14 53 00-0164	EA		60" x 72" Aluminum Non Reflectorized Traffic Sign	338.17	15.62
10 14 53 00-0165	EA		72" x 144" Aluminum Non Reflectorized Traffic Sign	778.29	20.82
10 14 53 00-0166	EA		78" x 96" Aluminum Non Reflectorized Traffic Sign	564.55	16.28

10 14 53 00-0167 Aluminum Street Signs (10 14 53 00-0001)
Note: Excludes posts.

10 14 53 00-0168 Aluminum Engineer Grade Street Signs (10 14 53 00-0167)

10 14 53 00-0169	EA		6" High, Aluminum Engineer Grade Street Sign	52.22	2.60
10 14 53 00-0170	EA		8" High, Aluminum Engineer Grade Street Sign	60.52	2.60
10 14 53 00-0171	EA		9" High, Aluminum Engineer Grade Street Sign	66.70	2.60

10 14 53 00-0172 Street Sign Accessories (10 14 53 00-0167)

10 14 53 00-0173	EA		Post Cap And Single Bracket For Street Sign	13.91	1.30
10 14 53 00-0174	EA		Post Cap And Double Bracket For Street Sign	13.91	1.30

10 14 53 00-0175 Sign Posts (10 14 53 00-0001)

Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.

10 14 53 00-0176 U-Channel Sign Posts (10 14 53 00-0175)

Note: Excludes digging and concrete.

10 14 53 00-0177 Baked Enamel U-Channel Sign Posts (10 14 53 00-0176)

10 14 53 00-0178	EA		3' To 4' Baked Enamel U-Channel Sign Post Base	30.55	5.46
10 14 53 00-0179	EA		6' Baked Enamel U-Channel Sign Post	41.25	6.82
10 14 53 00-0180	EA		7' Baked Enamel U-Channel Sign Post	49.11	8.19
10 14 53 00-0181	EA		8' Baked Enamel U-Channel Sign Post	57.62	9.56
10 14 53 00-0182	EA		10' Baked Enamel U-Channel Sign Post	69.28	11.60
10 14 53 00-0183	EA		12' Baked Enamel U-Channel Sign Post	72.43	11.60

10 14 53 00-0184 Galvanized Steel U-Channel Sign Posts (10 14 53 00-0176)

10 14 53 00-0185	EA		3' To 4' Galvanized Steel U-Channel Sign Post Base	34.60	5.46
10 14 53 00-0186	EA		6' Galvanized Steel U-Channel Sign Post	47.67	6.82
10 14 53 00-0187	EA		7' Galvanized Steel U-Channel Sign Post	63.63	8.19
10 14 53 00-0188	EA		8' Galvanized Steel U-Channel Sign Post	73.67	9.56
10 14 53 00-0189	EA		10' Galvanized Steel U-Channel Sign Post	80.97	11.60
10 14 53 00-0190	EA		12' Galvanized Steel U-Channel Sign Post	82.59	11.60

10 14 53 00-0191 Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 00-0176)

10 14 53 00-0192	EA		3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	29.60	5.46
10 14 53 00-0193	EA		6' Fiberglass Or Composite Plastic U-Channel Sign Post	39.17	6.82
10 14 53 00-0194	EA		7' Fiberglass Or Composite Plastic U-Channel Sign Post	46.61	8.19
10 14 53 00-0195	EA		8' Fiberglass Or Composite Plastic U-Channel Sign Post	54.63	9.56
10 14 53 00-0196	EA		10' Fiberglass Or Composite Plastic U-Channel Sign Post	63.87	11.60
10 14 53 00-0197	EA		12' Fiberglass Or Composite Plastic U-Channel Sign Post	69.22	11.60



	Specialties	10	
	Information Specialties	10 10	
	Signage	10 14	10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 00-0198	Tubular Sign Posts (10 14 53 00-0175) Note: Excludes digging and concrete.		
10 14 53 00-0199	2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 00-0198)		
10 14 53 00-0200	EA 6", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	48.33	6.82
10 14 53 00-0201	EA 7", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	57.04	8.19
10 14 53 00-0202	EA 8", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	67.78	9.56
10 14 53 00-0203	EA 10", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	89.75	11.60
10 14 53 00-0204	EA 12", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	100.77	11.60

10 14 53 00-0205	Square Sign Posts (10 14 53 00-0175) Note: Excludes digging and concrete.		
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10 14 53 00-0206	Galvanized Steel Square Sign Posts (10 14 53 00-0205)		
10 14 53 00-0207	EA 3' To 4' Galvanized Steel Square Sign Post Base.....	35.50	5.46
10 14 53 00-0208	EA 6' Galvanized Steel Square Sign Post.....	62.87	6.82
10 14 53 00-0209	EA 7' Galvanized Steel Square Sign Post.....	73.09	8.19
10 14 53 00-0210	EA 8' Galvanized Steel Square Sign Post.....	85.25	9.56
10 14 53 00-0211	EA 10' Galvanized Steel Square Sign Post.....	104.33	11.60
10 14 53 00-0212	EA 12' Galvanized Steel Square Sign Post.....	112.02	11.60

10 14 53 00-0213	Sign Post Accessories (10 14 53 00-0001)		
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10 14 53 00-0214	Sign Post Brackets (10 14 53 00-0213)		
10 14 53 00-0215	EA 2-3/8" Outside Diameter, Single Sign Bracket Set.....	17.48	1.96
10 14 53 00-0216	EA 2-3/8" Outside Diameter, Double Sign Bracket Set.....	32.49	3.26
10 14 53 00-0217	EA 10 cm - 37 cm Diameter, Buckle Bracket Set.....	28.73	2.60

10 14 53 00-0218	Sign Post Caps (10 14 53 00-0213)		
10 14 53 00-0219	EA Traffic Sign Post Cap.....	8.90	1.30

10 14 53 00-0220	Sign Post Replacement Bolts (10 14 53 00-0213)		
10 14 53 00-0221	EA Signage Fasteners, 2 Bolts, 2 Nuts And 4 Washers.....	4.73	

10 14 53 00-0222	Removal Of Signs (10 14 53) Note: Includes structural supports.		
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10 14 53 00-0223	EA >4 To 10 SF Sign Area, Sign Removal.....	52.07	
10 14 53 00-0224	EA >10 To 20 SF Sign Area, Sign Removal.....	124.97	
10 14 53 00-0225	EA >20 To 40 SF Sign Area, Sign Removal.....	187.45	
10 14 53 00-0226	EA >40 To 100 SF Sign Area, Sign Removal.....	380.67	

10 14 53 00-0227	Remove And Reinstall Signs (10 14 53) Note: Includes structural supports.		
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10 14 53 00-0228	EA >4 To 10 SF Sign Area, Removal And Reinstallation Of Sign.....	81.63	
10 14 53 00-0229	EA >10 To 20 SF Sign Area, Removal And Reinstallation Of Sign.....	189.96	
10 14 53 00-0230	EA >20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign.....	283.30	
10 14 53 00-0231	EA >40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign.....	572.98	
10 14 53 00-0232	EA Removal And Reinstallation Of Street Sign On Post.....	29.94	
10 14 53 00-0233	EA Removal And Relocation Of Traffic Light.....	130.03	

10 14 53 00-0234	Parking Meter Post (10 14 53)		
10 14 53 00-0235	EA Install Parking Meter Post.....	83.92	

10 14 56 Bridge Signage (10 14)

10 14 56 00-0001	Bridge And Truss Mounted Signs (10 14 56)		
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10 14 56 00-0002	Removal Of Bridge And Truss Mounted Signs (10 14 56 00-0001)		
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10 14 56 00-0003	CF Removal Of Foundation, Including Excavation.....	6.87	
10 14 56 00-0004	LF Removal Of Truss And Supports.....	104.89	
10 14 56 00-0005	SF Removal Of Sign Face.....	4.79	
10 14 56 00-0006	SF Removal Of Legend.....	7.99	
10 14 56 00-0007	EA Removal Of Changeable Message Panel.....	92.21	
10 14 56 00-0008	EA Removal Of Posts And Supports, Per Post.....	47.95	

10 14 56 00-0009	Fabricate And Install Bridge And Truss Mounted Signs (10 14 56 00-0001)		
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10 14 56 00-0010	CY Foundation For Sign Excavation, Backfill, Compaction, Concrete, Rebar, Forms And Finish.....	339.06	
10 14 56 00-0011	LF Telescoping Steel Ground Posts.....	46.95	
10 14 56 00-0012	LF Overhead Steel Mounting Framework.....	836.13	
10 14 56 00-0013	LB Ground Mounted Steel Structure.....	3.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 56 00-0014			Fabricate And Install New 12" Extruded Aluminum Channel (10 14 56 00-0001) Note: Includes reflective face with reflective legend.		
10 14 56 00-0015	SF		1 To 49.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	41.41	
10 14 56 00-0016	SF		50 To 99.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	36.78	
10 14 56 00-0017	SF		100 To 149.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	32.83	
10 14 56 00-0018	SF		>150 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	29.48	
10 14 56 00-0019			Fabricate And Install New Reflective Messages On Sign Face (10 14 56 00-0001)		
10 14 56 00-0020			One Color/3 Dimensional Demountable Letters (10 14 56 00-0019)		
10 14 56 00-0021	EA		6" Capital Height Letter.....	15.20	
10 14 56 00-0022	EA		8" Capital Height Letter.....	18.68	
10 14 56 00-0023	EA		10" Capital Height Letter.....	22.14	
10 14 56 00-0024	EA		12" Capital Height Letter.....	25.43	
10 14 56 00-0025	EA		14" Capital Height Letter.....	28.12	
10 14 56 00-0026			Two Color Legend Shields-Die Cut Vinyl Engineer Grade (10 14 56 00-0019)		
10 14 56 00-0027	EA		6" Legend/Shields.....	16.10	
10 14 56 00-0028	EA		8" Legend/Shields.....	19.89	
10 14 56 00-0029	EA		10" Legend/Shields.....	23.65	
10 14 56 00-0030	EA		12" Legend/Shields.....	27.24	
10 14 56 00-0031	EA		14" Legend/Shields.....	30.26	
10 14 56 00-0032			Fabricate And Install New Changeable Message Panel (10 14 56 00-0001)		
10 14 56 00-0033	SF		One Color Hi-Intensity Die Cut Vinyl Letters on Demountable Panel.....	17.21	
10 14 63			Electronic Message Signage (10 14)		
10 14 63 00-0001			Dynamic Signs (10 14 63)		
10 14 63 00-0002			Programming/Software And Repair (10 14 63 00-0001)		
10 14 63 00-0003	HR		Programming Message, Graphic Visuals, Movement Of Message, And Timing Of Visuals On Screen.....	81.20	
10 14 63 00-0004	HR		Repair/Replacement Of Electronic Sign And Computer Components	50.75	
10 14 63 00-0005	HR		Repair Flip Disks Or Light Source.....	50.75	
10 14 63 00-0006			Fabricate And Install New Sign Cabinets (10 14 63 00-0001)		
10 14 63 00-0007			Cabinet For Flip Disk Display (10 14 63 00-0006)		
10 14 63 00-0008	SF		1 To 99 SF Cabinet.....	108.89	
10 14 63 00-0009	SF		100 To 200 SF Cabinet.....	90.90	
10 14 63 00-0010			Fabricate And Install New Sign Face Components (10 14 63 00-0001)		
10 14 63 00-0011			Enhanced Flip Disk Display (10 14 63 00-0010)		
10 14 63 00-0012	EA		Enhanced Flip Disk.....	97.59	
10 14 63 00-0013	SF		Lexan Lens For Flip Disk Sign	38.52	
10 14 63 00-0014			Disappearing Copy Sign (10 14 63 00-0010)		
10 14 63 00-0015	SF		1 To 49.9 SF, Disappearing Copy Sign.....	26.32	
10 14 63 00-0016	SF		=>50 SF, Disappearing Copy Sign.....	18.97	
10 14 63 00-0017			Fabricate And Install Transfer Lights And Signs (10 14 63 00-0001)		
10 14 63 00-0018	EA		Passenger Transfer Signage	452.52	
10 14 63 00-0019			Visual Message Boards (10 14 63)		
10 14 63 00-0020			Visual Message Sign Upgrade (10 14 63 00-0019)		
10 14 63 00-0021	EA		NetClock Spectracom #8189	7,830.50	396.63
10 14 63 00-0022	EA		GPS Antenna Spectracom #8225.....	1,556.56	78.85
10 14 63 00-0023	EA		Surge Protector Spectracom #8225.....	1,083.35	54.87
10 14 63 00-0024	EA		RG-213 Antenna Cable Connector	599.87	30.38
10 14 63 00-0025	EA		RG-213 Antenna Cable.....	11.59	0.58
10 14 63 00-0026	EA		Antenna Mounting Hardware	158.34	8.01
10 14 63 00-0027	EA		Connect To Network Hub.....	462.64	23.43
10 14 63 00-0028	EA		Hub Interconnect Cable	368.55	18.67
10 14 63 00-0029	EA		EDI Firmware Per Sign Face (Single-Sided).....	181.07	9.17
10 14 63 00-0030	EA		EDI Firmware Per Sign Face (Double-Sided)	181.07	9.17
10 14 63 00-0031	EA		Hub Switch.....	2,293.97	116.20
10 14 63 00-0032	EA		VMS Signs Red Line - EDI Firmware Per Sign Face	181.07	9.17
10 14 63 00-0033	EA		VMS Signs Blue Line - EDI Firmware Per Sign Face.....	181.07	9.17
10 14 63 00-0034	EA		VMS Signs Green Line - EDI Firmware Per Sign Face.....	181.07	9.17
10 14 63 00-0035	EA		Re-Wire Existing PA Consoles.....	252.43	12.79
10 14 63 00-0036	EA		New Firmware.....	207.51	10.51
10 14 63 00-0037	EA		New PA Consoles.....	4,159.40	210.68
10 14 63 00-0038	EA		Rewire Existing PA Controllers	389.21	19.72



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 63 00-0039 EA New PA Controllers	7,652.55	387.66
10 14 63 00-0040 EA Remove Viking Units	115.66	5.86
10 14 63 00-0041 EA Re-Wire Rack For New CA Connection.....	389.21	19.72
10 14 63 00-0042 EA Load New Messages Into DADS Unit.....	231.31	11.71
10 14 63 00-0043 Message Boards (10 14 63 00-0019)		
10 14 63 00-0044 EA Next Train Message Board, Fiber-Optic Double Face, 2-Way	52,555.78	213.36

10 20 Interior Specialties (10)

10 21 Compartments And Cubicles (10 20)

10 21 13 Toilet Compartments (10 21)

10 21 13 13 Metal Toilet Compartments (10 21 13)

10 21 13 13-0001 Enamel Coated Steel Toilet Partitions And Urinal Screens (10 21 13 13)

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.

10 21 13 13-0002 Enamel Coated Steel Toilet Partitions (10 21 13 13-0001)

Note: All colors.

10 21 13 13-0003 Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)

10 21 13 13-0004 EA 36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	601.48	43.76
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For >10, Deduct

For Heavy Gauge Full-Height SS Hinges And Brackets, Add

10 21 13 13-0005 EA 60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	737.44	47.65
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For Heavy Gauge Full-Height SS Hinges And Brackets, Add

10 21 13 13-0006 EA 60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	790.07	49.60
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For Heavy Gauge Full-Height SS Hinges And Brackets, Add

10 21 13 13-0007 Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)

Note: Includes headrail.

10 21 13 13-0008 EA 36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	611.15	53.48
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For >10, Deduct

For Heavy Gauge Full-Height SS Hinges And Brackets, Add

10 21 13 13-0009 EA 60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	719.05	57.38
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For Heavy Gauge Full-Height SS Hinges And Brackets, Add

10 21 13 13-0010 EA 60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	762.61	59.32
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For Heavy Gauge Full-Height SS Hinges And Brackets, Add

10 21 13 13-0011 Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)

Note: Excludes above ceiling steel.

10 21 13 13-0012 EA 36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	721.18	63.20
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For >10, Deduct

For Heavy Gauge Full-Height SS Hinges And Brackets, Add

10 21 13 13-0013 EA 60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	853.35	67.10
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For Heavy Gauge Full-Height SS Hinges And Brackets, Add

10 21 13 13-0014 EA 60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	899.03	69.04
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For Heavy Gauge Full-Height SS Hinges And Brackets, Add

10 21 13 13-0015 Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)

Note: Excludes above ceiling steel.

10 21 13 13-0016 EA 36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	674.48	72.94
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For >10, Deduct

For Heavy Gauge Full-Height SS Hinges And Brackets, Add

10 21 13 13-0017 EA 60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	829.96	76.82
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For Heavy Gauge Full-Height SS Hinges And Brackets, Add

10 21 13 13-0018 EA 60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	881.18	78.77
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For Heavy Gauge Full-Height SS Hinges And Brackets, Add

10 21 13 13-0019 Enamel Coated Steel Urinal Screens (10 21 13 13-0001)

Note: All colors.

10 21 13 13-0020 Floor Anchored, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)

10 21 13 13-0021 EA 24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	310.78	27.21
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For Heavy Gauge Full-Height SS Brackets, Add

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	346.41 26.88	29.15
10 21	13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	383.25 26.88	31.09
10 21 13 13-0024 Wall Hung, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)					
10 21	13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	161.40 26.88	23.32
10 21	13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	173.83 26.88	25.27
10 21	13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	182.59 26.88	27.21
10 21 13 13-0028 Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)					
10 21	13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	217.72 26.88	25.27
10 21 13 13-0030 Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)					
10 21	13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	249.51 26.88	25.27
10 21	13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	265.61 26.88	27.21
10 21	13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	281.71 26.88	29.15
10 21 13 13-0034 Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)					
10 21	13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	283.92 26.88	27.21
10 21	13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	304.90 26.88	29.15
10 21	13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	339.30 26.88	31.09
10 21 13 13-0038 Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 13-0001)					
Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.					
10 21 13 13-0039 Enamel Coated Steel, Toilet Partition Doors (10 21 13 13-0038)					
10 21	13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	201.12 43.25	7.78
10 21	13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	206.00 43.25	7.78
10 21	13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	218.16 43.25	8.36
10 21	13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	240.14 43.25	8.36
10 21	13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	245.02 43.25	8.36
10 21 13 13-0045 Enamel Coated Steel, Toilet Partition Panels (10 21 13 13-0038)					
10 21	13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	133.21 26.88	11.67
10 21	13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	147.37 26.88	12.64
10 21	13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	161.52 26.88	13.62
10 21	13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	175.67 26.88	14.59
10 21	13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	189.82 26.88	15.56
10 21	13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	203.97 26.88	16.54
10 21	13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	216.91 26.88	17.50
10 21	13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	231.07 26.88	18.47
10 21	13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	240.33 26.88	19.45
10 21	13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	245.99 42.00 26.88	19.84
10 21	13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	253.26 42.00 26.88	20.42
10 21	13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	278.40 42.00 26.88	21.39
10 21	13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	299.88 42.00 26.88	22.37



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 13-0059	70" Long, Enamel Coated Steel, Toilet Partition Pilasters <small>(10 21 13 13-0038)</small>		
10 21 13 13-0060	EA Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	106.89 26.88	5.83
10 21 13 13-0061	EA 5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	117.39 26.88	6.80
10 21 13 13-0062	EA 6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	129.09 26.88	7.78
10 21 13 13-0063	EA 8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	150.57 26.88	8.75
10 21 13 13-0064	EA 10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	170.83 26.88	9.72
10 21 13 13-0065	EA 12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	191.08 26.88	10.70
10 21 13 13-0066	EA 18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	250.41 26.88	11.67
10 21 13 13-0067	EA 22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	288.98 26.88	12.64
10 21 13 13-0068	EA 24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	310.46 26.88	13.62

10 21 13 13-0069	82" Long, Enamel Coated Steel, Toilet Partition Pilasters <small>(10 21 13 13-0038)</small>		
10 21 13 13-0070	EA Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	83.70 26.88	5.83
10 21 13 13-0071	EA 5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	90.53 26.88	6.80
10 21 13 13-0072	EA 6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	98.57 26.88	7.78
10 21 13 13-0073	EA 8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	111.50 26.88	8.75
10 21 13 13-0074	EA 10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	123.22 26.88	9.72
10 21 13 13-0075	EA 12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	136.15 26.88	10.70
10 21 13 13-0076	EA 18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	171.06 26.88	11.67
10 21 13 13-0077	EA 22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	193.76 26.88	12.64
10 21 13 13-0078	EA 24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	206.69 26.88	13.62

10 21 13 13-0079	96" To 120" Long, Enamel Coated Steel, Partition Pilasters <small>(10 21 13 13-0038)</small>		
10 21 13 13-0080	EA Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	116.89 26.88	7.78
10 21 13 13-0081	EA 5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	127.37 26.88	8.75
10 21 13 13-0082	EA 6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	139.09 26.88	9.72
10 21 13 13-0083	EA 8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	160.56 26.88	10.70
10 21 13 13-0084	EA 10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	180.82 26.88	11.67
10 21 13 13-0085	EA 12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	201.09 26.88	12.64
10 21 13 13-0086	EA 18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	260.40 26.88	13.62
10 21 13 13-0087	EA 22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	298.97 26.88	14.59
10 21 13 13-0088	EA 24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	320.45 26.88	15.56

10 21 13 14 Stainless-Steel Toilet Compartments (10 21 13)

10 21 13 14-0001	Stainless Steel Toilet Partitions And Urinal Screens <small>(10 21 13 14)</small>		
<small>Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.</small>			
10 21 13 14-0002	Stainless Steel Toilet Partitions <small>(10 21 13 14-0001)</small>		
10 21 13 14-0003	Floor Anchored, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small>		
10 21 13 14-0004	EA 36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,930.05 -184.25 97.00 644.89	43.76
10 21 13 14-0005	EA 60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,346.47 97.00 787.91	47.65

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0006	EA		60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,458.65 97.00 825.81	49.60
10 21 13 14-0007			Overhead Braced, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002) Note: Includes headrail.		
10 21 13 14-0008	EA		36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,583.39 -147.64 97.00 516.75	53.48
10 21 13 14-0009	EA		60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,951.23 97.00 642.77	57.38
10 21 13 14-0010	EA		60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,136.14 97.00 706.13	59.32
10 21 13 14-0011			Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002) Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA		36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,226.80 -210.04 97.00 735.13	63.20
10 21 13 14-0013	EA		60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,390.48 97.00 789.70	67.10
10 21 13 14-0014	EA		60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,506.11 97.00 828.81	69.04
10 21 13 14-0015			Ceiling Hung, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002) Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA		36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,199.31 -205.34 97.00 718.70	72.94
10 21 13 14-0017	EA		60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,713.85 97.00 896.07	76.82
10 21 13 14-0018	EA		60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,859.91 97.00 945.83	78.77
10 21 13 14-0019			Stainless Steel Urinal Screens (10 21 13 14-0001)		
10 21 13 14-0020			Floor Anchored, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0021	EA		24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	597.60 26.88 190.12	27.21
10 21 13 14-0022	EA		36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	681.54 26.88 218.13	29.15
10 21 13 14-0023	EA		48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	691.98 26.88 220.43	31.09
10 21 13 14-0024			Wall Hung, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0025	EA		18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	432.00 26.88 134.88	23.32
10 21 13 14-0026	EA		24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	467.37 26.88 145.89	25.27
10 21 13 14-0027	EA		30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	511.38 26.88 159.94	27.21
10 21 13 14-0028			Wall Hung And Post Supported, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0029	EA		18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	740.18 26.88 241.38	25.27
10 21 13 14-0030	EA		24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	773.55 26.88 251.70	27.21



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0031 EA 30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	806.74 26.88 261.95	29.15
10 21 13 14-0032 Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0033 EA 22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	597.60 26.88 190.12	27.21
10 21 13 14-0034 EA 34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	681.54 26.88 218.13	29.15
10 21 13 14-0035 EA 46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	769.23 26.88 247.47	31.09
10 21 13 14-0036 Stainless Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 14-0001) See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 14-0037 Stainless Steel, Toilet Partition Doors (10 21 13 14-0036)		
10 21 13 14-0038 EA 24" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	426.47 43.25 143.82	7.78
10 21 13 14-0039 EA 26" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	491.37 43.25 166.53	7.78
10 21 13 14-0040 EA 30" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	502.30 43.25 169.68	8.75
10 21 13 14-0041 EA 34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	521.03 43.25 176.24	8.75
10 21 13 14-0042 EA 36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	526.25 43.25 178.06	8.75
10 21 13 14-0043 Stainless Steel, Toilet Partition Panels (10 21 13 14-0036)		
10 21 13 14-0044 EA 6" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	353.06 26.88 115.40	11.67
10 21 13 14-0045 EA 12" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	393.09 26.88 128.73	12.64
10 21 13 14-0046 EA 18" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	408.20 26.88 133.34	13.62
10 21 13 14-0047 EA 24" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	425.80 26.88 138.82	14.59
10 21 13 14-0048 EA 30" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	457.33 26.88 149.17	15.56
10 21 13 14-0049 EA 36" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	494.48 26.88 161.50	16.54
10 21 13 14-0050 EA 42" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	584.25 26.88 192.23	17.50
10 21 13 14-0051 EA 48" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	641.86 26.88 211.72	18.47
10 21 13 14-0052 EA 55" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	656.98 26.88 216.33	19.45
10 21 13 14-0053 EA 58" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	691.44 26.88 228.12	19.84
10 21 13 14-0054 EA 60" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	736.55 26.88 243.50	20.42
10 21 13 14-0055 EA 70" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	771.76 26.88 255.14	21.39
10 21 13 14-0056 EA 78" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	850.29 26.88 281.95	22.37
10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)		
10 21 13 14-0058 EA Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	251.87 26.88 84.07	5.83
10 21 13 14-0059 EA 5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	272.86 26.88 90.73	6.80

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	295.31 26.88 97.91	7.78
10 21	13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	336.79 26.88 111.75	8.75
10 21	13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	378.29 26.88 125.59	9.72
10 21	13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	419.77 26.88 139.43	10.70
10 21	13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	538.90 26.88 180.45	11.67
10 21	13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	619.94 26.88 208.13	12.64
10 21	13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	661.42 26.88 221.97	13.62
10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)					
10 21	13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	188.22 26.88 61.79	5.83
10 21	13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	202.25 26.88 66.02	6.80
10 21	13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	216.89 26.88 70.47	7.78
10 21	13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	285.84 26.88 93.92	8.75
10 21	13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	323.10 26.88 106.28	9.72
10 21	13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	332.36 26.88 108.84	10.70
10 21	13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	378.03 26.88 124.14	11.67
10 21	13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	428.07 26.88 140.97	12.64
10 21	13 14-0076	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	453.85 26.88 149.32	13.62
10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)					
10 21	13 14-0078	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	271.87 26.88 89.71	7.78
10 21	13 14-0079	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	297.25 26.88 97.91	8.75
10 21	13 14-0080	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	321.17 26.88 105.60	9.72
10 21	13 14-0081	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	369.98 26.88 122.01	10.70
10 21	13 14-0082	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	417.33 26.88 137.90	11.67
10 21	13 14-0083	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	464.69 26.88 153.79	12.64
10 21	13 14-0084	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	605.77 26.88 202.49	13.62
10 21	13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	698.51 26.88 234.27	14.59
10 21	13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	747.33 26.88 250.67	15.56

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments (10 21 13)



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens <small>(10 21 13 16)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
10 21 13 16-0002 Laminated Plastic Toilet Partitions <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors.		
10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small>		
10 21 13 16-0004 EA 36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition 560.48 43.76 <i>For >10, Deduct</i> -47.30 <i>For Cast Stainless Steel Hardware, Add</i> 77.97 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 97.00		
10 21 13 16-0005 EA 60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 689.36 47.65 <i>For Cast Stainless Steel Hardware, Add</i> 77.98 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 97.00		
10 21 13 16-0006 EA 60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 742.99 49.60 <i>For Cast Stainless Steel Hardware, Add</i> 77.99 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 97.00		
10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small> Note: Includes headrail.		
10 21 13 16-0008 EA 36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition 603.02 53.48 <i>For >10, Deduct</i> -49.61 <i>For Cast Stainless Steel Hardware, Add</i> 78.00 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 97.00		
10 21 13 16-0009 EA 60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 737.67 57.38 <i>For Cast Stainless Steel Hardware, Add</i> 78.01 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 97.00		
10 21 13 16-0010 EA 60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 795.62 59.32 <i>For Cast Stainless Steel Hardware, Add</i> 78.01 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 97.00		
10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 16-0012 EA 36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition 805.41 72.94 <i>For >10, Deduct</i> -65.96 <i>For Cast Stainless Steel Hardware, Add</i> 78.05 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 97.00		
10 21 13 16-0013 EA 60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 944.50 76.82 <i>For Cast Stainless Steel Hardware, Add</i> 78.06 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 97.00		
10 21 13 16-0014 EA 60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition 998.12 78.77 <i>For Cast Stainless Steel Hardware, Add</i> 78.07 <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> 97.00		
10 21 13 16-0015 Laminated Plastic Urinal Screens <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors.		
10 21 13 16-0016 Floor Anchored, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>		
10 21 13 16-0017 EA 24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen 230.81 27.21 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 26.88		
10 21 13 16-0018 EA 36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen 252.00 29.15 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 26.88		
10 21 13 16-0019 EA 48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen 259.27 31.09 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 26.88		
10 21 13 16-0020 Wall Hung, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>		
10 21 13 16-0021 EA 18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen 177.93 23.32 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 26.88		
10 21 13 16-0022 EA 24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen 186.77 25.27 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 26.88		
10 21 13 16-0023 EA 30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen 195.14 27.21 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 26.88		
10 21 13 16-0024 Wall Hung And Post Supported, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>		
10 21 13 16-0025 EA 18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen 239.65 25.27 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 26.88		
10 21 13 16-0026 EA 24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen 263.27 27.21 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 26.88		
10 21 13 16-0027 EA 30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen 288.96 29.15 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 26.88		

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0028			Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0029	EA		24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen.....	220.01	25.27
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0030	EA		36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen.....	241.69	27.21
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0031	EA		48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen.....	248.70	29.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0032			Laminated Plastic Toilet Partition Doors, Panels And Pilasters (10 21 13 16-0001) Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.		
10 21 13 16-0033			Laminated Plastic, Toilet Partition Doors (10 21 13 16-0032)		
10 21 13 16-0034	EA		24" x 58" x 1", Laminated Plastic, Toilet Partition Door.....	190.41	7.78
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	43.25	
10 21 13 16-0035	EA		26" x 58" x 1", Laminated Plastic, Toilet Partition Door.....	207.40	7.78
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	43.25	
10 21 13 16-0036	EA		30" x 58" x 1", Laminated Plastic, Toilet Partition Door.....	213.98	8.75
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	43.25	
10 21 13 16-0037	EA		34" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door.....	219.23	8.75
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	43.25	
10 21 13 16-0038	EA		36" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door.....	224.17	8.75
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	43.25	
10 21 13 16-0039			Laminated Plastic, Toilet Partition Panels (10 21 13 16-0032)		
10 21 13 16-0040	EA		6" x 58" x 1", Laminated Plastic, Toilet Partition Panel.....	92.21	11.67
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0041	EA		12" x 58" x 1", Laminated Plastic, Toilet Partition Panel.....	102.16	12.64
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0042	EA		18" x 58" x 1", Laminated Plastic, Toilet Partition Panel.....	112.11	13.62
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0043	EA		24" x 58" x 1", Laminated Plastic, Toilet Partition Panel.....	122.47	14.59
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0044	EA		30" x 58" x 1", Laminated Plastic, Toilet Partition Panel.....	132.01	15.56
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0045	EA		36" x 58" x 1", Laminated Plastic, Toilet Partition Panel.....	142.42	16.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0046	EA		42" x 58" x 1", Laminated Plastic, Toilet Partition Panel.....	145.31	17.50
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0047	EA		48" x 58" x 1", Laminated Plastic, Toilet Partition Panel.....	148.79	18.47
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0048	EA		55" x 58" x 1", Laminated Plastic, Toilet Partition Panel.....	156.61	19.45
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0049	EA		58" x 58" x 1", Laminated Plastic, Toilet Partition Panel.....	163.39	19.84
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0050	EA		60" x 58" x 1", Laminated Plastic, Toilet Partition Panel.....	170.90	20.42
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0051	EA		70" x 58" x 1", Laminated Plastic, Toilet Partition Panel.....	196.02	21.39
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0052	EA		78" x 58" x 1", Laminated Plastic, Toilet Partition Panel.....	224.52	22.37
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 16-0053			69" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)		
10 21 13 16-0054	EA		Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	77.47	5.83
			<i>For 1-1/4" Pilaster, Add</i>	5.43	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For Steel Core Pilaster, Add</i>	65.80	
10 21 13 16-0055	EA		5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	89.31	6.80
			<i>For 1-1/4" Pilaster, Add</i>	6.24	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For Steel Core Pilaster, Add</i>	75.69	
10 21 13 16-0056	EA		6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	91.25	7.78
			<i>For 1-1/4" Pilaster, Add</i>	6.24	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For Steel Core Pilaster, Add</i>	75.69	
10 21 13 16-0057	EA		8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	100.60	8.75
			<i>For 1-1/4" Pilaster, Add</i>	6.86	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For Steel Core Pilaster, Add</i>	83.10	
10 21 13 16-0058	EA		10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	104.71	9.72
			<i>For 1-1/4" Pilaster, Add</i>	7.03	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For Steel Core Pilaster, Add</i>	85.26	
10 21 13 16-0059	EA		12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	113.76	10.70
			<i>For 1-1/4" Pilaster, Add</i>	7.62	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For Steel Core Pilaster, Add</i>	92.37	
10 21 13 16-0060	EA		18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	145.98	11.67
			<i>For 1-1/4" Pilaster, Add</i>	10.12	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For Steel Core Pilaster, Add</i>	122.64	
10 21 13 16-0061	EA		22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster.....	177.59	12.64
			<i>For 1-1/4" Pilaster, Add</i>	12.56	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For Steel Core Pilaster, Add</i>	152.30	



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	199.61 14.22 26.88 172.38	13.62
10 21	13 16-0063		83" Long, Laminated Plastic, Toilet Partition Pilasters <small>(10 21 13 16-0032)</small>		
10 21	13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	155.32 11.85 26.88 143.65	5.83
10 21	13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	171.48 13.02 26.88 157.86	6.80
10 21	13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	173.42 13.02 26.88 157.86	7.78
10 21	13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	187.41 14.02 26.88 169.91	8.75
10 21	13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	204.50 15.27 26.88 185.05	9.72
10 21	13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	218.18 16.24 26.88 196.79	10.70
10 21	13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	272.49 20.55 26.88 249.15	11.67
10 21	13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	310.74 23.55 26.88 285.45	12.64
10 21	13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	318.55 24.03 26.88 291.32	13.62
10 21	13 19		Plastic Toilet Compartments <small>(10 21 13)</small>		
10 21	13 19-0001		Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21	13 19-0002		Recycled Solid Plastic (HDPE) Toilet Partitions <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors.		
10 21	13 19-0003		Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0002)</small> Note: Includes headrail.		
10 21	13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,058.56 -95.16 97.00 589.99	53.48
10 21	13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,316.97 97.00 745.38	57.38
10 21	13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,466.31 97.00 835.56	59.32
10 21	13 19-0007		Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0002)</small> Note: Excludes above ceiling steel.		
10 21	13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,041.97 -91.56 97.00 567.64	63.20
10 21	13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,323.65 97.00 737.46	67.10

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0010	EA		60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,473.00	69.04
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	97.00	
			<i>For NFPA Class A, Add</i>	827.64	
10 21 13 19-0011			Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions ^(10 21 13 19-0002)		
			Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA		36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,082.18	72.94
			<i>For >10, Deduct</i>	-93.63	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	97.00	
			<i>For NFPA Class A, Add</i>	580.51	
10 21 13 19-0013	EA		60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,299.78	76.82
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	97.00	
			<i>For NFPA Class A, Add</i>	710.61	
10 21 13 19-0014	EA		60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,449.14	78.77
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	97.00	
			<i>For NFPA Class A, Add</i>	800.79	
10 21 13 19-0015			Recycled Solid Plastic (HDPE) Urinal Screens ^(10 21 13 19-0001)		
			Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016			Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens ^(10 21 13 19-0015)		
10 21 13 19-0017	EA		18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	228.94	23.32
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	113.03	
10 21 13 19-0018	EA		24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	240.01	25.27
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	117.48	
10 21 13 19-0019			Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens ^(10 21 13 19-0015)		
10 21 13 19-0020	EA		18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	298.31	25.27
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	153.63	
10 21 13 19-0021	EA		24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	384.79	27.21
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	204.84	
10 21 13 19-0022	EA		30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	429.35	29.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	230.05	
10 21 13 19-0023			Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens ^(10 21 13 19-0015)		
10 21 13 19-0024	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	302.20	27.21
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	153.63	
10 21 13 19-0025	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	388.68	29.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	204.84	
10 21 13 19-0026	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	466.96	31.09
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	250.96	
10 21 13 19-0027			Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters ^(10 21 13 19-0001)		
			Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0028			Recycled Solid Plastic (HDPE), Toilet Partition Doors ^(10 21 13 19-0027)		
10 21 13 19-0029	EA		24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	260.49	7.78
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	43.25	
			<i>For NFPA Class A, Add</i>	151.86	
10 21 13 19-0030	EA		26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	282.78	7.78
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	43.25	
			<i>For NFPA Class A, Add</i>	165.68	
10 21 13 19-0031	EA		30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	306.85	8.75
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	43.25	
			<i>For NFPA Class A, Add</i>	179.40	
10 21 13 19-0032	EA		34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	351.96	8.75
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	43.25	
			<i>For NFPA Class A, Add</i>	207.37	
10 21 13 19-0033	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	362.63	8.75
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	43.25	
			<i>For NFPA Class A, Add</i>	213.98	
10 21 13 19-0034			Recycled Solid Plastic (HDPE), Toilet Partition Panels ^(10 21 13 19-0027)		
10 21 13 19-0035	EA		6" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel	77.63	11.67
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	33.66	



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	133.87 26.88 67.32	12.64
10 21	13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	190.09 26.88 100.97	13.62
10 21	13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	224.05 26.88 120.83	14.59
10 21	13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	274.72 26.88 151.03	15.56
10 21	13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	293.71 26.88 161.60	16.54
10 21	13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	331.46 26.88 183.80	17.50
10 21	13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	375.75 26.88 210.05	18.47
10 21	13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	411.60 26.88 231.07	19.45
10 21	13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	420.58 26.88 236.16	19.84
10 21	13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	434.89 26.88 244.31	20.42
10 21	13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	494.32 26.88 279.95	21.39
10 21	13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	533.89 26.88 303.28	22.37
10 21	13 19-0048		82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21	13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	116.25 26.88 64.84	5.83
10 21	13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	128.68 26.88 71.34	6.80
10 21	13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	139.27 26.88 76.70	7.78
10 21	13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	148.95 26.88 81.50	8.75
10 21	13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	167.41 26.88 91.74	9.72
10 21	13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	185.85 26.88 101.97	10.70
10 21	13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	260.24 26.88 146.88	11.67
10 21	13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	295.13 26.88 167.30	12.64
10 21	13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	321.59 26.88 182.50	13.62
10 21	13 19-0058		96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21	13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	140.82 26.88 77.66	7.78
10 21	13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	154.68 26.88 85.05	8.75
10 21	13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	170.23 26.88 93.48	9.72
10 21	13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	193.43 26.88 106.66	10.70
10 21	13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	216.87 26.88 119.99	11.67
10 21	13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	240.07 26.88 133.16	12.64

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0065	EA		18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	312.07 26.88 176.60	13.62
10 21 13 19-0066	EA		22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	350.27 26.88 199.08	14.59
10 21 13 19-0067	EA		24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	381.41 26.88 217.18	15.56
10 21 13 19-0068			Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0069			Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070			Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0070)</small> Note: Includes headrail.		
10 21 13 19-0071	EA		36" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,391.62 -128.47 97.00 796.49	53.48
10 21 13 19-0072	EA		60" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,737.75 97.00 1,006.26	57.38
10 21 13 19-0073	EA		60" x 78", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,938.01 97.00 1,128.02	59.32
10 21 13 19-0074			Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0074)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA		36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,362.41 -123.60 97.00 766.31	63.20
10 21 13 19-0076	EA		60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,739.95 97.00 995.57	67.10
10 21 13 19-0077	EA		60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,940.21 97.00 1,117.31	69.04
10 21 13 19-0078			Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0078)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA		36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,409.90 -126.40 97.00 783.70	72.94
10 21 13 19-0080	EA		60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,700.92 97.00 959.31	76.82
10 21 13 19-0081	EA		60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,901.20 97.00 1,081.07	78.77
10 21 13 19-0082			Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens <small>(10 21 13 19-0082)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083			Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0083)</small>		
10 21 13 19-0084	EA		18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	292.74 26.88 152.58	23.32
10 21 13 19-0085	EA		24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	303.99 26.88 157.15	25.27



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0086 Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0087 EA 18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	496.53 26.88 276.53	25.27
10 21 13 19-0088 EA 24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	567.50 26.88 318.12	27.21
10 21 13 19-0089 EA 30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	604.75 26.88 338.80	29.15
10 21 13 19-0090 Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0091 EA 24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	388.92 26.88 207.40	27.21
10 21 13 19-0092 EA 36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	504.31 26.88 276.53	29.15
10 21 13 19-0093 EA 48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	608.63 26.88 338.80	31.09
10 21 13 19-0094 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0068)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095 Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0094)</small>		
10 21 13 19-0096 EA 24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	346.22 43.25 205.01	7.78
10 21 13 19-0097 EA 26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	376.32 43.25 223.67	7.78
10 21 13 19-0098 EA 30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	408.12 43.25 242.18	8.75
10 21 13 19-0099 EA 34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	469.03 43.25 279.95	8.75
10 21 13 19-0100 EA 36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	483.43 43.25 288.88	8.75
10 21 13 19-0101 Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0094)</small>		
10 21 13 19-0102 EA 6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	96.62 26.88 45.43	11.67
10 21 13 19-0103 EA 12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	171.87 26.88 90.88	12.64
10 21 13 19-0104 EA 18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	247.10 26.88 136.32	13.62
10 21 13 19-0105 EA 24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	292.25 26.88 163.11	14.59
10 21 13 19-0106 EA 30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	359.98 26.88 203.89	15.56
10 21 13 19-0107 EA 36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	384.93 26.88 218.16	16.54
10 21 13 19-0108 EA 42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	435.21 26.88 248.12	17.50
10 21 13 19-0109 EA 48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	494.33 26.88 283.57	18.47
10 21 13 19-0110 EA 55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	542.04 26.88 311.95	19.45
10 21 13 19-0111 EA 58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	553.90 26.88 318.82	19.84
10 21 13 19-0112 EA 60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	572.79 26.88 329.81	20.42
10 21 13 19-0113 EA 70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	652.36 26.88 377.93	21.39

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0114	EA		78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	705.09 26.88 409.42	22.37
10 21 13 19-0115			82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition		
			Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0116	EA		Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	152.85 26.88 87.53	5.83
10 21 13 19-0117	EA		5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	168.96 26.88 96.31	6.80
10 21 13 19-0118	EA		6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	182.57 26.88 103.55	7.78
10 21 13 19-0119	EA		8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	211.09 26.88 120.03	8.75
10 21 13 19-0120	EA		10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	237.36 26.88 135.10	9.72
10 21 13 19-0121	EA		12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	263.59 26.88 150.16	10.70
10 21 13 19-0122	EA		18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	343.15 26.88 198.28	11.67
10 21 13 19-0123	EA		22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	389.57 26.88 225.85	12.64
10 21 13 19-0124	EA		24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	424.62 26.88 246.38	13.62
10 21 13 19-0125			96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition		
			Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0126	EA		Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	184.66 26.88 104.84	7.78
10 21 13 19-0127	EA		5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	202.70 26.88 114.82	8.75
10 21 13 19-0128	EA		6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	223.02 26.88 126.21	9.72
10 21 13 19-0129	EA		8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	253.65 26.88 144.00	10.70
10 21 13 19-0130	EA		10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	284.61 26.88 161.99	11.67
10 21 13 19-0131	EA		12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	315.24 26.88 179.77	12.64
10 21 13 19-0132	EA		18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	411.78 26.88 238.42	13.62
10 21 13 19-0133	EA		22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	462.65 26.88 268.76	14.59
10 21 13 19-0134	EA		24 x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	504.01 26.88 293.19	15.56
10 21 13 19-0135			Solid Phenolic Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small>		
			Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
10 21 13 19-0136			Solid Phenolic Toilet Partitions <small>(10 21 13 19-0135)</small>		
			Note: Includes all standard Bobrick colors.		
10 21 13 19-0137			Floor Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138	EA		36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	865.70 -77.82 97.00 167.79	43.76
10 21 13 19-0139	EA		60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,067.49 97.00 208.92	47.65



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0140 EA 60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,194.33 97.00 234.94	49.60
10 21 13 19-0141 Overhead Braced, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136) Note: Includes headrail.		
10 21 13 19-0142 EA 36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	957.89 -85.09 97.00 184.04	53.48
10 21 13 19-0143 EA 60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,167.80 97.00 226.88	57.38
10 21 13 19-0144 EA 60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,300.82 97.00 254.19	59.32
10 21 13 19-0145 Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136) Note: Excludes above ceiling steel.		
10 21 13 19-0146 EA 36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	984.00 -85.76 97.00 186.41	63.20
10 21 13 19-0147 EA 60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,192.39 97.00 228.93	67.10
10 21 13 19-0148 EA 60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,319.23 97.00 254.94	69.04
10 21 13 19-0149 Ceiling Hung, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136) Note: Excludes above ceiling steel.		
10 21 13 19-0150 EA 36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	963.76 -81.79 97.00 179.05	72.94
10 21 13 19-0151 EA 60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,165.38 97.00 220.15	76.82
10 21 13 19-0152 EA 60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,292.23 97.00 246.16	78.77
10 21 13 19-0153 Solid Phenolic Urinal Screens (10 21 13 19-0135) Note: Includes all standard Bobrick colors.		
10 21 13 19-0154 Floor Anchored, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0155 EA 24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	308.04 26.88 55.98	27.21
10 21 13 19-0156 EA 36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	349.31 26.88 64.03	29.15
10 21 13 19-0157 EA 48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	421.46 26.88 78.56	31.09
10 21 13 19-0158 Wall Hung, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0159 EA 18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	193.07 26.88 33.08	23.32
10 21 13 19-0160 EA 24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	224.75 26.88 39.11	25.27
10 21 13 19-0161 EA 30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	272.24 26.88 48.46	27.21
10 21 13 19-0162 Wall Hung And Post Supported, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0163 EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	195.05 26.88 32.88	25.27
10 21 13 19-0164 EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	247.11 26.88 43.19	27.21

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0165	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	290.61 26.88 51.70	29.15
10 21 13 19-0166			Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0167	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	318.77 26.88 58.86	25.27
10 21 13 19-0168	EA		36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	360.30 26.88 66.96	27.21
10 21 13 19-0169	EA		48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	433.85 26.88 81.78	29.15
10 21 13 19-0170			Solid Phenolic Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0171			Solid Phenolic, Toilet Partition Doors <small>(10 21 13 19-0170)</small>		
10 21 13 19-0172	EA		24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	237.37 43.25 47.36	7.78
10 21 13 19-0173	EA		26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	245.71 43.25 49.11	7.78
10 21 13 19-0174	EA		30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	269.05 43.25 53.70	8.75
10 21 13 19-0175	EA		34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	290.80 43.25 58.27	8.75
10 21 13 19-0176	EA		36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	313.14 43.25 62.96	8.75
10 21 13 19-0177			Solid Phenolic, Toilet Partition Panels <small>(10 21 13 19-0170)</small>		
10 21 13 19-0178	EA		6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	69.57 26.88 10.88	11.67
10 21 13 19-0179	EA		12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	94.61 26.88 15.82	12.64
10 21 13 19-0180	EA		18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	131.20 26.88 23.20	13.62
10 21 13 19-0181	EA		24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	168.19 26.88 30.65	14.59
10 21 13 19-0182	EA		30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	188.00 26.88 34.50	15.56
10 21 13 19-0183	EA		36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	208.84 26.88 38.57	16.54
10 21 13 19-0184	EA		42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	244.84 26.88 45.81	17.50
10 21 13 19-0185	EA		48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	281.94 26.88 53.29	18.47
10 21 13 19-0186	EA		55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	300.87 26.88 56.96	19.45
10 21 13 19-0187	EA		58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	309.36 26.88 58.62	19.84
10 21 13 19-0188	EA		60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	315.17 26.88 59.65	20.42
10 21 13 19-0189	EA		70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	364.07 26.88 69.61	21.39
10 21 13 19-0190	EA		78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	442.01 26.88 85.67	22.37
10 21 13 19-0191			69" Long, Solid Phenolic, Toilet Partition Pilasters <small>(10 21 13 19-0170)</small>		
10 21 13 19-0192	EA		Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	111.45 12.47 26.88 21.54	5.83



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	128.23 14.33 26.88 24.75	6.80
10 21	13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	130.17 14.33 26.88 24.85	7.78
10 21	13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	150.96 16.68 26.88 28.90	8.75
10 21	13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	169.90 18.81 26.88 32.57	9.72
10 21	13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	188.83 20.93 26.88 36.23	10.70
10 21	13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	242.99 27.46 26.88 47.29	11.67
10 21	13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	299.62 34.29 26.88 58.87	12.64
10 21	13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	314.53 35.91 26.88 61.69	13.62
10 21	13 19-0201		83" Long, Solid Phenolic, Toilet Partition Pilasters <small>(10 21 13 19-0170)</small>		
10 21	13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	122.57 13.86 26.88 23.87	5.83
10 21	13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	143.68 16.26 26.88 27.99	6.80
10 21	13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	145.62 16.26 26.88 28.09	7.78
10 21	13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	168.87 18.92 26.88 32.66	8.75
10 21	13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	190.90 21.43 26.88 36.98	9.72
10 21	13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	213.08 23.96 26.88 41.32	10.70
10 21	13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	279.13 31.97 26.88 54.88	11.67
10 21	13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	333.45 38.52 26.88 65.98	12.64
10 21	13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	350.53 40.41 26.88 69.25	13.62
10 21	13 19-0211		96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters <small>(10 21 13 19-0170)</small>		
10 21	13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	137.59 15.25 26.88 26.40	7.78
10 21	13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	163.00 18.19 26.88 31.43	8.75
10 21	13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	164.95 18.19 26.88 31.53	9.72

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0215	EA		8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	190.68	10.70
			<i>For 1" Pilaster, Add</i>	21.16	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	36.62	
10 21 13 19-0216	EA		10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	215.80	11.67
			<i>For 1" Pilaster, Add</i>	24.06	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	41.58	
10 21 13 19-0217	EA		12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	241.23	12.64
			<i>For 1" Pilaster, Add</i>	26.99	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	46.61	
10 21 13 19-0218	EA		16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	319.16	13.62
			<i>For 1" Pilaster, Add</i>	36.49	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	62.67	
10 21 13 19-0219	EA		20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	371.15	14.59
			<i>For 1" Pilaster, Add</i>	42.75	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	73.27	
10 21 13 19-0220	EA		24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	390.40	15.56
			<i>For 1" Pilaster, Add</i>	44.91	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
			<i>For NFPA Class A, Add</i>	77.00	
10 21 13 19-0221			Solid Polyester (Corian) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0222			Solid Polyester (Corian) Toilet Partitions <small>(10 21 13 19-0221)</small> Note: Small particulate finish.		
10 21 13 19-0223			Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
10 21 13 19-0224	EA		36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	2,890.37	43.76
			<i>For >10, Deduct</i>	-280.29	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-644.66	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	97.00	
10 21 13 19-0225	EA		60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,500.87	47.65
			<i>For Solid Color Material (No Particulate), Deduct</i>	-783.28	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	97.00	
10 21 13 19-0226	EA		60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,888.78	49.60
			<i>For Solid Color Material (No Particulate), Deduct</i>	-871.61	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	97.00	
10 21 13 19-0227			Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
10 21 13 19-0228	EA		36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	2,986.16	53.48
			<i>For >10, Deduct</i>	-287.92	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-662.22	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	97.00	
10 21 13 19-0229	EA		60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,948.76	57.38
			<i>For Solid Color Material (No Particulate), Deduct</i>	-881.82	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	97.00	
10 21 13 19-0230	EA		60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,379.66	59.32
			<i>For Solid Color Material (No Particulate), Deduct</i>	-980.04	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	97.00	
10 21 13 19-0231			Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0222)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA		36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	3,338.64	63.20
			<i>For >10, Deduct</i>	-321.22	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-738.81	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	97.00	
10 21 13 19-0233	EA		60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,519.21	67.10
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,008.55	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	97.00	
10 21 13 19-0234	EA		60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,949.79	69.04
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,106.69	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	97.00	
10 21 13 19-0235			Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0222)</small> Note: Excludes above ceiling steel.		



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0236	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,353.96 -320.81 -737.86 97.00	72.94
10 21	13 19-0237	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	4,316.90 -957.55 97.00	76.82
10 21	13 19-0238	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	4,747.47 -1,055.68 97.00	78.77
10 21	13 19-0239		Solid Polyester (Corian) Urinal Screens <small>(10 21 13 19-0221)</small>		
10 21	13 19-0240		Floor Anchored, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21	13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	767.35 -163.98 26.88	27.21
10 21	13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,027.26 -222.86 26.88	29.15
10 21	13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,287.16 -281.75 26.88	31.09
10 21	13 19-0244		Wall Hung, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21	13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	374.10 -75.32 26.88	23.32
10 21	13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	487.12 -100.42 26.88	25.27
10 21	13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	600.17 -125.52 26.88	27.21
10 21	13 19-0248		Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21	13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	499.69 -103.31 26.88	25.27
10 21	13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	631.59 -132.75 26.88	27.21
10 21	13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	763.49 -162.19 26.88	29.15
10 21	13 19-0252		Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21	13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	791.36 -170.39 26.88	25.27
10 21	13 19-0254	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,051.27 -229.28 26.88	27.21
10 21	13 19-0255	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,311.18 -288.16 26.88	29.15
10 21	13 19-0256		Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0221)</small> See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21	13 19-0257		Solid Polyester (Corian), Toilet Partition Doors <small>(10 21 13 19-0256)</small>		
10 21	13 19-0258	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	634.26 -142.30 43.25	7.78
10 21	13 19-0259	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	678.48 -152.47 43.25	7.78
10 21	13 19-0260	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	773.94 -173.98 43.25	8.75
10 21	13 19-0261	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	865.19 -194.97 43.25	8.75
10 21	13 19-0262	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	904.90 -204.10 43.25	8.75
10 21	13 19-0263		Solid Polyester (Corian), Toilet Partition Panels <small>(10 21 13 19-0256)</small>		

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 21 13 19-0264	EA 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	151.34	11.67
	<i>For Solid Color Material (No Particulate), Deduct</i>	-29.44	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0265	EA 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	281.31	12.64
	<i>For Solid Color Material (No Particulate), Deduct</i>	-58.88	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0266	EA 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	411.25	13.62
	<i>For Solid Color Material (No Particulate), Deduct</i>	-88.32	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0267	EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	541.21	14.59
	<i>For Solid Color Material (No Particulate), Deduct</i>	-117.77	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0268	EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	671.16	15.56
	<i>For Solid Color Material (No Particulate), Deduct</i>	-147.21	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0269	EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	801.10	16.54
	<i>For Solid Color Material (No Particulate), Deduct</i>	-176.65	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0270	EA 42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	931.07	17.50
	<i>For Solid Color Material (No Particulate), Deduct</i>	-206.09	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0271	EA 48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,061.02	18.47
	<i>For Solid Color Material (No Particulate), Deduct</i>	-235.53	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0272	EA 55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,212.30	19.45
	<i>For Solid Color Material (No Particulate), Deduct</i>	-269.88	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0273	EA 58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,277.09	19.84
	<i>For Solid Color Material (No Particulate), Deduct</i>	-284.61	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0274	EA 60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,320.92	20.42
	<i>For Solid Color Material (No Particulate), Deduct</i>	-294.42	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0275	EA 70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,536.21	21.39
	<i>For Solid Color Material (No Particulate), Deduct</i>	-343.49	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0276	EA 78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,708.83	22.37
	<i>For Solid Color Material (No Particulate), Deduct</i>	-382.74	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	

10 21 13 19-0277 72" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0256)

10 21 13 19-0278	EA Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	212.57	5.83
	<i>For Solid Color Material (No Particulate), Deduct</i>	-46.21	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0279	EA 5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	264.75	6.80
	<i>For Solid Color Material (No Particulate), Deduct</i>	-57.76	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0280	EA 6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	316.91	7.78
	<i>For Solid Color Material (No Particulate), Deduct</i>	-69.31	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0281	EA 8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	419.32	8.75
	<i>For Solid Color Material (No Particulate), Deduct</i>	-92.42	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0282	EA 10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	521.72	9.72
	<i>For Solid Color Material (No Particulate), Deduct</i>	-115.52	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0283	EA 12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	624.11	10.70
	<i>For Solid Color Material (No Particulate), Deduct</i>	-138.63	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0284	EA 18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	927.41	11.67
	<i>For Solid Color Material (No Particulate), Deduct</i>	-207.94	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0285	EA 22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,130.27	12.64
	<i>For Solid Color Material (No Particulate), Deduct</i>	-254.15	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0286	EA 24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,232.66	13.62
	<i>For Solid Color Material (No Particulate), Deduct</i>	-277.25	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	

10 21 13 19-0287 82" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0256)

10 21 13 19-0288	EA Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	240.47	5.83
	<i>For Solid Color Material (No Particulate), Deduct</i>	-52.62	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0289	EA 5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	299.64	6.80
	<i>For Solid Color Material (No Particulate), Deduct</i>	-65.78	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0290	EA 6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	352.23	7.78
	<i>For Solid Color Material (No Particulate), Deduct</i>	-77.43	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0291	EA 8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	483.84	8.75
	<i>For Solid Color Material (No Particulate), Deduct</i>	-107.26	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	
10 21 13 19-0292	EA 10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	591.47	9.72
	<i>For Solid Color Material (No Particulate), Deduct</i>	-131.56	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	26.88	



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0293	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	707.81 -157.88 26.88	10.70
10 21	13 19-0294	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,052.98 -236.82 26.88	11.67
10 21	13 19-0295	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,283.75 -289.45 26.88	12.64
10 21	13 19-0296	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,400.09 -315.76 26.88	13.62
10 21 13 19-0297 96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0256)					
10 21	13 19-0298	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	316.91 -69.31 26.88	7.78
10 21	13 19-0299	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	394.20 -86.64 26.88	8.75
10 21	13 19-0300	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	471.49 -103.97 26.88	9.72
10 21	13 19-0301	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	624.11 -138.63 26.88	10.70
10 21	13 19-0302	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	776.73 -173.28 26.88	11.67
10 21	13 19-0303	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	929.36 -207.94 26.88	12.64
10 21	13 19-0304	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,383.34 -311.91 26.88	13.62
10 21	13 19-0305	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,686.65 -381.22 26.88	14.59
10 21	13 19-0306	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,839.27 -415.87 26.88	15.56
10 21 13 43 Compartments and Cubicles Common Accessories (10 21 13)					
10 21 13 43-0001 Accessories (10 21 13 43)					
10 21	13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	7.65	0.78
10 21	13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	12.43	0.78
10 21	13 43-0004	EA	Replacement 1-1/2" x 58" Stainless Steel Wall Posts	83.67	
10 21	13 43-0005	EA	Replacement 58" Aluminum Wall U Bracket	39.75	
10 21	13 43-0006	EA	Replacement 58" Aluminum Wall Two Ear Bracket	66.81	
10 21	13 43-0007	EA	Replacement 54" Stainless Steel Wall U Bracket	62.56	
10 21	13 43-0008	EA	Replacement 54" Stainless Steel Wall Two Ear Bracket	162.18	
10 21	13 43-0009	EA	Replacement 54" Plastic Wall Two Ear Bracket, All Colors	95.92	
10 21	13 43-0010	EA	Replacement 57-1/2" Stainless Steel Hinge	93.99	
10 21 16 Shower And Dressing Compartments (10 21)					
10 21 16 13 Metal Shower And Dressing Compartments (10 21 16)					
10 21 16 13-0001 Porcelain Enamel Shower Changing Compartment, Floor Mounted (10 21 16 13)					
10 21	16 13-0002	EA	Porcelain Enamel Shower, Single Opening Steel Compartment, Floor Mounted <i>For Overhead Bracing, Add</i> <i>For Ceiling Hung Types, Add</i>	4,789.78 266.56 429.00	129.95
10 21	16 13-0003	EA	Porcelain Enamel Shower, Double Opening Steel Compartment, Floor Mounted <i>For Overhead Bracing, Add</i> <i>For Ceiling Hung Types, Add</i>	7,442.08 385.64 466.86	64.97
10 21 16 13-0004 Baked Enamel Shower Changing Compartment, Floor Mounted (10 21 16 13)					
10 21	16 13-0005	EA	Baked Enamel Shower, Single Opening Steel Compartment, Floor Mounted <i>For Overhead Bracing, Add</i> <i>For Ceiling Hung Types, Add</i>	1,646.30 95.85 177.07	64.97
10 21	16 13-0006	EA	Baked Enamel Shower, Double Opening Steel Compartment, Floor Mounted <i>For Overhead Bracing, Add</i> <i>For Ceiling Hung Types, Add</i>	4,238.76 225.47 306.69	64.97
10 21 16 14 Stainless-Steel Shower and Dressing Compartments (10 21 16)					
10 21 16 14-0001 Stainless Steel Shower Changing Compartment, Floor Mounted (10 21 16 14)					
10 21	16 14-0002	EA	Stainless Steel Shower, Single Opening, Floor Mounted <i>For Overhead Bracing, Add</i> <i>For Ceiling Hung Types, Add</i>	3,282.12 177.64 258.86	64.97

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 21 16 14-0003	EA	Stainless Steel Shower, Double Opening, Floor Mounted	8,146.05	64.97
		<i>For Overhead Bracing, Add</i>	420.84	
		<i>For Ceiling Hung Types, Add</i>	502.05	

10 21 16 17 Phenolic-Core Shower and Dressing Compartments (10 21 16)**10 21 16 17-0001 Shower Dividers (10 21 16 17)****10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 17-0001)**

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	585.44	48.63
		<i>For 66" High Panels, Add</i>	73.23	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	755.96	52.51
		<i>For 66" High Panels, Add</i>	97.64	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,000.11	58.35
		<i>For 66" High Panels, Add</i>	132.51	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,182.28	68.07
		<i>For 66" High Panels, Add</i>	156.92	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,364.47	77.79
		<i>For 66" High Panels, Add</i>	181.33	

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track (10 21 16 17-0001)

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	1,488.26	85.46
		<i>For 66" High Panels, Add</i>	214.69	
		<i>For 6" Wide Head Rail, Add</i>	41.23	
		<i>For 8" Wide Head Rail, Add</i>	56.11	
		<i>For 10" Wide Head Rail, Add</i>	69.29	
		<i>For 12" Wide Head Rail, Add</i>	83.31	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	102.09	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	142.09	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	1,865.62	93.32
		<i>For 66" High Panels, Add</i>	270.51	
		<i>For 6" Wide Head Rail, Add</i>	52.24	
		<i>For 8" Wide Head Rail, Add</i>	70.89	
		<i>For 10" Wide Head Rail, Add</i>	87.68	
		<i>For 12" Wide Head Rail, Add</i>	105.40	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	103.66	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	143.66	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,394.05	99.23
		<i>For 66" High Panels, Add</i>	349.18	
		<i>For 6" Wide Head Rail, Add</i>	67.85	
		<i>For 8" Wide Head Rail, Add</i>	91.79	
		<i>For 10" Wide Head Rail, Add</i>	113.75	
		<i>For 12" Wide Head Rail, Add</i>	136.70	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	104.85	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	144.85	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,546.78	111.01
		<i>For 66" High Panels, Add</i>	370.92	
		<i>For 6" Wide Head Rail, Add</i>	71.96	
		<i>For 8" Wide Head Rail, Add</i>	97.43	
		<i>For 10" Wide Head Rail, Add</i>	120.68	
		<i>For 12" Wide Head Rail, Add</i>	145.04	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	107.20	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	147.20	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,927.67	120.66
		<i>For 66" High Panels, Add</i>	427.09	
		<i>For 6" Wide Head Rail, Add</i>	83.00	
		<i>For 8" Wide Head Rail, Add</i>	112.28	
		<i>For 10" Wide Head Rail, Add</i>	139.14	
		<i>For 12" Wide Head Rail, Add</i>	167.21	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	109.13	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	149.13	

10 21 16 19 Plastic Shower And Dressing Compartments (10 21 16)**10 21 16 19-0001 Plastic Shower Changing Compartment, Floor Mounted (10 21 16 19)**

10 21 16 19-0002	EA	Plastic Shower, Single Opening Compartment, Floor Mounted	897.11	64.97
		<i>For Overhead Bracing, Add</i>	58.39	
		<i>For Ceiling Hung Types, Add</i>	139.61	
10 21 16 19-0003	EA	Plastic Shower, Double Opening Compartment, Floor Mounted	3,686.20	64.97
		<i>For Overhead Bracing, Add</i>	197.85	
		<i>For Ceiling Hung Types, Add</i>	279.06	

10 22 Partitions (10 20)**10 22 13 Wire Mesh Partitions (10 22)****10 22 13 00-0001 Wall Panels (10 22 13)**

Note: Includes steel frame and posts. Posts bolted to floor.



Specialties	10
Interior Specialties	10 20
Partitions	10 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22	13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts <i>For 5' Wide Panels, Add</i>	7.18 0.31	0.49
10 22	13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts <i>For 5' Wide Panels, Add</i>	7.91 0.34	0.59
10 22	13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts <i>For 5' Wide Panels, Add</i>	8.86 0.38	0.68
10 22 13 00-0005 Ceiling Panels <small>(10 22 13)</small>					
Note: Includes steel frame.					
10 22	13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	7.36	0.59
10 22	13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	8.08	0.68
10 22	13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	8.92	0.78
10 22 13 00-0009 Sliding Doors <small>(10 22 13)</small>					
Note: Includes padlocks lugs and/or provisions for cylinder lock.					
10 22	13 00-0010	EA	4' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	612.04 71.39 142.77	102.11
10 22	13 00-0011	EA	4' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	638.97 73.28 146.57	112.80
10 22	13 00-0012	EA	5' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	706.19 82.59 165.18	116.70
10 22	13 00-0013	EA	5' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	771.26 90.41 180.81	126.42
10 22	13 00-0014	EA	6' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	793.74 92.22 184.44	134.20
10 22	13 00-0015	EA	6' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	879.81 103.58 207.15	141.97
10 22	13 00-0016	EA	8' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	945.44 111.28 222.56	152.67
10 22	13 00-0017	EA	8' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,036.47 123.57 247.15	159.48
10 22	13 00-0018	EA	10' x 8' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,042.87 123.76 247.51	163.37
10 22	13 00-0019	EA	10' x 10' Sliding Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,159.09 139.24 278.49	173.10
10 22 13 00-0020 Swing Doors <small>(10 22 13)</small>					
10 22 13 00-0021 Single Swing Door <small>(10 22 13 00-0020)</small>					
10 22	13 00-0022	EA	3' x 7' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	424.12 50.65 101.31	60.30
10 22	13 00-0023	EA	3' x 8' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	458.26 55.13 110.25	68.07
10 22	13 00-0024	EA	3' x 9' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	492.31 59.45 118.91	71.96
10 22	13 00-0025	EA	4' x 7' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	477.71 56.10 112.20	77.79
10 22	13 00-0026	EA	4' x 8' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	513.14 60.63 121.27	81.69
10 22	13 00-0027	EA	4' x 9' Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	535.92 63.27 126.55	85.57
10 22	13 00-0028	EA	4' x 7' Dutch Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	657.52 83.07 166.14	77.79
10 22	13 00-0029	EA	4' x 8' Dutch Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	698.58 88.45 176.90	81.69
10 22 13 00-0030 Double Swing Doors <small>(10 22 13 00-0020)</small>					
10 22	13 00-0031	EA	6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	676.98 82.10 164.20	97.24
10 22	13 00-0032	EA	6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	688.65 82.68 165.36	103.08
10 22	13 00-0033	EA	6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	985.11 125.98 251.97	108.91



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 22 13 00-0034	EA	8 x 7'	Double Swing Door, 10 Gauge With Cylinder Lock.....	715.87	116.70
			<i>For 8 Gauge, Add</i>	84.04	
			<i>For 6 Gauge, Add</i>	168.09	
10 22 13 00-0035	EA	8 x 8'	Double Swing Door, 10 Gauge With Cylinder Lock.....	727.54	122.53
			<i>For 8 Gauge, Add</i>	84.63	
			<i>For 6 Gauge, Add</i>	169.25	
10 22 13 00-0036	EA	8 x 9'	Double Swing Door, 10 Gauge With Cylinder Lock.....	1,024.00	128.37
			<i>For 8 Gauge, Add</i>	127.93	
			<i>For 6 Gauge, Add</i>	255.86	

10 22 19 Demountable Partitions (10 22)**10 22 19 13 Demountable Metal Partitions (10 22 19)**

10 22 19 13-0001	LF	Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5".....	80.50	6.19
		<i>For >9, Add 10.06</i>		
10 22 19 13-0002	LF	Demountable Partition, 1.75 System, Aluminum Frame, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5".....	71.22	4.93
		<i>For >9, Add 8.90</i>		
10 22 19 13-0003	LF	Demountable Partition, 1.75 System, Aluminum Frame, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5".....	61.94	3.71
		<i>For >9, Add 7.74</i>		
10 22 19 13-0004	LF	Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 9' High, 48" Wide, Backed Enamel.....	161.86	4.93
		<i>For >9, Add 20.23</i>		
10 22 19 13-0005	LF	Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 9' High, 48" Wide, Fabric.....	243.45	5.30
		<i>For >9, Add 30.43</i>		

10 22 19 43 Demountable Composite Partitions (10 22 19)

10 22 19 43-0001	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad.....	128.15	6.19
		<i>For >9, Add 16.02</i>		
10 22 19 43-0002	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad.....	161.65	6.74
		<i>For >9, Add 20.21</i>		
10 22 19 43-0003	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick.....	27.36	0.92
		<i>For Acoustical Partitions, Add</i>	2.55	
10 22 19 43-0004	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick.....	33.76	1.55
		<i>For Acoustical Partitions, Add</i>	3.06	
10 22 19 43-0005	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick.....	29.18	0.96
		<i>For Acoustical Partitions, Add</i>	2.72	
10 22 19 43-0006	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick.....	41.82	1.33
		<i>For Acoustical Partitions, Add</i>	3.92	

10 22 19 53 Demountable Gypsum Partitions (10 22 19)

10 22 19 53-0001	LF	Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 9' High, 3" To 3-3/4" Thick, Vinyl Clad.....	82.54	6.19
		<i>For >9, Add 10.32</i>		
10 22 19 53-0002	LF	Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 9' High, 3" To 3-3/4" Thick, Fabric Clad.....	155.67	6.74
		<i>For >9, Add 19.46</i>		
10 22 19 53-0003	LF	Demountable Partition Gypsum System, On 2" To 2-1/2", Steel Standard, 9' High, 3" To 3-3/4" Thick.....	166.84	7.41
		<i>For >9, Add 20.86</i>		
10 22 19 53-0004	LF	Demountable Partition Gypsum System, Unitized Panel, 9' High, 2" To 2-1/2" Thick, Vinyl Clad.....	102.60	6.19
		<i>For >9, Add 12.83</i>		
10 22 19 53-0005	LF	Demountable Partition Gypsum System, Unitized Panel, 9' High, 2" To 2-1/2" Thick, Fabric Clad.....	175.27	6.74
		<i>For >9, Add 21.91</i>		

10 22 19 71 Remove And Store Demountable Partitions (10 22 19)

10 22 19 71-0001	LF	Removal, Storage And Reinstallation Of Up To 10' Demountable Partitions.....	27.23	
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10 22 23 Portable Partitions, Screens, And Panels (10 22)

Note: Cubicle prices include standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

10 22 23 00-0001 Portable Partitions (10 22 23)

10 22 23 00-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High.....	167.74	2.97
10 22 23 00-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High.....	178.61	3.30
10 22 23 00-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High.....	212.30	3.96
10 22 23 00-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High.....	124.33	1.71
10 22 23 00-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High.....	131.70	1.96
10 22 23 00-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High.....	147.82	2.37
10 22 23 00-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High.....	126.30	1.82
10 22 23 00-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High.....	224.60	3.30
10 22 23 00-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High.....	246.36	3.96
10 22 23 00-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High.....	130.53	2.27
10 22 23 00-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High.....	148.37	2.63
10 22 23 00-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High.....	119.77	1.96
10 22 23 00-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High.....	134.19	2.37
10 22 23 00-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High.....	199.05	3.30
10 22 23 00-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High.....	224.22	3.96
10 22 23 00-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High.....	202.46	3.30
10 22 23 00-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High.....	246.36	3.96
10 22 23 00-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High.....	157.25	1.96
10 22 23 00-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High.....	176.77	2.37
10 22 23 00-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High.....	166.33	1.82
10 22 23 00-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High.....	198.48	2.15



Specialties	10	10
Interior Specialties	10 20	
Partitions	10 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 00-0023	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High.....	94.77	2.27
10 22 23 00-0024	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High.....	111.75	2.63
10 22 23 00-0025	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High.....	100.98	2.37
10 22 23 00-0026	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High.....	73.50	1.82
10 22 23 00-0027	LF		Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side.....	120.56	2.37
10 22 23 00-0028	LF		Partitions, Portable, Metal Chalkboard, 2 Sides.....	137.80	2.48
10 22 23 00-0029	LF		Partitions, Portable, Tackboard, Both Sides.....	110.42	2.41

10 22 33 Accordion Folding Partitions (10 22)

10 22 33 00-0001 Accordion Doors/Partitions (10 22 33)

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15	STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500).....	36.89	1.84
			<i>For <135, Add</i>	7.38	
10 22 33 00-0003	SF	20	STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000).....	37.42	1.90
			<i>For <135, Add</i>	7.48	
10 22 33 00-0004	SF	31	STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100).....	39.22	1.96
			<i>For <135, Add</i>	7.84	
10 22 33 00-0005	SF	35	STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500).....	41.66	2.02
			<i>For <135, Add</i>	8.33	
10 22 33 00-0006	SF	39	STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900).....	42.37	2.08
			<i>For <135, Add</i>	8.47	
10 22 33 00-0007	SF	40	STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000).....	42.84	2.14
			<i>For <135, Add</i>	8.57	
10 22 33 00-0008	SF	41	STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100).....	43.32	2.20
			<i>For <135, Add</i>	8.66	
10 22 33 00-0009	SF	45	STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500).....	43.86	2.33
			<i>For <135, Add</i>	8.77	

10 22 43 Sliding Partitions (10 22)

10 22 43 00-0001 Operable Wall (10 22 43)

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF	Up To 720	SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	66.01	3.63
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	6.06	
10 22 43 00-0003	SF	>720 To 1,200	SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	62.65	2.90
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	5.93	
10 22 43 00-0004	SF	>1,200	SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	60.05	2.42
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	5.81	
10 22 43 00-0005	SF	Up To 1,080	SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	57.82	2.54
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	5.52	
10 22 43 00-0006	SF	>1,080 To 1,800	SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	54.99	2.07
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	5.37	
10 22 43 00-0007	SF	>1,800	SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	53.15	1.85
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	5.24	
10 22 43 00-0008	SF	Up To 1,440	SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	52.08	1.99
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	5.07	
10 22 43 00-0009	SF	>1,440 To 2,400	SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	49.75	1.70
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	4.91	
10 22 43 00-0010	SF	>2,400	SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	48.07	1.52
			Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
			<i>For 51 STC, Add</i>	4.79	
10 22 43 00-0011	SF	Up To 160	SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	71.62	3.22
			Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
			<i>For 51 STC, Add</i>	6.81	
10 22 43 00-0012	SF	>160 To 240	SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	67.66	2.46
			Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
			<i>For 51 STC, Add</i>	6.63	
10 22 43 00-0013	SF	>240	SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	65.11	2.07
			Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
			<i>For 51 STC, Add</i>	6.48	

10 26 Wall And Door Protection (10 20)

10 26 13 Corner Guards (10 26)

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 26 13 00-0001	Vinyl Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0002	Rigid Vinyl Corner Guards <small>(10 26 13 00-0001)</small>		
10 26 13 00-0003	Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0002)</small>		
10 26 13 00-0004	90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		
10 26 13 00-0005	LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	3.85	1.17
	For >50 To 100, Deduct	-0.49	
	For >100 To 200, Deduct	-0.68	
	For >200, Deduct	-0.97	
10 26 13 00-0006	LF 1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	4.32	1.17
	For >50 To 100, Deduct	-0.49	
	For >100 To 200, Deduct	-0.68	
	For >200, Deduct	-0.99	
10 26 13 00-0007	LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	6.90	1.17
	For >50 To 100, Deduct	-0.49	
	For >100 To 200, Deduct	-0.68	
	For >200, Deduct	-1.12	
10 26 13 00-0008	LF 4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	10.13	1.17
	For >50 To 100, Deduct	-0.49	
	For >100 To 200, Deduct	-0.68	
	For >200, Deduct	-1.28	
10 26 13 00-0009	135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		
10 26 13 00-0010	LF 1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	9.55	1.17
	For >50 To 100, Deduct	-0.49	
	For >100 To 200, Deduct	-0.68	
	For >200, Deduct	-1.25	
10 26 13 00-0011	Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0001)</small>		
	Note: Includes closure caps.		
10 26 13 00-0012	Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0013	90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0014	LF 2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	8.18	1.75
	For >50 To 100, Deduct	-0.73	
	For >100 To 200, Deduct	-1.02	
	For >200, Deduct	-1.58	
	For Recycled Vinyl Retainer, Deduct	-1.05	
10 26 13 00-0015	LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	9.61	1.75
	For >50 To 100, Deduct	-0.73	
	For >100 To 200, Deduct	-1.02	
	For >200, Deduct	-1.65	
	For Recycled Vinyl Retainer, Deduct	-1.34	
10 26 13 00-0016	LF Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	11.05	1.75
	For >50 To 100, Deduct	-0.73	
	For >100 To 200, Deduct	-1.02	
	For >200, Deduct	-1.72	
	For Recycled Vinyl Retainer, Deduct	-1.63	
10 26 13 00-0017	135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0018	LF 3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	13.73	1.75
	For >50 To 100, Deduct	-0.73	
	For >100 To 200, Deduct	-1.02	
	For >200, Deduct	-1.85	
	For Recycled Vinyl Retainer, Deduct	-2.16	
10 26 13 00-0019	End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
	Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020	LF 2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	19.86	2.33
	For >50 To 100, Deduct	-0.97	
	For >100 To 200, Deduct	-1.36	
	For >200, Deduct	-2.55	
	For Recycled Vinyl Retainer, Deduct	-3.19	
10 26 13 00-0021	Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0022	90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		



Specialties	10
Interior Specialties	10 20
Wall And Door Protection	10 26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Up To 2 HR Fire Rated, Add</i>	12.31 -0.73 -1.02 -1.78 6.57	1.75
	10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Up To 2 HR Fire Rated, Add</i>	15.71 -0.73 -1.02 -1.95 8.95	1.75
	10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Up To 2 HR Fire Rated, Add</i>	14.25 -0.73 -1.02 -1.88 7.93	1.75
	10 26 13 00-0026		135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
	10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Up To 2 HR Fire Rated, Add</i>	17.16 -0.73 -1.02 -2.03 9.97	1.75
	10 26 13 00-0028		End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
	10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Up To 2 HR Fire Rated, Add</i>	39.20 -0.97 -1.36 -3.52 24.72	2.33
	10 26 13 00-0030		Flexible Vinyl Corner Guards <small>(10 26 13 00-0001)</small> Note: Includes adhesive for installation.		
	10 26 13 00-0031		Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0030)</small>		
	10 26 13 00-0032		90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0031)</small>		
	10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	6.37 -0.49 -0.68 -1.09 1.25	1.17
	10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	8.93 -0.49 -0.68 -1.22 1.63	1.17
	10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	11.01 -0.49 -0.68 -1.33 1.94	1.17
	10 26 13 00-0036		Polycarbonate Corner Guards <small>(10 26 13)</small>		
	10 26 13 00-0037		Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0036)</small>		
	10 26 13 00-0038		90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
	10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	3.28 -0.49 -0.68 -0.94	1.17
	10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	4.53 -0.49 -0.68 -1.00	1.17
	10 26 13 00-0041	LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	5.99 -0.49 -0.68 -1.08	1.17
	10 26 13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	6.88 -0.49 -0.68 -1.12	1.17
	10 26 13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	6.55 -0.49 -0.68 -1.10	1.17

10 Specialties

10 20 Interior Specialties

10 26 Wall And Door Protection



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 26 13 00-0044	135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
10 26 13 00-0045	LF 2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	6.88	1.17
	For >50 To 100, Deduct	-0.49	
	For >100 To 200, Deduct	-0.68	
	For >200, Deduct	-1.12	
10 26 13 00-0046	Aluminum Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0047	Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0046)</small>		
10 26 13 00-0048	90 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0049	LF 1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	5.82	1.17
	For >50 To 100, Deduct	-0.49	
	For >100 To 200, Deduct	-0.68	
	For >200, Deduct	-1.07	
10 26 13 00-0050	LF 2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	7.51	1.17
	For >50 To 100, Deduct	-0.49	
	For >100 To 200, Deduct	-0.68	
	For >200, Deduct	-1.15	
10 26 13 00-0051	LF 3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	8.56	1.17
	For >50 To 100, Deduct	-0.49	
	For >100 To 200, Deduct	-0.68	
	For >200, Deduct	-1.20	
10 26 13 00-0052	135 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0053	LF 1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	5.82	1.17
	For >50 To 100, Deduct	-0.49	
	For >100 To 200, Deduct	-0.68	
	For >200, Deduct	-1.07	
10 26 13 00-0054	LF 2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	7.51	1.17
	For >50 To 100, Deduct	-0.49	
	For >100 To 200, Deduct	-0.68	
	For >200, Deduct	-1.15	
10 26 13 00-0055	LF 3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	8.56	1.17
	For >50 To 100, Deduct	-0.49	
	For >100 To 200, Deduct	-0.68	
	For >200, Deduct	-1.20	
10 26 13 00-0056	Steel Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0057	Steel Angle Iron, Corner Guards <small>(10 26 13 00-0056)</small>		
10 26 13 00-0058	Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0057)</small>		
10 26 13 00-0059	90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0058)</small>		
10 26 13 00-0060	LF 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	7.81	1.40
	For Galvanizing, Add	1.92	
	For >50 To 100, Deduct	-0.58	
	For >100 To 200, Deduct	-0.82	
	For >200, Deduct	-1.32	
10 26 13 00-0061	LF 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	10.53	1.52
	For Galvanizing, Add	2.80	
	For >50 To 100, Deduct	-0.63	
	For >100 To 200, Deduct	-0.88	
	For >200, Deduct	-1.53	
10 26 13 00-0062	LF 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	11.28	1.57
	For Galvanizing, Add	3.03	
	For >50 To 100, Deduct	-0.66	
	For >100 To 200, Deduct	-0.92	
	For >200, Deduct	-1.61	
10 26 13 00-0063	LF 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	11.50	1.63
	For Galvanizing, Add	3.07	
	For >50 To 100, Deduct	-0.68	
	For >100 To 200, Deduct	-0.96	
	For >200, Deduct	-1.67	
10 26 13 00-0064	LF 3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	15.08	1.69
	For Galvanizing, Add	4.29	
	For >50 To 100, Deduct	-0.71	
	For >100 To 200, Deduct	-0.99	
	For >200, Deduct	-1.88	
10 26 13 00-0065	LF 4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	18.69	1.75
	For Galvanizing, Add	5.52	
	For >50 To 100, Deduct	-0.73	
	For >100 To 200, Deduct	-1.02	
	For >200, Deduct	-2.10	
10 26 13 00-0066	LF 6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	33.31	2.33
	For Galvanizing, Add	10.30	
	For >50 To 100, Deduct	-0.97	
	For >100 To 200, Deduct	-1.36	
	For >200, Deduct	-3.22	
10 26 13 00-0067	Stainless Steel Corner Guards <small>(10 26 13)</small>		



Specialties	10	10
Interior Specialties	10 20	
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0068			Stainless Steel Corner Guards <small>(10 26 13 00-0067)</small> Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069			Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0068)</small>		
10 26 13 00-0070			90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0071	LF		1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	6.78	1.17
			For >50 To 100, Deduct	-0.49	
			For >100 To 200, Deduct	-0.68	
			For >200, Deduct	-1.12	
10 26 13 00-0072	LF		2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	8.27	1.17
			For >50 To 100, Deduct	-0.49	
			For >100 To 200, Deduct	-0.68	
			For >200, Deduct	-1.19	
10 26 13 00-0073	LF		3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	12.15	1.17
			For >50 To 100, Deduct	-0.49	
			For >100 To 200, Deduct	-0.68	
			For >200, Deduct	-1.38	
10 26 13 00-0074	LF		Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550).....	12.15	1.17
			For >50 To 100, Deduct	-0.49	
			For >100 To 200, Deduct	-0.68	
			For >200, Deduct	-1.38	
10 26 13 00-0075			135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0076	LF		3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	12.15	1.17
			For >50 To 100, Deduct	-0.49	
			For >100 To 200, Deduct	-0.68	
			For >200, Deduct	-1.38	
10 26 13 00-0077	LF		Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650).....	12.15	1.17
			For >50 To 100, Deduct	-0.49	
			For >100 To 200, Deduct	-0.68	
			For >200, Deduct	-1.38	
10 26 13 00-0078			Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0067)</small>		
10 26 13 00-0079			Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0078)</small>		
10 26 13 00-0080			90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0079)</small>		
10 26 13 00-0081	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	15.00	1.40
			For >50 To 100, Deduct	-0.58	
			For >100 To 200, Deduct	-0.82	
			For >200, Deduct	-1.68	
10 26 13 00-0082	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	26.54	1.52
			For >50 To 100, Deduct	-0.63	
			For >100 To 200, Deduct	-0.88	
			For >200, Deduct	-2.34	
10 26 13 00-0083	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	38.19	1.57
			For >50 To 100, Deduct	-0.66	
			For >100 To 200, Deduct	-0.92	
			For >200, Deduct	-2.96	
10 26 13 00-0084	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	35.34	1.63
			For >50 To 100, Deduct	-0.68	
			For >100 To 200, Deduct	-0.96	
			For >200, Deduct	-2.86	
10 26 13 00-0085	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	51.78	1.69
			For >50 To 100, Deduct	-0.71	
			For >100 To 200, Deduct	-0.99	
			For >200, Deduct	-3.72	
10 26 13 00-0086	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	47.47	1.75
			For >50 To 100, Deduct	-0.73	
			For >100 To 200, Deduct	-1.02	
			For >200, Deduct	-3.54	
10 26 13 00-0087			Rubber Corner Guards <small>(10 26 13)</small> Note: Includes adhesive for installation.		
10 26 13 00-0088			Natural Rubber Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0089			Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0088)</small>		
10 26 13 00-0090			90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0089)</small>		
10 26 13 00-0091	LF		4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....	40.30	1.17
			For >50 To 100, Deduct	-0.49	
			For >100 To 200, Deduct	-0.68	
			For >200, Deduct	-2.79	
			For Bolting To Concrete Or Masonry, Add	6.34	
10 26 13 00-0092			Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0093			Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0092)</small>		

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**MINOR
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0094			90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0093)		
10 26 13 00-0095	LF		4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2).....	16.68	1.17
			<i>For >50 To 100, Deduct</i>	-0.49	
			<i>For >100 To 200, Deduct</i>	-0.68	
			<i>For >200, Deduct</i>	-1.61	
			<i>For Bolting To Concrete Or Masonry, Add</i>	2.79	
10 26 13 00-0096			Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0097)		
10 26 13 00-0097			Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0096)		
10 26 13 00-0098			90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0097)		
10 26 13 00-0099	LF		4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	14.31	1.17
			<i>For >50 To 100, Deduct</i>	-0.49	
			<i>For >100 To 200, Deduct</i>	-0.68	
			<i>For >200, Deduct</i>	-1.49	
			<i>For Bolting To Concrete Or Masonry, Add</i>	2.44	
10 26 16			Bumper Guards (10 26)		
10 26 16 13			Bumper Rails (10 26 16)		
10 26 16 13-0001			Crash Rails (10 26 16 13) Note: Includes end caps.		
10 26 16 13-0002			Polycarbonate Crash Rails (10 26 16 13-0001)		
10 26 16 13-0003	LF		3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	6.24	1.55
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 200, Deduct</i>	-1.09	
			<i>For >200, Deduct</i>	-1.56	
10 26 16 13-0004	LF		4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	7.35	1.55
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 200, Deduct</i>	-1.09	
			<i>For >200, Deduct</i>	-1.61	
10 26 16 13-0005			Aluminum Crash Rails (10 26 16 13-0001)		
10 26 16 13-0006	LF		4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	26.65	1.55
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 200, Deduct</i>	-1.09	
			<i>For >200, Deduct</i>	-2.58	
10 26 16 13-0007			Stainless Steel Crash Rails (10 26 16 13-0001)		
10 26 16 13-0008	LF		4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	50.19	1.55
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 200, Deduct</i>	-1.09	
			<i>For >200, Deduct</i>	-3.75	
10 26 16 13-0009	LF		5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	38.42	1.55
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 200, Deduct</i>	-1.09	
			<i>For >200, Deduct</i>	-3.17	
10 26 16 13-0010			Wall Guards (10 26 16 13)		
10 26 16 13-0011			Rigid Vinyl Wall Guards With Aluminum Retainers (10 26 16 13-0010) Note: Includes end caps.		
10 26 16 13-0012	LF		1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	7.15	1.36
			<i>For >50 To 100, Deduct</i>	-0.68	
			<i>For >100 To 200, Deduct</i>	-0.96	
			<i>For >200, Deduct</i>	-1.45	
10 26 16 13-0013	LF		3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	8.98	1.55
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 200, Deduct</i>	-1.09	
			<i>For >200, Deduct</i>	-1.69	
10 26 16 13-0014	LF		4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	10.07	1.55
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 200, Deduct</i>	-1.09	
			<i>For >200, Deduct</i>	-1.75	
10 26 16 13-0015	LF		5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5).....	10.67	1.55
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 200, Deduct</i>	-1.09	
			<i>For >200, Deduct</i>	-1.78	
10 26 16 13-0016	LF		6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6).....	13.31	1.65
			<i>For >50 To 100, Deduct</i>	-0.83	
			<i>For >100 To 200, Deduct</i>	-1.16	
			<i>For >200, Deduct</i>	-1.99	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0017 LF 8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7).....	13.40	1.65
For >50 To 100, Deduct	-0.83	
For >100 To 200, Deduct	-1.16	
For >200, Deduct	-1.99	
10 26 16 13-0018 LF 7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	13.93	1.65
For >50 To 100, Deduct	-0.83	
For >100 To 200, Deduct	-1.16	
For >200, Deduct	-2.02	
10 26 16 13-0019 LF 12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	17.43	1.75
For >50 To 100, Deduct	-0.87	
For >100 To 200, Deduct	-1.22	
For >200, Deduct	-2.27	
10 26 16 13-0020 Rubber Wall Guards <small>(10 26 16 13-0010)</small>		
10 26 16 13-0021 D-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022 LF 2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	10.91	1.36
For >50 To 100, Deduct	-0.68	
For >100 To 200, Deduct	-0.96	
For >200, Deduct	-1.64	
10 26 16 13-0023 LF 3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3).....	17.23	1.55
For >50 To 100, Deduct	-0.78	
For >100 To 200, Deduct	-1.09	
For >200, Deduct	-2.11	
10 26 16 13-0024 LF 4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4).....	27.42	1.55
For >50 To 100, Deduct	-0.78	
For >100 To 200, Deduct	-1.09	
For >200, Deduct	-2.62	
10 26 16 13-0025 LF 6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6).....	40.24	1.55
For >50 To 100, Deduct	-0.78	
For >100 To 200, Deduct	-1.09	
For >200, Deduct	-3.26	
10 26 16 13-0026 Rectangular, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027 LF 8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1).....	29.37	1.65
For >50 To 100, Deduct	-0.83	
For >100 To 200, Deduct	-1.16	
For >200, Deduct	-2.79	
10 26 16 13-0028 LF 9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	37.98	1.75
For >50 To 100, Deduct	-0.87	
For >100 To 200, Deduct	-1.22	
For >200, Deduct	-3.30	
10 26 16 13-0029 Wing Type, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030 LF 6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20).....	51.37	1.55
For >50 To 100, Deduct	-0.78	
For >100 To 200, Deduct	-1.09	
For >200, Deduct	-3.81	
10 26 16 13-0031 LF 6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30).....	54.90	1.55
For >50 To 100, Deduct	-0.78	
For >100 To 200, Deduct	-1.09	
For >200, Deduct	-3.99	
10 26 16 13-0032 LF 3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25).....	23.30	1.36
For >50 To 100, Deduct	-0.68	
For >100 To 200, Deduct	-0.96	
For >200, Deduct	-2.26	
10 26 16 13-0033 U-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0034 LF 3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4).....	42.44	1.65
For >50 To 100, Deduct	-0.83	
For >100 To 200, Deduct	-1.16	
For >200, Deduct	-3.44	
10 26 16 13-0035 LF 4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3).....	48.03	1.65
For >50 To 100, Deduct	-0.83	
For >100 To 200, Deduct	-1.16	
For >200, Deduct	-3.72	
10 26 16 13-0036 Accent Rails <small>(10 26 16 13)</small>		
Note: Includes end caps.		
10 26 16 13-0037 Oval, Rigid Vinyl Accent Rails With Aluminum Retainers <small>(10 26 16 13-0036)</small>		
10 26 16 13-0038 LF 1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25).....	9.07	1.36
For >50 To 100, Deduct	-0.68	
For >100 To 200, Deduct	-0.96	
For >200, Deduct	-1.55	
10 26 16 13-0039 LF 2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30).....	9.09	1.36
For >50 To 100, Deduct	-0.68	
For >100 To 200, Deduct	-0.96	
For >200, Deduct	-1.55	
10 26 16 13-0040 LF 2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22).....	14.52	1.36
For >50 To 100, Deduct	-0.68	
For >100 To 200, Deduct	-0.96	
For >200, Deduct	-1.82	

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**10 26 16 16 Protective Corridor Handrails** (10 26 16)

10 26 16 16-0001	Protective Corridor Handrails	<small>(10 26 16 16)</small>		
10 26 16 16-0002	Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers	<small>(10 26 16 16-0001)</small>		
10 26 16 16-0003	LF 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)		13.32	2.92
	For >50 To 100, Deduct		-1.46	
	For >100 To 200, Deduct		-2.04	
	For >200, Deduct		-3.00	
10 26 16 16-0004	EA End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)		11.18	2.92
	For >25 To 50, Deduct		-1.46	
	For >50 To 100, Deduct		-2.04	
	For >100, Deduct		-2.89	
10 26 16 16-0005	LF 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)		19.74	2.92
	For >50 To 100, Deduct		-1.46	
	For >100 To 200, Deduct		-2.04	
	For >200, Deduct		-3.32	
10 26 16 16-0006	EA End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)		15.46	2.92
	For >25 To 50, Deduct		-1.46	
	For >50 To 100, Deduct		-2.04	
	For >100, Deduct		-3.11	
10 26 16 16-0007	LF 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)		20.81	2.92
	For >50 To 100, Deduct		-1.46	
	For >100 To 200, Deduct		-2.04	
	For >200, Deduct		-3.37	
10 26 16 16-0008	EA End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)		22.95	2.92
	For >25 To 50, Deduct		-1.46	
	For >50 To 100, Deduct		-2.04	
	For >100, Deduct		-3.48	
10 26 16 16-0009	LF 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)		28.30	2.92
	For >50 To 100, Deduct		-1.46	
	For >100 To 200, Deduct		-2.04	
	For >200, Deduct		-3.75	
10 26 16 16-0010	EA End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)		31.51	2.92
	For >25 To 50, Deduct		-1.46	
	For >50 To 100, Deduct		-2.04	
	For >100, Deduct		-3.91	

10 26 16 16-0011 Stainless Steel Protective Corridor Handrails (10 26 16 16-0001)

10 26 16 16-0012	LF 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)		39.00	2.92
	For >50 To 100, Deduct		-1.46	
	For >100 To 200, Deduct		-2.04	
	For >200, Deduct		-4.28	
10 26 16 16-0013	EA End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)		40.07	2.92
	For >25 To 50, Deduct		-1.46	
	For >50 To 100, Deduct		-2.04	
	For >100, Deduct		-4.34	

10 26 16 16-0014 Hardwood Protective Corridor Handrails (10 26 16 16-0001)

Note: Includes end caps.

10 26 16 16-0015	LF 4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)		19.94	2.26
	For >50 To 100, Deduct		-1.13	
	For >100 To 200, Deduct		-1.59	
	For >200, Deduct		-2.81	
	For Maple, Add		0.46	
10 26 16 16-0016	LF 5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)		24.63	2.42
	For >50 To 100, Deduct		-1.21	
	For >100 To 200, Deduct		-1.69	
	For >200, Deduct		-3.16	
10 26 16 16-0017	LF 1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)		16.64	2.26
	For >50 To 100, Deduct		-1.13	
	For >100 To 200, Deduct		-1.59	
	For >200, Deduct		-2.64	
	For Maple, Add		5.21	
	For Oak, Add		5.81	

10 26 23 Protective Wall Covering (10 26)**10 26 23 00-0001 Impact Resistant Wall Protection** (10 26 23)

Note: Includes standard trim.

10 26 23 00-0002	SF 0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)		4.28	0.97
10 26 23 00-0003	SF 0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)		4.57	0.97
10 26 23 00-0004	SF 0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)		6.22	0.97

10 26 23 00-0005 Interior Polyvinyl Chloride (PVC) Soffit System (10 26 23)

Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.

10 26 23 00-0006 "L" Design (10 26 23 00-0005)**10 26 23 00-0007 L-Shield** (10 26 23 00-0006)

10 26 23 00-0008	LF 2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe		7.97	0.97
10 26 23 00-0009	LF 3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe		8.89	1.36



Specialties	10
Interior Specialties	10 20
Wall And Door Protection	10 26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0010 LF 3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	11.72	1.75
10 26 23 00-0011 LF 5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	16.46	2.14
10 26 23 00-0012 "Combo" Hanger (10 26 23 00-0006)		
10 26 23 00-0013 EA Combination "Combo" Hanger, L-Support, For 3/4" Pipe	7.56	1.95
10 26 23 00-0014 EA Combination "Combo" Hanger, L-Support, For 1" Pipe	8.62	2.33
10 26 23 00-0015 EA Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	9.92	2.73
10 26 23 00-0016 EA Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	10.93	3.11
10 26 23 00-0017 EA Combination "Combo" Hanger, L-Support, For 2" Pipe	12.22	3.50
10 26 23 00-0018 Snap-2 Pipe Hanger (10 26 23 00-0006)		
10 26 23 00-0019 EA Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	5.80	1.95
10 26 23 00-0020 EA Snap-2 Pipe Hanger, L-Support, For 1" Pipe	7.08	2.33
10 26 23 00-0021 EA Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	8.23	2.73
10 26 23 00-0022 EA Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	9.68	3.11
10 26 23 00-0023 EA Snap-2 Pipe Hanger, L-Support, For 2" Pipe	11.19	3.50
10 26 23 00-0024 Coupling (10 26 23 00-0006)		
10 26 23 00-0025 EA Coupling, L-Shield, 1" Shield Size	4.23	0.97
10 26 23 00-0026 EA Coupling, L-Shield, 1-1/4" Shield Size	6.18	1.36
10 26 23 00-0027 EA Coupling, L-Shield, 2" Shield Size	9.15	1.75
10 26 23 00-0028 EA Coupling, L-Shield, 2-1/2" Shield Size	11.55	2.14
10 26 23 00-0029 Coupling, Reducer (10 26 23 00-0006)		
10 26 23 00-0030 EA Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	14.07	1.17
10 26 23 00-0031 EA Coupling, Reducing, L-Shield, 2" x 1" Shield Size	17.41	1.36
10 26 23 00-0032 EA Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	20.72	1.55
10 26 23 00-0033 EA Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	86.67	1.95
10 26 23 00-0034 Shield Clips (10 26 23 00-0006)		
10 26 23 00-0035 EA Shield Clips, L-Support, 1" Shield Size	2.56	0.59
10 26 23 00-0036 EA Shield Clips, L-Support, 1-1/4" Shield Size	3.71	0.97
10 26 23 00-0037 EA Shield Clips, L-Support, 2" Shield Size	4.78	1.36
10 26 23 00-0038 EA Shield Clips, L-Support, 2-1/2" Shield Size	5.11	1.75
10 26 23 00-0039 Wall Flange (10 26 23 00-0006)		
10 26 23 00-0040 EA Wall Flange, L-Shield, 1" Shield Size	4.08	0.97
10 26 23 00-0041 EA Wall Flange, L-Shield, 1-1/4" Shield Size	5.89	1.36
10 26 23 00-0042 EA Wall Flange, L-Shield, 2" Shield Size	8.86	1.75
10 26 23 00-0043 EA Wall Flange, L-Shield, 2-1/2" Shield Size	43.66	2.14
10 26 23 00-0044 End Cap (10 26 23 00-0006)		
10 26 23 00-0045 EA End Cap, L-Shield, 1" Shield Size	4.77	0.59
10 26 23 00-0046 EA End Cap, L-Shield, 1-1/4" Shield Size	6.06	0.97
10 26 23 00-0047 EA End Cap, L-Shield, 2" Shield Size	8.38	1.36
10 26 23 00-0048 EA End Cap, L-Shield, 2-1/2" Shield Size	45.04	1.75
10 26 23 00-0049 Inside/Outside Corner (10 26 23 00-0006)		
10 26 23 00-0050 EA Inside/Outside Corner, L-Shield, 1" Shield Size	32.00	1.95
10 26 23 00-0051 EA Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	34.16	2.33
10 26 23 00-0052 EA Inside/Outside Corner, L-Shield, 2" Shield Size	41.13	2.92
10 26 23 00-0053 EA Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	74.16	3.50
10 26 23 00-0054 Joiner (10 26 23 00-0006)		
10 26 23 00-0055 LF Joiner, L-Shield	6.38	0.59
10 26 23 00-0056 "U" Design (10 26 23 00-0005)		
10 26 23 00-0057 U-Shield (10 26 23 00-0056)		
10 26 23 00-0058 LF 2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	9.88	0.97
10 26 23 00-0059 LF 2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe	12.12	1.36
10 26 23 00-0060 LF 3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe	15.46	1.36
10 26 23 00-0061 "Combo" Hanger (10 26 23 00-0056)		
10 26 23 00-0062 EA Combination "Combo" Hanger, U-Support For 3/4" Pipe	6.17	1.95
10 26 23 00-0063 EA Combination "Combo" Hanger, U-Support For 1" Pipe	7.30	2.33
10 26 23 00-0064 EA Combination "Combo" Hanger, U-Support For 1-1/4" Pipe	8.38	2.73
10 26 23 00-0065 EA Combination "Combo" Hanger, U-Support For 1-1/2" Pipe	10.71	3.11
10 26 23 00-0066 EA Combination "Combo" Hanger, U-Support For 2" Pipe	12.15	3.50
10 26 23 00-0067 Snap-2 Pipe Hanger (10 26 23 00-0056)		

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 26 23 00-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	5.65	1.95
10 26 23 00-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Pipe	6.94	2.33
10 26 23 00-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	8.60	2.73
10 26 23 00-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	9.53	3.11
10 26 23 00-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Pipe	11.12	3.50
10 26 23 00-0073		Coupling <small>(10 26 23 00-0056)</small>		
10 26 23 00-0074	EA	Coupling, U-Shield, 1" Shield Size	5.25	0.97
10 26 23 00-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size	6.40	1.36
10 26 23 00-0076	EA	Coupling, U-Shield, 2" Shield Size	7.68	1.75
10 26 23 00-0077		Coupling, Reducer <small>(10 26 23 00-0056)</small>		
10 26 23 00-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	17.01	1.17
10 26 23 00-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size	20.34	1.36
10 26 23 00-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	21.46	1.55
10 26 23 00-0081		Shield Clips <small>(10 26 23 00-0056)</small>		
10 26 23 00-0082	EA	Shield Clips, U-Support, 1" Shield Size	2.27	0.59
10 26 23 00-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	3.20	0.97
10 26 23 00-0084	EA	Shield Clips, U-Support, 2" Shield Size	4.12	1.36
10 26 23 00-0085		Wall Flange <small>(10 26 23 00-0056)</small>		
10 26 23 00-0086	EA	Wall Flange, U-Shield, 1" Shield Size	5.03	0.97
10 26 23 00-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	6.33	1.36
10 26 23 00-0088	EA	Wall Flange, U-Shield, 2" Shield Size	7.61	1.75
10 26 23 00-0089		End Cap <small>(10 26 23 00-0056)</small>		
10 26 23 00-0090	EA	End Cap, U-Shield, 1" Shield Size	5.13	0.59
10 26 23 00-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size	6.65	0.97
10 26 23 00-0092	EA	End Cap, U-Shield, 2" Shield Size	8.09	1.36
10 26 23 00-0093		Inside/Outside Corner <small>(10 26 23 00-0056)</small>		
10 26 23 00-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	40.88	1.95
10 26 23 00-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	45.24	2.33
10 26 23 00-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	53.31	2.92
10 26 23 00-0097		Elbow <small>(10 26 23 00-0056)</small>		
10 26 23 00-0098	EA	Elbow, U-Shield, 1" Shield Size	40.07	1.95
10 26 23 00-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size	43.78	2.33
10 26 23 00-0100	EA	Elbow, U-Shield, 2" Shield Size	51.92	2.92
10 26 23 00-0101		Tee <small>(10 26 23 00-0056)</small>		
10 26 23 00-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	50.08	2.92
10 26 23 00-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	55.37	3.50
10 26 23 00-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	64.41	4.28
10 26 23 00-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	66.79	3.31
10 26 23 00-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	71.36	4.09
10 26 23 00-0107		Cross <small>(10 26 23 00-0056)</small>		
10 26 23 00-0108	EA	Cross, U-Shield, 1" Shield Size	92.55	3.89
10 26 23 00-0109	EA	Cross, U-Shield, 1-1/4" Shield Size	103.28	4.66
10 26 23 00-0110	EA	Cross, U-Shield, 2" Shield Size	125.28	5.83
10 26 23 00-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	128.33	4.28
10 26 23 00-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	140.40	5.25
10 26 23 00-0113		Transition Fittings (L to U Or U to L) <small>(10 26 23 00-0005)</small>		
10 26 23 00-0114		Coupling Transition <small>(10 26 23 00-0113)</small>		
10 26 23 00-0115	EA	Transition Coupling, 1" x 1", LxU or UxL	15.31	0.97
10 26 23 00-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	16.97	1.36
10 26 23 00-0117	EA	Transition Coupling, 2" x 2", LxU or UxL	21.04	1.75
10 26 23 00-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	17.23	1.17
10 26 23 00-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	21.31	1.55
10 26 23 00-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	90.86	1.95
10 26 23 00-0121		Elbow Transition <small>(10 26 23 00-0113)</small>		
10 26 23 00-0122	EA	Transition Elbow, 1" x 1" (UxL)	54.82	1.95
10 26 23 00-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	59.12	2.33
10 26 23 00-0124	EA	Transition Elbow, 2" x 2" (UxL)	69.09	2.92
10 26 23 00-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL)	86.48	2.14
10 26 23 00-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL)	60.35	2.14
10 26 23 00-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL)	90.72	2.73



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0128 EA Transition Elbow, 2" x 1-1/4" (UxL)	69.51	2.73
10 26 23 00-0129 EA Transition Elbow, 2" x 2-1/2" (UxL)	109.27	3.11
10 26 23 00-0130 Tee Transition <small>(10 26 23 00-0113)</small>		
10 26 23 00-0131 EA Transition Tee, 1" x 1" x 1" (LxLxU)	61.90	2.92
10 26 23 00-0132 EA Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	71.45	3.50
10 26 23 00-0133 EA Transition Tee, 2" x 2" x 2" (LxLxU)	82.83	4.28
10 26 23 00-0134 EA Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	65.10	3.31
10 26 23 00-0135 EA Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	104.26	3.69
10 26 23 00-0136 EA Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	72.02	4.09
10 26 23 00-0137 EA Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	99.26	4.87
10 26 23 00-0138 Fittings (L Or U) <small>(10 26 23 00-0005)</small>		
10 26 23 00-0139 Hugger Hangers For Steel Pipe <small>(10 26 23 00-0138)</small>		
10 26 23 00-0140 EA Hugger Hanger, For 1/2" Steel Pipe	4.65	1.55
10 26 23 00-0141 EA Hugger Hanger, For 3/4" Steel Pipe	5.80	1.95
10 26 23 00-0142 EA Hugger Hanger, For 1" Steel Pipe	6.71	2.33
10 26 23 00-0143 EA Hugger Hanger, For 1-1/4" Steel Pipe	7.72	2.73
10 26 23 00-0144 EA Hugger Hanger, For 1-1/2" Steel Pipe	8.65	3.11
10 26 23 00-0145 EA Hugger Hanger, For 2" Steel Pipe	9.73	3.11
10 26 23 00-0146 EA Hugger Hanger, For 2-1/2" Steel Pipe	10.64	3.89
10 26 23 00-0147 EA Hugger Hanger, For 3" Steel Pipe	14.14	4.28
10 26 23 00-0148 Hugger Hangers For Copper Pipe <small>(10 26 23 00-0138)</small>		
10 26 23 00-0149 EA Hugger Hanger, For 1/2" Copper Pipe	4.72	1.55
10 26 23 00-0150 EA Hugger Hanger, For 3/4" Copper Pipe	5.87	1.95
10 26 23 00-0151 EA Hugger Hanger, For 1" Copper Pipe	6.79	2.33
10 26 23 00-0152 EA Hugger Hanger, For 1-1/4" Copper Pipe	7.79	2.73
10 26 23 00-0153 EA Hugger Hanger, For 1-1/2" Copper Pipe	8.73	3.11
10 26 23 00-0154 EA Hugger Hanger, For 2" Copper Pipe	9.87	3.50
10 26 23 00-0155 EA Hugger Hanger, For 2-1/2" Copper Pipe	10.79	3.89
10 26 23 00-0156 EA Hugger Hanger, For 3" Copper Pipe	14.36	4.28
10 26 23 00-0157 Shield Extension (L Or U) <small>(10 26 23 00-0138)</small>		
10 26 23 00-0158 LF Shield Extension	7.92	0.59
10 26 41 Bullet Resistant Panels <small>(10 26)</small>		
10 26 41 00-0001 Laminated Bullet Resistant Fiberglass Panel <small>(10 26 41)</small>		
Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002 SF 1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF	10.67	0.56
10 26 41 00-0003 SF 3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF	15.03	0.59
10 26 41 00-0004 SF 1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	17.09	0.63
10 26 41 00-0005 SF 5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	18.15	0.67
10 26 41 00-0006 SF 7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	21.24	0.75
10 26 41 00-0007 SF 9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	36.98	0.91
10 26 41 00-0008 SF 1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	63.68	1.70
10 26 41 00-0009 SF 1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	76.40	1.86
10 28 Toilet, Bath, And Laundry Accessories <small>(10 20)</small>		
10 28 13 Toilet Accessories <small>(10 28)</small>		
10 28 13 13 Commercial Toilet Accessories <small>(10 28 13)</small>		
10 28 13 13-0001 Toilet Accessories <small>(10 28 13 13)</small>		
10 28 13 13-0002 Dispensers <small>(10 28 13 13-0001)</small>		
10 28 13 13-0003 Paper Towel Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0004 Stainless Steel Paper Towel Dispensers <small>(10 28 13 13-0003)</small>		
10 28 13 13-0005 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	73.40	8.74
10 28 13 13-0006 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	80.45	8.74
10 28 13 13-0007 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	81.50	8.74
10 28 13 13-0008 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	83.52	8.74
10 28 13 13-0009 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	139.24	8.74
10 28 13 13-0010 EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	146.01	8.74
10 28 13 13-0011 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	169.67	8.74
10 28 13 13-0012 EA Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	191.10	3.89
10 28 13 13-0013 EA Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	309.32	8.74
10 28 13 13-0014 EA Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	378.32	8.74
10 28 13 13-0015 EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	403.13	8.74
10 28 13 13-0016 Plastic Paper Towel Dispensers <small>(10 28 13 13-0003)</small>		
10 28 13 13-0017 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	49.35	8.74

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0018	EA		Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	130.35	8.74
10 28 13 13-0019	EA		Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860).....	129.27	8.74
10 28 13 13-0020			Aluminum Paper Towel Dispensers <small>(10 28 13 13-0003)</small>		
10 28 13 13-0021	EA		Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253).....	56.42	8.74
10 28 13 13-0022			Toilet Tissue Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0023			Plastic Toilet Tissue Dispensers <small>(10 28 13 13-0022)</small>		
10 28 13 13-0024	EA		Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	49.09	8.74
10 28 13 13-0025	EA		Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250).....	74.65	8.74
10 28 13 13-0026			Cast Aluminum Toilet Tissue Dispensers <small>(10 28 13 13-0022)</small>		
10 28 13 13-0027	EA		Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	41.79	8.74
10 28 13 13-0028	EA		Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273).....	42.30	8.74
10 28 13 13-0029	EA		Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	45.96	8.74
10 28 13 13-0030	EA		Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	52.75	8.74
10 28 13 13-0031	EA		Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	77.84	8.74
10 28 13 13-0032			Stainless Steel Toilet Tissue Dispensers <small>(10 28 13 13-0022)</small>		
10 28 13 13-0033	EA		Single Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	31.59	8.74
10 28 13 13-0034	EA		Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	65.56	8.74
10 28 13 13-0035	EA		Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	65.73	8.74
10 28 13 13-0036	EA		Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	81.76	8.74
10 28 13 13-0037	EA		Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	41.26	8.74
10 28 13 13-0038	EA		Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	89.85	8.74
10 28 13 13-0039	EA		Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	131.64	8.74
10 28 13 13-0040	EA		Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	145.51	8.74
10 28 13 13-0041	EA		Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388).....	185.48	8.74
10 28 13 13-0042	EA		Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	225.73	8.74
10 28 13 13-0043	EA		Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386).....	273.62	8.74
			Note: Mounts centered through toilet partitions.		
10 28 13 13-0044	EA		Stainless Steel Shelf And Double Roll Toilet Tissue Dispenser (Bobrick B-2840)	107.63	8.74
10 28 13 13-0045			Soap Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0046	EA		20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221).....	64.25	8.74
			For 34 Fluid Ounce (B-822), Add	3.12	
10 28 13 13-0047	EA		20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216).....	72.09	8.74
			For 34 Fluid Ounce (B-822), Add	3.12	
10 28 13 13-0048	EA		24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	34.46	8.74
10 28 13 13-0049	EA		24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	39.95	8.74
10 28 13 13-0050	EA		40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	47.86	8.74
10 28 13 13-0051	EA		40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	50.12	8.74
10 28 13 13-0052	EA		40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	65.82	8.74
10 28 13 13-0053	EA		40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112).....	90.64	8.74
10 28 13 13-0054	EA		45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306).....	167.96	8.74
10 28 13 13-0055	EA		50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	288.42	8.74
10 28 13 13-0056	EA		800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18).....	165.69	8.74
			Note: Includes start-up kit.		
10 28 13 13-0057			Facial Tissue Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0058	EA		Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	78.37	8.74
10 28 13 13-0059	EA		Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	40.65	8.74
10 28 13 13-0060			Sanitary Toilet Seat Cover Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0061	EA		Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	33.42	8.74
10 28 13 13-0062	EA		Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	54.06	8.74
10 28 13 13-0063	EA		Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	119.13	8.74
10 28 13 13-0064	EA		Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301).....	120.15	8.74
10 28 13 13-0065	EA		Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	271.43	8.74
10 28 13 13-0066			Sanitary Toilet Seat Cover/Toilet Tissue Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0067	EA		Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479).....	460.49	8.74
10 28 13 13-0068	EA		Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745).....	262.48	8.74
10 28 13 13-0069			Sanitary Napkin/Tampon Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0070	EA		Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C).....	575.34	8.74
10 28 13 13-0071	EA		Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25).....	430.58	8.74



Specialties	10
Interior Specialties	10 20
Toilet, Bath, And Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0072 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706).....	583.31	8.74
10 28 13 13-0073 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	427.95	8.74
10 28 13 13-0074 EA Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	371.96	8.74
10 28 13 13-0075 Toilet Compartment Combination Dispenser/Disposals (10 28 13 13-0002)		
10 28 13 13-0076 EA Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	361.92	19.43
10 28 13 13-0077 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474).....	411.73	19.43
10 28 13 13-0078 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745).....	330.26	19.43
10 28 13 13-0079 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574).....	491.70	19.43
10 28 13 13-0080 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347).....	507.10	19.43
10 28 13 13-0081 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357).....	593.07	19.43
10 28 13 13-0082 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579).....	551.96	19.43
10 28 13 13-0083 Receptacles (10 28 13 13-0001)		
10 28 13 13-0084 Wall Mounted Waste Receptacles (10 28 13 13-0083)		
10 28 13 13-0085 EA 1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	65.78	8.74
10 28 13 13-0086 EA 6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279).....	128.53	8.74
10 28 13 13-0087 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	299.65	19.43
10 28 13 13-0088 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	476.28	19.43
10 28 13 13-0089 EA 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275).....	363.66	19.43
10 28 13 13-0090 Floor-Standing/Counter Waste Receptacles (10 28 13 13-0083)		
10 28 13 13-0091 EA 5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	82.93	8.74
10 28 13 13-0092 EA 5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529).....	131.40	8.74
10 28 13 13-0093 EA 13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260).....	291.46	3.89
10 28 13 13-0094 EA 13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	448.76	3.89
10 28 13 13-0095 EA 18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300).....	419.45	3.89
10 28 13 13-0096 EA 21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280).....	402.78	3.89
10 28 13 13-0097 Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0083)		
10 28 13 13-0098 EA 2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-369)	236.94	19.43
10 28 13 13-0099 EA 2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-4369).....	420.62	19.43
10 28 13 13-0100 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3944)	413.31	19.43
10 28 13 13-0101 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3900)	630.31	19.43
10 28 13 13-0102 EA 12 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3909)	892.31	19.43
10 28 13 13-0103 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-3961)	744.10	19.43
10 28 13 13-0104 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3949)	558.61	19.43
10 28 13 13-0105 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-39619)	945.30	19.43
10 28 13 13-0106 EA 16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-43944)	862.70	21.38
10 28 13 13-0107 EA 18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3947)	556.45	21.38
10 28 13 13-0108 Sanitary Napkin/Tampon Receptacles (10 28 13 13-0083)		
10 28 13 13-0109 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	55.22	9.71
10 28 13 13-0110 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	141.41	9.71
10 28 13 13-0111 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353).....	156.61	9.71
10 28 13 13-0112 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303).....	407.97	9.71
10 28 13 13-0113 EA Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354).....	201.55	9.71
10 28 13 13-0114 EA Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354).....	376.88	9.71
10 28 13 13-0115 Grab Bars (10 28 13 13-0001)		
10 28 13 13-0116 1-1/4" Diameter, Stainless Steel Grab Bars (10 28 13 13-0115)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0117 EA 12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125x12)	64.40	7.77
For Peened Grip, Add	4.57	
10 28 13 13-0118 EA 18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	77.38	7.77
For Peened Grip, Add	5.74	
10 28 13 13-0119 EA 24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	78.69	7.77
For Peened Grip, Add	5.86	
10 28 13 13-0120 EA 30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30).....	79.30	7.77
For Peened Grip, Add	5.91	
10 28 13 13-0121 EA 36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36).....	79.46	7.77
For Peened Grip, Add	5.93	

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0122	EA		42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)..... <i>For Peened Grip, Add</i>	82.61 6.21	7.77
10 28 13 13-0123	EA		48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)..... <i>For Peened Grip, Add</i>	87.56 6.66	7.77
10 28 13 13-0124			1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars (1028 13 13-0115) Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0125	EA		24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)..... <i>For Peened Grip, Add</i>	141.77 11.36	7.77
10 28 13 13-0126	EA		36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)..... <i>For Peened Grip, Add</i>	145.16 11.66	7.77
10 28 13 13-0127			1-1/2" Diameter, Stainless Steel Grab Bars (1028 13 13-0115) Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0128	EA		12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)..... <i>For Peened Grip, Add</i>	76.30 5.64	7.77
10 28 13 13-0129	EA		18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)..... <i>For Peened Grip, Add</i>	77.38 5.74	7.77
10 28 13 13-0130	EA		24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)..... <i>For Peened Grip, Add</i>	79.46 5.93	7.77
10 28 13 13-0131	EA		30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)..... <i>For Peened Grip, Add</i>	81.56 6.12	7.77
10 28 13 13-0132	EA		36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)..... <i>For Peened Grip, Add</i>	84.17 6.35	7.77
10 28 13 13-0133	EA		42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)..... <i>For Peened Grip, Add</i>	86.53 6.56	7.77
10 28 13 13-0134	EA		48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)..... <i>For Peened Grip, Add</i>	92.27 7.08	7.77
10 28 13 13-0135			1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars (1028 13 13-0115) Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0136	EA		16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)..... <i>For Peened Grip, Add</i>	127.65 10.09	7.77
10 28 13 13-0137	EA		24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)..... <i>For Peened Grip, Add</i>	138.90 11.10	7.77
10 28 13 13-0138	EA		36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)..... <i>For Peened Grip, Add</i>	117.73 9.20	7.77
10 28 13 13-0139			1-1/4" Diameter, Stainless Steel Swing Up Grab Bars (1028 13 13-0115) Note: Includes satin finish.		
10 28 13 13-0140	EA		29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)..... <i>For Peened Grip, Add</i>	422.29 36.78	7.77
10 28 13 13-0141			Shelves (1028 13 13-0001)		
10 28 13 13-0142	EA		5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295).....	84.63	8.74
10 28 13 13-0143	EA		5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295).....	87.77	8.74
10 28 13 13-0144	EA		5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295).....	102.14	8.74
10 28 13 13-0145	EA		5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36).....	105.76	8.74
10 28 13 13-0146	EA		6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296).....	100.06	8.74
10 28 13 13-0147	EA		6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24).....	101.76	8.74
10 28 13 13-0148	EA		8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298).....	110.24	8.74
10 28 13 13-0149	EA		8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298).....	122.52	8.74
10 28 13 13-0150	EA		8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36).....	148.47	8.74
10 28 13 13-0151	EA		5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287).....	110.50	8.74
10 28 13 13-0152	EA		4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683).....	113.11	8.74
10 28 13 13-0153	EA		12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24).....	160.14	8.74
10 28 13 13-0154	EA		12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30).....	172.61	8.74
10 28 13 13-0155	EA		12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36).....	191.85	8.74
10 28 13 13-0156	EA		12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48).....	244.19	8.74
10 28 13 13-0157	EA		12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60).....	339.54	8.74
10 28 13 13-0158	EA		4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412).....	124.59	8.74
10 28 13 13-0159			Changing Stations (1028 13 13-0001)		
10 28 13 13-0160	EA		Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1).....	357.40	11.66
10 28 13 13-0161	EA		Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00).....	382.64	11.66
10 28 13 13-0162	EA		Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00).....	304.51	11.66
10 28 13 13-0163	EA		Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE).....	1,693.76	11.66
10 28 13 13-0164	EA		Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM).....	2,028.44	11.66
10 28 13 13-0165	EA		Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE).....	1,693.76	11.66
10 28 13 13-0166	EA		Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM).....	2,028.44	11.66
10 28 13 13-0167			Folding Shower Seats (1028 13 13-0001)		
10 28 13 13-0168	EA		33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181).....	432.74	15.55
10 28 13 13-0169	EA		33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518).....	597.35	15.55
10 28 13 13-0170	EA		30" Width, Wall-Mounted, Teakwood Folding Shower Seat.....	469.72	15.55



Specialties	10
Interior Specialties	10 20
Toilet, Bath, And Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0171 Soap/Dish Holders <small>(10 28 13 13-0001)</small>		
10 28 13 13-0172 EA Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	28.79	8.74
10 28 13 13-0173 EA Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	30.62	8.74
10 28 13 13-0174 EA Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	69.72	8.74
10 28 13 13-0175 EA Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	78.86	8.74
10 28 13 13-0176 Shower Curtains/Curtain Rods <small>(10 28 13 13-0001)</small>		
10 28 13 13-0177 EA Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	1.59	0.38
10 28 13 13-0178 EA 42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2)	34.17	3.89
Note: Requires 7 curtain hooks.		
10 28 13 13-0179 EA 70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3)	36.39	3.89
Note: Requires 12 curtain hooks.		
10 28 13 13-0180 EA 36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	54.32	8.74
10 28 13 13-0181 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	60.08	8.74
10 28 13 13-0182 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	67.13	8.74
10 28 13 13-0183 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	75.75	8.74
10 28 13 13-0184 EA 36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	44.40	8.74
10 28 13 13-0185 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	51.19	8.74
10 28 13 13-0186 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	55.11	8.74
10 28 13 13-0187 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	60.08	8.74
10 28 13 13-0188 EA 36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	47.27	8.74
10 28 13 13-0189 EA 48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	53.01	8.74
10 28 13 13-0190 EA 60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	59.80	8.74
10 28 13 13-0191 EA 72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	64.51	8.74
10 28 13 13-0192 Hand Dryers <small>(10 28 13 13-0001)</small>		
10 28 13 13-0193 EA Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	418.54	12.79
10 28 13 13-0194 EA Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	456.93	12.79
10 28 13 13-0195 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	514.95	12.79
10 28 13 13-0196 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	762.60	12.79
10 28 13 13-0197 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	513.92	12.79
10 28 13 13-0198 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	578.59	12.79
10 28 13 13-0199 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	530.43	12.79
10 28 13 13-0200 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	551.07	12.79
10 28 13 13-0201 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	573.09	12.79
10 28 13 13-0202 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	664.40	12.79
10 28 13 13-0203 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	914.83	12.79
10 28 13 13-0204 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	1,596.43	12.79
10 28 13 13-0205 EA Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9)	688.77	12.79
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0206 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M)	728.53	12.79
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0207 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG)	751.25	12.79
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0208 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C)	773.97	12.79
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0209 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS)	819.41	12.79
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0210 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9)	552.45	12.79
Note: Electronically adjustable sound and speed.		
10 28 13 13-0211 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M)	592.21	12.79
Note: Electronically adjustable sound and speed.		
10 28 13 13-0212 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG)	614.93	12.79
Note: Electronically adjustable sound and speed.		
10 28 13 13-0213 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C)	637.65	12.79
Note: Electronically adjustable sound and speed.		
10 28 13 13-0214 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS)	683.09	12.79
Note: Electronically adjustable sound and speed.		
10 28 13 13-0215 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)	552.45	12.79
Note: Electronically adjustable sound and speed.		
10 28 13 13-0216 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)	592.21	12.79
Note: Electronically adjustable sound and speed.		
10 28 13 13-0217 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)	614.93	12.79
Note: Electronically adjustable sound and speed.		
10 28 13 13-0218 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C)	637.65	12.79
Note: Electronically adjustable sound and speed.		

10 Specialties

10 20 Interior Specialties

10 28 Toilet, Bath, And Laundry Accessories



MINOR		TOTAL DIRECT		DEMOLITION		
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT	COST
10 28 13 13-0219	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS).....	683.09		12.79	
Note: Electronically adjustable sound and speed.						
10 28 13 13-0220	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90).....	393.41		12.79	
10 28 13 13-0221	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M).....	433.17		12.79	
10 28 13 13-0222	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG).....	455.89		12.79	
10 28 13 13-0223	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C).....	478.61		12.79	
10 28 13 13-0224	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS).....	524.05		12.79	
10 28 13 13-0225	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H).....	393.41		12.79	
10 28 13 13-0226	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH).....	433.17		12.79	
10 28 13 13-0227	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH).....	455.89		12.79	
10 28 13 13-0228	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH).....	478.61		12.79	
10 28 13 13-0229	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH).....	524.05		12.79	
10 28 13 13-0230	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1).....	279.81		12.79	
10 28 13 13-0231	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M).....	319.57		12.79	
10 28 13 13-0232	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C).....	365.01		12.79	
10 28 13 13-0233 Hand Dryers (Excel XLERATOR®) (10 28 13 13-0001)						
Note: With or without noise reduction nozzle options.						
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W).....	567.97		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0235	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-WH).....	808.81		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR).....	670.23		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0237	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With HEPA Filtration System (Excel Xlerator XL-GRH).....	843.45		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0238	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C).....	722.20		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-CH).....	895.42		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0240	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB).....	722.20		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0241	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SBH).....	895.42		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0242	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP).....	670.23		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SPH).....	843.45		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW).....	600.95		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-BWH).....	774.17		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-W-ECO).....	567.97		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0247	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-WH-ECO).....	808.81		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0248	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-GR-ECO).....	670.23		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-GRH-ECO).....	843.45		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0250	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-C-ECO).....	722.20		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-CH-ECO).....	895.42		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-SB-ECO).....	722.20		12.79	
For ADA-Compliant Recess Kit, Add			145.19			
10 28 13 13-0253	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-SBH-ECO).....	895.42		12.79	
For ADA-Compliant Recess Kit, Add			145.19			



Specialties	10
Interior Specialties	10 20
Toilet, Bath, And Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0254 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO) 670.23		12.79
For ADA-Compliant Recess Kit, Add	145.19	
10 28 13 13-0255 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-SPH-ECO) 843.45		12.79
For ADA-Compliant Recess Kit, Add	145.19	
10 28 13 13-0256 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO) 600.95		12.79
For ADA-Compliant Recess Kit, Add	145.19	
10 28 13 13-0257 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-BWH-ECO) 774.17		12.79
For ADA-Compliant Recess Kit, Add	145.19	
10 28 13 13-0258 Additional Accessories (10 28 13 13-0001)		
10 28 13 13-0259 Hooks (10 28 13 13-0258)		
10 28 13 13-0260 EA Stainless Steel Clothes Hook And Bumper (Bobrick B-212) 16.40		3.89
10 28 13 13-0261 EA Single Stainless Steel Robe Hook (Bobrick B-233) 22.14		3.89
10 28 13 13-0262 EA Single Stainless Steel Robe Hook (Bobrick B-7671) 16.92		3.89
10 28 13 13-0263 EA Double Stainless Steel Robe Hook (Bobrick B-7672) 19.48		3.89
10 28 13 13-0264 EA Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727) 40.95		3.89
10 28 13 13-0265 EA Single Stainless Steel Robe Hook (Bobrick B-6717) 35.72		3.89
10 28 13 13-0266 Clotheslines (10 28 13 13-0258)		
10 28 13 13-0267 EA Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636) 28.64		7.77
10 28 13 13-0268 Towel Bars (10 28 13 13-0258)		
10 28 13 13-0269 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18) 34.06		8.74
10 28 13 13-0270 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24) 34.26		8.74
10 28 13 13-0271 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18) 41.93		8.74
10 28 13 13-0272 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24) 42.66		8.74
10 28 13 13-0273 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673) 76.27		8.74
10 28 13 13-0274 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673) 80.71		8.74
10 28 13 13-0275 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674) 79.67		8.74
10 28 13 13-0276 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674) 83.32		8.74
10 28 13 13-0277 EA 18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205) 89.87		8.74
10 28 13 13-0278 EA 24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205) 93.75		8.74
10 28 13 13-0279 EA 18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530) 61.38		8.74
10 28 13 13-0280 EA 24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530) 64.77		8.74
10 28 13 13-0281 Towel Bar With Shelf (10 28 13 13-0258)		
10 28 13 13-0282 EA 24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676) 175.56		8.74
10 28 13 13-0283 Towel Pins (10 28 13 13-0258)		
10 28 13 13-0284 EA Stainless Steel Towel Pin (Bobrick B-677) 39.13		3.89
10 28 13 13-0285 Mirrors (10 28 13 13)		
10 28 13 13-0286 Stainless Steel Channel Frame Glass Mirrors (10 28 13 13-0285)		
10 28 13 13-0287 EA 16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24) 65.55		9.71
10 28 13 13-0288 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824) 79.88		9.71
10 28 13 13-0289 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830) 84.85		9.71
For Tempered Glass (B-1658), Add	41.71	
10 28 13 13-0290 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836) 95.03		9.71
For Tempered Glass (B-1658), Add	48.83	
10 28 13 13-0291 EA 24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430) 108.10		9.71
10 28 13 13-0292 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436) 113.59		9.71
For Tempered Glass (B-1658), Add	61.82	
10 28 13 13-0293 EA 24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448) 149.64		9.71
10 28 13 13-0294 EA 24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460) 179.17		9.71
10 28 13 13-0295 EA 36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36) 224.30		9.71
10 28 13 13-0296 EA 48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836) 292.84		9.71
10 28 13 13-0297 EA 60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36) 334.48		9.71
10 28 13 13-0298 Stainless Steel Channel Frame Glass Mirror/Shelf Combination (10 28 13 13-0285)		
10 28 13 13-0299 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824) 156.43		9.71
10 28 13 13-0300 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830) 171.85		9.71
10 28 13 13-0301 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836) 182.05		9.71
10 28 13 13-0302 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436) 210.79		9.71
10 28 13 13-0303 Stainless Steel Angle Frame Glass Mirrors (10 28 13 13-0285)		
10 28 13 13-0304 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824) 134.72		9.71

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 28 13 13-0305	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830).....	151.74	9.71
		<i>For Tempered Glass (B-290B), Add</i>	83.47	
10 28 13 13-0306	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836).....	157.48	9.71
		<i>For Tempered Glass (B-290B), Add</i>	87.26	
10 28 13 13-0307	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430).....	191.45	9.71
10 28 13 13-0308	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436).....	192.76	9.71
		<i>For Tempered Glass (B-290B), Add</i>	110.54	
10 28 13 13-0309	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448).....	271.40	9.71
10 28 13 13-0310	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460).....	326.28	9.71
10 28 13 13-0311	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472).....	377.50	9.71
10 28 13 13-0312	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36).....	238.01	9.71
10 28 13 13-0313	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36).....	299.08	9.71
10 28 13 13-0314	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36).....	479.69	9.71
10 28 13 13-0315		Stainless Steel Angle Frame Glass Mirror/Shelf Combination (10 28 13 13-0285)		
10 28 13 13-0316	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24).....	140.67	9.71
10 28 13 13-0317	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	317.13	9.71
10 28 13 13-0318	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	334.39	9.71
10 28 13 13-0319	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	377.50	9.71
10 28 13 13-0320		Frameless Stainless Steel Mirrors (10 28 13 13-0285)		
10 28 13 13-0321	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	155.92	9.71
10 28 13 13-0322	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	213.65	9.71
10 28 13 13-0323		Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors (10 28 13 13-0285)		
10 28 13 13-0324	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630).....	226.73	9.71
10 28 13 13-0325	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830).....	237.97	9.71
10 28 13 13-0326	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836).....	296.76	9.71
10 28 13 13-0327	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436).....	374.36	9.71
10 28 13 13-0328		Medicine Cabinets (10 28 13 13)		
10 28 13 13-0329		Metal Medicine Cabinets (10 28 13 13-0328)		
10 28 13 13-0330	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB).....	191.71	19.43
10 28 13 13-0331	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397).....	170.96	19.43
		Note: Includes three adjustable plastic shelves.		
10 28 13 13-0332	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297).....	178.40	19.43
		Note: Includes two fixed shelves with baked white enamel finish.		
10 28 13 13-0333	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398).....	461.91	19.43
		Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0334	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299).....	656.57	19.43
		Note: Includes four adjustable shelves.		
10 28 13 13-0335		Janitorial Material (10 28 13 13)		
10 28 13 13-0336	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670).....	35.72	3.89
10 28 13 13-0337	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24).....	97.43	8.74
10 28 13 13-0338	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24).....	92.74	8.74
10 28 13 13-0339	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1).....	109.29	8.74
10 28 13 13-0340	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36).....	125.66	8.74
10 28 13 13-0341	EA	36" Length, Utility Hook Strip (Gamco HCS-2).....	74.36	8.74
10 28 13 13-0342	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36).....	257.87	8.74
10 28 13 13-0343	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34).....	384.08	8.74
10 28 13 13-0344		Remove And Reinstall Bathroom Accessories (10 28 13 13)		
10 28 13 13-0345	EA	Removal And Reinstallation Of Bathroom Accessory.....	12.15	
10 28 16		Bath Accessories (10 28)		
10 28 16 13		Residential Bath Accessories (10 28 16)		
10 28 16 13-0001		Toilet Accessories (10 28 16 13)		
10 28 16 13-0002		Recessed Mounted, Chrome Plated Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder.....	35.35	8.74
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish.....	48.89	8.74
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar.....	51.64	8.74
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder.....	36.52	8.74
10 28 16 13-0007		Surface Mounted, Chrome Plated Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish.....	22.65	5.83
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook.....	25.72	5.83
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook.....	25.72	5.83
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Chrome Plated Supports, Glass Shelf.....	49.64	5.83
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf.....	41.92	5.83
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar.....	29.30	7.77



Specialties	10
Interior Specialties	10 20
Toilet, Bath, And Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0014 EA 24" Length, Surface Mounted, Chrome Plated Towel Bar	29.64	7.77
10 28 16 13-0015 EA Surface Mounted, Chrome Plated Towel Ring.....	21.90	5.83
10 28 16 13-0016 EA Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder.....	16.82	8.74
10 28 16 13-0017 EA Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder.....	22.65	5.83
10 28 16 13-0018 EA Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder.....	43.23	5.83
10 28 16 13-0019 EA Surface Mounted, Chrome Plated Globe Soap Dispenser.....	26.78	5.83
10 28 16 13-0020 EA Surface Mounted, Chrome Plated Towel Pin.....	28.17	5.83
10 28 16 13-0021 EA Surface Mounted, Chrome Plated Towel Ladder And Shelf	74.94	5.83
10 28 16 13-0022 EA Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	40.42	5.83
10 28 16 13-0023 EA 24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	45.30	5.83
10 28 16 13-0024 Solid Oak Medicine Cabinets (10 28 16 13-0001)		
Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0025 EA 24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	274.19	19.43
10 28 16 13-0026 EA 24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	330.32	19.43
10 28 16 13-0027 EA 30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror.....	292.56	19.43
10 28 16 13-0028 EA 30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	355.38	19.43
10 28 16 13-0029 EA 36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	304.15	19.43
10 28 16 13-0030 EA 36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	377.39	19.43
10 28 16 13-0031 EA 48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	320.05	19.43
10 28 16 13-0032 EA 48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	404.29	19.43
10 28 16 13-0033 Toilet Accessories (10 28 16 13-0001)		
10 28 16 13-0034 EA Surface Mounted Paper Towel Dispenser, Plastic.....	34.91	8.74
10 28 16 13-0035 EA Surface Mounted Napkin Disposal, Plastic.....	31.06	8.74
10 28 16 13-0036 EA Soap Dispenser For Soaps And Detergent, 50 Fluid Oz, Plastic.....	32.42	
10 28 16 13-0037 EA Soap Dispenser For Antibacterial Soaps, 50 Fluid Oz, Plastic.....	36.50	8.74
10 28 16 13-0038 EA Multi Roll (2) Toilet Tissue Dispenser, Plastic.....	34.92	8.74
10 28 16 13-0039 EA Single Jumbo Roll Toilet Tissue Dispenser, Plastic.....	42.80	10.69
10 28 16 13-0040 EA Surface Mounted Toilet Seat Cover Dispenser, Plastic.....	24.16	7.77
10 28 16 13-0041 EA Waste Door For Countertops, 13 Gallon, Plastic.....	81.22	14.58
10 28 19 Tub and Shower Enclosures (10 28)		
10 28 19 16 Shower Doors (10 28 19)		
10 28 19 16-0001 Swinging Shower Doors (10 28 19 16)		
10 28 19 16-0002 Framed, Swinging Shower Doors (10 28 19 16-0001)		
10 28 19 16-0003 EA 24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	312.32	11.30
10 28 19 16-0004 EA 27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	329.82	11.30
10 28 19 16-0005 EA 29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	402.42	11.30
10 28 19 16-0006 EA 33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	327.96	11.30
10 28 19 16-0007 EA 35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	352.75	11.30
10 28 19 16-0008 Sliding Shower Doors (10 28 19 16)		
10 28 19 16-0009 Framed, Sliding Shower Doors (10 28 19 16-0008)		
10 28 19 16-0010 EA 40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	539.29	11.30
10 28 19 16-0011 EA 44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	490.19	11.30
10 28 19 16-0012 EA 46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	503.42	11.30
10 28 19 16-0013 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	517.48	11.30
10 28 19 16-0014 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	525.33	11.30
10 28 19 16-0015 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	536.95	11.30
10 28 19 19 Tub Doors (10 28 19)		
10 28 19 19-0001 Sliding Bathtub Doors (10 28 19 19)		
10 28 19 19-0002 Framed, Sliding Bathtub Doors (10 28 19 19-0001)		
10 28 19 19-0003 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	475.43	11.30
10 28 19 19-0004 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	481.09	11.30
10 28 19 19-0005 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	493.88	11.30

10 40 Safety Specialties (10)

10 Specialties**10 40 Safety Specialties****10 41 Emergency Access And Information Cabinets**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**10 41 Emergency Access And Information Cabinets (10 40)****10 41 13 Fire Department Plan Cabinets (10 41)****10 41 13 00-0001 Fire Department Plan Cabinets (Knox) (10 41 13)**

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	916.17	12.63
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Back Key Hook Panel, Add</i>	56.44	
		<i>For Swing Key Hook Panel, Add</i>	155.44	
		<i>For Non-Locking Weather Housing, Add</i>	389.32	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	972.76	12.63
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Back Key Hook Panel, Add</i>	56.44	
		<i>For Swing Key Hook Panel, Add</i>	155.44	
		<i>For Second Swing Key Hook Panel, Add</i>	122.44	
		<i>For Non-Locking Weather Housing, Add</i>	389.32	

10 41 16 Emergency Key Cabinets (10 41)**10 41 16 00-0001 Emergency Key Cabinets (Knox) (10 41 16)**

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	446.49	12.63
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	389.90	12.63
		<i>For Lift-Off Door, Deduct</i>	-40.00	
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	47.19	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	119.00	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	528.54	12.63
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	47.19	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	130.00	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	563.91	12.63
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	47.19	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	135.00	

10 44 Fire Protection Specialties (10 40)**10 44 13 Fire Protection Cabinets (10 44)****10 44 13 00-0001 Fire Extinguisher Cabinets (10 44 13)****10 44 13 00-0002 Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)****10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	174.87	15.93
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	179.49	15.93
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	180.41	15.93
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	209.05	15.93
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	283.88	15.93
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	294.04	15.93

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	200.67	15.93
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	205.99	15.93
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	214.86	15.93
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	229.94	15.93
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	276.79	15.93
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	290.98	15.93

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	312.69	15.93
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	323.55	15.93
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	328.99	15.93
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	366.12	15.93
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	441.13	15.93
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	463.76	15.93



Specialties	10
Safety Specialties	10 40
Fire Protection Specialties	10 44

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small> Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	891.59	15.93
10 44 13 00-0026 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	898.77	15.93
10 44 13 00-0027 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,045.18	15.93
10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small> Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029 EA 10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	234.92	15.93
10 44 13 00-0030 EA 14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	270.02	15.93
10 44 13 00-0031 Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small>		
10 44 13 00-0032 Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small> Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	199.81	15.93
10 44 13 00-0034 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	209.05	15.93
10 44 13 00-0035 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	209.97	15.93
10 44 13 00-0036 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	241.38	15.93
10 44 13 00-0037 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	304.20	15.93
10 44 13 00-0038 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	314.36	15.93
10 44 13 00-0039 Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small> Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	240.43	15.93
10 44 13 00-0041 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	253.74	15.93
10 44 13 00-0042 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	261.72	15.93
10 44 13 00-0043 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	276.79	15.93
10 44 13 00-0044 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	329.12	15.93
10 44 13 00-0045 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	341.54	15.93
10 44 13 00-0046 Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small> Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	360.53	15.93
10 44 13 00-0048 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	373.21	15.93
10 44 13 00-0049 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	378.64	15.93
10 44 13 00-0050 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	406.71	15.93
10 44 13 00-0051 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	476.44	15.93
10 44 13 00-0052 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	491.84	15.93
10 44 13 00-0053 Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small> Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,147.43	15.93
10 44 13 00-0055 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,153.45	15.93
10 44 13 00-0056 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,335.30	15.93
10 44 13 00-0057 Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small> Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058 EA 10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	268.17	15.93
10 44 13 00-0059 EA 14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	301.43	15.93
10 44 13 00-0060 Surface Mounted Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small>		
10 44 13 00-0061 Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small> Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	192.42	15.93
10 44 13 00-0063 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	197.96	15.93
10 44 13 00-0064 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	242.31	15.93
10 44 13 00-0065 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	296.81	15.93
10 44 13 00-0066 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	311.59	15.93
10 44 13 00-0067 Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small> Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	324.69	15.93
10 44 13 00-0069 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	336.22	15.93
10 44 13 00-0070 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	361.94	15.93
10 44 13 00-0071 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	412.49	15.93
10 44 13 00-0072 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	433.77	15.93
10 44 13 00-0073 Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small> Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	439.31	15.93

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0075	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	456.52	15.93
10 44 13 00-0076	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	499.08	15.93
10 44 13 00-0077	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	581.49	15.93
10 44 13 00-0078	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	606.84	15.93
10 44 13 00-0079			Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,329.63	15.93
10 44 13 00-0081	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,510.09	15.93
10 44 13 00-0082			Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA		13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	247.85	15.93
10 44 13 00-0084	EA		17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	288.50	15.93
10 44 13 00-0085	EA		31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	430.76	15.93
10 44 13 00-0086			Fire Extinguisher Cabinet Accessories (10 44 13 00-0001)		
10 44 13 00-0087	EA		Standard Break Glass Cylinder Lock Mechanism.....	16.80	4.86
10 44 13 00-0088	EA		Breaker Bar And Chain For Break Glass Cabinets.....	14.32	4.86
10 44 13 00-0089	EA		Replacement Standard Pull Handle.....	12.81	4.86
10 44 13 00-0090	EA		Fire Extinguisher Cabinet Battery Operated Alarm.....	51.34	9.71
10 44 13 00-0091	EA		Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	126.62	
10 44 13 00-0092	EA		Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	139.28	
10 44 13 00-0093	EA		Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	189.93	
10 44 13 00-0094	EA		Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	259.57	
10 44 13 00-0095	EA		Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	303.89	
10 44 13 00-0096	EA		Replace Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	73.44	
10 44 13 00-0097	EA		Replace Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	75.97	
10 44 13 00-0098	EA		Replace Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	101.30	
10 44 13 00-0099	EA		Replace Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	183.60	
10 44 13 00-0100	EA		Replace Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	186.13	
10 44 13 00-0101	EA		Replace Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets.....	77.52	
10 44 13 00-0102	EA		Replace Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets.....	81.40	
10 44 13 00-0103	EA		Replace Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets.....	109.82	
10 44 13 00-0104	EA		Replace Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets.....	193.80	
10 44 13 00-0105	EA		Replace Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets.....	196.38	
10 44 13 00-0106			Fire Hose Cabinets (10 44 13) Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107			Recessed Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0108			Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107) Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA		34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	327.77	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0110	EA		34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	333.81	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0111	EA		38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	338.84	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0112	EA		38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	343.88	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0113	EA		30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	349.91	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0114	EA		38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	366.01	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0115	EA		23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	371.04	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0116			Aluminum Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107) Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA		34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	359.07	74.33
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0118	EA		30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	368.96	74.33
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0119	EA		34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	370.25	74.33
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0120	EA		38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	374.36	74.33
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0121	EA		38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	379.75	74.33
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0122	EA		38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	395.04	74.33
			<i>For Solid Aluminum Door, Add</i>	6.50	



Specialties	10
Safety Specialties	10 40
Fire Protection Specialties	10 44

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0123 EA 23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	410.33 6.50	74.33
10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107) Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125 EA 23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	448.09 -7.70	74.33
10 44 13 00-0126 EA 34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	494.85 -7.70	74.33
10 44 13 00-0127 EA 34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	499.35 -7.70	74.33
10 44 13 00-0128 EA 38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	513.73 -7.70	74.33
10 44 13 00-0129 EA 38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	518.23 -7.70	74.33
10 44 13 00-0130 EA 30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	541.61 -7.70	74.33
10 44 13 00-0131 EA 38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	564.99 -7.70	74.33
10 44 13 00-0132 Semi Recessed Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132) Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	343.88 -8.60	74.33
10 44 13 00-0135 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	349.91 -8.60	74.33
10 44 13 00-0136 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	354.94 -8.60	74.33
10 44 13 00-0137 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	360.97 -8.60	74.33
10 44 13 00-0138 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	366.01 -8.60	74.33
10 44 13 00-0139 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	382.10 -8.60	74.33
10 44 13 00-0140 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	388.14 -8.60	74.33
10 44 13 00-0141 Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132) Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	368.96 6.50	74.33
10 44 13 00-0143 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	379.75 6.50	74.33
10 44 13 00-0144 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	381.30 6.50	74.33
10 44 13 00-0145 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	384.25 6.50	74.33
10 44 13 00-0146 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	389.65 6.50	74.33
10 44 13 00-0147 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	404.93 6.50	74.33
10 44 13 00-0148 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	420.22 6.50	74.33
10 44 13 00-0149 Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132) Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	475.97 -7.70	74.33
10 44 13 00-0151 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	527.22 -7.70	74.33
10 44 13 00-0152 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	531.72 -7.70	74.33
10 44 13 00-0153 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	546.11 -7.70	74.33
10 44 13 00-0154 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	550.60 -7.70	74.33
10 44 13 00-0155 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	573.98 -7.70	74.33
10 44 13 00-0156 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	597.36 -7.70	74.33
10 44 13 00-0157 Surface Mount Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157) Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0159	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	349.91	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0160	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	354.94	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0161	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	360.97	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0162	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	366.01	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0163	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	371.04	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0164	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	388.14	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0165	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	393.18	74.33
			<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0166			Aluminum Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)		
			Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	395.04	74.33
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0168	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	404.93	74.33
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0169	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	407.50	74.33
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0170	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	410.33	74.33
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0171	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	414.82	74.33
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0172	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	431.01	74.33
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0173	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	440.90	74.33
			<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0174			Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)		
			Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	513.73	74.33
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0176	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	663.00	74.33
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0177	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	700.77	74.33
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0178	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	709.76	74.33
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0179	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	718.75	74.33
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0180	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	756.52	74.33
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0181	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	803.28	74.33
			<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 16 Fire Extinguishers (10 44)					
10 44 16 13 Portable Fire Extinguishers (10 44 16)					
			Note: Includes filling, certification, bracket, hardware and mounting on wall.		
10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher (10 44 16 13)					
10 44 16 13-0002	EA		2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	162.67	5.05
			<i>For >5 To 10, Deduct</i>	-6.84	
			<i>For >10, Deduct</i>	-13.68	
			<i>For Placement In Cabinet, Deduct</i>	-12.96	
10 44 16 13-0003	EA		5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	255.91	5.83
			<i>For >5 To 10, Deduct</i>	-11.30	
			<i>For >10, Deduct</i>	-22.60	
			<i>For Placement In Cabinet, Deduct</i>	-14.95	
10 44 16 13-0004	EA		10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	332.94	7.39
			<i>For >5 To 10, Deduct</i>	-14.70	
			<i>For >10, Deduct</i>	-29.41	
			<i>For Placement In Cabinet, Deduct</i>	-19.44	
10 44 16 13-0005	EA		15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	408.25	9.33
			<i>For >5 To 10, Deduct</i>	-17.98	
			<i>For >10, Deduct</i>	-35.97	
			<i>For Placement In Cabinet, Deduct</i>	-24.30	
10 44 16 13-0006	EA		20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	460.53	9.33
			<i>For >5 To 10, Deduct</i>	-20.60	
			<i>For >10, Deduct</i>	-41.19	
			<i>For Placement In Cabinet, Deduct</i>	-24.30	
10 44 16 13-0007	EA		50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	1,680.34	14.77
			<i>For >5 To 10, Deduct</i>	-80.13	
			<i>For >10, Deduct</i>	-160.26	
10 44 16 13-0008	EA		100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	3,368.58	14.77
			<i>For >5 To 10, Deduct</i>	-164.54	
			<i>For >10, Deduct</i>	-329.09	
10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher (10 44 16 13)					



Specialties	10
Safety Specialties	10 40
Fire Protection Specialties	10 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0010	EA		2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	77.25 -2.57 -5.13 -12.96	5.05
10 44 16 13-0011	EA		5 LB Dry Chemical, Type ABC Portable Fire Extinguisher <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	103.84 -3.70 -7.40 -14.95	5.83
10 44 16 13-0012	EA		10 LB Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	154.78 -5.80 -11.59 -19.44	7.39
10 44 16 13-0013	EA		20 LB Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	231.02 -9.12 -18.24 -24.30	9.33
10 44 16 13-0014	EA		50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	1,992.79 -95.75 -191.51	14.77
10 44 16 13-0015	EA		125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	3,082.68 -150.25 -300.50	14.77
10 44 16 13-0016			Other Portable Fire Extinguishers (10 44 16 13)		
10 44 16 13-0017	EA		2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher..... Note: Stainless steel. <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	181.57 -7.58 -15.17 -14.95	5.83
10 44 16 13-0018	EA		1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher..... Note: Stainless steel. <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	267.50 -10.95 -21.89 -24.30	9.33
10 44 16 13-0019	EA		2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher..... Note: Stainless steel. <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	284.32 -11.79 -23.57 -24.30	9.33
10 44 16 13-0020	EA		30 LB Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel. <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	456.08 -20.37 -40.75	9.33
10 44 16 13-0021			Recharge Existing Portable Fire Extinguishers (10 44 16 13) Note: Includes removal, filling, testing, certification and reinstallation.		
10 44 16 13-0022			Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers (10 44 16 13-0021)		
10 44 16 13-0023	EA		Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher	9.84	
10 44 16 13-0024	EA		Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher	10.93	
10 44 16 13-0025	EA		Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher	11.36	
10 44 16 13-0026	EA		Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher	12.86	
10 44 16 13-0027	EA		Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher	14.86	
10 44 16 13-0028			Recharge Dry Chemical, Class ABC Portable Fire Extinguishers (10 44 16 13-0021)		
10 44 16 13-0029	EA		Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	11.86	
10 44 16 13-0030	EA		Recharge 5 LB Dry Chemical Portable Fire Extinguisher	14.36	
10 44 16 13-0031	EA		Recharge 10 LB Dry Chemical Portable Fire Extinguisher	20.29	
10 44 16 13-0032	EA		Recharge 20 LB Dry Chemical Portable Fire Extinguisher	32.03	
10 44 16 13-0033			Recharge Other Portable Fire Extinguishers (10 44 16 13-0021)		
10 44 16 13-0034	EA		Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	11.74	
10 44 16 13-0035	EA		Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....	83.68	
10 44 16 13-0036	EA		Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....	117.15	
10 44 16 13-0037	EA		Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher.....	48.23	
10 44 16 13-0038			Fire Extinguisher Backboards (10 44 16 13)		
10 44 16 13-0039			Fire Extinguisher Backboards (10 44 16 13-0038) Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0040	EA		Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	53.67	6.71
10 44 16 13-0041	EA		Relocate Fire Extinguisher Wood Backboard, Any Size	59.27	
			Note: Includes storage and cleaning.		
10 44 16 13-0042			Inspections And Testing (10 44 16 13)		
10 44 16 13-0043	EA		On Site Fire Extinguisher Annual Inspection (Tag).....	10.62	
10 44 16 13-0044	EA		On Site Fire Extinguisher Hydrotest.....	15.61	
10 44 19			Fire Blankets (10 44)		

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 19 00-0001	EA		Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB).....	270.77	15.93
			Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 44 19 00-0002	EA		Drop Type Fire Blanket Cabinet (JL Industries 2FB).....	183.01	15.93
			Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		

10 45 Photoluminescent Exit Specialties (10 40)**10 45 00 00-0001 Photoluminescent Illuminated Egress Markings** (10 45)

10 45 00 00-0002	LF		1" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors.....	3.77	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.26	
10 45 00 00-0003	LF		1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors.....	4.07	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.26	
10 45 00 00-0004	LF		2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors.....	4.37	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.26	
10 45 00 00-0005	LF		1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors.....	4.07	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.26	
10 45 00 00-0006	LF		2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors.....	4.68	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.26	
10 45 00 00-0007	LF		1-1/2" Wide Egress Photoluminescent Danger Warning Marking Tape With Stripes Applied To Floors.....	5.05	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.26	
10 45 00 00-0008	EA		1" Wide x 48" Long Photoluminescent Strip Exit Path Marking Applied To Floors.....	22.55	
			Note: Self adhesive, high bond foam backing.		
10 45 00 00-0009	EA		1" Wide x 30" Long Aluminum Stair Nosing With Photoluminescent Strip.....	22.51	
			Note: Self adhesive, high bond foam backing.		

10 50 Storage Specialties (10)**10 51 Lockers** (10 50)**10 51 13 Metal Lockers** (10 51)**10 51 13 00-0001 Institutional And Corridor Lockers** (10 51 13)

Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker (10 51 13 00-0001)

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA		12" x 12" x 60" Single Tier Institutional Or Corridor Locker.....	142.68	12.05
			<i>For >25 To 50, Deduct</i>	-5.93	
			<i>For >50 To 100, Deduct</i>	-12.22	
			<i>For >100, Deduct</i>	-18.51	
			<i>For 14 Gauge Doors, Add</i>	9.49	
10 51 13 00-0004	EA		12" x 15" x 60" Single Tier Institutional Or Corridor Locker.....	148.97	12.05
			<i>For >25 To 50, Deduct</i>	-6.24	
			<i>For >50 To 100, Deduct</i>	-12.85	
			<i>For >100, Deduct</i>	-19.45	
			<i>For 14 Gauge Doors, Add</i>	9.99	
10 51 13 00-0005	EA		12" x 18" x 60" Single Tier Institutional Or Corridor Locker.....	157.56	12.05
			<i>For >25 To 50, Deduct</i>	-6.67	
			<i>For >50 To 100, Deduct</i>	-13.71	
			<i>For >100, Deduct</i>	-20.74	
			<i>For 14 Gauge Doors, Add</i>	10.68	
10 51 13 00-0006	EA		12" x 12" x 72" Single Tier Institutional Or Corridor Locker.....	156.49	12.44
			<i>For >25 To 50, Deduct</i>	-6.58	
			<i>For >50 To 100, Deduct</i>	-13.54	
			<i>For >100, Deduct</i>	-20.49	
			<i>For 14 Gauge Doors, Add</i>	10.53	
10 51 13 00-0007	EA		12" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	161.70	12.44
			<i>For >25 To 50, Deduct</i>	-6.84	
			<i>For >50 To 100, Deduct</i>	-14.06	
			<i>For >100, Deduct</i>	-21.27	
			<i>For 14 Gauge Doors, Add</i>	10.95	
10 51 13 00-0008	EA		12" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	166.78	12.44
			<i>For >25 To 50, Deduct</i>	-7.10	
			<i>For >50 To 100, Deduct</i>	-14.56	
			<i>For >100, Deduct</i>	-22.03	
			<i>For 14 Gauge Doors, Add</i>	11.35	
10 51 13 00-0009	EA		15" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	175.54	12.44
			<i>For >25 To 50, Deduct</i>	-7.53	
			<i>For >50 To 100, Deduct</i>	-15.44	
			<i>For >100, Deduct</i>	-23.35	
			<i>For 14 Gauge Doors, Add</i>	12.05	
10 51 13 00-0010	EA		15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	184.22	12.44
			<i>For >25 To 50, Deduct</i>	-7.97	
			<i>For >50 To 100, Deduct</i>	-16.31	
			<i>For >100, Deduct</i>	-24.65	
			<i>For 14 Gauge Doors, Add</i>	12.75	



Specialties	10
Storage Specialties	10 50
Lockers	10 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0011	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	193.41 -8.43 -17.23 -26.03 13.48	12.44
10 51	13 00-0012	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	201.89 -8.85 -18.08 -27.30 14.16	12.44
10 51	13 00-0013	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	279.42 -12.73 -25.83 -38.93 20.36	12.44
10 51 13 00-0014 Two Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>					
Note: Includes three single hooks and one double hook per tier.					
10 51	13 00-0015	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	171.16 -7.31 -15.00 -22.69 16.09	12.44
10 51	13 00-0016	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	175.11 -7.51 -15.40 -23.28 16.53	12.44
10 51	13 00-0017	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	179.10 -7.71 -15.80 -23.88 16.97	12.44
10 51	13 00-0018	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	179.20 -7.68 -15.74 -23.80 16.89	12.82
10 51	13 00-0019	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	187.86 -8.11 -16.61 -25.10 17.84	12.82
10 51	13 00-0020	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	193.08 -8.37 -17.13 -25.88 18.42	12.82
10 51	13 00-0021	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	200.57 -8.75 -17.88 -27.01 19.24	12.82
10 51	13 00-0022	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	208.09 -9.12 -18.63 -28.14 20.07	12.82
10 51	13 00-0023	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	242.11 -10.82 -22.03 -33.24 23.81	12.82
10 51	13 00-0024	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	248.29 -11.13 -22.65 -34.17 24.49	12.82
10 51 13 00-0025 Three Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>					
Note: Includes one double hook per tier.					
10 51	13 00-0026	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	202.96 -8.83 -18.05 -27.27 26.48	13.21
10 51	13 00-0027	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	207.02 -9.03 -18.46 -27.88 27.09	13.21
10 51	13 00-0028	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	221.47 -9.75 -19.90 -30.05 29.26	13.21

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0029	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	235.30	13.21
			For >25 To 50, Deduct	-10.44	
			For >50 To 100, Deduct	-21.28	
			For >100, Deduct	-32.12	
			For 14 Gauge Doors, Add	31.33	
10 51	13 00-0030	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	246.31	13.21
			For >25 To 50, Deduct	-10.99	
			For >50 To 100, Deduct	-22.38	
			For >100, Deduct	-33.77	
			For 14 Gauge Doors, Add	32.98	
10 51	13 00-0031		Four Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
10 51	13 00-0032	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	198.30	13.61
			For >25 To 50, Deduct	-8.55	
			For >50 To 100, Deduct	-17.52	
			For >100, Deduct	-26.48	
10 51	13 00-0033	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	205.40	13.61
			For >25 To 50, Deduct	-8.91	
			For >50 To 100, Deduct	-18.23	
			For >100, Deduct	-27.54	
10 51	13 00-0034	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	216.81	13.61
			For >25 To 50, Deduct	-9.48	
			For >50 To 100, Deduct	-19.37	
			For >100, Deduct	-29.26	
10 51	13 00-0035	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	225.94	13.61
			For >25 To 50, Deduct	-9.94	
			For >50 To 100, Deduct	-20.28	
			For >100, Deduct	-30.63	
10 51	13 00-0036	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	239.08	13.61
			For >25 To 50, Deduct	-10.59	
			For >50 To 100, Deduct	-21.60	
			For >100, Deduct	-32.60	
10 51	13 00-0037		Six Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
10 51	13 00-0038	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	216.92	13.99
			For >25 To 50, Deduct	-9.45	
			For >50 To 100, Deduct	-19.31	
			For >100, Deduct	-29.18	
10 51	13 00-0039	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	222.38	13.99
			For >25 To 50, Deduct	-9.72	
			For >50 To 100, Deduct	-19.86	
			For >100, Deduct	-30.00	
10 51	13 00-0040	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	232.71	13.99
			For >25 To 50, Deduct	-10.24	
			For >50 To 100, Deduct	-20.89	
			For >100, Deduct	-31.55	
10 51	13 00-0041		Locker And Coat Rack Combination (10 51 13 00-0001)		
10 51	13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	425.27	9.33
10 51	13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	673.45	19.43
10 51	13 00-0044		All-Welded Steel Lockers (10 51 13)		
10 51	13 00-0045		All-Welded Steel Lockers (10 51 13 00-0044)		
			Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51	13 00-0046		Single Tier, All-Welded Steel Lockers (10 51 13 00-0045)		
			Note: Includes one hat shelf, two single hooks and one double hook.		
10 51	13 00-0047	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	235.87	6.80
			For >25 To 50, Deduct	-11.31	
			For >50 To 100, Deduct	-22.76	
			For >100, Deduct	-34.22	
10 51	13 00-0048	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	249.22	6.80
			For >25 To 50, Deduct	-11.98	
			For >50 To 100, Deduct	-24.10	
			For >100, Deduct	-36.22	
10 51	13 00-0049	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	262.08	6.80
			For >25 To 50, Deduct	-12.62	
			For >50 To 100, Deduct	-25.38	
			For >100, Deduct	-38.15	
10 51	13 00-0050	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	246.89	6.80
			For >25 To 50, Deduct	-11.86	
			For >50 To 100, Deduct	-23.86	
			For >100, Deduct	-35.87	
10 51	13 00-0051	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	259.75	6.80
			For >25 To 50, Deduct	-12.50	
			For >50 To 100, Deduct	-25.15	
			For >100, Deduct	-37.80	
10 51	13 00-0052	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	272.60	6.80
			For >25 To 50, Deduct	-13.14	
			For >50 To 100, Deduct	-26.43	
			For >100, Deduct	-39.72	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0053	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	259.76 -12.45 -25.07 -37.68	7.49
10 51	13 00-0054	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	271.66 -13.05 -26.26 -39.47	7.49
10 51	13 00-0055	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	284.51 -13.69 -27.54 -41.39	7.49
10 51	13 00-0056	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	296.53 -14.29 -28.74 -43.20	7.49
10 51	13 00-0057	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	306.43 -14.79 -29.73 -44.68	7.49
10 51	13 00-0058	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	320.09 -15.47 -31.10 -46.73	7.49
10 51	13 00-0059	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	335.46 -16.24 -32.64 -49.04	7.49
10 51	13 00-0060	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	566.90 -27.81 -55.78 -83.75	7.49
10 51 13 00-0061 Two Tier, All-Welded Steel Lockers (10 51 13 00-0045)					
Note: Includes two single hooks and one double hook per tier.					
10 51	13 00-0062	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	288.56 -13.94 -28.03 -42.12	6.80
10 51	13 00-0063	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	294.46 -14.24 -28.62 -43.00	6.80
10 51	13 00-0064	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	310.29 -15.03 -30.20 -45.38	6.80
10 51	13 00-0065	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	299.38 -14.43 -29.03 -43.62	7.49
10 51	13 00-0066	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	321.20 -15.53 -31.21 -46.90	7.49
10 51	13 00-0067	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	333.10 -16.12 -32.40 -48.68	7.49
10 51	13 00-0068	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	350.05 -16.97 -34.10 -51.22	7.49
10 51	13 00-0069	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	358.03 -17.37 -34.89 -52.42	7.49
10 51	13 00-0070	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	381.03 -18.52 -37.19 -55.87	7.49
10 51	13 00-0071	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	398.85 -19.41 -38.98 -58.54	7.49
10 51 13 00-0072 Three Tier, All-Welded Steel Lockers (10 51 13 00-0045)					
Note: Includes two single hooks and one double hook per tier.					
10 51	13 00-0073	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	360.85 -17.51 -35.18 -52.84	7.49
10 51	13 00-0074	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	369.79 -17.96 -36.07 -54.19	7.49

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0075	EA		12" x 18" x 72" Three Tier, All-Welded Steel Locker	378.67	7.49
			<i>For >25 To 50, Deduct</i>	-18.40	
			<i>For >50 To 100, Deduct</i>	-36.96	
			<i>For >100, Deduct</i>	-55.52	
10 51 13 00-0076	EA		15" x 15" x 72" Three Tier, All-Welded Steel Locker	399.70	7.49
			<i>For >25 To 50, Deduct</i>	-19.45	
			<i>For >50 To 100, Deduct</i>	-39.06	
			<i>For >100, Deduct</i>	-58.67	
10 51 13 00-0077	EA		15" x 18" x 72" Three Tier, All-Welded Steel Locker	403.58	7.49
			<i>For >25 To 50, Deduct</i>	-19.64	
			<i>For >50 To 100, Deduct</i>	-39.45	
			<i>For >100, Deduct</i>	-59.25	
10 51 13 00-0078			Four Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
10 51 13 00-0079	EA		12" x 12" x 72" Four Tier, All-Welded Steel Locker	339.65	7.49
			<i>For >25 To 50, Deduct</i>	-16.45	
			<i>For >50 To 100, Deduct</i>	-33.06	
			<i>For >100, Deduct</i>	-49.66	
10 51 13 00-0080	EA		12" x 15" x 72" Four Tier, All-Welded Steel Locker	348.09	7.49
			<i>For >25 To 50, Deduct</i>	-16.87	
			<i>For >50 To 100, Deduct</i>	-33.90	
			<i>For >100, Deduct</i>	-50.93	
10 51 13 00-0081	EA		12" x 18" x 72" Four Tier, All-Welded Steel Locker	356.48	7.49
			<i>For >25 To 50, Deduct</i>	-17.29	
			<i>For >50 To 100, Deduct</i>	-34.74	
			<i>For >100, Deduct</i>	-52.19	
10 51 13 00-0082	EA		15" x 15" x 72" Four Tier, All-Welded Steel Locker	376.26	7.49
			<i>For >25 To 50, Deduct</i>	-18.28	
			<i>For >50 To 100, Deduct</i>	-36.72	
			<i>For >100, Deduct</i>	-55.16	
10 51 13 00-0083	EA		15" x 18" x 72" Four Tier, All-Welded Steel Locker	379.86	7.49
			<i>For >25 To 50, Deduct</i>	-18.46	
			<i>For >50 To 100, Deduct</i>	-37.08	
			<i>For >100, Deduct</i>	-55.70	
10 51 13 00-0084			Six Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
10 51 13 00-0085	EA		12" x 12" x 72" Six Tier, All-Welded Steel Locker	352.78	7.49
			<i>For >25 To 50, Deduct</i>	-17.10	
			<i>For >50 To 100, Deduct</i>	-34.37	
			<i>For >100, Deduct</i>	-51.63	
10 51 13 00-0086	EA		12" x 15" x 72" Six Tier, All-Welded Steel Locker	365.10	7.49
			<i>For >25 To 50, Deduct</i>	-17.72	
			<i>For >50 To 100, Deduct</i>	-35.60	
			<i>For >100, Deduct</i>	-53.48	
10 51 13 00-0087	EA		12" x 18" x 72" Six Tier, All-Welded Steel Locker	374.17	7.49
			<i>For >25 To 50, Deduct</i>	-18.17	
			<i>For >50 To 100, Deduct</i>	-36.51	
			<i>For >100, Deduct</i>	-54.84	
10 51 13 00-0088			All Welded Locker Accessories <small>(10 51 13 00-0044)</small>		
10 51 13 00-0089	EA		ADA Requirements For All Welded Lockers	70.14	
10 51 13 00-0090	EA		Solid Boxed End Panel For 12" Deep All Welded Lockers.....	111.32	1.55
10 51 13 00-0091	EA		Solid Boxed End Panel For 15" Deep All Welded Lockers.....	129.36	1.55
10 51 13 00-0092	EA		Recessed Trim For All Welded Lockers.....	77.92	1.55
10 51 13 00-0093	EA		Built In Combination Lock For All Welded Lockers	24.16	1.55
10 51 13 00-0094	EA		Pad Lock For All Welded Lockers.....	19.81	1.55
10 51 13 00-0095			Athletic Lockers <small>(10 51 13)</small>		
			Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0096			Single Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
			Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0097	EA		12" x 15" x 72" Single Tier Athletic Locker	231.46	12.44
			<i>For >25 To 50, Deduct</i>	-10.33	
			<i>For >50 To 100, Deduct</i>	-21.03	
			<i>For >100, Deduct</i>	-31.73	
10 51 13 00-0098	EA		12" x 18" x 72" Single Tier Athletic Locker	246.48	12.44
			<i>For >25 To 50, Deduct</i>	-11.08	
			<i>For >50 To 100, Deduct</i>	-22.53	
			<i>For >100, Deduct</i>	-33.99	
10 51 13 00-0099	EA		15" x 15" x 72" Single Tier Athletic Locker	251.75	12.44
			<i>For >25 To 50, Deduct</i>	-11.34	
			<i>For >50 To 100, Deduct</i>	-23.06	
			<i>For >100, Deduct</i>	-34.78	
10 51 13 00-0100	EA		15" x 18" x 72" Single Tier Athletic Locker	261.39	12.44
			<i>For >25 To 50, Deduct</i>	-11.83	
			<i>For >50 To 100, Deduct</i>	-24.03	
			<i>For >100, Deduct</i>	-36.22	
10 51 13 00-0101	EA		18" x 18" x 72" Single Tier Athletic Locker	285.15	12.44
			<i>For >25 To 50, Deduct</i>	-13.01	
			<i>For >50 To 100, Deduct</i>	-26.40	
			<i>For >100, Deduct</i>	-39.79	



Specialties	10
Storage Specialties	10 50
Lockers	10 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0102	EA		18" x 21" x 72" Single Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	310.05 -14.26 -28.89 -43.52	12.44
10 51 13 00-0103			Two Tier Athletic Locker (10 51 13 00-0095) Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0104	EA		12" x 12" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	260.43 -11.74 -23.86 -35.99	12.82
10 51 13 00-0105	EA		12" x 15" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	269.52 -12.19 -24.77 -37.35	12.82
10 51 13 00-0106	EA		12" x 18" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	281.90 -12.81 -26.01 -39.21	12.82
10 51 13 00-0107	EA		15" x 15" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	283.78 -12.91 -26.20 -39.49	12.82
10 51 13 00-0108	EA		15" x 18" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	293.96 -13.42 -27.22 -41.02	12.82
10 51 13 00-0109	EA		18" x 18" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	306.46 -14.04 -28.47 -42.89	12.82
10 51 13 00-0110	EA		18" x 21" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	334.53 -15.44 -31.27 -47.10	12.82
10 51 13 00-0111			Three Tier Athletic Locker (10 51 13 00-0095) Note: Includes one double hook per tier.		
10 51 13 00-0112	EA		12" x 12" x 72" Three Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	289.35 -13.15 -26.69 -40.23	13.21
10 51 13 00-0113	EA		12" x 15" x 72" Three Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	302.34 -13.80 -27.99 -42.18	13.21
10 51 13 00-0114	EA		12" x 18" x 72" Three Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	320.25 -14.69 -29.78 -44.87	13.21
10 51 13 00-0115	EA		15" x 15" x 72" Three Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	329.42 -15.15 -30.70 -46.24	13.21
10 51 13 00-0116	EA		15" x 18" x 72" Three Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	343.18 -15.84 -32.07 -48.31	13.21
10 51 13 00-0117			Four Tier Athletic Locker (10 51 13 00-0095)		
10 51 13 00-0118	EA		12" x 12" x 72" Four Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	267.14 -12.00 -24.40 -36.81	13.61
10 51 13 00-0119	EA		12" x 15" x 72" Four Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	285.01 -12.89 -26.19 -39.49	13.61
10 51 13 00-0120	EA		12" x 18" x 72" Four Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	302.86 -13.78 -27.97 -42.16	13.61
10 51 13 00-0121	EA		15" x 15" x 72" Four Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	312.01 -14.24 -28.89 -43.54	13.61
10 51 13 00-0122	EA		15" x 18" x 72" Four Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	318.87 -14.58 -29.57 -44.57	13.61
10 51 13 00-0123			Six Tier Athletic Locker (10 51 13 00-0095)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0124	EA	12" x 12" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	297.95 -13.50 -27.42 -41.33	13.99
10 51	13 00-0125	EA	12" x 15" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	311.68 -14.19 -28.79 -43.39	13.99
10 51	13 00-0126	EA	12" x 18" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	325.37 -14.87 -30.16 -45.45	13.99
10 51	13 00-0127	EA	12" x 21" x 72" Six Tier Athletic Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	375.36 -17.37 -35.16 -52.95	13.99
10 51	13 00-0128		Metal Locker Accessories <i>(10 51 13)</i>		
10 51	13 00-0129		Locker Slope Tops <i>(10 51 13 00-0128)</i>		
10 51	13 00-0130		16 Gauge Continuous Sloping Hood <i>(10 51 13 00-0129)</i>		
10 51	13 00-0131	LF	12" Deep, 16 Gauge Continuous Slope Top.....	17.74	1.55
10 51	13 00-0132	LF	15" Deep, 16 Gauge Continuous Slope Top.....	14.62	1.55
10 51	13 00-0133	LF	18" Deep, 16 Gauge Continuous Slope Top.....	20.94	1.55
10 51	13 00-0134	LF	21" Deep, 16 Gauge Continuous Slope Top.....	23.37	1.55
10 51	13 00-0135	LF	24" Deep, 16 Gauge Continuous Slope Top.....	24.51	1.55
10 51	13 00-0136		16 Gauge Slope Top Corner Fillers <i>(10 51 13 00-0129)</i>		
10 51	13 00-0137	EA	12" Deep, 16 Gauge Slope Top Corner Fillers.....	80.48	1.55
10 51	13 00-0138	EA	15" Deep, 16 Gauge Slope Top Corner Fillers.....	82.25	1.55
10 51	13 00-0139	EA	18" Deep, 16 Gauge Slope Top Corner Fillers.....	84.01	1.55
10 51	13 00-0140	EA	21" Deep, 16 Gauge Slope Top Corner Fillers.....	86.15	1.55
10 51	13 00-0141	EA	24" Deep, 16 Gauge Slope Top Corner Fillers.....	88.26	1.55
10 51	13 00-0142		20 Gauge Individual Slope Top <i>(10 51 13 00-0129)</i>		
10 51	13 00-0143	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top.....	14.93	1.55
10 51	13 00-0144	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top.....	14.81	1.55
10 51	13 00-0145	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top.....	16.73	1.55
10 51	13 00-0146	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top.....	16.73	1.55
10 51	13 00-0147	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top.....	17.19	1.55
10 51	13 00-0148	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top.....	19.01	1.55
10 51	13 00-0149	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top.....	19.01	1.55
10 51	13 00-0150	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top.....	21.40	1.55
10 51	13 00-0151	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top.....	24.25	1.55
10 51	13 00-0152		Continuous Slope Top End Closures <i>(10 51 13 00-0129)</i>		
10 51	13 00-0153	PR	12" Deep, Continuous Slope Top End Closures.....	16.06	1.55
10 51	13 00-0154	PR	15" Deep, Continuous Slope Top End Closures.....	13.31	1.55
10 51	13 00-0155	PR	18" Deep, Continuous Slope Top End Closures.....	18.32	1.55
10 51	13 00-0156	PR	21" Deep, Continuous Slope Top End Closures.....	19.47	1.55
10 51	13 00-0157	PR	24" Deep, Continuous Slope Top End Closures.....	20.24	1.55
10 51	13 00-0158		Individual Slope Top End Closures <i>(10 51 13 00-0129)</i>		
10 51	13 00-0159	EA	12" Deep, Individual Slope Top End Closures.....	9.58	1.55
10 51	13 00-0160	EA	15" Deep, Individual Slope Top End Closures.....	9.94	1.55
10 51	13 00-0161	EA	18" Deep, Individual Slope Top End Closures.....	10.73	1.55
10 51	13 00-0162	EA	21" Deep, Individual Slope Top End Closures.....	11.28	1.55
10 51	13 00-0163	EA	24" Deep, Individual Slope Top End Closures.....	16.88	1.55
10 51	13 00-0164		Locker Base <i>(10 51 13 00-0128)</i>		
10 51	13 00-0165		Closed Front Base <i>(10 51 13 00-0164)</i>		
10 51	13 00-0166	EA	12" Wide, 6" High Closed Front Base.....	10.19	1.55
10 51	13 00-0167	EA	15" Wide, 6" High Closed Front Base.....	10.78	1.55
10 51	13 00-0168	EA	18" Wide, 6" High Closed Front Base.....	12.02	1.55
10 51	13 00-0169	EA	24" Wide, 6" High Closed Front Base.....	12.61	1.55
10 51	13 00-0170		Closed End Base <i>(10 51 13 00-0164)</i>		
10 51	13 00-0171	EA	12" Deep, 6" High Closed End Base.....	11.84	1.55
10 51	13 00-0172	EA	15" Deep, 6" High Closed End Base.....	11.94	1.55
10 51	13 00-0173	EA	18" Deep, 6" High Closed End Base.....	12.74	1.55
10 51	13 00-0174	EA	21" Deep, 6" High Closed End Base.....	13.53	1.55
10 51	13 00-0175	EA	24" Deep, 6" High Closed End Base.....	14.61	1.55
10 51	13 00-0176		Recessed Continuous Front "Z" Base <i>(10 51 13 00-0164)</i>		
10 51	13 00-0177	LF	4" High Recessed Continuous Front "Z" Base.....	13.10	1.17



Specialties	10
Storage Specialties	10 50
Lockers	10 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0178 "Z" Base Ends Or Splice (10 51 13 00-0164)		
10 51 13 00-0179 EA 12" Wide, 4" High Z-Base Ends Or Splice	12.48	1.55
10 51 13 00-0180 EA 15" Wide, 4" High Z-Base Ends Or Splice	14.81	1.55
10 51 13 00-0181 EA 18" Wide, 4" High Z-Base Ends Or Splice	17.19	1.55
10 51 13 00-0182 EA 21" Wide, 4" High Z-Base Ends Or Splice	19.69	1.55
10 51 13 00-0183 EA 24" Wide, 4" High Z-Base Ends Or Splice	22.19	1.55
10 51 13 00-0184 Locker Front Fillers And End Panels (10 51 13 00-0128)		
10 51 13 00-0185 Locker Front Fillers (10 51 13 00-0184)		
10 51 13 00-0186 EA 6" Wide x 60" High, 16 Gauge Front Filler	21.28	1.94
10 51 13 00-0187 EA 12" Wide x 60" High, 16 Gauge Front Filler	34.41	1.94
10 51 13 00-0188 EA 6" Wide x 66" High, 16 Gauge Front Filler	23.41	1.94
10 51 13 00-0189 EA 12" Wide x 66" High, 16 Gauge Front Filler	26.66	1.94
10 51 13 00-0190 EA 6" Wide x 72" High, 16 Gauge Front Filler	25.90	1.94
10 51 13 00-0191 EA 12" Wide x 72" High, 16 Gauge Front Filler	37.95	1.94
10 51 13 00-0192 EA 6" Wide x 78" High, 16 Gauge Front Filler	26.58	1.94
10 51 13 00-0193 EA 12" Wide x 78" High, 16 Gauge Front Filler	31.46	1.94
10 51 13 00-0194 Locker End Panels (10 51 13 00-0164)		
10 51 13 00-0195 EA 12" Deep x 60" High, 16 Gauge End Panel	35.14	1.55
10 51 13 00-0196 EA 15" Deep x 60" High, 16 Gauge End Panel	40.17	1.55
10 51 13 00-0197 EA 18" Deep x 60" High, 16 Gauge End Panel	48.08	1.55
10 51 13 00-0198 EA 12" Deep x 72" High, 16 Gauge End Panel	41.83	1.55
10 51 13 00-0199 EA 15" Deep x 72" High, 16 Gauge End Panel	47.95	1.55
10 51 13 00-0200 EA 18" Deep x 72" High, 16 Gauge End Panel	56.09	1.55
10 51 13 00-0201 EA 21" Deep x 72" High, 16 Gauge End Panel	64.93	1.55
10 51 13 00-0202 Locker Recessed Trim (10 51 13 00-0128)		
10 51 13 00-0203 LF 3" Height, Top Trim For Recessed Lockers	5.36	0.78
10 51 13 00-0204 EA 3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	15.69	1.55
10 51 13 00-0205 EA 60" Height, 3" Wide Side Trim For Recessed Lockers	25.13	1.55
10 51 13 00-0206 EA 66" Height, 3" Wide Side Trim For Recessed Lockers	26.12	1.55
10 51 13 00-0207 EA 72" Height, 3" Wide Side Trim For Recessed Lockers	27.12	1.55
10 51 13 00-0208 EA 78" Height, 3" Wide Side Trim For Recessed Lockers	27.99	1.55
10 51 13 00-0209 Locker Interior Accessories (10 51 13 00-0128)		
10 51 13 00-0210 Locker Coat Rods (10 51 13 00-0209)		
10 51 13 00-0211 EA 12" Wide Coat Rod	7.39	1.55
10 51 13 00-0212 EA 15" Wide Coat Rod	8.32	1.55
10 51 13 00-0213 EA 18" Wide Coat Rod	9.14	1.55
10 51 13 00-0214 EA 24" Wide Coat Rod	9.87	1.55
10 51 13 00-0215 Locker Hat Shelf (10 51 13 00-0209)		
10 51 13 00-0216 EA 12" Wide Hat Shelf	9.34	1.55
10 51 13 00-0217 EA 15" Wide Hat Shelf	11.35	1.55
10 51 13 00-0218 EA 18" Wide Hat Shelf	12.19	1.55
10 51 13 00-0219 EA 24" Wide Hat Shelf	15.53	1.55
10 51 13 00-0220 Locker ADA Compliant Shelf (10 51 13 00-0209)		
10 51 13 00-0221 EA ADA Compliant Shelf For Single Tier Lockers	20.11	1.94
Note: Includes an ADA label for locker face.		
10 51 13 00-0222 Other Interior Locker Accessories (10 51 13 00-0209)		
10 51 13 00-0223 EA 3" x 10" Bent Plate Shoe Rack	28.07	1.55
10 51 13 00-0224 EA 8" x 10" Mirror	21.83	1.55
10 51 13 00-0225 EA Additional Hook	4.67	1.55
10 51 13 00-0226 Locker Locks (10 51 13 00-0128)		
10 51 13 00-0227 EA Built In Combination Lock	24.16	1.55
10 51 13 00-0228 Locker Repair And Refinishing (10 51 13)		
10 51 13 00-0229 EA Replace Single Tier Locker Door	180.81	
10 51 13 00-0230 EA Replace Two Tier Locker Door	141.70	
10 51 13 00-0231 EA Replace Three Tier Locker Door	120.24	
10 51 13 00-0232 EA Replace Four Tier Locker Door	100.28	
10 51 13 00-0233 EA Replace Six Tier Or Sixteen Person Locker Door	49.71	
10 51 13 00-0234 EA Realign Metal Locker Door For Proper Closure	13.01	
10 51 13 00-0235 SF Patch Small Drill Holes In Locker	2.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 51 13 00-0236 Steel Basket Racks Mounted On Concrete Base (10 51 13)
 Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.

10 51 13 00-0237	EA		9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack.....	1,193.84	29.15
10 51 13 00-0238	EA		12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack.....	1,014.44	29.15

10 51 26 Plastic Lockers (10 51)

10 51 26 00-0001 Solid Plastic Lockers (10 51 26)
 Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.

10 51 26 00-0002 Single Tier Solid Plastic Lockers (10 51 26 00-0001)
 Note: Includes one double hook per tier.

10 51 26 00-0003	EA		12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	282.19	12.05
			<i>For >50 To 100, Deduct</i>	-25.81	
			<i>For >100, Deduct</i>	-39.44	
10 51 26 00-0004	EA		12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	287.37	12.05
			<i>For >50 To 100, Deduct</i>	-26.33	
			<i>For >100, Deduct</i>	-40.21	
10 51 26 00-0005	EA		12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	292.55	12.05
			<i>For >50 To 100, Deduct</i>	-26.85	
			<i>For >100, Deduct</i>	-40.99	
10 51 26 00-0006	EA		15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	300.31	12.05
			<i>For >50 To 100, Deduct</i>	-27.62	
			<i>For >100, Deduct</i>	-42.15	
10 51 26 00-0007	EA		15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	292.10	12.05
			<i>For >50 To 100, Deduct</i>	-26.80	
			<i>For >100, Deduct</i>	-40.92	
10 51 26 00-0008	EA		18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	294.28	12.05
			<i>For >50 To 100, Deduct</i>	-27.02	
			<i>For >100, Deduct</i>	-41.25	
10 51 26 00-0009	EA		18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	290.45	12.05
			<i>For >50 To 100, Deduct</i>	-26.64	
			<i>For >100, Deduct</i>	-40.68	
10 51 26 00-0010	EA		18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	311.83	12.05
			<i>For >50 To 100, Deduct</i>	-28.77	
			<i>For >100, Deduct</i>	-43.88	
10 51 26 00-0011	EA		12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	306.90	12.05
			<i>For >50 To 100, Deduct</i>	-28.28	
			<i>For >100, Deduct</i>	-43.14	
10 51 26 00-0012	EA		12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	312.65	12.05
			<i>For >50 To 100, Deduct</i>	-28.86	
			<i>For >100, Deduct</i>	-44.01	
10 51 26 00-0013	EA		12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	318.40	12.05
			<i>For >50 To 100, Deduct</i>	-29.43	
			<i>For >100, Deduct</i>	-44.87	
10 51 26 00-0014	EA		15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	331.56	12.05
			<i>For >50 To 100, Deduct</i>	-30.75	
			<i>For >100, Deduct</i>	-46.84	
10 51 26 00-0015	EA		15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	349.65	12.05
			<i>For >50 To 100, Deduct</i>	-32.56	
			<i>For >100, Deduct</i>	-49.56	
10 51 26 00-0016	EA		18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	333.20	12.05
			<i>For >50 To 100, Deduct</i>	-30.91	
			<i>For >100, Deduct</i>	-47.09	
10 51 26 00-0017	EA		18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	362.79	12.05
			<i>For >50 To 100, Deduct</i>	-33.87	
			<i>For >100, Deduct</i>	-51.53	
10 51 26 00-0018	EA		12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	309.19	12.05
			<i>For >50 To 100, Deduct</i>	-28.51	
			<i>For >100, Deduct</i>	-43.49	
10 51 26 00-0019	EA		12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	326.05	12.05
			<i>For >50 To 100, Deduct</i>	-30.20	
			<i>For >100, Deduct</i>	-46.02	
10 51 26 00-0020	EA		12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	342.93	12.05
			<i>For >50 To 100, Deduct</i>	-31.88	
			<i>For >100, Deduct</i>	-48.55	
10 51 26 00-0021	EA		15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	330.57	12.05
			<i>For >50 To 100, Deduct</i>	-30.65	
			<i>For >100, Deduct</i>	-46.69	
10 51 26 00-0022	EA		15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	348.44	12.05
			<i>For >50 To 100, Deduct</i>	-32.43	
			<i>For >100, Deduct</i>	-49.37	
10 51 26 00-0023	EA		15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	366.33	12.05
			<i>For >50 To 100, Deduct</i>	-34.22	
			<i>For >100, Deduct</i>	-52.06	
10 51 26 00-0024	EA		18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	351.95	12.05
			<i>For >50 To 100, Deduct</i>	-32.79	
			<i>For >100, Deduct</i>	-49.90	
10 51 26 00-0025	EA		18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	370.85	12.05
			<i>For >50 To 100, Deduct</i>	-34.68	
			<i>For >100, Deduct</i>	-52.74	
10 51 26 00-0026	EA		12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	354.75	12.44
			<i>For >50 To 100, Deduct</i>	-32.99	
			<i>For >100, Deduct</i>	-50.23	



Specialties	10
Storage Specialties	10 50
Lockers	10 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0027 EA 12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	373.66	12.44
For >50 To 100, Deduct	-34.88	
For >100, Deduct	-53.06	
10 51 26 00-0028 EA 12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	392.55	12.44
For >50 To 100, Deduct	-36.77	
For >100, Deduct	-55.90	
10 51 26 00-0029 EA 15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	379.29	12.44
For >50 To 100, Deduct	-35.44	
For >100, Deduct	-53.91	
10 51 26 00-0030 EA 15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	399.23	12.44
For >50 To 100, Deduct	-37.44	
For >100, Deduct	-56.90	
10 51 26 00-0031 EA 15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	419.15	12.44
For >50 To 100, Deduct	-39.43	
For >100, Deduct	-59.89	
10 51 26 00-0032 EA 18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	398.85	12.44
For >50 To 100, Deduct	-37.40	
For >100, Deduct	-56.84	
10 51 26 00-0033 EA 18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	424.78	12.44
For >50 To 100, Deduct	-39.99	
For >100, Deduct	-60.73	
10 51 26 00-0034 EA 18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	445.72	12.44
For >50 To 100, Deduct	-42.09	
For >100, Deduct	-63.87	
10 51 26 00-0035 Double Tier Solid Plastic Lockers (10 51 26 00-0001)		
Note: Includes one double hook per tier.		
10 51 26 00-0036 EA 12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	317.53	12.44
For >50 To 100, Deduct	-29.27	
For >100, Deduct	-44.65	
10 51 26 00-0037 EA 12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	322.46	12.44
For >50 To 100, Deduct	-29.76	
For >100, Deduct	-45.38	
10 51 26 00-0038 EA 12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	329.86	12.44
For >50 To 100, Deduct	-30.50	
For >100, Deduct	-46.49	
10 51 26 00-0039 EA 15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	327.39	12.44
For >50 To 100, Deduct	-30.25	
For >100, Deduct	-46.12	
10 51 26 00-0040 EA 15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	340.55	12.44
For >50 To 100, Deduct	-31.57	
For >100, Deduct	-48.10	
10 51 26 00-0041 EA 15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	371.78	12.44
For >50 To 100, Deduct	-34.69	
For >100, Deduct	-52.78	
10 51 26 00-0042 EA 18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	330.69	12.44
For >50 To 100, Deduct	-30.58	
For >100, Deduct	-46.62	
10 51 26 00-0043 EA 18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	346.60	12.44
For >50 To 100, Deduct	-32.17	
For >100, Deduct	-49.01	
10 51 26 00-0044 EA 18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	375.08	12.44
For >50 To 100, Deduct	-35.02	
For >100, Deduct	-53.28	
10 51 26 00-0045 EA 12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	328.84	12.44
For >50 To 100, Deduct	-30.40	
For >100, Deduct	-46.34	
10 51 26 00-0046 EA 12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	354.59	12.44
For >50 To 100, Deduct	-32.97	
For >100, Deduct	-50.20	
10 51 26 00-0047 EA 12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	361.95	12.44
For >50 To 100, Deduct	-33.71	
For >100, Deduct	-51.31	
10 51 26 00-0048 EA 15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	358.90	12.44
For >50 To 100, Deduct	-33.40	
For >100, Deduct	-50.85	
10 51 26 00-0049 EA 15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	375.96	12.44
For >50 To 100, Deduct	-35.11	
For >100, Deduct	-53.41	
10 51 26 00-0050 EA 18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	379.30	12.44
For >50 To 100, Deduct	-35.44	
For >100, Deduct	-53.91	
10 51 26 00-0051 EA 18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	397.34	12.44
For >50 To 100, Deduct	-37.25	
For >100, Deduct	-56.62	
10 51 26 00-0052 EA 18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	415.39	12.44
For >50 To 100, Deduct	-39.05	
For >100, Deduct	-59.32	
10 51 26 00-0053 EA 12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	382.02	12.82
For >50 To 100, Deduct	-35.64	
For >100, Deduct	-54.23	
10 51 26 00-0054 EA 12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	400.07	12.82
For >50 To 100, Deduct	-37.44	
For >100, Deduct	-56.93	
10 51 26 00-0055 EA 12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	409.47	12.82
For >50 To 100, Deduct	-38.38	
For >100, Deduct	-58.34	

10 Specialties

10 50 Storage Specialties

10 51 Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0056	EA		15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	405.45 -37.98 -57.74	12.82
10 51 26 00-0057	EA		15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	424.48 -39.88 -60.59	12.82
10 51 26 00-0058	EA		15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	443.50 -41.79 -63.45	12.82
10 51 26 00-0059	EA		18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	408.85 -38.32 -58.25	12.82
10 51 26 00-0060	EA		18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	448.87 -42.32 -64.25	12.82
10 51 26 00-0061	EA		18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	468.86 -44.32 -67.25	12.82
10 51 26 00-0062 Triple Tier Solid Plastic Lockers (10 51 26 00-0001)					
Note: Includes one double hook per tier.					
10 51 26 00-0063	EA		12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	312.14 -28.65 -43.74	12.82
10 51 26 00-0064	EA		15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	325.68 -30.00 -45.77	12.82
10 51 26 00-0065	EA		15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	338.10 -31.25 -47.64	12.82
10 51 26 00-0066	EA		12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	340.50 -31.49 -48.00	12.82
10 51 26 00-0067	EA		12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	369.43 -34.38 -52.34	12.82
10 51 26 00-0068	EA		12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	369.56 -34.39 -52.36	12.82
10 51 26 00-0069	EA		15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	385.35 -35.97 -54.72	12.82
10 51 26 00-0070	EA		15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	401.20 -37.56 -57.10	12.82
10 51 26 00-0071	EA		15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	417.04 -39.14 -59.48	12.82
10 51 26 00-0072	EA		18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	404.30 -37.87 -57.57	12.82
10 51 26 00-0073	EA		18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	421.05 -39.54 -60.08	12.82
10 51 26 00-0074	EA		18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	437.81 -41.22 -62.59	12.82
10 51 26 00-0075	EA		12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	406.88 -38.05 -57.86	13.21
10 51 26 00-0076	EA		12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	423.64 -39.72 -60.37	13.21
10 51 26 00-0077	EA		12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	435.41 -40.90 -62.14	13.21
10 51 26 00-0078	EA		15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	428.63 -40.22 -61.12	13.21
10 51 26 00-0079	EA		15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	433.95 -40.75 -61.92	13.21
10 51 26 00-0080	EA		15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	453.09 -42.67 -64.79	13.21
10 51 26 00-0081	EA		18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	421.03 -39.46 -59.98	13.21
10 51 26 00-0082	EA		18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	459.95 -43.35 -65.82	13.21
10 51 26 00-0083	EA		18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®) For >50 To 100, Deduct For >100, Deduct	487.51 -46.11 -69.95	13.21

10 51 26 00-0084 Four Tier Solid Plastic Lockers (10 51 26 00-0001)



	Specialties	10
	Storage Specialties	10 50
	Lockers	10 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0085	EA	12" x 12" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	364.30 -33.79 -51.47	13.21
10 51 26 00-0086	EA	12" x 15" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	375.29 -34.89 -53.12	13.21
10 51 26 00-0087	EA	12" x 18" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	395.54 -36.91 -56.16	13.21
10 51 26 00-0088	EA	15" x 12" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	393.07 -36.66 -55.79	13.21
10 51 26 00-0089	EA	15" x 15" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	419.32 -39.29 -59.73	13.21
10 51 26 00-0090	EA	15" x 18" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	427.60 -40.12 -60.97	13.21
10 51 26 00-0091	EA	18" x 12" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	423.49 -39.71 -60.35	13.21
10 51 26 00-0092	EA	18" x 15" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	437.46 -41.10 -62.45	13.21
10 51 26 00-0093	EA	18" x 18" x 60"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	477.75 -45.13 -68.49	13.21
10 51 26 00-0094	EA	12" x 12" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	420.94 -39.37 -59.88	13.61
10 51 26 00-0095	EA	12" x 15" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	440.42 -41.32 -62.80	13.61
10 51 26 00-0096	EA	12" x 18" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	442.96 -41.58 -63.18	13.61
10 51 26 00-0097	EA	15" x 12" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	467.51 -44.03 -66.86	13.61
10 51 26 00-0098	EA	15" x 15" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	444.79 -41.76 -63.45	13.61
10 51 26 00-0099	EA	15" x 18" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	465.37 -43.82 -66.54	13.61
10 51 26 00-0100	EA	18" x 12" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	444.01 -41.68 -63.34	13.61
10 51 26 00-0101	EA	18" x 15" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	468.67 -44.15 -67.04	13.61
10 51 26 00-0102	EA	18" x 18" x 72"	Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	505.62 -47.84 -72.58	13.61
10 51 26 00-0103			Five Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0104	EA	12" x 12" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	397.11 -37.03 -56.35	13.41
10 51 26 00-0105	EA	12" x 15" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	410.72 -38.39 -58.39	13.41
10 51 26 00-0106	EA	12" x 18" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	424.33 -39.75 -60.43	13.41
10 51 26 00-0107	EA	15" x 12" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	415.66 -38.88 -59.13	13.41
10 51 26 00-0108	EA	15" x 15" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	440.03 -41.32 -62.79	13.41
10 51 26 00-0109	EA	15" x 18" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	451.83 -42.50 -64.56	13.41
10 51 26 00-0110	EA	18" x 12" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	447.72 -42.09 -63.94	13.41
10 51 26 00-0111	EA	18" x 15" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	460.87 -43.41 -65.91	13.41
10 51 26 00-0112	EA	18" x 18" x 60"	Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	503.62 -47.68 -72.32	13.41
10 51 26 00-0113	EA	12" x 12" x 72"	Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	434.03 -40.64 -61.79	13.80

10 Specialties
10 50 Storage Specialties
10 51 Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0114	EA		12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	449.28	13.80
			For >50 To 100, Deduct	-42.17	
			For >100, Deduct	-64.08	
10 51 26 00-0115	EA		12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	464.53	13.80
			For >50 To 100, Deduct	-43.69	
			For >100, Deduct	-66.37	
10 51 26 00-0116	EA		15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	459.19	13.80
			For >50 To 100, Deduct	-43.16	
			For >100, Deduct	-65.57	
10 51 26 00-0117	EA		15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	469.92	13.80
			For >50 To 100, Deduct	-44.23	
			For >100, Deduct	-67.18	
10 51 26 00-0118	EA		15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	485.99	13.80
			For >50 To 100, Deduct	-45.84	
			For >100, Deduct	-69.59	
10 51 26 00-0119	EA		18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	473.64	13.80
			For >50 To 100, Deduct	-44.60	
			For >100, Deduct	-67.73	
10 51 26 00-0120	EA		18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	492.07	13.80
			For >50 To 100, Deduct	-46.45	
			For >100, Deduct	-70.50	
10 51 26 00-0121	EA		18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	513.45	13.80
			For >50 To 100, Deduct	-48.59	
			For >100, Deduct	-73.71	
10 51 26 00-0122			Six Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0123	EA		15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	459.68	13.61
			For >50 To 100, Deduct	-43.25	
			For >100, Deduct	-65.69	
10 51 26 00-0124	EA		12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	450.51	13.99
			For >50 To 100, Deduct	-42.25	
			For >100, Deduct	-64.22	
10 51 26 00-0125	EA		12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	465.74	13.99
			For >50 To 100, Deduct	-43.78	
			For >100, Deduct	-66.50	
10 51 26 00-0126	EA		12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	475.91	13.99
			For >50 To 100, Deduct	-44.79	
			For >100, Deduct	-68.03	
10 51 26 00-0127	EA		15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	496.22	13.99
			For >50 To 100, Deduct	-46.82	
			For >100, Deduct	-71.08	
10 51 26 00-0128	EA		15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	502.15	13.99
			For >50 To 100, Deduct	-47.42	
			For >100, Deduct	-71.96	
10 51 26 00-0129	EA		15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	506.39	13.99
			For >50 To 100, Deduct	-47.84	
			For >100, Deduct	-72.60	
10 51 26 00-0130	EA		18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	508.07	13.99
			For >50 To 100, Deduct	-48.01	
			For >100, Deduct	-72.85	
10 51 26 00-0131	EA		18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	526.70	13.99
			For >50 To 100, Deduct	-49.87	
			For >100, Deduct	-75.65	
10 51 26 00-0132	EA		18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	551.26	13.99
			For >50 To 100, Deduct	-52.33	
			For >100, Deduct	-79.33	
10 51 26 00-0133			Solid Plastic Locker Accessories (10 51 26 00-0001)		
10 51 26 00-0134			Slope Tops For Solid Plastic Lockers (10 51 26 00-0133)		
			Note: Price per frame.		
10 51 26 00-0135	EA		Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	20.70	
10 51 26 00-0136			Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133)		
			Note: Price per frame.		
10 51 26 00-0137	EA		Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	22.89	
10 51 26 00-0138			End Panels For Solid Plastic Lockers (10 51 26 00-0133)		
			Note: Price per frame.		
10 51 26 00-0139	EA		End Panel For Solid Plastic Lockers (Tufftec Lockers®).....	54.78	
10 51 26 00-0140			Venting Options For Solid Plastic Locker Doors (10 51 26 00-0133)		
			Note: Price per frame.		
10 51 26 00-0141	EA		Horizontal Venting Option For Solid Plastic Locker Doors.....	21.99	
10 51 26 00-0142			Filler Panels For Solid Plastic Lockers (10 51 26 00-0133)		
			Note: Full locker height. Width and height cut to size in the field.		
10 51 26 00-0143	EA		Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®).....	53.68	
10 51 26 00-0144			Locker Accessories For Solid Plastic Lockers (10 51 26 00-0133)		



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 51 26 00-0145	EA	Built In Hasp For Solid Plastic Lockers	5.49	
		Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146	EA	Built In Combination Lock For Solid Plastic Lockers	16.49	
10 51 26 00-0147	EA	Built In Key Lock For Solid Plastic Lockers	21.99	

10 51 53 Locker Room Benches (10 51)

10 51 53 00-0001	LF	Hardwood Bench With Aluminum Pedestals	64.67	1.94
10 51 53 00-0002	LF	Hardwood Bench With Painted Steel Pedestals	50.90	1.94
10 51 53 00-0003	LF	Plastic Laminated Bench With Steel Pedestals	79.64	1.94
10 51 53 00-0004	LF	Solid Plastic Bench With Steel Pedestals	75.95	1.94
10 51 53 00-0005	LF	Aluminum Bench With Aluminum Pedestals	58.21	1.94

10 55 Postal Specialties (10 50)

10 55 23 Mail Boxes (10 55)

10 55 23 23 Residential Mail Boxes (10 55 23)

10 55 23 23-0001 Residential Mail Boxes (10 55 23 23)

10 55 23 23-0002	EA	13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	49.01	4.38
		For Stainless Steel Sleeve, Add	12.28	
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate	68.03	4.38
		For Stainless Steel Sleeve, Add	12.28	
10 55 23 23-0004	EA	Aluminum Or Galvanized Wall Mounted Mailbox	44.26	3.89
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post	62.60	4.86

10 55 23 26 Commercial Mail Boxes (10 55 23)

10 55 23 26-0001 Commercial Mail Boxes (10 55 23 26)

10 55 23 26-0002	EA	Surface Mounted Aluminum Letter Box With Key Lock	215.46	5.83
10 55 23 26-0003	EA	Recessed Mounted Aluminum Letter Box With Key Lock	250.39	5.83
10 55 23 26-0004	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Group (NDCBU) Mailbox	1,132.56	11.66
		Note: Any door combination. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0005	EA	24" x 27" x 15" Deep, Aluminum Pedestal Mounted Group (NDCBU) Mailbox	1,339.47	15.55
		Note: Any door combination. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0006	BOX	4-1/2" x 5-1/2" x 15-1/2" Private Use Aluminum Horizontal Mailboxes, Per Box	38.15	5.83
10 55 23 26-0007	BOX	10-3/4" x 5-1/2" x 15-1/2" Private Use Aluminum Horizontal Mailboxes, Per Box	84.90	7.77
10 55 23 26-0008	BOX	6-3/8" x 5" x 17" US Postal Service Approved Aluminum Horizontal Mailboxes, Per Box	51.12	4.86
10 55 23 26-0009	BOX	12-7/8" x 5" x 17" US Postal Service Approved Aluminum Horizontal Mailboxes, Per Box	79.16	7.77

10 55 26 Parcel Lockers (10 55)

10 55 26 00-0001 Parcel Lockers (10 55 26)

10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker	837.14	11.66
		Note: Two compartments.		
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker	992.99	15.55
		Note: Two compartments.		

10 56 Storage Assemblies (10 50)

10 56 13 Metal Storage Shelving (10 56)

10 56 13 16 Post-And-Shelf Metal Storage Shelving (10 56 13)

10 56 13 16-0001 Baked Enamel Steel Shelving (10 56 13 16)

10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type (10 56 13 16-0001)

10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	81.24	9.86
		For >75" To 87" High, Add	7.25	
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf	81.12	10.36
		For >75" To 87" High, Add	7.19	
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf	77.32	11.35
		For >75" To 87" High, Add	6.73	
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf	99.43	12.33
		For >75" To 87" High, Add	8.88	
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf	111.79	12.83
		For >75" To 87" High, Add	10.04	
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf	107.14	13.82
		For >75" To 87" High, Add	9.50	
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf	119.36	14.80
		For >75" To 87" High, Add	10.65	

10 56 13 16-0010 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed (10 56 13 16-0001)

		Note: Adjustable shelves.		
10 56 13 16-0011	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	59.69	5.03
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	58.82	5.38
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	66.26	5.73
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	68.85	6.07
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	79.57	6.46



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 56 13 16-0016			4 Shelf Unit, 40" High Unit (10 56 13 16-0001)		
10 56 13 16-0017	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	68.42	9.86
10 56 13 16-0018	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	54.58	10.36
10 56 13 16-0019	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	62.84	11.35
10 56 13 16-0020	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	66.19	12.33
10 56 13 16-0021	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	76.01	12.83
10 56 16			Fabricated Wood Storage Shelving (10 56)		
10 56 16 00-0001			Shelving (10 56 16)		
10 56 16 00-0002			Built-In Wood Shelving (10 56 16 00-0001) Note: Priced by shelf area. Includes hardware and trim.		
10 56 16 00-0003	SF		Built-in Wood Storage Shelving Post And Trimmed Plywood	7.33	0.99
			For Each SF Of Lumber Edge Band, Add	0.69	
			For Each SF Of Prefinished Shelves, Add	2.32	
10 56 16 00-0004	SF		Built-in Wood Storage Shelving Post And Solid Clear Pine	7.91	1.18
			For Each SF Of Lumber Edge Band, Add	0.69	
			For Each SF Of Prefinished Shelves, Add	2.32	
10 56 16 00-0005	SF		Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod.....	8.00	1.98
			For Each SF Of Lumber Edge Band, Add	0.69	
			For Each SF Of Prefinished Shelves, Add	2.32	
10 56 16 00-0006			Wood Shelving, White Pine, Clear Grade, Wall Mounted (10 56 16 00-0001)		
10 56 16 00-0007	LF		1" x 8" White Pine Clear Grade Wood Shelving.....	6.18	2.37
10 56 16 00-0008	LF		1" x 10" White Pine Clear Grade Wood Shelving.....	6.76	2.53
10 56 16 00-0009	LF		1" x 12" White Pine Clear Grade Wood Shelving.....	7.43	2.73
10 56 16 00-0010	SF		Wood Shelving, 2" White Pine Clear Grade.....	9.57	
10 56 16 00-0011			Plywood Shelf With Edge Band (10 56 16 00-0001)		
10 56 16 00-0012	LF		3/4" Plywood Shelf, 12" Wide With Edge Band.....	7.38	2.37
10 56 16 00-0013	LF		3/4" Plywood Shelf, 24" Wide With Edge Band.....	11.26	2.97
10 56 16 00-0014			Adjustable Shelf And Rod (10 56 16 00-0001)		
10 56 16 00-0015	EA		12" Wide Adjustable Shelf, 3' To 6' Long Including Rod	61.47	8.89
10 56 16 00-0016	EA		12" Wide Adjustable Shelf, 5' To 8' Long Including Rod	72.96	11.85
10 56 16 00-0017			Prefinished Wood Shelves With Brackets And Supports (10 56 16 00-0001)		
10 56 16 00-0018	LF		Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	6.50	2.37
10 56 16 00-0019	LF		Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	7.05	2.53
10 56 16 00-0020	SF		Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	22.46	3.95
10 56 16 00-0021			Wood Shelving, Oak, Clear Grade, Wall Mounted (10 56 16 00-0001)		
10 56 16 00-0022	LF		Wood Shelving, 1" X 8" Oak Clear Grade.....	7.24	3.72
10 56 17			Wall-Mounted Standards and Shelving (10 56)		
10 56 17 00-0001			Galvanized Steel, Wall Mounted Solid Shelving (10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0002	LF		8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	44.05	3.89
			For Installation On Concrete Walls, Add	1.22	
			For Installation On Concrete Block Walls, Add	1.82	
10 56 17 00-0003	LF		10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	45.81	3.89
			For Installation On Concrete Walls, Add	1.22	
			For Installation On Concrete Block Walls, Add	1.82	
10 56 17 00-0004	LF		12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	49.87	3.89
			For Installation On Concrete Walls, Add	1.22	
			For Installation On Concrete Block Walls, Add	1.82	
10 56 17 00-0005	LF		16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	55.11	3.89
			For Installation On Concrete Walls, Add	1.22	
			For Installation On Concrete Block Walls, Add	1.82	
10 56 17 00-0006	LF		18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	56.41	3.89
			For Installation On Concrete Walls, Add	1.22	
			For Installation On Concrete Block Walls, Add	1.82	
10 56 17 00-0007	LF		24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	67.65	3.89
			For Installation On Concrete Walls, Add	1.22	
			For Installation On Concrete Block Walls, Add	1.82	
10 56 17 00-0008			304 Stainless Steel, Wall Mounted Solid Shelving (10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009	LF		8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	75.92	3.89
			For Installation On Concrete Walls, Add	1.22	
			For Installation On Concrete Block Walls, Add	1.82	
10 56 17 00-0010	LF		10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	83.87	3.89
			For Installation On Concrete Walls, Add	1.22	
			For Installation On Concrete Block Walls, Add	1.82	



Specialties	10
Storage Specialties	10 50
Storage Assemblies	10 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0011	LF		12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	91.87 1.22 1.82	3.89
10 56 17 00-0012	LF		16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	110.24 1.22 1.82	3.89
10 56 17 00-0013	LF		18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	121.11 1.22 1.82	3.89
10 56 17 00-0014	LF		24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	136.82 1.22 1.82	3.89
10 56 17 00-0015			Laminated Particleboard, Wall Mounted Solid Shelving ^(10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016	LF		8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	27.51 1.22 1.82	3.89
10 56 17 00-0017	LF		10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	28.69 1.22 1.82	3.89
10 56 17 00-0018	LF		12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	30.13 1.22 1.82	3.89
10 56 17 00-0019	LF		16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	32.21 1.22 1.82	3.89
10 56 17 00-0020	LF		18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	34.72 1.22 1.82	3.89
10 56 17 00-0021	LF		24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	41.49 1.22 1.82	3.89
10 56 17 00-0022			Chrome Plated Steel, Wall Mounted Wire Shelving ^(10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023	LF		14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	42.94 1.22 1.82	3.89
10 56 17 00-0024	LF		18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	49.07 1.22 1.82	3.89
10 56 17 00-0025			Stainless Steel, Wall Mounted Wire Shelving ^(10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0026	LF		14" Depth, Stainless Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	109.49 1.22 1.82	3.89
10 56 17 00-0027	LF		18" Depth, Stainless Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	114.18 1.22 1.82	3.89
10 56 17 00-0028			Prefinished Hardwood Plywood, Wall Mounted Solid Shelving ^(10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0029	LF		8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	25.43 1.65 2.25	3.89
10 56 17 00-0030	LF		10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	26.15 1.66 2.26	3.89
10 56 17 00-0031	LF		12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	26.61 1.67 2.27	3.89
10 56 17 00-0032	LF		16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	28.35 1.69 2.29	3.89
10 56 17 00-0033	LF		18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	29.23 1.70 2.30	3.89
10 56 17 00-0034	LF		24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	31.89 1.73 2.33	3.89
10 56 17 00-0035			Wall Mounted Shelving Accessories ^(10 56 17)		
10 56 17 00-0036	LF		Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit.....	16.15	
10 56 29			Storage Racks ^(10 56)		
10 56 29 53			Newspaper Storage Racks ^(10 56 29)		
10 56 29 53-0001			Newspaper Rack ^(10 56 29 53)		
10 56 29 53-0002	EA		SHO- Rack, Newspaper Rack	2,112.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 57 Wardrobe And Closet Specialties (10 50)**10 57 13 Hat And Coat Racks** (10 57)

10 57 13 00-0001 Hat And Coat Rack (10 57 13)

10 57 13 00-0002 Single Tier (10 57 13 00-0001)

10 57 13 00-0003	LF	Single Tier Hat And Coat Rack Baked Enameled Steel	33.90	1.94
		<i>For Custom Made Units, Add</i>	17.25	
10 57 13 00-0004	LF	Single Tier Hat And Coat Rack Stainless Steel	26.42	1.94
		<i>For Custom Made Units, Add</i>	12.76	
10 57 13 00-0005	LF	Single Tier Hat And Coat Rack Aluminum	41.30	1.94
		<i>For Custom Made Units, Add</i>	21.69	

10 57 13 00-0006 Double Tier (10 57 13 00-0001)

10 57 13 00-0007	LF	Double Tier Hat And Coat Rack Baked Enameled Steel	46.19	1.94
		<i>For Custom Made Units, Add</i>	23.89	
10 57 13 00-0008	LF	Double Tier Hat And Coat Rack Stainless Steel	28.51	1.94
		<i>For Custom Made Units, Add</i>	13.28	
10 57 13 00-0009	LF	Double Tier Hat And Coat Rack Aluminum	70.14	1.94
		<i>For Custom Made Units, Add</i>	38.26	

10 70 Exterior Specialties (10)**10 71 Exterior Protection** (10 70)**10 71 13 Exterior Sun Control Devices** (10 71)**10 71 13 13 Exterior Shutters** (10 71 13)

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished (10 71 13 13)

10 71 13 13-0002 Louvered Decorative Shutters (10 71 13 13-0001)

10 71 13 13-0003	PR	15" x 25" Louvered Shutter, High Impact Resistant Plastic	46.91	11.86
		<i>For Colored Finish, Add</i>	5.60	
10 71 13 13-0004	PR	15" x 31" Louvered Shutter, High Impact Resistant Plastic	51.05	12.45
		<i>For Colored Finish, Add</i>	6.20	
10 71 13 13-0005	PR	15" x 36" Louvered Shutter, High Impact Resistant Plastic	55.21	13.04
		<i>For Colored Finish, Add</i>	6.81	
10 71 13 13-0006	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic	58.98	13.63
		<i>For Colored Finish, Add</i>	7.34	
10 71 13 13-0007	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic	63.27	14.23
		<i>For Colored Finish, Add</i>	7.98	
10 71 13 13-0008	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic	67.79	14.82
		<i>For Colored Finish, Add</i>	8.65	
10 71 13 13-0009	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic	70.76	15.41
		<i>For Colored Finish, Add</i>	9.04	
10 71 13 13-0010	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic	74.08	16.00
		<i>For Colored Finish, Add</i>	9.50	
10 71 13 13-0011	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic	78.66	16.59
		<i>For Colored Finish, Add</i>	10.18	
10 71 13 13-0012	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic	84.86	17.19
		<i>For Colored Finish, Add</i>	11.15	
10 71 13 13-0013	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic	87.65	17.78
		<i>For Colored Finish, Add</i>	11.51	
10 71 13 13-0014	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic	95.52	18.37
		<i>For Colored Finish, Add</i>	12.78	
10 71 13 13-0015	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic	98.29	18.96
		<i>For Colored Finish, Add</i>	13.14	
10 71 13 13-0016	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic	103.68	19.56
		<i>For Colored Finish, Add</i>	13.97	

10 71 13 13-0017 Raised Panel Decorative Shutters (10 71 13 13-0001)

10 71 13 13-0018	PR	15" x 35" Raised Panel Shutter, High Impact Resistant Plastic	67.73	13.04
		<i>For Colored Finish, Add</i>	9.06	
10 71 13 13-0019	PR	15" x 39" Raised Panel Shutter, High Impact Resistant Plastic	72.77	13.63
		<i>For Colored Finish, Add</i>	9.83	
10 71 13 13-0020	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic	75.97	14.23
		<i>For Colored Finish, Add</i>	10.26	
10 71 13 13-0021	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic	81.17	14.82
		<i>For Colored Finish, Add</i>	11.05	
10 71 13 13-0022	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic	85.58	15.41
		<i>For Colored Finish, Add</i>	11.71	
10 71 13 13-0023	PR	15" x 55" Raised Panel Shutter, High Impact Resistant Plastic	89.71	16.00
		<i>For Colored Finish, Add</i>	12.31	
10 71 13 13-0024	PR	15" x 59" Raised Panel Shutter, High Impact Resistant Plastic	95.44	16.59
		<i>For Colored Finish, Add</i>	13.20	
10 71 13 13-0025	PR	15" x 63" Raised Panel Shutter, High Impact Resistant Plastic	103.08	17.19
		<i>For Colored Finish, Add</i>	14.43	
10 71 13 13-0026	PR	15" x 67" Raised Panel Shutter, High Impact Resistant Plastic	108.33	17.78
		<i>For Colored Finish, Add</i>	15.23	
10 71 13 13-0027	PR	15" x 71" Raised Panel Shutter, High Impact Resistant Plastic	114.31	18.37
		<i>For Colored Finish, Add</i>	16.17	



Specialties	10
Exterior Specialties	10 70
Exterior Protection	10 71

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0028 PR 15" x 75" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	116.10 16.35	18.96
10 71 13 13-0029 PR 15" x 81" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	120.32 16.96	19.56
10 71 13 13-0030 Accordion Hurricane Impact Shutter <small>(10 71 13 13)</small> Note: Add scaffolding after first floor.		
10 71 13 13-0031 SF Aluminum Accordion Shutters, Ultraguard	20.02	1.77
10 71 13 13-0032 SF Aluminum Accordion Shutters, Super Shutters	23.73	1.77
10 71 13 13-0033 Exterior Spanish Cedar Shutters <small>(10 71 13 13)</small>		
10 71 13 13-0034 12" Width <small>(10 71 13 13-0033)</small>		
10 71 13 13-0035 PR 12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	336.38 150.00	11.86
10 71 13 13-0036 PR 12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	363.09 150.00	13.04
10 71 13 13-0037 PR 12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	389.03 150.00	13.63
10 71 13 13-0038 PR 12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	415.75 150.00	14.82
10 71 13 13-0039 PR 12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	441.69 150.00	15.41
10 71 13 13-0040 PR 12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	470.50 150.00	16.59
10 71 13 13-0041 PR 12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	496.44 150.00	17.19
10 71 13 13-0042 PR 12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	522.36 150.00	17.78
10 71 13 13-0043 PR 12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	549.09 150.00	18.96
10 71 13 13-0044 14" Width <small>(10 71 13 13-0033)</small>		
10 71 13 13-0045 PR 14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	357.33 150.00	11.86
10 71 13 13-0046 PR 14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	388.23 150.00	13.04
10 71 13 13-0047 PR 14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	418.36 150.00	13.63
10 71 13 13-0048 PR 14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	449.28 150.00	14.82
10 71 13 13-0049 PR 14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	479.40 150.00	15.41
10 71 13 13-0050 PR 14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	510.31 150.00	16.59
10 71 13 13-0051 PR 14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	540.43 150.00	17.19
10 71 13 13-0052 PR 14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	568.45 150.00	17.78
10 71 13 13-0053 PR 14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	599.37 150.00	18.96
10 71 13 13-0054 16" Width <small>(10 71 13 13-0033)</small>		
10 71 13 13-0055 PR 16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	380.37 150.00	11.86
10 71 13 13-0056 PR 16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	413.37 150.00	13.04
10 71 13 13-0057 PR 16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	447.70 150.00	13.63
10 71 13 13-0058 PR 16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	480.70 150.00	14.82
10 71 13 13-0059 PR 16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	515.02 150.00	15.41
10 71 13 13-0060 PR 16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	550.12 150.00	16.59
10 71 13 13-0061 PR 16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	582.34 150.00	17.19
10 71 13 13-0062 PR 16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	616.64 150.00	17.78
10 71 13 13-0063 PR 16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	651.75 150.00	18.96
10 71 13 13-0064 18" Width <small>(10 71 13 13-0033)</small>		
10 71 13 13-0065 PR 18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	401.33 150.00	11.86
10 71 13 13-0066 PR 18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	438.52 150.00	13.04
10 71 13 13-0067 PR 18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	477.03 150.00	13.63
10 71 13 13-0068 PR 18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	514.23 150.00	14.82

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0069	PR		18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	550.64	15.41
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0070	PR		18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	589.93	16.59
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0071	PR		18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	626.34	17.19
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0072	PR		18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	664.83	17.78
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0073	PR		18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	702.04	18.96
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0074			20" Width <small>(10 71 13 13-0033)</small>		
10 71 13 13-0075	PR		20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	422.28	11.86
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0076	PR		20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	463.66	13.04
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0077	PR		20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	504.27	13.63
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0078	PR		20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	547.75	14.82
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0079	PR		20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	588.35	15.41
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0080	PR		20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	629.74	16.59
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0081	PR		20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	670.34	17.19
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0082	PR		20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	710.93	17.78
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0083	PR		20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	752.32	18.96
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0084			Heavy Duty Exterior True Louver Shutters, Western Red Cedar <small>(10 71 13 13)</small>		
10 71 13 13-0085			12" Width <small>(10 71 13 13-0084)</small>		
10 71 13 13-0086	PR		12" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar	197.67	11.86
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0087	PR		12" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar	210.55	12.45
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0088	PR		12" x 44" Louver Shutter, Heavy Duty Red Cedar	229.50	13.04
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0089	PR		12" x 47" Louver Shutter, Heavy Duty Red Cedar	242.41	13.63
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0090	PR		12" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar	261.35	14.23
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0091	PR		12" x 56" Louver Shutter, Heavy Duty Red Cedar	280.30	14.82
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0092	PR		12" x 59" Louver Shutter, Heavy Duty Red Cedar	293.20	15.41
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0093	PR		12" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar	312.14	16.00
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0094	PR		12" x 68" Louver Shutter, Heavy Duty Red Cedar	331.09	16.59
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0095	PR		12" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar	350.04	17.19
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0096	PR		12" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar	362.93	17.78
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0097	PR		12" x 80" Louver Shutter, Heavy Duty Red Cedar	381.88	18.37
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0098	PR		12" x 83" Louver Shutter, Heavy Duty Red Cedar	394.78	18.96
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0099			14" Width <small>(10 71 13 13-0084)</small>		
10 71 13 13-0100	PR		14" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar	222.22	11.86
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0101	PR		14" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar	237.13	12.45
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0102	PR		14" x 44" Louver Shutter, Heavy Duty Red Cedar	259.09	13.04
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0103	PR		14" x 47" Louver Shutter, Heavy Duty Red Cedar	274.02	13.63
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0104	PR		14" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar	295.98	14.23
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0105	PR		14" x 56" Louver Shutter, Heavy Duty Red Cedar	317.96	14.82
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0106	PR		14" x 59" Louver Shutter, Heavy Duty Red Cedar	332.88	15.41
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0107	PR		14" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar	354.84	16.00
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0108	PR		14" x 68" Louver Shutter, Heavy Duty Red Cedar	376.82	16.59
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0109	PR		14" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar	398.80	17.19
			<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0110	PR		14" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar	413.70	17.78
			<i>For Arched Tops, Add</i>	150.00	



	Specialties	10
	Exterior Specialties	10 70
	Exterior Protection	10 71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0111	PR	14" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	435.69 150.00	18.37
10 71	13 13-0112	PR	14" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	450.59 150.00	18.96
10 71 13 13-0113 15" Width <small>(10 71 13 13-0084)</small>					
10 71	13 13-0114	PR	15" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	234.49 150.00	11.86
10 71	13 13-0115	PR	15" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	250.41 150.00	12.45
10 71	13 13-0116	PR	15" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	273.89 150.00	13.04
10 71	13 13-0117	PR	15" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	289.82 150.00	13.63
10 71	13 13-0118	PR	15" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	313.30 150.00	14.23
10 71	13 13-0119	PR	15" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	336.79 150.00	14.82
10 71	13 13-0120	PR	15" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	352.72 150.00	15.41
10 71	13 13-0121	PR	15" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	376.19 150.00	16.00
10 71	13 13-0122	PR	15" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	399.69 150.00	16.59
10 71	13 13-0123	PR	15" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	423.18 150.00	17.19
10 71	13 13-0124	PR	15" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	439.09 150.00	17.78
10 71	13 13-0125	PR	15" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	462.59 150.00	18.37
10 71	13 13-0126	PR	15" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	478.50 150.00	18.96
10 71 13 13-0127 16" Width <small>(10 71 13 13-0084)</small>					
10 71	13 13-0128	PR	16" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	246.76 150.00	11.86
10 71	13 13-0129	PR	16" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	259.49 150.00	12.45
10 71	13 13-0130	PR	16" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	288.68 150.00	13.04
10 71	13 13-0131	PR	16" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	305.62 150.00	13.63
10 71	13 13-0132	PR	16" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	330.61 150.00	14.23
10 71	13 13-0133	PR	16" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	355.62 150.00	14.82
10 71	13 13-0134	PR	16" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	372.55 150.00	15.41
10 71	13 13-0135	PR	16" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	397.55 150.00	16.00
10 71	13 13-0136	PR	16" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	422.56 150.00	16.59
10 71	13 13-0137	PR	16" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	447.56 150.00	17.19
10 71	13 13-0138	PR	16" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	464.48 150.00	17.78
10 71	13 13-0139	PR	16" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	489.49 150.00	18.37
10 71	13 13-0140	PR	16" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	506.41 150.00	18.96
10 71 13 13-0141 18" Width <small>(10 71 13 13-0084)</small>					
10 71	13 13-0142	PR	18" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	271.31 150.00	11.86
10 71	13 13-0143	PR	18" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	290.26 150.00	12.45
10 71	13 13-0144	PR	18" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	318.27 150.00	13.04
10 71	13 13-0145	PR	18" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	337.23 150.00	13.63
10 71	13 13-0146	PR	18" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	365.25 150.00	14.23
10 71	13 13-0147	PR	18" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	393.29 150.00	14.82
10 71	13 13-0148	PR	18" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	412.23 150.00	15.41
10 71	13 13-0149	PR	18" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	440.25 150.00	16.00
10 71	13 13-0150	PR	18" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	468.29 150.00	16.59
10 71	13 13-0151	PR	18" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	496.31 150.00	17.19
10 71	13 13-0152	PR	18" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	515.25 150.00	17.78

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0153	PR	18" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	543.29 150.00	18.37
10 71	13 13-0154	PR	18" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	562.23 150.00	18.96
10 71 13 13-0155 Exterior Cypress Fixed Louver Wood Shutters (10 71 13 13)					
10 71 13 13-0156 6" Through 8" Width (10 71 13 13-0155)					
10 71	13 13-0157	PR	6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter..... <i>For Arched Tops, Add</i>	247.22 65.00	11.26
10 71	13 13-0158	PR	6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	278.52 65.00	11.58
10 71	13 13-0159	PR	6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	309.93 65.00	11.86
10 71	13 13-0160	PR	6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	341.66 65.00	12.45
10 71	13 13-0161	PR	6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	373.42 65.00	13.04
10 71	13 13-0162	PR	6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	405.18 65.00	13.63
10 71	13 13-0163	PR	6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	436.91 65.00	14.23
10 71	13 13-0164	PR	6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	468.68 65.00	14.82
10 71	13 13-0165	PR	6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	500.43 65.00	15.41
10 71	13 13-0166	PR	6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	532.16 65.00	16.00
10 71	13 13-0167	PR	6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	563.92 65.00	16.59
10 71	13 13-0168	PR	6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	595.68 65.00	17.19
10 71	13 13-0169	PR	6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	627.42 65.00	17.78
10 71	13 13-0170	PR	6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	659.18 65.00	18.37
10 71 13 13-0171 10" Through 12" Width (10 71 13 13-0155)					
10 71	13 13-0172	PR	10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter..... <i>For Arched Tops, Add</i>	288.19 65.00	11.26
10 71	13 13-0173	PR	10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	325.00 65.00	11.58
10 71	13 13-0174	PR	10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	361.84 65.00	11.86
10 71	13 13-0175	PR	10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	399.05 65.00	12.45
10 71	13 13-0176	PR	10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	436.25 65.00	13.04
10 71	13 13-0177	PR	10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	473.48 65.00	13.63
10 71	13 13-0178	PR	10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	510.68 65.00	14.23
10 71	13 13-0179	PR	10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	547.90 65.00	14.82
10 71	13 13-0180	PR	10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	585.12 65.00	15.41
10 71	13 13-0181	PR	10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	622.33 65.00	16.00
10 71	13 13-0182	PR	10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	659.54 65.00	16.59
10 71	13 13-0183	PR	10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	696.76 65.00	17.19
10 71	13 13-0184	PR	10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	733.95 65.00	17.78
10 71	13 13-0185	PR	10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	771.18 65.00	18.37
10 71 13 13-0186 14" Through 16" Width (10 71 13 13-0155)					
10 71	13 13-0187	PR	14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter..... <i>For Arched Tops, Add</i>	379.25 65.00	11.26
10 71	13 13-0188	PR	14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	428.22 65.00	11.58
10 71	13 13-0189	PR	14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	477.17 65.00	11.86
10 71	13 13-0190	PR	14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	526.53 65.00	12.45
10 71	13 13-0191	PR	14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	575.87 65.00	13.04
10 71	13 13-0192	PR	14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	625.24 65.00	13.63
10 71	13 13-0193	PR	14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	674.58 65.00	14.23
10 71	13 13-0194	PR	14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	723.95 65.00	14.82



Specialties	10
Exterior Specialties	10 70
Exterior Protection	10 71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13	13-0195	PR 14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	724.74 65.00	15.41
10 71	13	13-0196	PR 14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	822.65 65.00	16.00
10 71	13	13-0197	PR 14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	872.02 65.00	16.59
10 71	13	13-0198	PR 14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	921.36 65.00	17.19
10 71	13	13-0199	PR 14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	970.71 65.00	17.78
10 71	13	13-0200	PR 14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,020.07 65.00	18.37
10 71 13 13-0201 18" Through 20" Width (10 71 13 13-0155)					
10 71	13	13-0202	PR 18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	424.77 65.00	11.26
10 71	13	13-0203	PR 18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	479.80 65.00	11.58
10 71	13	13-0204	PR 18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	534.84 65.00	11.86
10 71	13	13-0205	PR 18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	589.76 65.00	12.45
10 71	13	13-0206	PR 18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	645.68 65.00	13.04
10 71	13	13-0207	PR 18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	701.13 65.00	13.63
10 71	13	13-0208	PR 18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	756.53 65.00	14.23
10 71	13	13-0209	PR 18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	811.98 65.00	14.82
10 71	13	13-0210	PR 18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	867.39 65.00	15.41
10 71	13	13-0211	PR 18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	922.82 65.00	16.00
10 71	13	13-0212	PR 18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	978.25 65.00	16.59
10 71	13	13-0213	PR 18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,033.68 65.00	17.19
10 71	13	13-0214	PR 18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,089.09 65.00	17.78
10 71	13	13-0215	PR 18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,144.53 65.00	18.37
10 71 13 13-0216 22" Through 24" Width (10 71 13 13-0155)					
10 71	13	13-0217	PR 22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	561.36 65.00	11.26
10 71	13	13-0218	PR 22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	634.60 65.00	11.58
10 71	13	13-0219	PR 22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	707.86 65.00	11.86
10 71	13	13-0220	PR 22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	781.50 65.00	12.45
10 71	13	13-0221	PR 22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	855.12 65.00	13.04
10 71	13	13-0222	PR 22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	928.77 65.00	13.63
10 71	13	13-0223	PR 22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,002.40 65.00	14.23
10 71	13	13-0224	PR 22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,076.04 65.00	14.82
10 71	13	13-0225	PR 22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,149.69 65.00	15.41
10 71	13	13-0226	PR 22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,223.31 65.00	16.00
10 71	13	13-0227	PR 22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,296.95 65.00	16.59
10 71	13	13-0228	PR 22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,370.60 65.00	17.19
10 71	13	13-0229	PR 22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,444.22 65.00	17.78
10 71	13	13-0230	PR 22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,517.86 65.00	18.37
10 71 13 13-0231 26" Through 28" Width (10 71 13 13-0155)					
10 71	13	13-0232	PR 26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	643.31 65.00	11.26
10 71	13	13-0233	PR 26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	727.47 65.00	11.58
10 71	13	13-0234	PR 26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	811.67 65.00	11.86
10 71	13	13-0235	PR 26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	896.23 65.00	12.45
10 71	13	13-0236	PR 26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	980.78 65.00	13.04



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0237	PR	26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,065.37	13.63
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0238	PR	26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,149.92	14.23
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0239	PR	26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,234.49	14.82
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0240	PR	26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,319.06	15.41
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0241	PR	26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,403.60	16.00
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0242	PR	26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,488.17	16.59
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0243	PR	26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,572.75	17.19
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0244	PR	26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,657.30	17.78
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0245	PR	26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,741.86	18.37
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0246		Pine Louvered Shutters <small>(10 71 13 13)</small>		
10 71	13 13-0247		12" Width <small>(10 71 13 13-0246)</small>		
10 71	13 13-0248	PR	12" x 35" Pine Louvered Shutter	140.51	11.86
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0249	PR	12" x 39" Pine Louvered Shutter	146.58	12.45
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0250	PR	12" x 43" Pine Louvered Shutter	152.57	13.04
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0251	PR	12" x 47" Pine Louvered Shutter	158.61	13.63
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0252	PR	12" x 51" Pine Louvered Shutter	164.60	14.23
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0253	PR	12" x 55" Pine Louvered Shutter	170.64	14.82
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0254	PR	12" x 59" Pine Louvered Shutter	176.69	15.41
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0255	PR	12" x 63" Pine Louvered Shutter	182.75	16.00
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0256	PR	12" x 67" Pine Louvered Shutter	188.79	16.59
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0257	PR	12" x 71" Pine Louvered Shutter	194.83	17.19
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0258	PR	12" x 75" Pine Louvered Shutter	200.85	17.78
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0259		14" Width <small>(10 71 13 13-0246)</small>		
10 71	13 13-0260	PR	14" x 35" Pine Louvered Shutter	155.57	11.86
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0261	PR	14" x 39" Pine Louvered Shutter	162.33	12.45
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0262	PR	14" x 43" Pine Louvered Shutter	168.96	13.04
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0263	PR	14" x 47" Pine Louvered Shutter	175.69	13.63
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0264	PR	14" x 51" Pine Louvered Shutter	182.34	14.23
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0265	PR	14" x 55" Pine Louvered Shutter	189.00	14.82
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0266	PR	14" x 59" Pine Louvered Shutter	195.70	15.41
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0267	PR	14" x 63" Pine Louvered Shutter	202.39	16.00
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0268	PR	14" x 67" Pine Louvered Shutter	209.06	16.59
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0269	PR	14" x 71" Pine Louvered Shutter	215.75	17.19
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0270	PR	14" x 75" Pine Louvered Shutter	222.46	17.78
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0271		15" Width <small>(10 71 13 13-0246)</small>		
10 71	13 13-0272	PR	15" x 35" Pine Louvered Shutter	162.92	11.86
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0273	PR	15" x 39" Pine Louvered Shutter	169.93	12.45
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0274	PR	15" x 43" Pine Louvered Shutter	176.96	13.04
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0275	PR	15" x 47" Pine Louvered Shutter	183.95	13.63
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0276	PR	15" x 51" Pine Louvered Shutter	190.97	14.23
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0277	PR	15" x 55" Pine Louvered Shutter	197.99	14.82
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0278	PR	15" x 59" Pine Louvered Shutter	205.01	15.41
			<i>For Arched Tops, Add</i>	65.00	



Specialties	10
Exterior Specialties	10 70
Exterior Protection	10 71

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0279 PR 15" x 63" Pine Louvered Shutter.....	212.00	16.00
For Arched Tops, Add	65.00	
10 71 13 13-0280 PR 15" x 67" Pine Louvered Shutter.....	219.01	16.59
For Arched Tops, Add	65.00	
10 71 13 13-0281 PR 15" x 71" Pine Louvered Shutter.....	226.01	17.19
For Arched Tops, Add	65.00	
10 71 13 13-0282 PR 15" x 75" Pine Louvered Shutter.....	233.02	17.78
For Arched Tops, Add	65.00	
10 71 13 13-0283 PR 15" x 81" Pine Louvered Shutter.....	243.15	18.37
For Arched Tops, Add	65.00	
10 71 13 13-0284 16" Width <small>(10 71 13 13-0246)</small>		
10 71 13 13-0285 PR 16" x 35" Pine Louvered Shutter.....	169.93	11.86
For Arched Tops, Add	65.00	
10 71 13 13-0286 PR 16" x 39" Pine Louvered Shutter.....	177.54	12.45
For Arched Tops, Add	65.00	
10 71 13 13-0287 PR 16" x 43" Pine Louvered Shutter.....	185.21	13.04
For Arched Tops, Add	65.00	
10 71 13 13-0288 PR 16" x 47" Pine Louvered Shutter.....	192.88	13.63
For Arched Tops, Add	65.00	
10 71 13 13-0289 PR 16" x 51" Pine Louvered Shutter.....	200.54	14.23
For Arched Tops, Add	65.00	
10 71 13 13-0290 PR 16" x 55" Pine Louvered Shutter.....	208.20	14.82
For Arched Tops, Add	65.00	
10 71 13 13-0291 PR 16" x 59" Pine Louvered Shutter.....	215.82	15.41
For Arched Tops, Add	65.00	
10 71 13 13-0292 PR 16" x 63" Pine Louvered Shutter.....	223.49	16.00
For Arched Tops, Add	65.00	
10 71 13 13-0293 PR 16" x 67" Pine Louvered Shutter.....	231.16	16.59
For Arched Tops, Add	65.00	
10 71 13 13-0294 PR 16" x 71" Pine Louvered Shutter.....	238.82	17.19
For Arched Tops, Add	65.00	
10 71 13 13-0295 PR 16" x 75" Pine Louvered Shutter.....	246.47	17.78
For Arched Tops, Add	65.00	
10 71 13 13-0296 PR 16" x 81" Pine Louvered Shutter.....	254.09	18.37
For Arched Tops, Add	65.00	
10 71 13 13-0297 18" Width <small>(10 71 13 13-0246)</small>		
10 71 13 13-0298 PR 18" x 35" Pine Louvered Shutter.....	185.34	11.86
For Arched Tops, Add	65.00	
10 71 13 13-0299 PR 18" x 39" Pine Louvered Shutter.....	195.26	12.45
For Arched Tops, Add	65.00	
10 71 13 13-0300 PR 18" x 47" Pine Louvered Shutter.....	212.27	13.63
For Arched Tops, Add	65.00	
10 71 13 13-0301 PR 18" x 55" Pine Louvered Shutter.....	229.32	14.82
For Arched Tops, Add	65.00	
10 71 13 13-0302 PR 18" x 63" Pine Louvered Shutter.....	246.34	16.00
For Arched Tops, Add	65.00	
10 71 13 13-0303 PR 18" x 75" Pine Louvered Shutter.....	283.49	17.78
For Arched Tops, Add	65.00	
10 71 13 13-0304 PR 18" x 81" Pine Louvered Shutter.....	293.95	18.37
For Arched Tops, Add	65.00	
10 71 13 13-0305 Exterior Cedar Board N' Batten Wood Shutters <small>(10 71 13 13)</small>		
10 71 13 13-0306 8" Through 14" Width <small>(10 71 13 13-0305)</small>		
10 71 13 13-0307 PR 8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	282.49	11.26
For Arched Tops, Add	65.00	
10 71 13 13-0308 PR 8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter.....	372.04	11.58
For Arched Tops, Add	65.00	
10 71 13 13-0309 PR 8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter.....	372.45	11.86
For Arched Tops, Add	65.00	
10 71 13 13-0310 PR 8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter.....	462.39	12.45
For Arched Tops, Add	65.00	
10 71 13 13-0311 PR 8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter.....	463.18	13.04
For Arched Tops, Add	65.00	
10 71 13 13-0312 PR 8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter.....	463.98	13.63
For Arched Tops, Add	65.00	
10 71 13 13-0313 PR 8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter.....	553.91	14.23
For Arched Tops, Add	65.00	
10 71 13 13-0314 PR 8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter.....	554.71	14.82
For Arched Tops, Add	65.00	
10 71 13 13-0315 PR 8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter.....	555.50	15.41
For Arched Tops, Add	65.00	
10 71 13 13-0316 PR 8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter.....	645.44	16.00
For Arched Tops, Add	65.00	
10 71 13 13-0317 PR 8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter.....	646.24	16.59
For Arched Tops, Add	65.00	
10 71 13 13-0318 PR 8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter.....	736.19	17.19
For Arched Tops, Add	65.00	
10 71 13 13-0319 PR 8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter.....	736.97	17.78
For Arched Tops, Add	65.00	
10 71 13 13-0320 PR 8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter.....	737.77	18.37
For Arched Tops, Add	65.00	

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0321	PR		8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	738.56 65.00	18.96
10 71 13 13-0322 15" Through 16" Width <small>(10 71 13 13-0305)</small>					
10 71 13 13-0323	PR		15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	371.65 65.00	11.26
10 71 13 13-0324	PR		15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	372.04 65.00	11.58
10 71 13 13-0325	PR		15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	461.61 65.00	11.86
10 71 13 13-0326	PR		15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	462.40 65.00	12.45
10 71 13 13-0327	PR		15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	552.33 65.00	13.04
10 71 13 13-0328	PR		15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	553.13 65.00	13.63
10 71 13 13-0329	PR		15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	553.91 65.00	14.23
10 71 13 13-0330	PR		15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	643.87 65.00	14.82
10 71 13 13-0331	PR		15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	644.66 65.00	15.41
10 71 13 13-0332	PR		15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	734.60 65.00	16.00
10 71 13 13-0333	PR		15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	735.40 65.00	16.59
10 71 13 13-0334	PR		15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	825.35 65.00	17.19
10 71 13 13-0335	PR		15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	826.13 65.00	17.78
10 71 13 13-0336	PR		15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	916.09 65.00	18.37
10 71 13 13-0337	PR		15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	916.87 65.00	18.96
10 71 13 13-0338 17" Through 18" Width <small>(10 71 13 13-0305)</small>					
10 71 13 13-0339	PR		17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	371.65 65.00	11.26
10 71 13 13-0340	PR		17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	461.21 65.00	11.58
10 71 13 13-0341	PR		17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	461.61 65.00	11.86
10 71 13 13-0342	PR		17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	551.55 65.00	12.45
10 71 13 13-0343	PR		17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	552.33 65.00	13.04
10 71 13 13-0344	PR		17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	642.29 65.00	13.63
10 71 13 13-0345	PR		17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	643.07 65.00	14.23
10 71 13 13-0346	PR		17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	733.03 65.00	14.82
10 71 13 13-0347	PR		17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	733.82 65.00	15.41
10 71 13 13-0348	PR		17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	823.76 65.00	16.00
10 71 13 13-0349	PR		17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	824.56 65.00	16.59
10 71 13 13-0350	PR		17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	914.51 65.00	17.19
10 71 13 13-0351	PR		17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	915.29 65.00	17.78
10 71 13 13-0352	PR		17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,005.25 65.00	18.37
10 71 13 13-0353	PR		17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,006.03 65.00	18.96
10 71 13 13-0354 19" Through 20" Width <small>(10 71 13 13-0305)</small>					
10 71 13 13-0355	PR		19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	460.81 65.00	11.26
10 71 13 13-0356	PR		19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	461.20 65.00	11.58
10 71 13 13-0357	PR		19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	550.76 65.00	11.86
10 71 13 13-0358	PR		19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	551.55 65.00	12.45
10 71 13 13-0359	PR		19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	641.49 65.00	13.04
10 71 13 13-0360	PR		19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	642.29 65.00	13.63
10 71 13 13-0361	PR		19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	732.23 65.00	14.23
10 71 13 13-0362	PR		19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	822.19 65.00	14.82



	Specialties	10
	Exterior Specialties	10 70
	Exterior Protection	10 71

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0363 PR 19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	822.98	15.41
For Arched Tops, Add	65.00	
10 71 13 13-0364 PR 19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	912.92	16.00
For Arched Tops, Add	65.00	
10 71 13 13-0365 PR 19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	913.72	16.59
For Arched Tops, Add	65.00	
10 71 13 13-0366 PR 19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,003.67	17.19
For Arched Tops, Add	65.00	
10 71 13 13-0367 PR 19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,004.45	17.78
For Arched Tops, Add	65.00	
10 71 13 13-0368 PR 19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,094.41	18.37
For Arched Tops, Add	65.00	
10 71 13 13-0369 PR 19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,095.19	18.96
For Arched Tops, Add	65.00	
10 71 13 13-0370 21" Through 22" Width (10 71 13 13-0305)		
10 71 13 13-0371 PR 21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	460.81	11.26
For Arched Tops, Add	65.00	
10 71 13 13-0372 PR 21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	461.20	11.58
For Arched Tops, Add	65.00	
10 71 13 13-0373 PR 21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	550.76	11.86
For Arched Tops, Add	65.00	
10 71 13 13-0374 PR 21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	640.71	12.45
For Arched Tops, Add	65.00	
10 71 13 13-0375 PR 21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	641.49	13.04
For Arched Tops, Add	65.00	
10 71 13 13-0376 PR 21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	731.45	13.63
For Arched Tops, Add	65.00	
10 71 13 13-0377 PR 21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	732.23	14.23
For Arched Tops, Add	65.00	
10 71 13 13-0378 PR 21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	822.19	14.82
For Arched Tops, Add	65.00	
10 71 13 13-0379 PR 21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	912.14	15.41
For Arched Tops, Add	65.00	
10 71 13 13-0380 PR 21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	912.92	16.00
For Arched Tops, Add	65.00	
10 71 13 13-0381 PR 21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,002.88	16.59
For Arched Tops, Add	65.00	
10 71 13 13-0382 PR 21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,003.67	17.19
For Arched Tops, Add	65.00	
10 71 13 13-0383 PR 21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,093.61	17.78
For Arched Tops, Add	65.00	
10 71 13 13-0384 PR 21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,094.41	18.37
For Arched Tops, Add	65.00	
10 71 13 13-0385 PR 21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,095.19	18.96
For Arched Tops, Add	65.00	
10 71 13 13-0386 22" Through 24" Width (10 71 13 13-0305)		
10 71 13 13-0387 PR 22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	460.81	11.26
For Arched Tops, Add	65.00	
10 71 13 13-0388 PR 22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	550.35	11.58
For Arched Tops, Add	65.00	
10 71 13 13-0389 PR 22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	550.76	11.86
For Arched Tops, Add	65.00	
10 71 13 13-0390 PR 22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	640.71	12.45
For Arched Tops, Add	65.00	
10 71 13 13-0391 PR 22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	730.65	13.04
For Arched Tops, Add	65.00	
10 71 13 13-0392 PR 22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	731.45	13.63
For Arched Tops, Add	65.00	
10 71 13 13-0393 PR 22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	821.39	14.23
For Arched Tops, Add	65.00	
10 71 13 13-0394 PR 22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	822.19	14.82
For Arched Tops, Add	65.00	
10 71 13 13-0395 PR 22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	912.14	15.41
For Arched Tops, Add	65.00	
10 71 13 13-0396 PR 22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,002.08	16.00
For Arched Tops, Add	65.00	
10 71 13 13-0397 PR 22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,002.88	16.59
For Arched Tops, Add	65.00	
10 71 13 13-0398 PR 22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,092.83	17.19
For Arched Tops, Add	65.00	
10 71 13 13-0399 PR 22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,093.61	17.78
For Arched Tops, Add	65.00	
10 71 13 13-0400 PR 22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,183.57	18.37
For Arched Tops, Add	65.00	
10 71 13 13-0401 PR 22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,184.35	18.96
For Arched Tops, Add	65.00	
10 71 13 13-0402 Accessories (10 71 13 13)		
10 71 13 13-0403 PR Surface Mounted Pintel, Stainless Steel	51.19	
10 71 13 13-0404 PR Lag Pintel, Stainless Steel	51.19	
10 71 13 13-0405 PR 10" Strap Hinge, Stainless Steel	80.19	
10 71 13 13-0406 PR 6" L-Hinge, Stainless Steel	72.79	

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0407	PR		Hinge Set, Galvanized And Painted.....	64.30	
10 71 13 13-0408	PR		Acorn Holdback.....	65.14	
10 71 13 13-0409	PR		'S' Holdback, Stainless Steel.....	53.16	
10 71 13 13-0410	PR		'S' Holdback, Galvanized And Painted.....	49.46	
10 71 16 Storm Panels (10 71)					
10 71 16 13 Demountable Storm Panels (10 71 16)					
10 71 16 13-0001 Hurricane Panels (10 71 16 13)					
10 71 16 13-0002 Aluminum (10 71 16 13-0001)					
10 71 16 13-0003	SF		0.040" Aluminum Hurricane Panels	9.59	1.77
10 71 16 13-0004	SF		0.050" Aluminum Hurricane Panels (Miami-Dade Approved)	10.21	1.77
10 71 16 13-0005	SF		0.063" Aluminum Hurricane Panels (Miami-Dade Approved)	11.40	1.77
10 71 16 13-0006 Steel (10 71 16 13-0001)					
10 71 16 13-0007	SF		22 Gauge Galvanized Steel Hurricane Panels.....	8.94	1.77
10 71 16 13-0008	SF		20 Gauge Galvanized Steel Hurricane Panels.....	9.39	1.77
10 71 16 13-0009 Fiberglass (10 71 16 13-0001)					
10 71 16 13-0010	SF		Fiberglass Hurricane Panels.....	9.31	1.77
10 71 16 13-0011 Bahama Shutters (10 71 16 13)					
10 71 16 13-0012 Up To 36" Wide (10 71 16 13-0011)					
10 71 16 13-0013	SF		Up To 36" High Bahama Shutter, Up To 36" Wide.....	43.93	1.77
			<i>For Impact Bahama Shutters, Add</i>	16.49	
10 71 16 13-0014	SF		36" to 48" High Bahama Shutter, Up To 36" Wide.....	36.00	1.77
			<i>For Impact Bahama Shutters, Add</i>	13.41	
10 71 16 13-0015	SF		48" to 60" High Bahama Shutter, Up To 36" Wide.....	30.94	1.77
			<i>For Impact Bahama Shutters, Add</i>	11.48	
10 71 16 13-0016	SF		60" to 72" High Bahama Shutter, Up To 36" Wide.....	29.38	1.77
			<i>For Impact Bahama Shutters, Add</i>	10.92	
10 71 16 13-0017	SF		72" to 84" High Bahama Shutter, Up To 36" Wide.....	27.70	1.77
			<i>For Impact Bahama Shutters, Add</i>	10.30	
10 71 16 13-0018	SF		>84" High Bahama Shutter, Up To 36" Wide.....	25.82	1.77
			<i>For Impact Bahama Shutters, Add</i>	9.62	
10 71 16 13-0019 36" To 60" Wide (10 71 16 13-0011)					
10 71 16 13-0020	SF		Up to 36" High Bahama Shutter, >36" To 60" Wide.....	33.88	1.77
			<i>For >60" To 90" Wide, Add</i>	1.58	
			<i>For >90" To 120" Wide, Add</i>	4.73	
			<i>For Impact Bahama Shutters, Add</i>	12.62	
10 71 16 13-0021	SF		36" to 48" High Bahama Shutter, >36" To 60" Wide.....	28.47	1.77
			<i>For >60" To 90" Wide, Add</i>	1.32	
			<i>For >90" To 120" Wide, Add</i>	3.96	
			<i>For Impact Bahama Shutters, Add</i>	10.55	
10 71 16 13-0022	SF		48" to 60" High Bahama Shutter, >36" To 60" Wide.....	25.09	1.77
			<i>For >60" To 90" Wide, Add</i>	1.16	
			<i>For >90" To 120" Wide, Add</i>	3.48	
			<i>For Impact Bahama Shutters, Add</i>	9.29	
10 71 16 13-0023	SF		60" to 72" High Bahama Shutter, >36" To 60" Wide.....	23.92	1.77
			<i>For >60" To 90" Wide, Add</i>	1.11	
			<i>For >90" To 120" Wide, Add</i>	3.33	
			<i>For Impact Bahama Shutters, Add</i>	8.88	
10 71 16 13-0024	SF		72" to 84" High Bahama Shutter, >36" To 60" Wide.....	22.34	1.77
			<i>For >60" To 90" Wide, Add</i>	1.04	
			<i>For >90" To 120" Wide, Add</i>	3.12	
			<i>For Impact Bahama Shutters, Add</i>	8.31	
10 71 16 13-0025	SF		>84" High Bahama Shutter, >36" To 60" Wide.....	21.68	1.77
			<i>For >60" To 90" Wide, Add</i>	1.01	
			<i>For >90" To 120" Wide, Add</i>	3.04	
			<i>For Impact Bahama Shutters, Add</i>	8.11	
10 71 16 13-0026 Shutter Accessories (10 71 16 13)					
10 71 16 13-0027 Shutter Build-Out (10 71 16 13-0026)					
10 71 16 13-0028	LF		2' x 3' Hurricane Shutter Buildout.....	8.13	1.77
10 71 16 13-0029	LF		2' x 5' Hurricane Shutter Buildout.....	9.61	1.77
10 71 16 13-0030 Storm Panel Track (10 71 16 13-0026)					
10 71 16 13-0031	LF		H-Header Storm Panel Track.....	7.30	1.77
10 71 16 13-0032	LF		F-Header Storm Panel Track.....	6.97	1.77
10 71 16 13-0033	LF		U-Header Storm Panel Track.....	7.30	1.77
10 71 16 13-0034	LF		Stud Angle Storm Panel Track.....	7.63	1.77
10 71 16 13-0035	LF		Clip Sill Storm Panel Track.....	5.99	1.77
10 71 16 13-0036 Exeter Storm Shield (10 71 16 13)					



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0037 Aluminum Framed Panels With Stainless Steel Barrier Membrane <small>(10 71 16 13-0036)</small> Note: Frame to meet ASTM E1886/E1996 Level "E" requirements. Frame finish to be anodized aluminum, bronze or white.		
10 71 16 13-0038 Operable Panels <small>(10 71 16 13-0037)</small> Note: Price per panel, not by window size.		
10 71 16 13-0039 SF Up to 7.5 SF Operable Panel..... Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add For <10 Panels, Add	69.96 5.00 22.59	
10 71 16 13-0040 SF >7.5 To 12 SF Operable Panel..... Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add For <10 Panels, Add	59.30 5.00 10.85	
10 71 16 13-0041 SF >12 To 17.5 SF Operable Panel..... Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add For <10 Panels, Add	55.88 5.00 5.85	
10 71 16 13-0042 SF >17.5 To 24 SF Operable Panel..... Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add For <10 Panels, Add	53.00 5.00 5.64	
10 71 16 13-0043 SF >24 SF Operable Panel..... Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add For <10 Panels, Add	47.40 5.00 4.97	
10 71 16 13-0044 Operable Panel Options <small>(10 71 16 13-0037)</small> Note: Tasks to be added per panel.		
10 71 16 13-0045 EA For Side Hinge, Add Per Panel.....	70.74	
10 71 16 13-0046 EA For Top Hinge, Add Per Panel.....	24.34	
10 71 16 13-0047 EA For Bahama Unit, Add Per Panel.....	95.86	
10 71 16 13-0048 EA For External Keylocks, Add Per Panel.....	95.50	
10 71 16 13-0049 EA For Security Egress Option, Add Per Panel.....	45.49	
10 71 16 13-0050 Fixed Panel <small>(10 71 16 13-0037)</small> Note: Price per panel, not by window size.		
10 71 16 13-0051 SF Up to 7.5 SF Fixed Panel..... Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add For <10 Panels, Add	71.15 5.00 23.18	
10 71 16 13-0052 SF >7.5 To 12 SF Fixed Panel..... Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add For <10 Panels, Add	60.21 5.00 11.12	
10 71 16 13-0053 SF >12 To 17.5 SF Fixed Panel..... Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add For <10 Panels, Add	56.63 5.00 5.97	
10 71 16 13-0054 SF >17.5 To 24 SF Fixed Panel..... Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add For <10 Panels, Add	53.57 5.00 5.74	
10 71 16 13-0055 SF >24 SF Fixed Panel..... Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add For <10 Panels, Add	47.87 5.00 5.05	
10 71 16 16 Movable Storm Panels <small>(10 71 16)</small>		
10 71 16 16-0001 Roll-Up Shutters <small>(10 71 16 16)</small>		
10 71 16 16-0002 Shutters <small>(10 71 16 16-0001)</small>		
10 71 16 16-0003 SF 50mm Aluminum Hurricane Roll-Up Shutter..... Note: Includes hood, curtain and tracks. Miami Dade and Florida Building Code approved.	43.41	1.77
10 71 16 16-0004 Motors And Accessories <small>(10 71 16 16-0001)</small>		
10 71 16 16-0005 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 49 LB..... Note: Based on shutters up to 96" tall.	466.32	
10 71 16 16-0006 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 110 LB..... Note: Based on shutters up to 96" tall.	505.45	
10 71 16 16-0007 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 215 LB..... Note: Based on shutters up to 96" tall.	536.06	
10 71 16 16-0008 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 261 LB..... Note: Based on shutters up to 96" tall.	563.07	
10 71 16 16-0009 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 369 LB..... Note: Based on shutters up to 96" tall.	638.49	
10 71 16 16-0010 EA 248 LB Lift Capacity Roll-Up Shutter Motor..... Note: Based on shutters up to 96" tall.	745.48	
10 71 16 16-0011 EA 308 LB Lift Capacity Roll-Up Shutter Motor..... Note: Based on shutters up to 96" tall.	935.26	
10 71 16 16-0012 EA Spring Assist For 60 To 120 LB Roll-Up Shutter..... Note: Not required if motor is used.	172.46	
10 71 16 16-0013 EA Crank For Manual Roll-Up Shutter.....	41.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 73 Protective Covers (10 70)**10 73 13 Awnings** (10 73)**10 73 13 13 Metal Awnings** (10 73 13)**10 73 13 13-0001 Metal Awnings** (10 73 13 13)

Note: Includes metal cover, frame supports and anchoring.

10 73 13 13-0002	SF	Ribbed Aluminum Window Awnings, Clear Weather Resistant Finish	25.20	4.11
10 73 13 13-0003	SF	Ribbed Aluminum Window Awning, Baked Enamel Finish	22.33	3.69
10 73 13 13-0004	SF	Flat Roofed Steel Awning (Per SF Of Covered Area)	70.57	4.27
10 73 13 13-0005	SF	Arched Roofed Steel Awning (Per SF Of Covered Area)	72.92	4.80

10 73 13 23 Fabric Awnings (10 73 13)**10 73 13 23-0001 Canvas Awnings** (10 73 13 23)

Note: Includes minimum 12 oz. canvas, frame supports and anchoring.

10 73 13 23-0002	SF	Canvas Awning, Waterproof Fabric Tubular Metal Framing	22.89	3.00
10 73 13 23-0003	SF	Side Protection Canvas For Walkways (Per SF Of Wall Area)	12.86	0.97
10 73 13 23-0004	SF	Replacement Canvas For Awnings	13.53	

Note: Includes removal of existing canvas cover.

For 18 Oz. Vinyl Laminated Polyester Cover, Add 0.52

10 73 16 Canopies (10 73)**10 73 16 13 Metal Canopies** (10 73 16)**10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished** (10 73 16 13)

Note: Includes cover, frame supports and anchoring.

10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	2,130.61	186.77
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	3,919.83	298.90
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	2,625.37	233.69
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	4,734.46	312.48

10 73 26 Walkway Coverings (10 73)

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings (10 73 26)**10 73 26 13-0001 Steel Walkway/Parking Covers** (10 73 26 13)

Note: Factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover	33.82	2.44
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Note: Includes factory applied polyester finish.

For Snow Load (30 PSF), Add 11.58

For Wind Load (140 MPH), Add 14.47

10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover	36.01	2.63
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Note: Includes factory applied polyester finish.

For Snow Load (30 PSF), Add 12.30

For Wind Load (140 MPH), Add 15.38

10 73 26 13-0004 Aluminum Walkway/Parking Covers (10 73 26 13)

10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover	19.91	2.44
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Note: Includes factory applied polyester finish.

For Snow Load (30 PSF), Add 6.01

For Wind Load (140 MPH), Add 7.52

10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover	21.65	2.63
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Note: Includes factory applied polyester finish.

For Snow Load (30 PSF), Add 6.56

For Wind Load (140 MPH), Add 8.20

10 73 43 Transportation Stop Shelters (10 73)**10 73 43 00-0001 Transit Shelter** (10 73 43)

10 73 43 00-0002	EA	Transit Shelter (Kaleidoscope by Landscape Forms)	18,929.53	
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10 75 Flagpoles (10 70)

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles (10 75)**10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles** (10 75 16)

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole	3,105.40	394.75
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Note: 6" butt diameter, 3" top diameter and 0.180" wall.

For Internal Halyard, Cam System, Add 300.00

For Bronze Finish, Add 20.00

For Rope Lock Box, Add 96.00



Specialties	10
Exterior Specialties	10 70
Flagpoles	10 75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0003	EA		30' Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall. <i>For Internal Halyard, Cam System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	3,297.82 300.00 50.00 96.00	430.64
10 75 16 00-0004	EA		35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall. <i>For Internal Halyard, Cam System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	4,247.65 300.00 10.00 96.00	502.42
10 75 16 00-0005	EA		40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall. <i>For Internal Halyard, Cam System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	4,950.30 300.00 50.00 96.00	574.19
10 75 16 00-0006	EA		50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	10,207.93 1,700.00 200.00 96.00	645.96
10 75 16 00-0007	EA		60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	12,275.90 1,900.00 160.00 96.00	717.74
10 75 16 00-0008	EA		70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	22,229.76 2,860.00 700.00 96.00	789.51
10 75 16 00-0009	EA		78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	29,194.06 2,900.00 900.00 96.00	861.28
10 75 16 00-0010			Free Standing Tapered Aluminum Flagpoles <small>(10 75 16)</small> Note: Heavy duty.		
10 75 16 00-0011	EA		20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	2,300.93 570.00 150.00 180.00 230.00 96.00	358.87
10 75 16 00-0012	EA		25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	2,799.38 1,100.00 200.00 230.00 320.00 96.00	394.75
10 75 16 00-0013	EA		30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	3,121.27 1,390.00 240.00 290.00 400.00 96.00	430.64
10 75 16 00-0014	EA		35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	4,047.56 1,340.00 290.00 360.00 480.00 96.00	502.42
10 75 16 00-0015	EA		40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	5,091.54 1,490.00 390.00 480.00 660.00 96.00	574.19
10 75 16 00-0016	EA		45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	5,684.14 1,340.00 400.00 500.00 700.00 96.00	610.07
10 75 16 00-0017	EA		50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	7,371.36 1,380.00 700.00 860.00 1,130.00 96.00	645.96



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 75 16 00-0018	EA		60' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	13,370.51 1,800.00 620.00 820.00 1,160.00 96.00	717.74
10 75 16 00-0019	EA		70' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	14,626.34 1,720.00 710.00 950.00 1,360.00 96.00	789.51
10 75 16 00-0020	EA		80' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.375" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	18,530.44 2,600.00 1,100.00 1,380.00 1,840.00 96.00	861.28

10 75 16 00-0021 Flagpole Bases (10 75 16)**10 75 16 00-0022** Flagpole Concrete Base (10 75 16 00-0021)

Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.

10 75 16 00-0023	EA		30' Or Less Flagpole, Poured Concrete Foundation.....	600.10	
10 75 16 00-0024	EA		35' Flagpole, Poured Concrete Foundation.....	621.56	
10 75 16 00-0025	EA		40' Flagpole, Poured Concrete Foundation.....	713.69	
10 75 16 00-0026	EA		45' Flagpole, Poured Concrete Foundation.....	755.43	
10 75 16 00-0027	EA		50' Flagpole, Poured Concrete Foundation.....	905.66	
10 75 16 00-0028	EA		60' Flagpole, Poured Concrete Foundation.....	1,096.18	
10 75 16 00-0029	EA		70' Flagpole, Poured Concrete Foundation.....	1,300.78	
10 75 16 00-0030	EA		80' Flagpole, Poured Concrete Foundation.....	1,516.82	
10 75 16 00-0031	EA		90' To 100' Flagpole, Poured Concrete Foundation.....	1,774.01	

10 75 16 00-0032 Direct Embedded Flagpole Base (10 75 16 00-0021)

Note: Augured in place, no concrete required.

10 75 16 00-0033	EA		20' To 25' Flagpole, Direct Embedded Pole Base.....	446.50	
10 75 16 00-0034	EA		30' To 40' Flagpole, Direct Embedded Pole Base.....	640.26	
10 75 16 00-0035	EA		45' To 55' Flagpole, Direct Embedded Pole Base.....	716.22	
10 75 16 00-0036	EA		60' To 70' Flagpole, Direct Embedded Pole Base.....	804.35	

10 75 16 00-0037 Flagpole Accessories (10 75 16)**10 75 16 00-0038** Flagpole Tops (10 75 16 00-0037)

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0039	EA		4" Gold Anodized Aluminum Ball For Top Of Flagpole.....	66.02	16.54
10 75 16 00-0040	EA		5" Gold Anodized Aluminum Ball For Top Of Flagpole.....	73.85	17.50
10 75 16 00-0041	EA		6" Gold Anodized Aluminum Ball For Top Of Flagpole.....	86.39	18.47
10 75 16 00-0042	EA		8" Gold Anodized Aluminum Ball For Top Of Flagpole.....	128.35	19.45
10 75 16 00-0043	EA		10" Gold Anodized Aluminum Ball For Top Of Flagpole.....	186.79	20.42
10 75 16 00-0044	EA		12" Gold Anodized Aluminum Ball For Top Of Flagpole.....	213.45	21.39
10 75 16 00-0045	EA		11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	188.74	21.39
10 75 16 00-0046	EA		15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	221.65	24.31

10 75 16 00-0047 Flagpole Accessories (10 75 16 00-0037)

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0048	LF		5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	0.75	0.03
10 75 16 00-0049	LF		5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles.....	0.36	0.03
10 75 16 00-0050	LF		5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.27	0.03
10 75 16 00-0051	LF		3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.00	0.03
10 75 16 00-0052	EA		Refinish Existing Flagpole Ball.....	177.67	48.59
10 75 16 00-0053	EA		Locking Aluminum Cleat Box For Flagpoles.....	204.27	29.15
10 75 16 00-0054	EA		Aluminum Cleat For Flagpoles.....	18.84	1.94
10 75 16 00-0055	LF		1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.45	0.05

10 75 23 Wall-Mounted Flagpoles (10 75)**10 75 23 00-0001** Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles (10 75 23)

Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.

10 75 23 00-0002	EA		14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish..... For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	1,300.48 60.00 80.00 90.00 96.00	314.79
10 75 23 00-0003	EA		17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish..... For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	1,398.75 70.00 80.00 100.00 96.00	346.28



Specialties	10
Exterior Specialties	10 70
Flagpoles	10 75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 23 00-0004	EA		20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	1,508.78 70.00 110.00 120.00 96.00	377.76
10 75 23 00-0005	EA		25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	1,740.64 70.00 90.00 100.00 96.00	440.71
10 75 23 00-0006			Outrigger, Wall Mounted Tapered Aluminum Flagpoles ^(10 75 23) Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007	EA		10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish <i>For Rope Lock Box, Add</i>	2,026.12 96.00	283.31
10 75 23 00-0008	EA		15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish <i>For Rope Lock Box, Add</i>	2,159.69 96.00	314.79
10 75 23 00-0009	EA		20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish <i>For Rope Lock Box, Add</i>	2,332.68 96.00	377.76
10 80 Other Specialties ⁽¹⁰⁾					
10 81 Pest Control Devices ^(10 80)					
10 81 13 Bird Control Devices ^(10 81)					
10 81 13 00-0001			Stainless Steel Spiked Bird Barrier ^(10 81 13) Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002	LF		2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	6.63	0.31
10 81 13 00-0003	LF		4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	7.16	0.31
10 81 13 00-0004	LF		8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	9.61	0.31
10 81 13 00-0005			Polycarbonate Spiked Bird Barrier ^(10 81 13) Note: Polycarbonate spikes and base.		
10 81 13 00-0006	LF		3" Wide Polycarbonate Spikes And Base Bird Deterrent System	4.87	0.31
10 81 13 00-0007	LF		5" Wide Polycarbonate Spikes And Base Bird Deterrent System	5.91	0.31
10 81 13 00-0008	LF		8" Wide Polycarbonate Spikes And Base Bird Deterrent System	7.01	0.31
10 81 13 00-0009			Spiked Gutter Or Girder Bird Barrier ^(10 81 13) Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010	LF		Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	5.81	0.31
10 81 13 00-0011			Coil Bird Barrier ^(10 81 13) Note: Stainless steel coil.		
10 81 13 00-0012	LF		4" Diameter Stainless Steel Coil Bird Deterrent System	3.84	0.31
10 81 13 00-0013	LF		5" Diameter Stainless Steel Coil Bird Deterrent System	4.64	0.31
10 81 13 00-0014			Spider Bird Barrier ^(10 81 13) Note: Stainless steel arms with various bases.		
10 81 13 00-0015	EA		2' Diameter Stainless Steel Spider Bird Deterrent System	60.60	0.31
10 81 13 00-0016	EA		4' Diameter Stainless Steel Spider Bird Deterrent System	73.09	0.31
10 81 13 00-0017	EA		8' Diameter Stainless Steel Spider Bird Deterrent System	86.27	0.31
10 81 13 00-0018			Oriented Flexible Flame Resistant Netting ^(10 81 13) Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019	SF		1/8" x 1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.30	0.10
10 81 13 00-0020	SF		1/4" x 1/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.29	0.10
10 81 13 00-0021	SF		1/2" x 1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.28	0.10
10 81 13 00-0022	SF		3/4" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.27	0.10
10 81 13 00-0023	SF		1" x 1" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.27	0.10
10 81 13 00-0024	SF		1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.26	0.10
10 81 13 00-0025	SF		2" x 2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.26	0.10
10 81 13 00-0026	SF		3" x 3" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.26	0.10
10 81 13 00-0027	SF		4" x 4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.25	0.10
10 81 13 00-0028	SF		5/8" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.27	0.10
10 81 13 00-0029	SF		1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.26	0.10
10 81 13 00-0030	EA		Poly Clips For Flexible Netting	1.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 81 13 00-0031			Netting Accessories <small>(10 81 13)</small>		
10 81 13 00-0032	EA		2' Zipper For Flexible Netting.....	5.00	
10 81 13 00-0033	EA		4' Zipper For Flexible Netting.....	7.53	
10 81 13 00-0034	EA		6' Zipper For Flexible Netting.....	8.86	
10 81 13 00-0035	EA		8' Zipper For Flexible Netting.....	12.60	

10 81 13 00-0036			Flyaway Bird Deterrent System <small>(10 81 13)</small>		
			Note: Flyaway or equal.		
10 81 13 00-0037	LF		Flyaway Bird Deterrent System.....	13.96	

10 86 Security Mirrors And Domes (10 86)

10 86 00 00-0001			Dome Mirrors <small>(10 86)</small>		
			Note: Includes all mounting hardware. Indoor or outdoor applications.		
10 86 00 00-0002			Steel Dome Mirrors <small>(10 86 00 00-0001)</small>		
10 86 00 00-0003	EA		9" Diameter Full-Dome Steel Dome Mirror.....	161.17	7.78
10 86 00 00-0004	EA		12" Diameter Full-Dome Steel Dome Mirror.....	191.07	8.17
10 86 00 00-0005	EA		18" Diameter Full-Dome Steel Dome Mirror.....	221.75	8.94
10 86 00 00-0006	EA		24" Diameter Full-Dome Steel Dome Mirror.....	299.28	9.72
10 86 00 00-0007	EA		9" Diameter Half-Dome Steel Dome Mirror.....	114.99	5.83
10 86 00 00-0008	EA		12" Diameter Half-Dome Steel Dome Mirror.....	133.50	6.23
10 86 00 00-0009	EA		18" Diameter Half-Dome Steel Dome Mirror.....	156.70	6.80
10 86 00 00-0010	EA		24" Diameter Half-Dome Steel Dome Mirror.....	221.17	7.39

10 86 00 00-0011			Plexiglas Dome Mirrors <small>(10 86 00 00-0001)</small>		
10 86 00 00-0012	EA		18" Diameter Full-Dome Plexiglas Dome Mirror.....	121.09	8.94
10 86 00 00-0013	EA		26" Diameter Full-Dome Plexiglas Dome Mirror.....	175.19	9.72
10 86 00 00-0014	EA		32" Diameter Full-Dome Plexiglas Dome Mirror.....	234.02	11.28
10 86 00 00-0015	EA		36" Diameter Full-Dome Plexiglas Dome Mirror.....	283.00	13.62
10 86 00 00-0016	EA		48" Diameter Full-Dome Plexiglas Dome Mirror.....	413.70	19.45
10 86 00 00-0017	EA		18" Diameter Half-Dome Plexiglas Dome Mirror.....	72.25	6.80
10 86 00 00-0018	EA		26" Diameter Half-Dome Plexiglas Dome Mirror.....	100.00	7.39
10 86 00 00-0019	EA		32" Diameter Half-Dome Plexiglas Dome Mirror.....	133.47	8.56
10 86 00 00-0020	EA		36" Diameter Half-Dome Plexiglas Dome Mirror.....	164.96	10.31
10 86 00 00-0021	EA		48" Diameter Half-Dome Plexiglas Dome Mirror.....	264.68	14.59
10 86 00 00-0022	EA		18" Diameter Quarter-Dome Plexiglas Dome Mirror.....	44.59	5.83
10 86 00 00-0023	EA		26" Diameter Quarter-Dome Plexiglas Dome Mirror.....	58.80	6.42
10 86 00 00-0024	EA		32" Diameter Quarter-Dome Plexiglas Dome Mirror.....	79.10	7.20
10 86 00 00-0025	EA		36" Diameter Quarter-Dome Plexiglas Dome Mirror.....	99.16	8.56
10 86 00 00-0026	EA		48" Diameter Quarter-Dome Plexiglas Dome Mirror.....	167.39	12.16

10 86 00 00-0027			Coated Plexiglas Dome Mirrors <small>(10 86 00 00-0001)</small>		
10 86 00 00-0028	EA		18" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	147.04	8.94
10 86 00 00-0029	EA		26" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	233.44	9.72
10 86 00 00-0030	EA		36" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	399.49	13.62
10 86 00 00-0031	EA		48" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	617.55	19.45
10 86 00 00-0032	EA		18" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	94.02	6.80
10 86 00 00-0033	EA		26" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	143.93	7.39
10 86 00 00-0034	EA		36" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	229.53	10.31
10 86 00 00-0035	EA		48" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	383.71	14.59
10 86 00 00-0036	EA		18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	67.00	5.83
10 86 00 00-0037	EA		26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	96.54	6.42
10 86 00 00-0038	EA		32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	126.71	7.20
10 86 00 00-0039	EA		36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	163.99	8.56
10 86 00 00-0040	EA		48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	258.56	12.16

10 86 00 00-0041			Circular Convex Security Mirrors <small>(10 86)</small>		
			Note: Includes all mounting hardware.		
10 86 00 00-0042			Plexiglas Circular Convex Mirrors <small>(10 86 00 00-0041)</small>		
			Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0043	EA		12" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	47.90	6.23
10 86 00 00-0044	EA		18" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	64.14	6.80
10 86 00 00-0045	EA		26" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	101.39	7.39
10 86 00 00-0046	EA		30" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	127.65	8.56
10 86 00 00-0047	EA		36" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	171.29	10.31
10 86 00 00-0048	EA		48" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	307.73	14.59
10 86 00 00-0049	EA		18" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	85.54	6.80
10 86 00 00-0050	EA		26" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	126.71	7.39
10 86 00 00-0051	EA		36" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	181.42	10.31
10 86 00 00-0052	EA		48" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	338.12	14.59

10 86 00 00-0053			Coated Plexiglas Circular Convex Mirrors <small>(10 86 00 00-0041)</small>		
			Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		



Specialties	10	10
Other Specialties	10 80	
Security Mirrors And Domes	10 86	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0054 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	105.29	6.80
10 86 00 00-0055 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	170.52	7.39
10 86 00 00-0056 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	231.10	8.56
10 86 00 00-0057 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	289.04	10.31
10 86 00 00-0058 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	420.43	14.59
10 86 00 00-0059 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	128.46	6.80
10 86 00 00-0060 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	203.44	7.39
10 86 00 00-0061 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	285.54	8.56
10 86 00 00-0062 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	321.97	10.31
10 86 00 00-0063 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	512.86	14.59

END OF SECTION 10

10 Specialties

10 80 Other Specialties

10 86 Security Mirrors And Domes



MINOR
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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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Equipment	11	
Operation And Maintenance Of Equipment	11 01	11
Operation And Maintenance Of Vehicle And Pedestrian Equipment	11 01 10	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 Equipment

11 01 Operation And Maintenance Of Equipment⁽¹¹⁾

11 01 10 Operation And Maintenance Of Vehicle And Pedestrian Equipment^(11 01)

11 01 10 13 Operation And Maintenance Of Parking Equipment^(11 01 10)

11 01 10 13-0001	Replacement Parking Equipment ^(11 01 10 13)		
11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	330.08
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	343.94
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	360.05
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	483.82
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	498.82
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	709.63
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	719.27
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	738.57
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	850.38
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	863.74

11 10 Vehicle And Pedestrian Equipment⁽¹¹⁾

11 12 Parking Control Equipment^(11 10)

11 12 16 Parking Ticket Dispensers^(11 12)

11 12 16 00-0001	Parking Ticket Dispensers ^(11 12 16)		
11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Printer	5,474.57
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer	92.12
			92.12

11 12 23 Parking Meters^(11 12)

11 12 23 00-0001	Parking Meters ^(11 12 23)		
11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter	69.97

11 12 26 Parking Fee Collection Equipment^(11 12)

11 12 26 00-0001	Parking Fee Collection Equipment ^(11 12 26)		
11 12 26 00-0002	EA	Multiple Station Slot Box For Parking Fee Collection	1,294.47
			31.22

11 12 33 Parking Gates^(11 12)

11 12 33 13 Lift Arm Parking Gates^(11 12 33)

11 12 33 13-0001	Barrier Parking Gate Operators ^(11 12 33 13)		
11 12 33 13-0002	Barrier Parking Gate Operators ^(11 12 33 13-0001)		
	Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.		
11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	2,601.38
		For 230/460 Volt AC, Add	322.50
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	2,591.75
		For 230/460 Volt AC, Add	322.50
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	2,713.73
		For 230/460 Volt AC, Add	322.50
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	3,906.89
		For 230/460 Volt AC, Add	322.50
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	4,741.35
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	4,933.95

11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes^(11 12 33 13-0001)

	Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.		
11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	8,126.10
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	9,525.34
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	8,198.33
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	9,597.57

11 12 33 13-0014 Barrier Parking Gate Operator Accessories^(11 12 33 13-0001)

11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators	93.27
			6.50

11 Equipment**11 10 Vehicle And Pedestrian Equipment****11 12 Parking Control Equipment**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators	83.64	6.50
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators.....	205.62	6.50
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators.....	313.96	6.50
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators	285.87	6.50
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators	285.87	6.50
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators.....	350.07	6.50
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	258.66	39.05
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093).....	258.66	39.05
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	251.22	
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	792.83	
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD)	593.69	6.50
Note: Includes mounting plate and hardware. Excludes concrete foundation.				

11 12 36 Tire Shredders (11 12)

11 12 36 00-0001		Tire Shredding Traffic Control Spikes (11 12 36)		
11 12 36 00-0002		Flush Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	1,187.51	104.13
11 12 36 00-0004		Surface Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088).....	2,218.82	52.07
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	1,576.82	52.07
11 12 36 00-0007		Warning Signs And Signals For Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615).....	977.97	19.52
Note: Includes light and mounting post.				
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603)	782.35	26.04
Note: Includes mounting post and hardware.				

11 13 Loading Dock Equipment (11 10)**11 13 13 Loading Dock Bumpers (11 13)**

11 13 13 00-0001		Laminated Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0002		4-1/2" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	78.95	7.77
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	103.56	7.77
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	138.27	7.77
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	89.44	7.77
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	98.13	7.77
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	113.68	7.77
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	138.27	7.77
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	193.81	7.77
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	103.32	7.77
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	113.68	7.77
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	143.21	7.77
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	164.16	7.77
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	232.17	7.77
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	130.97	7.77
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	155.33	7.77
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	207.22	7.77
11 13 13 00-0019		6" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	117.69	7.77
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	126.28	7.77
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	146.99	7.77
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	178.52	7.77
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	248.30	7.77
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	136.75	7.77
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	143.81	7.77
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	171.81	7.77
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	213.58	7.77
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	330.55	7.77
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	178.64	7.77
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	206.64	7.77
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	210.37	7.77
11 13 13 00-0033		Extruded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0034		1-3/4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	34.80	7.77
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	38.26	7.77
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	42.87	7.77
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	47.48	7.77



Equipment	11
Vehicle And Pedestrian Equipment	11 10
Loading Dock Equipment	11 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0039 4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0039)		
11 13 13 00-0040 EA 12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	52.88	7.77
11 13 13 00-0041 EA 18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	67.43	7.77
11 13 13 00-0042 EA 24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	71.61	7.77
11 13 13 00-0043 EA 36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	81.16	7.77
11 13 13 00-0044 6" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0039)		
11 13 13 00-0045 EA 12" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	67.67	7.77
11 13 13 00-0046 EA 18" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	87.27	7.77
11 13 13 00-0047 EA 24" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	103.41	7.77
11 13 13 00-0048 EA 36" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	134.22	7.77
11 13 13 00-0049 Molded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0050 Rectangular Molded Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0051 EA 18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper.....	55.67	7.77
11 13 13 00-0052 EA 10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	46.76	7.77
11 13 13 00-0053 EA 20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	67.08	7.77
11 13 13 00-0054 EA 30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	87.58	7.77
11 13 13 00-0055 EA 24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	92.41	7.77
11 13 13 00-0056 EA 13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	64.75	7.77
11 13 13 00-0057 EA 18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	88.39	7.77
11 13 13 00-0058 EA 30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	137.06	7.77
11 13 13 00-0059 EA 13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	71.82	7.77
11 13 13 00-0060 EA 24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	115.05	7.77
11 13 13 00-0061 EA 18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	114.63	7.77
11 13 13 00-0062 EA 24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper.....	181.61	7.77
11 13 13 00-0063 T And L Shaped Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0064 EA 22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper.....	107.97	7.77
11 13 13 00-0065 EA 18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper.....	99.42	7.77
11 13 16 Loading Dock Seals And Shelters (11 13)		
11 13 16 13 Loading Dock Seals (11 13 16)		
11 13 16 13-0001 Vinyl Loading Dock Seals (11 13 16 13)		
11 13 16 13-0002 Standard Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0003 LF 10" Projection, Standard, Vinyl Loading Dock Seal	52.06	7.77
11 13 16 13-0004 LF 11" Projection, Standard, Vinyl Loading Dock Seal	52.95	7.77
11 13 16 13-0005 LF 12" Projection, Standard, Vinyl Loading Dock Seal	53.83	7.77
11 13 16 13-0006 LF 13" Projection, Standard, Vinyl Loading Dock Seal	55.59	7.77
11 13 16 13-0007 LF 14" Projection, Standard, Vinyl Loading Dock Seal	57.36	7.77
11 13 16 13-0008 LF 15" Projection, Standard, Vinyl Loading Dock Seal	59.15	7.77
11 13 16 13-0009 LF 16" Projection, Standard, Vinyl Loading Dock Seal	60.94	7.77
11 13 16 13-0010 LF 17" Projection, Standard, Vinyl Loading Dock Seal	62.78	7.77
11 13 16 13-0011 LF 18" Projection, Standard, Vinyl Loading Dock Seal	64.62	7.77
11 13 16 13-0012 LF 19" Projection, Standard, Vinyl Loading Dock Seal	66.38	7.77
11 13 16 13-0013 LF 20" Projection, Standard, Vinyl Loading Dock Seal	68.15	7.77
11 13 16 13-0014 LF 22" Projection, Standard, Vinyl Loading Dock Seal	71.72	7.77
11 13 16 13-0015 8" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0016 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	62.56	7.77
11 13 16 13-0017 LF 11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	63.44	7.77
11 13 16 13-0018 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	64.32	7.77
11 13 16 13-0019 LF 13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	66.11	7.77
11 13 16 13-0020 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	67.90	7.77
11 13 16 13-0021 LF 15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	69.67	7.77
11 13 16 13-0022 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	71.43	7.77
11 13 16 13-0023 LF 17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	73.22	7.77
11 13 16 13-0024 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	75.01	7.77
11 13 16 13-0025 LF 19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	76.77	7.77
11 13 16 13-0026 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	78.59	7.77
11 13 16 13-0027 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	82.12	7.77
11 13 16 13-0028 4" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0029 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	68.15	7.77
11 13 16 13-0030 LF 11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	69.05	7.77
11 13 16 13-0031 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	69.96	7.77
11 13 16 13-0032 LF 13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	71.72	7.77
11 13 16 13-0033 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	73.49	7.77
11 13 16 13-0034 LF 15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	75.28	7.77
11 13 16 13-0035 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	77.07	7.77
11 13 16 13-0036 LF 17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	78.83	7.77
11 13 16 13-0037 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	80.60	7.77
11 13 16 13-0038 LF 19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	82.39	7.77
11 13 16 13-0039 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	84.18	7.77

11 Equipment
11 10 Vehicle And Pedestrian Equipment
11 13 Loading Dock Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0040	LF		22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	87.81	7.77
11 13 16 13-0041			Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13)		
11 13 16 13-0042			Standard, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)		
11 13 16 13-0043	LF		10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	47.39	7.77
11 13 16 13-0044	LF		12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	48.78	7.77
11 13 16 13-0045	LF		14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	51.85	7.77
11 13 16 13-0046	LF		16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	54.87	7.77
11 13 16 13-0047	LF		18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	57.98	7.77
11 13 16 13-0048	LF		20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	61.01	7.77
11 13 16 13-0049	LF		22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	64.08	7.77
11 13 16 13-0050			8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)		
11 13 16 13-0051	LF		10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	57.31	7.77
11 13 16 13-0052	LF		12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	58.74	7.77
11 13 16 13-0053	LF		14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	61.81	7.77
11 13 16 13-0054	LF		16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	64.87	7.77
11 13 16 13-0055	LF		18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	67.90	7.77
11 13 16 13-0056	LF		20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	70.97	7.77
11 13 16 13-0057	LF		22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	73.99	7.77
11 13 16 13-0058			4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)		
11 13 16 13-0059	LF		10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	62.69	7.77
11 13 16 13-0060	LF		12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	64.08	7.77
11 13 16 13-0061	LF		14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	67.19	7.77
11 13 16 13-0062	LF		16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	70.21	7.77
11 13 16 13-0063	LF		18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	73.28	7.77
11 13 16 13-0064	LF		20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	76.30	7.77
11 13 16 13-0065	LF		22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	79.41	7.77
11 13 16 23			Loading Dock Shelters (11 13 16)		
11 13 16 23-0001			Retractable Vinyl Loading Dock Shelter, For Truck Or Train, Scissor Arms (11 13 16 23)		
11 13 16 23-0002	LF		Retractable Vinyl Dock Shelters.....	85.44	9.71
11 13 16 23-0003			Rigid Loading Dock Shelters (11 13 16 23)		
11 13 16 23-0004	LF		18" Projection, Rigid Loading Dock Shelter	59.92	9.33
11 13 16 23-0005	LF		24" Projection, Rigid Loading Dock Shelter	63.18	9.33
11 13 16 23-0006	LF		30" Projection, Rigid Loading Dock Shelter	65.55	9.71
11 13 16 23-0007	LF		36" Projection, Rigid Loading Dock Shelter	67.80	9.71
11 13 19			Stationary Loading Dock Equipment (11 13)		
Note: Includes all anchor bolts and fasteners.					
11 13 19 13			Loading Dock Levelers (11 13 19)		
11 13 19 13-0001			Hydraulic Dock Levelers (11 13 19 13)		
11 13 19 13-0002			20,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0003	EA		6' x 6', 20,000 LB Hydraulic Dock Leveler.....	6,837.38	312.40
11 13 19 13-0004	EA		6' x 8', 20,000 LB Hydraulic Dock Leveler.....	7,286.74	347.11
11 13 19 13-0005	EA		6' x 10', 20,000 LB Hydraulic Dock Leveler.....	9,010.58	416.53
11 13 19 13-0006	EA		7' x 6', 20,000 LB Hydraulic Dock Leveler.....	7,277.21	347.11
11 13 19 13-0007	EA		7' x 8', 20,000 LB Hydraulic Dock Leveler.....	7,927.72	381.81
11 13 19 13-0008	EA		7' x 10', 20,000 LB Hydraulic Dock Leveler.....	9,518.00	416.53
11 13 19 13-0009			25,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0010	EA		6' x 6', 25,000 LB Hydraulic Dock Leveler.....	6,999.37	312.40
11 13 19 13-0011	EA		6' x 8', 25,000 LB Hydraulic Dock Leveler.....	7,457.59	347.11
11 13 19 13-0012	EA		6' x 10', 25,000 LB Hydraulic Dock Leveler.....	9,170.72	416.53
11 13 19 13-0013	EA		7' x 6', 25,000 LB Hydraulic Dock Leveler.....	7,438.85	347.11
11 13 19 13-0014	EA		7' x 8', 25,000 LB Hydraulic Dock Leveler.....	8,079.14	381.81
11 13 19 13-0015	EA		7' x 10', 25,000 LB Hydraulic Dock Leveler.....	9,831.15	416.53
11 13 19 13-0016			30,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0017	EA		6' x 6', 30,000 LB Hydraulic Dock Leveler.....	7,291.29	364.46
11 13 19 13-0018	EA		6' x 8', 30,000 LB Hydraulic Dock Leveler.....	7,743.61	416.53
11 13 19 13-0019	EA		6' x 10', 30,000 LB Hydraulic Dock Leveler.....	9,483.46	485.95
11 13 19 13-0020	EA		7' x 6', 30,000 LB Hydraulic Dock Leveler.....	7,743.61	416.53
11 13 19 13-0021	EA		7' x 8', 30,000 LB Hydraulic Dock Leveler.....	8,378.70	468.59
11 13 19 13-0022	EA		7' x 10', 30,000 LB Hydraulic Dock Leveler.....	10,118.55	468.59
11 13 19 13-0023			35,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		



Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Loading Dock Equipment	11 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0024 EA 6' x 6', 35,000 LB Hydraulic Dock Leveler.....	7,553.49	347.11
11 13 19 13-0025 EA 6' x 8', 35,000 LB Hydraulic Dock Leveler.....	8,006.32	381.81
11 13 19 13-0026 EA 6' x 10', 35,000 LB Hydraulic Dock Leveler.....	10,157.11	451.24
11 13 19 13-0027 EA 7' x 6', 35,000 LB Hydraulic Dock Leveler.....	8,006.32	381.81
11 13 19 13-0028 EA 7' x 8', 35,000 LB Hydraulic Dock Leveler.....	8,681.16	416.53
11 13 19 13-0029 EA 7' x 10', 35,000 LB Hydraulic Dock Leveler.....	10,436.29	485.95
11 13 19 13-0030 40,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0031 EA 6' x 6', 40,000 LB Hydraulic Dock Leveler.....	8,073.16	347.11
11 13 19 13-0032 EA 6' x 8', 40,000 LB Hydraulic Dock Leveler.....	8,525.74	381.81
11 13 19 13-0033 EA 6' x 10', 40,000 LB Hydraulic Dock Leveler.....	10,276.28	451.24
11 13 19 13-0034 EA 7' x 6', 40,000 LB Hydraulic Dock Leveler.....	8,525.74	381.81
11 13 19 13-0035 EA 7' x 8', 40,000 LB Hydraulic Dock Leveler.....	9,200.89	416.53
11 13 19 13-0036 EA 7' x 10', 40,000 LB Hydraulic Dock Leveler.....	10,955.91	485.95
11 13 19 13-0037 45,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0038 EA 6' x 6', 45,000 LB Hydraulic Dock Leveler.....	8,453.98	381.81
11 13 19 13-0039 EA 6' x 8', 45,000 LB Hydraulic Dock Leveler.....	8,909.77	416.53
11 13 19 13-0040 EA 6' x 10', 45,000 LB Hydraulic Dock Leveler.....	10,656.57	485.95
11 13 19 13-0041 EA 7' x 6', 45,000 LB Hydraulic Dock Leveler.....	8,910.29	416.53
11 13 19 13-0042 EA 7' x 8', 45,000 LB Hydraulic Dock Leveler.....	9,583.04	451.24
11 13 19 13-0043 EA 7' x 10', 45,000 LB Hydraulic Dock Leveler.....	11,333.30	520.66
11 13 19 13-0044 Manual Dock Levelers (11 13 19 13)		
11 13 19 13-0045 20,000 LB Manual Dock Levelers (11 13 19 13-0044)		
11 13 19 13-0046 EA 6' x 6', 20,000 LB Manual Dock Leveler.....	5,144.71	312.40
11 13 19 13-0047 EA 6' x 8', 20,000 LB Manual Dock Leveler.....	5,604.77	347.11
11 13 19 13-0048 EA 6' x 10', 20,000 LB Manual Dock Leveler.....	7,317.91	416.53
11 13 19 13-0049 EA 7' x 6', 20,000 LB Manual Dock Leveler.....	5,586.07	347.11
11 13 19 13-0050 EA 7' x 8', 20,000 LB Manual Dock Leveler.....	6,235.05	381.81
11 13 19 13-0051 EA 7' x 10', 20,000 LB Manual Dock Leveler.....	7,997.96	416.53
11 13 19 13-0052 40,000 LB Manual Dock Levelers (11 13 19 13-0044)		
11 13 19 13-0053 EA 6' x 6', 40,000 LB Manual Dock Leveler.....	6,530.21	347.11
11 13 19 13-0054 EA 6' x 8', 40,000 LB Manual Dock Leveler.....	6,982.79	381.81
11 13 19 13-0055 EA 6' x 10', 40,000 LB Manual Dock Leveler.....	7,422.58	451.24
11 13 19 13-0056 EA 7' x 6', 40,000 LB Manual Dock Leveler.....	6,982.79	381.81
11 13 19 13-0057 EA 7' x 8', 40,000 LB Manual Dock Leveler.....	8,007.77	416.53
11 13 19 13-0058 EA 7' x 10', 40,000 LB Manual Dock Leveler.....	9,412.95	485.95
11 13 19 13-0059 Edge-Of-Dock Levelers (11 13 19 13)		
Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060 Hydraulic Edge-Of-Dock Levelers (11 13 19 13-0059)		
11 13 19 13-0061 EA 66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic.....	2,702.27	104.13
11 13 19 13-0062 EA 72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic.....	2,936.68	104.13
11 13 19 13-0063 EA 66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic.....	2,902.76	104.13
11 13 19 13-0064 EA 72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic.....	3,224.55	104.13
11 13 19 13-0065 Manual Edge-Of-Dock Levelers (11 13 19 13-0059)		
11 13 19 13-0066 EA 66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual.....	1,208.67	104.13
11 13 19 13-0067 EA 72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual.....	1,349.88	104.13
11 13 19 13-0068 EA 66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual.....	1,393.07	104.13
11 13 19 13-0069 EA 72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual.....	1,498.97	104.13
11 13 19 23 Stationary Loading Dock Lifts (11 13 19)		
11 13 19 23-0001 Top Of Ground, Fixed Platform Lifts (11 13 19 23)		
11 13 19 23-0002 EA 6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift.....	12,059.66	79.02
11 13 19 23-0003 Pit Mounted, Fixed Platform Lifts (11 13 19 23)		
11 13 19 23-0004 EA 6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted.....	8,104.83	79.02
11 13 19 23-0005 EA 6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted.....	14,935.40	118.53
11 13 19 23-0006 EA 7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted.....	26,319.43	237.08
11 13 19 23-0007 EA 8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted.....	27,449.04	316.10
11 13 19 26 Loading Dock Truck Lifts (11 13 19)		
11 13 19 26-0001 Hydraulic Truck Lifts (11 13 19 26)		
11 13 19 26-0002 EA 10' x 15', 60,000 LB Platform Truck Lift.....	23,550.73	634.44
11 13 19 26-0003 EA 10' x 20', 60,000 LB Platform Truck Lift.....	26,863.84	761.33
11 13 19 33 Loading Dock Truck Restraints (11 13 19)		

11 Equipment**11 10 Vehicle And Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 33-0001			Truck Restraint System <small>(11 13 19 33)</small>		
11 13 19 33-0002	EA		Truck Restraint System (Poweramp Powerstop AAL).....	5,503.57	130.16
			Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 19 33-0003	EA		Rotating Hook Truck Restraint System (Kelley Star 4)	4,540.12	130.16
			Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 23			Portable Dock Equipment <small>(11 13)</small>		
11 13 23 23			Portable Dock Platforms <small>(11 13 23)</small>		
11 13 23 23-0001	EA		6' x 6', 5,000 LB Capacity Portable Platform Lift	14,550.26	32.54
11 13 26			Loading Dock Lights <small>(11 13)</small>		
11 13 26 00-0001			Communication Lights <small>(11 13 26)</small>		
11 13 26 00-0002	EA		Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC	195.38	38.38
			Note: Excludes control console.		
11 13 26 00-0003	EA		Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	249.49	38.38
11 13 26 00-0004	EA		Dock Guide Light For Truck Backing	100.64	30.70
11 13 26 00-0005			Communication Lights Controls <small>(11 13 26)</small>		
11 13 26 00-0006	EA		Dock Communication Lights Control Console For Up To Two Docks	195.12	51.17
11 13 26 00-0007			Loading Dock Lights <small>(11 13 26)</small>		
11 13 26 00-0008			Incandescent Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0009	EA		24" Long, Single Arm Loading Dock Light, 300W Incandescent	262.72	51.17
11 13 26 00-0010	EA		40" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	225.98	51.17
11 13 26 00-0011	EA		60" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	318.66	51.17
11 13 26 00-0012			Metal Halide Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0013	EA		24" Long, Single Arm Loading Dock Light, 100W Metal Halide	389.69	51.17
11 13 26 00-0014	EA		40" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	433.23	51.17
11 13 26 00-0015	EA		60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	468.05	51.17
11 13 26 00-0016			Quartz Halogen Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0017	EA		24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	221.09	51.17
11 13 26 00-0018	EA		40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	248.63	51.17
11 13 26 00-0019	EA		60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	272.14	51.17
11 14			Pedestrian Control Equipment <small>(11 10)</small>		
11 14 13			Pedestrian Gates <small>(11 14)</small>		
11 14 13 16			Rotary Gates <small>(11 14 13)</small>		
11 14 13 16-0001			Access Control Indoor Or Outdoor Impenetrability <small>(11 14 13 16)</small>		
11 14 13 16-0002			Mechanical <small>(11 14 13 16-0001)</small>		
11 14 13 16-0003			Galvanized Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0004	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	6,602.73	705.84
11 14 13 16-0005	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	7,499.79	705.84
11 14 13 16-0006	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel.....	15,113.62	1,053.09
11 14 13 16-0007	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	14,618.92	1,053.09
11 14 13 16-0008			Powder Coated Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0009	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	7,511.33	705.84
11 14 13 16-0010	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	8,373.76	705.84
11 14 13 16-0011	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	17,935.06	1,053.09
11 14 13 16-0012	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	16,109.62	1,053.09
11 14 13 16-0013			Anodized Aluminum <small>(11 14 13 16-0002)</small>		
11 14 13 16-0014	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	7,905.44	705.84
11 14 13 16-0015	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	13,942.43	705.84
11 14 13 16-0016	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,037.06	1,053.09
11 14 13 16-0017	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	27,408.57	1,053.09
11 14 13 16-0018			Stainless Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0019	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	12,679.30	705.84
11 14 13 16-0020	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel.....	14,272.23	705.84
11 14 13 16-0021	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	20,390.42	1,053.09



	Equipment	11
	Vehicle And Pedestrian Equipment	11 10
	Pedestrian Control Equipment	11 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0022 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	25,568.28	1,053.09
11 14 13 16-0023 Transparent <small>(11 14 13 16-0002)</small>		
11 14 13 16-0024 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent.....	25,485.43	705.95
11 14 13 16-0025 Mechanical Options <small>(11 14 13 16-0001)</small>		
11 14 13 16-0026 EA Out-of-Use Lock Option, Add.....	140.16	
11 14 13 16-0027 EA Heel Protector (Each Heel Protector), Add.....	98.94	
11 14 13 16-0028 Electrical, One-Way <small>(11 14 13 16-0001)</small>		
11 14 13 16-0029 Galvanized Steel <small>(11 14 13 16-0028)</small>		
11 14 13 16-0030 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	7,000.14	705.84
11 14 13 16-0031 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	7,898.85	705.84
11 14 13 16-0032 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	16,597.72	1,053.09
11 14 13 16-0033 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	15,260.38	1,053.09
11 14 13 16-0034 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	16,597.72	1,053.09
11 14 13 16-0035 Powder Coated Steel <small>(11 14 13 16-0028)</small>		
11 14 13 16-0036 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	7,907.09	705.84
11 14 13 16-0037 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	8,911.33	705.84
11 14 13 16-0038 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	22,384.06	1,053.09
11 14 13 16-0039 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	16,759.32	1,053.09
11 14 13 16-0040 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	18,099.96	1,053.09
11 14 13 16-0041 Anodized Aluminum <small>(11 14 13 16-0028)</small>		
11 14 13 16-0042 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	8,071.99	705.84
11 14 13 16-0043 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	8,583.18	705.84
11 14 13 16-0044 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	14,437.13	705.84
11 14 13 16-0045 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	16,945.66	1,053.09
11 14 13 16-0046 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	18,906.32	1,053.09
11 14 13 16-0047 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	28,264.40	1,053.09
11 14 13 16-0048 Stainless Steel <small>(11 14 13 16-0028)</small>		
11 14 13 16-0049 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	13,512.04	705.84
11 14 13 16-0050 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	14,484.95	705.84
11 14 13 16-0051 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	23,483.95	1,053.09
11 14 13 16-0052 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	26,839.66	1,053.09
11 14 13 16-0053 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	29,641.31	1,053.09
11 14 13 16-0054 Transparent <small>(11 14 13 16-0028)</small>		
11 14 13 16-0055 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	23,214.76	705.95
11 14 13 16-0056 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	24,593.32	705.95
11 14 13 16-0057 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels.....	25,195.21	705.95
11 14 13 16-0058 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	41,497.62	1,053.09
11 14 13 16-0059 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	44,152.51	1,053.09
11 14 13 16-0060 Electrical, Two-Way <small>(11 14 13 16-0001)</small>		
11 14 13 16-0061 Galvanized Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0062 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	7,573.99	705.84
11 14 13 16-0063 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	8,499.08	705.84
11 14 13 16-0064 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	19,750.61	1,053.09
11 14 13 16-0065 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	16,284.41	1,053.09
11 14 13 16-0066 Powder Coated Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0067 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	8,410.04	705.84
11 14 13 16-0068 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	9,471.99	705.84
11 14 13 16-0069 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	22,882.06	1,053.09
11 14 13 16-0070 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	17,791.60	1,053.09
11 14 13 16-0071 Anodized Aluminum <small>(11 14 13 16-0060)</small>		
11 14 13 16-0072 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	8,637.60	705.84
11 14 13 16-0073 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	9,125.70	705.84
11 14 13 16-0074 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	15,095.08	705.84
11 14 13 16-0075 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	18,098.31	1,053.09
11 14 13 16-0076 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	29,334.60	1,053.09

11 Equipment**11 10 Vehicle And Pedestrian Equipment****11 14 Pedestrian Control Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 14 13 16-0077	Stainless Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0078	EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	14,069.40	705.84
11 14 13 16-0079	EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	15,058.80	705.84
11 14 13 16-0080	EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	23,892.90	1,053.09
11 14 13 16-0081	EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	27,664.16	1,053.09
11 14 13 16-0082	EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	30,779.12	1,053.09
11 14 13 16-0083	Transparent <small>(11 14 13 16-0060)</small>		
11 14 13 16-0084	EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	23,692.97	705.95
11 14 13 16-0085	EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	24,989.08	705.95
11 14 13 16-0086	EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	25,732.78	705.95
11 14 13 16-0087	EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	42,503.51	1,053.09
11 14 13 16-0088	EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	44,977.01	1,053.09
11 14 13 16-0089	Electrical Options <small>(11 14 13 16-0001)</small>		
11 14 13 16-0090	EA Additional Set Of Electric Controls, Per Rotor, Add	549.12	
11 14 13 16-0091	EA Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	385.87	
11 14 13 16-0092	EA Time-Out-Relay, Per Controlled Direction	126.97	
11 14 13 16-0093	EA Pulse-Relay, Per Controlled Direction.....	126.97	
11 14 13 16-0094	EA Pushbutton, Per Controlled Direction.....	100.59	
11 14 13 16-0095	EA Heel Protectors, (Per Heel Protector), Add	98.94	
11 14 13 16-0096	EA Card Reader Mounting Pad, Per Reader	90.70	
11 14 13 16-0097	EA Hydraulic Speed Control (Per Rotor), Add	2,303.65	
11 14 13 16-0098	Relocate Rotary Gate <small>(11 14 13 16-0001)</small>		
11 14 13 16-0099	EA Relocate Rotary Gate	2,073.40	
11 14 13 19	Turnstiles <small>(11 14 13)</small>		
11 14 13 19-0001	Security Turnstiles <small>(11 14 13 19)</small>		
11 14 13 19-0002	EA 7' Security Turnstile With Automatic Control Free Turning.....	6,735.71	350.33
	Note: One direction, Type B.		
11 14 13 19-0003	EA 7' Security Turnstile, Type B Free Turning In Both Directions.....	5,854.57	350.33
11 14 13 19-0004	EA 7' Security Turnstile With Automatic Control Free Turning.....	8,102.75	350.33
	Note: One direction, Type AA.		
11 14 13 19-0005	EA 7' Security Turnstile, Type AA Free Turning In Both Directions	7,296.01	350.33
11 14 13 19-0006	Turnstiles <small>(11 14 13 19)</small>		
11 14 13 19-0007	EA 24" Diameter Manual Turnstile, Three Arm, Two Way	1,308.55	148.17
11 14 13 19-0008	EA 24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	1,772.86	148.17

11 20 Commercial Equipment (11)**11 21 Retail and Service Equipment** (11 20)**11 21 63 Refrigerated Display Equipment** (11 21)

11 21 63 00-0001	Dairy Products <small>(11 21 63)</small>		
11 21 63 00-0002	Refrigerated Dairy Case <small>(11 21 63 00-0001)</small>		
11 21 63 00-0003	LF Refrigerated Case, Dairy, Multi-Deck.....	990.27	167.22
	For Rear Sliding Doors, Add	19.95	
11 21 63 00-0004	Refrigerated Milk Unit <small>(11 21 63 00-0001)</small>		
11 21 63 00-0005	EA 46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit.....	5,037.09	98.39
11 21 63 00-0006	Refrigerated Ice Cream And Milk Dispenser <small>(11 21 63 00-0001)</small>		
11 21 63 00-0007	EA 63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	5,585.40	108.05
11 21 63 00-0008	Ice Cream Dispenser <small>(11 21 63 00-0001)</small>		
11 21 63 00-0009	EA 46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	4,664.58	90.98
11 21 63 00-0010	Drop-In Ice Cream Freezer <small>(11 21 63 00-0001)</small>		
11 21 63 00-0011	EA 27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	1,163.25	22.65
11 21 63 00-0012	EA 30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	1,520.10	29.61
11 21 63 00-0013	Ice Cream Cabinets <small>(11 21 63 00-0001)</small>		
11 21 63 00-0014	EA 46" x 32" x 42", 24 Gallon Ice Cream Cabinet	3,643.59	70.76
11 21 63 00-0015	EA 68" x 32" x 42", 48 Gallon Ice Cream Cabinet	5,189.23	102.12



	Equipment	11
	Commercial Equipment	11 20
	Retail and Service Equipment	11 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0016 Delicatessen Case, Service Deli <small>(11 21 63)</small>		
11 21 63 00-0017 LF Delicatessen Case, Single-Deck.....	998.74	139.35
11 21 63 00-0018 LF Delicatessen Case, Multi-Deck.....	1,107.51	167.22
11 21 63 00-0019 EA Delicatessen Case, 3 Shelf, 32" x 23" x 23".....	1,335.37	27.40
11 21 63 00-0020 Meat Case <small>(11 21 63)</small>		
11 21 63 00-0021 LF Meat Case, Single - Deck.....	713.79	167.22
11 21 63 00-0022 LF Meat Case, Multi - Deck.....	774.59	167.22
11 21 63 00-0023 Produce Case <small>(11 21 63)</small>		
11 21 63 00-0024 LF Produce Case, Single - Deck.....	746.30	167.22
11 21 63 00-0025 LF Produce Case, Multi - Deck.....	826.45	167.22
11 21 63 00-0026 Bottle Coolers <small>(11 21 63)</small>		
11 21 63 00-0027 EA Bottle Cooler, 6' Long.....	2,799.61	557.42
11 21 63 00-0028 EA Bottle Cooler, 10' Long.....	4,191.80	836.13
11 21 63 00-0029 Cold Pan Units <small>(11 21 63)</small>		
11 21 63 00-0030 EA 5" x 48", Iced, Cold Pan Units.....	1,864.92	36.03
11 21 63 00-0031 EA 5" x 72", Iced, Cold Pan Units.....	2,590.70	50.41
11 21 63 00-0032 EA 8" x 72", Iced, Cold Pan Units.....	3,063.22	59.62
11 21 63 00-0033 EA 5" x 48", Mechanical, Cold Pan Units.....	3,148.78	61.60
11 21 63 00-0034 EA 8" x 48", Mechanical, Cold Pan Units.....	3,427.55	66.50
11 21 63 00-0035 EA 8" x 72", Mechanical, Cold Pan Units.....	4,072.98	78.58
11 21 63 00-0036 Cold Cabinets (Insulated) <small>(11 21 63)</small>		
11 21 63 00-0037 EA 69-3/4" x 32" x 24", Insulated Cold Cabinet.....	1,694.52	31.18
11 28 Office Equipment <small>(11 20)</small>		
11 28 13 Computers <small>(11 28)</small>		
11 28 13 00-0001 Accessories <small>(11 28 13)</small>		
11 28 13 00-0002 EA 32" Wall Track, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KN-020).....	621.76	25.52
11 28 13 00-0003 EA 32" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KU-020).....	766.01	28.07
11 28 13 00-0004 EA 32" Wall Track, eDesk, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EN-020).....	1,002.62	30.62
11 28 13 00-0005 EA 32" Wall Track, eDesk, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EU-020).....	1,084.23	33.17
11 28 13 00-0006 EA 32" Wall Track, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KN-020).....	797.48	28.07
11 28 13 00-0007 EA 32" Wall Track, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KU-020).....	833.08	28.07
11 28 13 00-0008 EA 32" Wall Track, eDesk, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EN-020).....	1,183.46	35.73
11 28 13 00-0009 EA 32" Wall Track, eDesk, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EU-020).....	1,259.95	35.73
11 28 13 00-0010 EA 25" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (Ergotron 45-271-026).....	659.39	28.07
11 28 13 00-0011 EA 37" To 61" Universal Tilt Flat Monitor Wall Mount (Premier Mounts CTM-MS2).....	169.80	28.07
11 28 13 00-0012 EA 32" To 56" Universal Tilt Flat Monitor Wall Mount (Peerless ST650P).....	116.62	28.07
11 30 Residential Equipment <small>(11)</small>		
11 32 Unit Kitchens <small>(11 30)</small>		
11 32 13 Metal Unit Kitchens <small>(11 32)</small>		
Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.		
11 32 13 00-0001 30" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0002 EA 30" Compact Unit Kitchen With Refrigerator, Range And Sink.....	1,713.55	225.91
For Gas Unit, Add	211.85	
11 32 13 00-0003 EA 30" Compact Unit Kitchen With Refrigerator And Sink.....	1,536.07	158.14
11 32 13 00-0004 EA 30" Compact Unit Kitchen With Refrigerator And Range.....	1,426.69	135.55
11 32 13 00-0005 EA 30" Compact Unit Kitchen Cabinet For Upper Wall Section.....	373.40	116.60
11 32 13 00-0006 EA 30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	881.99	77.73
For Range Hood In Upper Section, Add	179.00	
11 32 13 00-0007 EA 30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	50.42	5.20
11 32 13 00-0008 EA 30" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	43.31	5.20
11 32 13 00-0009 42" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0010 EA 42" Compact Unit Kitchen With Refrigerator, Range And Sink.....	2,029.23	248.50
For Gas Unit, Add	254.69	
11 32 13 00-0011 EA 42" Compact Unit Kitchen With Refrigerator And Sink.....	1,878.96	203.32
11 32 13 00-0012 EA 42" Compact Unit Kitchen Cabinet For Upper Wall Section.....	495.94	66.07

11	Equipment
11 30	Residential Equipment
11 32	Unit Kitchens



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 32 13 00-0013 EA 42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,030.89	87.45
<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0014 EA 42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	63.86	5.20
11 32 13 00-0015 EA 42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	49.86	5.20
11 32 13 00-0016 54" Compact Kitchen (11 32 13)		
11 32 13 00-0017 EA 54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	2,793.94	316.27
<i>For Gas Unit, Add</i>	355.84	
11 32 13 00-0018 EA 54" Compact Unit Kitchen Cabinet For Upper Wall Section.....	626.26	38.87
11 32 13 00-0019 EA 54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,146.63	97.16
<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0020 EA 54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	75.84	5.20
11 32 13 00-0021 EA 54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	50.84	5.20
11 32 13 00-0022 60" Compact Kitchen (11 32 13)		
11 32 13 00-0023 EA 60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink.....	2,924.73	338.86
<i>For Gas Unit, Add</i>	370.94	
11 32 13 00-0024 EA 60" Compact Unit Kitchen Cabinet For Upper Wall Section.....	729.33	97.16
11 32 13 00-0025 EA 60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	81.85	5.20
11 32 13 00-0026 EA 60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	50.84	5.20
11 32 13 00-0027 72" Compact Kitchen (11 32 13)		
11 32 13 00-0028 EA 72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	3,141.10	361.45
<i>For Gas Unit, Add</i>	398.88	
11 32 13 00-0029 EA 72" Compact Unit Kitchen Cabinet For Upper Wall Section.....	896.59	116.60
11 32 13 00-0030 EA 72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	97.03	6.50
11 32 13 00-0031 EA 72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	52.02	6.50

11 40 Foodservice Equipment (11)**11 41 Foodservice Storage Equipment (11 40)****11 41 13 Refrigerated Food Storage Cases (11 41)****11 41 13 00-0001 Frozen Food Cases (11 41 13)**

11 41 13 00-0002 LF Chest Type Frozen Food Case.....	740.56	167.22
11 41 13 00-0003 LF Reach-in Frozen Food Case (Glass Door).....	1,469.84	167.22
11 41 13 00-0004 LF Island Type Frozen Food Case.....	869.49	167.22
11 41 13 00-0005 LF Multi-Deck Frozen Food Case	1,407.44	167.22

11 41 13 00-0006 Reach-In Refrigerators (11 41 13)

11 41 13 00-0007 EA Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	2,897.76	66.75
11 41 13 00-0008 EA Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	3,567.63	84.19
11 41 13 00-0009 EA Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,783.56	93.01
11 41 13 00-0010 EA Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	3,199.25	66.75
11 41 13 00-0011 EA Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	4,165.62	84.19
11 41 13 00-0012 EA Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,564.39	93.01
11 41 13 00-0013 EA Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	3,492.65	66.75
11 41 13 00-0014 EA Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,729.91	84.19
11 41 13 00-0015 EA Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,373.39	66.75
11 41 13 00-0016 EA Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	6,316.82	84.19

11 41 13 00-0017 Reach-In Freezers (11 41 13)

11 41 13 00-0018 EA Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer.....	3,266.59	66.83
11 41 13 00-0019 EA Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	4,335.50	84.07

11 41 31 Non-Refrigerated Storage Equipment (11 41)**11 41 31 00-0001 Wall Cabinets (11 41 31)**

11 41 31 00-0002 EA 48" Wall Cabinet With Sliding Doors.....	1,774.65	30.35
Note: 15" deep and 24" high.		
11 41 31 00-0003 EA 72" Wall Cabinet With Sliding Doors.....	2,341.62	40.07
Note: 15" deep and 24" high.		
11 41 31 00-0004 EA 72" Wall Cabinet With Hinged Doors	2,687.80	45.94
Note: 15" deep and 24" high.		
11 41 31 00-0005 EA 72" Wall Cabinet With Open Shelves.....	1,720.32	29.31
Note: 15" deep and 24" high.		

11 41 31 00-0006 Mobile Sheet Pan Truck (11 41 31)

11 41 31 00-0007 EA 2 Level Mobile Sheet Pan Truck	166.59	2.83
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11 41 31 00-0008 Pot And Utensil Rack (11 41 31)

11 41 31 00-0009 EA 70" Bench Type Pot And Utensil Rack.....	485.35	8.63
11 41 31 00-0010 EA 94" Bench Type Pot And Utensil Rack.....	562.91	9.75
11 41 31 00-0011 EA 94" Ceiling Type Pot And Utensil Rack.....	669.12	11.68



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 31 00-0012	EA		96" Wall Type Pot And Utensil Rack.....	363.83	6.38
11 41 31 00-0013 Tray And Silverware Cart (11 41 31)					
11 41 31 00-0014	EA		33" x 22-1/2" x 42" Tray And Silverware Cart	1,680.03	29.12
11 41 31 00-0015 Flat Top Utility Units (11 41 31)					
11 41 31 00-0016	EA		39" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,145.36	19.90
11 41 31 00-0017	EA		79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,534.97	26.60
11 41 33 Foodservice Shelving (11 41)					
11 41 33 00-0001 Shelving/Racks (11 41 33)					
11 41 33 00-0002 Chrome Shelving Units (11 41 33 00-0001)					
11 41 33 00-0003 54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)					
11 41 33 00-0004	EA		14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	143.05	10.48
11 41 33 00-0005	EA		14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	152.05	10.58
11 41 33 00-0006	EA		14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	163.24	10.66
11 41 33 00-0007	EA		14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	170.08	10.75
11 41 33 00-0008	EA		14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	183.41	10.84
11 41 33 00-0009	EA		14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	194.65	10.92
11 41 33 00-0010	EA		14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	203.65	11.01
11 41 33 00-0011	EA		14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	223.83	11.18
11 41 33 00-0012	EA		18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	158.60	10.58
11 41 33 00-0013	EA		18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	165.42	10.66
11 41 33 00-0014	EA		18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	172.27	10.75
11 41 33 00-0015	EA		18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	192.20	10.84
11 41 33 00-0016	EA		18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	205.58	10.92
11 41 33 00-0017	EA		18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	223.32	11.01
11 41 33 00-0018	EA		18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	230.10	11.09
11 41 33 00-0019	EA		18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	254.72	11.27
11 41 33 00-0020	EA		21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	167.62	10.66
11 41 33 00-0021	EA		21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	183.15	10.75
11 41 33 00-0022	EA		21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	194.39	10.84
11 41 33 00-0023	EA		21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	207.73	10.92
11 41 33 00-0024	EA		21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	216.77	11.01
11 41 33 00-0025	EA		21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	238.88	11.09
11 41 33 00-0026	EA		21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	250.07	11.18
11 41 33 00-0027	EA		21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	279.02	11.35
11 41 33 00-0028	EA		24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	187.59	10.75
11 41 33 00-0029	EA		24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	196.59	10.84
11 41 33 00-0030	EA		24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	203.38	10.92
11 41 33 00-0031	EA		24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	221.16	11.01
11 41 33 00-0032	EA		24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	232.34	11.09
11 41 33 00-0033	EA		24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	254.46	11.18
11 41 33 00-0034	EA		24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	269.99	11.27
11 41 33 00-0035	EA		24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	307.73	11.44
11 41 33 00-0036	EA		30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	257.81	10.84
11 41 33 00-0037	EA		30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	293.00	10.92
11 41 33 00-0038	EA		30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	315.17	11.01
11 41 33 00-0039	EA		30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	365.72	11.09
11 41 33 00-0040	EA		36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	287.24	11.18
11 41 33 00-0041	EA		36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	320.33	11.27
11 41 33 00-0042	EA		36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	362.07	11.35
11 41 33 00-0043	EA		36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	429.60	11.52
11 41 33 00-0044 63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)					
11 41 33 00-0045	EA		14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	145.21	10.48
11 41 33 00-0046	EA		14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	154.20	10.58
11 41 33 00-0047	EA		14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	165.38	10.66
11 41 33 00-0048	EA		14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	172.23	10.75
11 41 33 00-0049	EA		14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	185.56	10.84
11 41 33 00-0050	EA		14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	196.79	10.92
11 41 33 00-0051	EA		14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	205.80	11.01
11 41 33 00-0052	EA		14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	225.97	11.18
11 41 33 00-0053	EA		18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	160.74	10.58
11 41 33 00-0054	EA		18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	167.58	10.66
11 41 33 00-0055	EA		18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	174.42	10.75
11 41 33 00-0056	EA		18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	194.34	10.84
11 41 33 00-0057	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	207.73	10.92
11 41 33 00-0058	EA		18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	225.46	11.01
11 41 33 00-0059	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	232.25	11.09
11 41 33 00-0060	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	235.62	11.27
11 41 33 00-0061	EA		21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	169.77	10.66
11 41 33 00-0062	EA		21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	185.30	10.75
11 41 33 00-0063	EA		21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	196.53	10.84
11 41 33 00-0064	EA		21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	209.87	10.92
11 41 33 00-0065	EA		21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	218.92	11.01
11 41 33 00-0066	EA		21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	241.02	11.09
11 41 33 00-0067	EA		21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	252.22	11.18



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains multiple rows of equipment details grouped by minor numbers like 11 41 33 00-0316 and 11 41 33 00-0349.

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 33 00-0386	EA	18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	447.96	11.27
11 41 33 00-0387	EA	24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	369.68	10.92
11 41 33 00-0388	EA	24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	431.04	11.09
11 41 33 00-0389	EA	24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	478.36	11.27
11 41 33 00-0390	EA	24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	549.07	11.44
11 41 33 00-0391		63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0392	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	341.09	10.75
11 41 33 00-0393	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	376.73	10.92
11 41 33 00-0394	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	424.03	11.09
11 41 33 00-0395	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	452.63	11.27
11 41 33 00-0396	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	374.35	10.92
11 41 33 00-0397	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	435.71	11.09
11 41 33 00-0398	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	483.03	11.27
11 41 33 00-0399	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	553.74	11.44
11 41 33 00-0400		74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0401	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	345.76	10.75
11 41 33 00-0402	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	381.40	10.92
11 41 33 00-0403	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	428.72	11.09
11 41 33 00-0404	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	457.30	11.27
11 41 33 00-0405	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	379.02	10.92
11 41 33 00-0406	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	440.38	11.09
11 41 33 00-0407	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	487.70	11.27
11 41 33 00-0408	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	558.42	11.44
11 41 33 00-0409		86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0410	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	357.48	10.75
11 41 33 00-0411	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	393.11	10.92
11 41 33 00-0412	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	440.43	11.09
11 41 33 00-0413	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	469.02	11.27
11 41 33 00-0414	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	390.74	10.92
11 41 33 00-0415	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	452.11	11.09
11 41 33 00-0416	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	499.42	11.27
11 41 33 00-0417	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	570.13	11.44
11 41 33 00-0418		Stainless Steel Shelving Unit (11 41 33 00-0001)		
11 41 33 00-0419		63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0420	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	614.84	10.75
11 41 33 00-0421	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	725.33	10.92
11 41 33 00-0422	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	865.23	11.09
11 41 33 00-0423	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,011.80	11.27
11 41 33 00-0424	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	734.67	10.92
11 41 33 00-0425	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	861.56	11.09
11 41 33 00-0426	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,028.19	11.27
11 41 33 00-0427	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,248.62	11.44
11 41 33 00-0428		74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0429	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	638.24	10.75
11 41 33 00-0430	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	748.74	10.92
11 41 33 00-0431	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	891.96	11.09
11 41 33 00-0432	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,035.19	11.27
11 41 33 00-0433	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	758.07	10.92
11 41 33 00-0434	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	884.95	11.09
11 41 33 00-0435	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,051.58	11.27
11 41 33 00-0436	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,272.03	11.44
11 41 33 00-0437		86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0438	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	661.63	10.75
11 41 33 00-0439	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	772.13	10.92
11 41 33 00-0440	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	915.35	11.09
11 41 33 00-0441	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,058.59	11.27
11 41 33 00-0442	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	781.47	10.92
11 41 33 00-0443	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	908.36	11.09
11 41 33 00-0444	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,074.99	11.27
11 41 33 00-0445	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,295.42	11.44
11 41 33 00-0446		63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0447	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	741.21	10.75
11 41 33 00-0448	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	822.36	10.92
11 41 33 00-0449	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	930.27	11.09
11 41 33 00-0450	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	995.23	11.27
11 41 33 00-0451	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	893.77	10.92
11 41 33 00-0452	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,058.07	11.09



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0453	EA		24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,177.76	11.27
11 41 33 00-0454	EA		24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,357.02	11.44
11 41 33 00-0455			74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0456	EA		18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	764.60	10.75
11 41 33 00-0457	EA		18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	847.17	10.92
11 41 33 00-0458	EA		18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	957.00	11.09
11 41 33 00-0459	EA		18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,023.07	11.27
11 41 33 00-0460	EA		24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	917.18	10.92
11 41 33 00-0461	EA		24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,081.47	11.09
11 41 33 00-0462	EA		24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,202.47	11.27
11 41 33 00-0463	EA		24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,383.75	11.44
11 41 33 00-0464			86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0465	EA		18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	788.00	10.75
11 41 33 00-0466	EA		18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	870.12	10.92
11 41 33 00-0467	EA		18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	979.37	11.09
11 41 33 00-0468	EA		18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,045.13	11.27
11 41 33 00-0469	EA		24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	940.57	10.92
11 41 33 00-0470	EA		24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,104.87	11.09
11 41 33 00-0471	EA		24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,225.11	11.27
11 41 33 00-0472	EA		24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,405.22	11.44
11 41 33 00-0473			Galvanized Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0474	EA		18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	124.34	7.73
11 41 33 00-0475	EA		18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	131.64	7.94
11 41 33 00-0476	EA		18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	140.07	8.16
11 41 33 00-0477	EA		18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	156.23	8.38
11 41 33 00-0478	EA		18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	170.20	8.59
11 41 33 00-0479	EA		24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	135.43	7.73
11 41 33 00-0480	EA		24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	149.39	7.94
11 41 33 00-0481	EA		24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	157.81	8.16
11 41 33 00-0482	EA		24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	172.87	8.38
11 41 33 00-0483	EA		24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	190.17	8.59
11 41 33 00-0484			Stainless Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0485	EA		18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	371.21	8.16
11 41 33 00-0486	EA		18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	470.92	8.38
11 41 33 00-0487	EA		18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	812.38	8.59
11 41 33 00-0488	EA		24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	408.30	8.16
11 41 33 00-0489	EA		24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	513.86	8.38
11 41 33 00-0490	EA		24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	888.18	8.59
11 41 33 00-0491			Mobile Racks (11 41 33 00-0001)		
11 41 33 00-0492	EA		Mobile Rack With Pan Slide.....	1,428.23	13.01
11 41 33 00-0493			Can Racks (11 41 33 00-0001)		
11 41 33 00-0494	EA		27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack	2,196.99	13.01
			Note: 156 #10 cans capacity		
11 42 Food Preparation Equipment (11 40)					
11 42 13 Food Preparation Appliances (11 42)					
11 42 13 00-0001 Vertical Cutter Mixers (11 42 13)					
11 42 13 00-0002	EA		Bench Type Mixers, 25 Quart	8,490.36	100.22
11 42 13 00-0003	EA		Bench Type Mixers, 40 Quart	9,780.41	100.22
11 42 13 00-0004	EA		Bench Type Mixers, 80 Quart	12,179.23	172.38
11 42 13 00-0005	EA		Bench Type Mixers, 130 Quart	13,667.59	280.62
11 42 13 00-0006 Choppers (11 42 13)					
11 42 13 00-0007	EA		Choppers, 5 LB.....	2,041.91	80.18
11 42 13 00-0008	EA		Choppers, 16 LB	3,004.15	104.23
11 42 13 00-0009	EA		Choppers, 35 LB - 40 LB	5,929.98	128.29
11 42 13 00-0010	EA		Choppers, 35 LB - 40 LB/Min, 2 HP.....	4,947.69	113.97
11 42 13 00-0011	EA		Choppers, 35 LB - 40 LB/Min, 3 HP	5,633.76	113.97
11 42 13 00-0012 Floor Model Mixer (11 42 13)					
11 42 13 00-0013	EA		Floor Type Mixers, 20 Quart	4,070.80	60.14
11 42 13 00-0014	EA		Floor Type Mixers, 60 Quart	10,116.62	40.08
11 42 13 00-0015	EA		Floor Type Mixers, 80 Quart	16,001.26	40.08
11 42 13 00-0016	EA		Floor Type Mixers, 140 Quart	20,269.76	64.14

11	Equipment
11 40	Foodservice Equipment
11 42	Food Preparation Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0017 Slicers <small>(11 42 13)</small>		
11 42 13 00-0018 EA Slicer With Table.....	3,348.11	57.89
11 42 13 00-0019 Peelers <small>(11 42 13)</small>		
11 42 13 00-0020 EA Small Peeler.....	2,249.82	65.14
11 42 13 00-0021 EA Large Peeler.....	2,350.03	86.87
11 42 13 00-0022 Proof Boxes <small>(11 42 13)</small>		
11 42 13 00-0023 EA 30-1/2" x 22-1/2", Stainless Steel Proof Box.....	1,167.01	29.12
11 42 13 00-0024 EA 30-1/2" x 45", Stainless Steel Proof Box.....	1,952.76	48.79
11 42 13 00-0025 EA 30-1/2" x 45", Galvanized Proof Box.....	1,769.23	22.15
11 42 13 00-0026 Non-Insulated Heated Proof Cabinet <small>(11 42 13)</small>		
11 42 13 00-0027 EA Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	1,602.32	27.90
11 42 13 00-0028 EA Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	1,719.04	29.83
11 42 13 00-0029 EA Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	1,591.47	27.67
11 42 13 00-0030 EA Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	1,686.73	29.34
11 42 13 00-0031 Insulated Heated Proof Cabinet <small>(11 42 13)</small>		
11 42 13 00-0032 EA 3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet.....	2,597.07	44.46
11 42 13 00-0033 EA 3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet.....	2,713.96	46.48
11 42 13 00-0034 Pass-Thru Hot Food Holding Cabinet <small>(11 42 13)</small>		
11 42 13 00-0035 EA Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	4,048.89	84.19
11 42 13 00-0036 EA Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	4,312.95	84.19
11 42 13 00-0037 EA Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	5,526.19	88.19
11 42 13 00-0038 EA Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	6,065.60	88.19
11 42 16 Food Preparation Surfaces <small>(11 42)</small>		
11 42 16 00-0001 Tables <small>(11 42 16)</small>		
11 42 16 00-0002 Baker's Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0003 EA 4' Open Base Baker's Table.....	765.12	19.83
11 42 16 00-0004 EA 10' Open Base Baker's Table.....	1,501.69	38.87
11 42 16 00-0005 EA 10' Undershef Baker's Table.....	1,852.84	47.96
11 42 16 00-0006 EA 10' Three Drawers Baker's Table.....	1,987.12	51.49
11 42 16 00-0007 EA 10' Bins Baker's Table.....	2,923.58	75.79
11 42 16 00-0008 EA 10' Bins And Drawers Baker's Table.....	4,590.91	118.97
11 42 16 00-0009 Preparation Table, Stainless Steel, With Undershef <small>(11 42 16 00-0001)</small>		
11 42 16 00-0010 EA 30" x 72" Square Edge Stainless Steel Preparation Table With Undershef.....	426.43	10.45
11 42 16 00-0011 EA 30" x 72" Marine Edge Stainless Steel Preparation Table With Undershef.....	459.38	12.55
11 42 16 00-0012 EA 36" x 96" Marine Edge Stainless Steel Preparation Table With Undershef.....	694.64	17.06
11 42 16 00-0013 Preparation Table, Stainless Steel, With Open Front <small>(11 42 16 00-0001)</small>		
11 42 16 00-0014 EA 30" X 72" Round Edge Stainless Steel Preparation Table With Open Front.....	449.01	11.00
11 42 16 00-0015 EA 36" X 96" Round Edge Stainless Steel Preparation Table With Open Front.....	577.12	14.14
11 42 16 00-0016 EA 36" X 96" Square Edge Stainless Steel Preparation Table With Open Front.....	495.74	12.17
11 42 16 00-0017 EA 36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front.....	596.71	14.65
11 42 16 00-0018 EA Roller Utility Drawers Stainless Steel Preparation Table With Open Front.....	120.54	2.96
11 42 16 00-0019 Mobile Tables <small>(11 42 16 00-0001)</small>		
11 42 16 00-0020 EA 21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	1,701.35	9.37
11 42 16 00-0021 EA 32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	912.87	11.23
11 42 16 00-0022 EA 32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top.....	513.84	12.63
11 42 16 00-0023 Hot Food Tables, Stainless Steel, Gas Or Electric <small>(11 42 16 00-0001)</small>		
11 42 16 00-0024 EA 32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables.....	917.70	22.54
11 42 16 00-0025 EA 32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables.....	744.36	18.27
11 42 16 00-0026 EA Full Size Pan With Cover Stainless Steel Hot Food Tables.....	61.78	1.52
11 42 16 00-0027 EA Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables.....	90.40	2.22
11 42 16 00-0028 EA 58-1/2", 4 Openings Stainless Steel Hot Food Tables.....	1,821.72	45.60
11 42 16 00-0029 EA 114-1/2", 8 Openings Stainless Steel Hot Food Tables.....	3,624.22	90.98
11 42 16 00-0030 Basic Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0031 LF Table, Basic.....	244.01	7.24
11 42 16 00-0032 Table With Sink <small>(11 42 16)</small>		
11 42 16 00-0033 LF Table With Sink.....	297.84	17.36



Equipment	11	
Foodservice Equipment	11 40	11
Food Preparation Equipment	11 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 42 23 Food Preparation Scullery Sinks (11 42)

11 42 23 00-0001 Stainless Steel Scullery Sinks (11 42 23)

Note: Excludes faucet. See CSI section 22 42 39 00-0068 for service sink faucets.

11 42 23 00-0002	EA	Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard.....	1,955.42	72.82
		<i>For Additional Drain Board, Add</i>	<i>188.26</i>	
11 42 23 00-0003	EA	Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard.....	2,741.92	83.22
		<i>For Additional Drain Board, Add</i>	<i>266.39</i>	
11 42 23 00-0004	EA	Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard.....	3,630.72	83.22
		<i>For Additional Drain Board, Add</i>	<i>354.75</i>	
11 42 23 00-0005	EA	Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard.....	5,190.20	83.22
		<i>For Additional Drain Board, Add</i>	<i>510.70</i>	
11 42 23 00-0006	EA	Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard.....	3,292.66	83.22

11 44 Food Cooking Equipment (11 44)

11 44 13 Commercial Ranges (11 44)

11 44 13 00-0001 Range (11 44 13)

11 44 13 00-0002	EA	Heavy Duty Range, With 34" Open Top Oven.....	1,982.49	40.08
11 44 13 00-0003	EA	Range With Fry Top.....	1,982.49	40.08
11 44 13 00-0004	EA	Steel Finish Fry Top.....	4,302.98	54.76
11 44 13 00-0005	EA	Stainless Top Only Fry Top.....	4,301.98	54.14
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top.....	4,970.35	63.03
11 44 13 00-0007	EA	Gas Range, Vulcan #260L.....	4,467.22	56.16

Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.

11 44 16 Commercial Ovens (11 44)

11 44 16 00-0001 Bake Oven (11 44 16)

11 44 16 00-0002	EA	Bake Oven - Single Deck.....	4,149.11	60.14
11 44 16 00-0003	EA	Bake Oven - Double Deck.....	8,562.63	80.18
11 44 16 00-0004	EA	Bake Oven - Triple Deck.....	12,506.90	80.18
11 44 16 00-0005	EA	Rotary Oven, Gas, Medium.....	26,838.50	2,605.75

11 44 16 00-0006 Combination Ovens (11 44 16)

Note: Convection, steam and combination modes.

11 44 16 00-0007	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven.....	13,288.94	70.16
11 44 16 00-0008	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven.....	21,833.14	80.18
11 44 16 00-0009	EA	35.4" x 34" x 36.8" Half Size Electric Boilerless Combination Oven.....	18,023.78	80.18
11 44 16 00-0010	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven.....	43,584.47	100.22
11 44 16 00-0011	EA	35.4" x 34" x 70.4" Half Size Electric Boilerless Combination Oven.....	33,066.51	100.22

11 44 16 00-0012 Electric Convection Type Oven (11 44 16)

11 44 16 00-0013	EA	40" x 45" x 57" Convection Oven.....	6,560.56	68.15
11 44 16 00-0014	EA	30" x 25" x 29" Half Size Electric Convection Oven.....	3,824.82	70.16
11 44 16 00-0015	EA	30" x 25" x 66-3/4" Half Size Electric Convection Oven.....	7,915.13	75.16
11 44 16 00-0016	EA	40" x 41-1/2" x 56-3/4" Single Deck Electric Convection Oven.....	5,427.38	75.16
11 44 16 00-0017	EA	40" x 41-1/2" x 70" Single Deck Electric Convection Oven.....	10,370.49	80.18

11 44 16 00-0018 Broiler, Without Oven (11 44 16)

11 44 16 00-0019	EA	69" x 26" x 39" Broiler Without Oven.....	5,593.31	64.14
11 44 16 00-0020	EA	Conveyor Broiler.....	4,940.70	74.44

11 44 19 Other Commercial Cooking Equipment (11 44)

11 44 19 00-0001 Electric Griddle (11 44 19)

11 44 19 00-0002	EA	24" Wide x 24" Deep Electric Griddle.....	2,294.09	55.12
11 44 19 00-0003	EA	36" Wide x 24" Deep Electric Griddle.....	3,283.53	55.12
11 44 19 00-0004	EA	48" Wide x 24" Deep Electric Griddle.....	3,760.79	60.14
11 44 19 00-0005	EA	60" Wide x 24" Deep Electric Griddle.....	4,510.72	60.14
11 44 19 00-0006	EA	72" Wide x 24" Deep Electric Griddle.....	5,792.11	65.14

11 44 19 00-0007 Fryer, With Submerger (11 44 19)

11 44 19 00-0008	EA	Single Fryer With Submerger.....	3,007.85	64.14
11 44 19 00-0009	EA	Double Fryer With Submerger.....	6,188.05	80.18
11 44 19 00-0010	EA	Fryer Battery With Filter Unit (Single 42 LB Capacity).....	9,396.55	104.23
11 44 19 00-0011	EA	Fryer Battery With Filter Unit (Triple 42 LB Capacity).....	22,432.17	130.28
11 44 19 00-0012	EA	50 LB Capacity, 208 Volt, Electric Fryer.....	3,627.35	80.18
11 44 19 00-0013	EA	50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	5,369.24	84.19
11 44 19 00-0014	EA	50 LB Capacity, 480 Volt, Electric Fryer.....	3,811.10	80.18
11 44 19 00-0015	EA	50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	5,552.99	84.19
11 44 19 00-0016	EA	85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	12,311.89	104.23
11 44 19 00-0017	EA	85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	12,613.43	104.23

11	Equipment
11 40	Foodservice Equipment
11 44	Food Cooking Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 44 19 00-0018			Kettles, Steam Jacketed <small>(11 44 19)</small>		
11 44 19 00-0019	EA		5 Gallon Kettle, With Stand.....	3,132.27	44.93
11 44 19 00-0020	EA		20 Gallon Kettle With Steam Jacket.....	4,167.71	44.93
11 44 19 00-0021	EA		40 Gallon Kettle With Steam Jacket.....	7,469.97	44.93
11 44 19 00-0022	EA		60 Gallon Kettle With Steam Jacket.....	11,720.65	44.93
11 44 19 00-0023			Steamers, Electric <small>(11 44 19)</small>		
11 44 19 00-0024			Cooking Equipment/ Steamers <small>(11 44 19 00-0023)</small>		
11 44 19 00-0025	EA		3 Pan, Electric Countertop Convection Steamer.....	5,004.09	84.19
11 44 19 00-0026	EA		5 Pan, Electric Countertop Convection Steamer.....	6,612.50	88.19
11 44 19 00-0027	EA		3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	4,624.01	84.19
11 44 19 00-0028	EA		5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	6,776.61	88.19
11 44 19 00-0029			Braising Pans <small>(11 44 19)</small>		
11 44 19 00-0030	EA		24" x 24", 240 Volt, Tilting Braising Pan.....	6,655.11	78.31
11 44 19 00-0031	EA		24" x 31", 240 Volt, Tilting Braising Pan.....	7,023.39	82.35
11 44 19 00-0032	EA		24" x 41", 240 Volt, Tilting Braising Pan.....	7,480.44	87.70
11 44 19 00-0033	EA		24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	8,675.72	102.12
11 44 19 00-0034	EA		24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	8,971.74	105.27
11 44 19 00-0035	EA		24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	9,322.42	108.05
11 44 19 00-0036			Toasters <small>(11 44 19)</small>		
11 44 19 00-0037	EA		Bun Toaster 3.2 KW.....	1,314.45	15.16
11 44 19 00-0038	EA		Bun Toaster 4.3 KW.....	1,434.63	16.52
11 44 19 00-0039	EA		Pop-Up Toaster, 2 Slot.....	369.05	43.41
11 44 19 00-0040	EA		Conveyor Toaster.....	652.60	65.14
11 44 19 00-0041			Ceramic Broiler On Storage Base With Doors <small>(11 44 19)</small>		
11 44 19 00-0042	EA		Standard Finish Ceramic Boiler On Storage Base With Doors.....	5,483.88	64.20
11 44 19 00-0043	EA		Stainless Steel Front Ceramic Boiler On Storage Base With Doors.....	5,483.88	64.20
11 44 19 00-0044	EA		Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors.....	6,815.33	80.15
11 44 19 00-0045			Gas Countertop Hot Plate <small>(11 44 19)</small>		
11 44 19 00-0046	EA		2 Burners Gas Countertop Hot Plate.....	699.12	8.17
11 46 Food Dispensing Equipment <small>(11 46)</small>					
11 46 13 Bar Equipment <small>(11 46)</small>					
11 46 13 00-0001			Soft Serve Machines <small>(11 46 13)</small>		
11 46 13 00-0002	EA		Soft Serve Machines, Medium.....	9,677.04	47.39
11 46 13 00-0003	EA		Soft Serve Machines, Large.....	16,365.57	57.89
11 46 13 00-0004			Salad Bars <small>(11 46 13)</small>		
11 46 13 00-0005	EA		96" Refrigerated Salad Bar With Light 54" Height.....	7,078.79	174.09
11 46 13 00-0006	EA		96" Refrigerated Salad Bar Without Light 54" Height.....	6,481.13	174.09
11 46 13 00-0007	EA		96" Iced Salad Bar Without Light 54" Height.....	4,579.15	95.65
11 46 13 00-0008	EA		79" Iced Salad Bar Without Light 54" Height.....	3,619.14	78.58
11 46 13 00-0009	EA		79" Refrigerated Salad Bar Without Light 54" Height.....	5,501.58	115.28
11 46 13 00-0010	EA		114" Iced Salad Bar 34" Height.....	6,080.14	102.12
11 46 13 00-0011	EA		Salad Bar Tray Fixed.....	1,201.77	17.29
11 46 13 00-0012	EA		Salad Bar Tray Hinged.....	1,280.56	17.29
11 46 16 Service Line Equipment <small>(11 46)</small>					
11 46 16 00-0001			Food Warmer Holding Station <small>(11 46 16)</small>		
11 46 16 00-0002	EA		Food Warmer Station And Heat Lamp.....	485.69	5.59
11 46 16 00-0003			Roll And Food Warmers <small>(11 46 16)</small>		
11 46 16 00-0004	EA		One Drawer, 16 Roll Capacity Food Warmer.....	1,045.13	12.05
11 46 16 00-0005	EA		Three Drawer, 36 Roll Capacity Food Warmer.....	2,391.70	27.60
11 46 16 00-0006			Hot Cabinets With Top Wells Electric <small>(11 46 16)</small>		
11 46 16 00-0007	EA		2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric.....	5,609.71	64.20
11 46 16 00-0008	EA		3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric.....	8,014.38	92.01
11 46 16 00-0009			Portable Hot Food Units <small>(11 46 16)</small>		
11 46 16 00-0010	EA		44-1/2", 3 Opening Portable Hot Food Unit.....	1,237.37	14.20
11 46 16 00-0011	EA		72-1/2", 5 Opening Portable Hot Food Unit.....	1,801.60	20.67



Equipment	11	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0012 Stationary Hot Food Units <small>(11 46 16)</small>		
11 46 16 00-0013 EA 44-1/2", 3 Opening Stationary Hot Food Unit.....	1,112.84	13.07
11 46 16 00-0014 EA 72-1/2", 5 Opening Stationary Hot Food Unit.....	1,642.04	19.27
11 46 16 00-0015 Serving Counters <small>(11 46 16)</small>		
11 46 16 00-0016 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section.....	77.52	16.36
11 46 16 00-0017 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section.....	93.31	25.06
11 46 16 00-0018 Drop-In Equipment <small>(11 46 16)</small>		
11 46 16 00-0019 EA Hot Food Well, Rectangular.....	328.58	52.11
11 46 16 00-0020 EA Hot Food Well, Circular.....	293.53	52.11
11 46 16 00-0021 EA Refrigerated Well, 2 Compartment.....	947.78	52.11
11 46 16 00-0022 EA Refrigerated Well, 3 Compartment.....	1,077.45	57.89
11 46 16 00-0023 EA Refrigerated Well, 4 Compartment.....	1,224.48	65.14
11 46 16 00-0024 EA Frost Cold Plate.....	1,535.54	57.89
11 46 16 00-0025 Beverage Dispensing <small>(11 46 16)</small>		
11 46 16 00-0026 EA Coffee Urn, Twin 3 Gallon.....	2,518.81	80.69
11 46 16 00-0027 EA Coffee Urn, Twin 6 Gallon.....	3,591.19	112.95
11 46 16 00-0028 EA Coffee Brewer, 5 Burner.....	950.10	80.69
11 46 16 00-0029 EA Hot Chocolate Dispenser.....	947.91	66.47
11 46 16 00-0030 EA Iced Tea Brewer.....	1,447.44	66.47
11 46 16 00-0031 EA Juice Dispenser (Concentrate).....	932.52	115.70
11 46 16 00-0032 EA Jet Spray Dispenser.....	1,414.74	115.82
11 46 16 00-0033 EA Milk Dispenser, Bulk, 2 Flavor.....	1,248.54	65.14
11 46 16 00-0034 EA Milk Dispenser, Bulk, 3 Flavor.....	1,748.07	65.14
11 46 16 00-0035 Dish Dispensers <small>(11 46 16)</small>		
11 46 16 00-0036 EA Dish Dispenser, 12", Drop-in.....	519.88	9.29
11 46 16 00-0037 EA Dish Dispenser, Mobile.....	1,683.29	10.86
11 46 16 00-0038 EA Cup And Glass Dispenser, Drop-in.....	843.02	28.89
11 46 16 00-0039 EA Disposable Cup Dispenser, Drop-in.....	319.74	6.50
11 46 16 00-0040 Tray And Silver Dispensers <small>(11 46 16)</small>		
11 46 16 00-0041 EA Tray And Silver Dispensers Mobile.....	2,126.83	6.50
11 46 16 00-0042 Condiment Dispensers <small>(11 46 16)</small>		
11 46 16 00-0043 EA Butter Pat Dispenser.....	98.65	8.15
11 46 16 00-0044 EA Bread Dispenser, Counter Top.....	328.26	8.15
11 46 16 00-0045 Sandwich Rack Warmer <small>(11 46 16)</small>		
11 46 16 00-0046 EA 18 Compartment, 2 Tier Sandwich Rack Warmer.....	2,612.16	44.65
11 46 16 00-0047 Mobile Bread Counter <small>(11 46 16)</small>		
11 46 16 00-0048 EA Mobile Bread And Roll Counter.....	5,999.71	100.39
11 46 16 00-0049 Open Service Stand <small>(11 46 16)</small>		
11 46 16 00-0050 EA 6' Open Service Stand.....	2,325.12	40.21
11 46 16 00-0051 LF Each Additional Ft Over 6 Ft Add.....	318.17	5.43
11 46 16 00-0052 Mobile Serving Stand Unit <small>(11 46 16)</small>		
11 46 16 00-0053 EA 36" Mobile Serving Stand Unit.....	2,025.67	38.46
11 46 16 00-0054 EA 96" Mobile Serving Stand Unit.....	3,338.08	57.64
11 46 16 00-0055 Reach-In Heated Cabinets <small>(11 46 16)</small>		
11 46 16 00-0056 EA Heated Cabinet, Reach-in, 1 Compartment.....	4,077.31	66.83
11 46 16 00-0057 EA Heated Cabinet, Reach-in, 2 Compartment.....	5,899.61	84.07
11 46 16 00-0058 EA Heated Cabinet, 1 Compartment, Pass-Through Roll-In.....	4,274.50	66.83
11 46 16 00-0059 EA Heated Cabinet, Pass-Through, Roll-In 2 Compartment.....	6,186.18	84.07
11 46 16 00-0060 Mobile Heated Cabinets <small>(11 46 16)</small>		
11 46 16 00-0061 EA Heated Cabinet, Mobile.....	4,677.32	16.27
11 46 19 Soda Fountain Equipment <small>(11 46)</small>		
11 46 19 00-0001 Carbonated Beverage Dispensing <small>(11 46 19)</small>		
11 46 19 00-0002 EA Carbonated Beverage Dispenser.....	2,620.07	162.88

11	Equipment
11 40	Foodservice Equipment
11 46	Food Dispensing Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 19 00-0003	EA		Carbonated Beverage Dispenser With 90 LB Ice	4,303.67	186.13
11 46 19 00-0004	EA		Carbonated Beverage Dispenser With 150 LB Ice	8,079.02	260.58
11 46 19 00-0005			Beverage Chilling Systems ^(11 46 19)		
11 46 19 00-0006	EA		Beverage Chiller, Small	4,143.25	138.69
11 46 19 00-0007	EA		Beverage Chiller, Large	7,795.92	208.05
11 46 83			Ice Machines ^(11 46)		
11 46 83 00-0001			Ice Cube Maker ^(11 46 83)		
11 46 83 00-0002	EA		101 LB/Day, Self Contained Ice Maker With Built-In Bin.....	1,807.73	70.16
11 46 83 00-0003	EA		201 LB/Day, Self Contained Ice Maker With Built-In Bin.....	2,156.07	75.16
11 46 83 00-0004	EA		260 LB/Day, Self Contained Ice Maker With Built-In Bin.....	2,480.24	80.18
11 46 83 00-0005	EA		320 LB/Day, Modular Ice Maker Without Bin	2,180.23	75.16
11 46 83 00-0006	EA		451 LB/Day, Modular Ice Maker Without Bin	2,370.81	80.18
11 46 83 00-0007	EA		600 LB/Day, Modular Ice Maker Without Bin	2,726.73	80.18
11 46 83 00-0008	EA		901 LB/Day, Modular Ice Maker Without Bin	3,929.99	85.18
11 46 83 00-0009	EA		1301 LB/Day, Modular Ice Maker Without Bin	4,471.82	85.18
11 46 83 00-0010	EA		1601 LB/Day, Modular Ice Maker Without Bin	5,404.29	90.20
11 46 83 00-0011	EA		1900 LB/Day, Modular Ice Maker Without Bin	5,980.11	90.20
11 46 83 00-0012			Ice Flakers ^(11 46 83)		
11 46 83 00-0013	EA		Ice Flakers, 300 LB/Day.....	3,159.98	278.71
11 46 83 00-0014	EA		Ice Flakers, 600 LB/Day.....	5,733.54	445.94
11 46 83 00-0015	EA		Ice Flakers, 1,000 LB/Day.....	7,077.52	613.16
11 46 83 00-0016	EA		Ice Flakers, 2,000 LB/Day.....	8,661.10	668.90
11 46 83 00-0017			Ice Storage Bins ^(11 46 83)		
11 46 83 00-0018	EA		260 LB Stainless Steel Ice Storage Bin	822.39	39.05
11 46 83 00-0019	EA		360 LB Stainless Steel Ice Storage Bin	909.39	39.05
11 46 83 00-0020	EA		550 LB Stainless Steel Ice Storage Bin	1,147.88	42.30
11 46 83 00-0021	EA		660 LB Stainless Steel Ice Storage Bin	1,244.55	42.30
11 46 83 00-0022	EA		1150 LB Stainless Steel Ice Storage Bin	2,459.34	45.56
11 48			Foodservice Cleaning and Disposal Equipment ^(11 40)		
11 48 13			Commercial Dishwashers ^(11 48)		
11 48 13 00-0001			Sprays And Hoses ^(11 48 13)		
11 48 13 00-0002			Sprays, Fillers ^(11 48 13 00-0001)		
11 48 13 00-0003	EA		Pre-Rinse Spray.....	284.98	32.94
11 48 13 00-0004	EA		Kettle Fillers	241.17	32.94
11 48 13 00-0005			Hoses ^(11 48 13 00-0001)		
11 48 13 00-0006	EA		Hose Reel.....	341.98	39.54
11 48 13 00-0007	EA		Wash-Down Hose	254.35	39.54
11 48 13 00-0008	EA		Hose Reel And Spray System With Accessories (Chicago 535NF).....	1,034.78	
11 48 13 00-0009			Rack Type Dishwasher ^(11 48 13)		
11 48 13 00-0010	EA		Dishwasher, 1 Tank And 190 Racks/Hour	7,373.28	90.37
11 48 13 00-0011	EA		Dishwasher, 2 Tanks And 234 Racks/Hour	12,422.39	126.51
11 48 13 00-0012	EA		Dishwasher, 2 Tanks And 265 Racks/Hour.....	14,939.01	135.55
11 48 13 00-0013	EA		Dishwasher, Automatic - 100 Meals/Hour.....	12,026.74	67.77
11 48 13 00-0014	EA		Dishwasher, Machine Rack	13,899.28	188.28
11 48 13 00-0015	EA		Dishwasher, Hobart LX30-H	3,658.37	79.07
11 48 13 00-0016			Exhaust Hood Dishwasher ^(11 48 13)		
11 48 13 00-0017	EA		4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	1,354.35	81.85
11 48 13 00-0018	EA		4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	2,400.77	98.22
11 48 13 00-0019			Dish Tables ^(11 48 13)		
11 48 13 00-0020	LF		Clean/Soiled Dish Table, Basic.....	154.30	17.36
11 48 13 00-0021	LF		Clean/Soiled Dish Table With Trough	243.94	26.01
11 48 13 00-0022	LF		Clean/Soiled Dish Table, Maximum	291.96	34.66
11 48 16			Food Waste Disposers ^(11 48)		
11 48 16 00-0001			Garbage Disposals ^(11 48 16)		
			Note: Manual switch.		
11 48 16 00-0002	EA		Garbage Disposal 1.5 HP At 100 GPH.....	1,989.35	67.77
11 48 16 00-0003	EA		Garbage Disposal 3 HP At 120 GPH	3,131.39	45.18
11 48 16 00-0004	EA		Garbage Disposal 5 HP At 250 GPH	3,764.69	90.37
11 48 16 00-0005	EA		Garbage Disposal 7-1/2 HP	5,267.83	89.82



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Cleaning and Disposal Equipment	11 48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 48 16 00-0006 Pulper/Extractors ^(11 48 16)		
11 48 16 00-0007 EA 5 HP, Pulper/Extractor, Close-Coupled	4,584.80	94.11

11 50 Educational And Scientific Equipment ⁽¹¹⁾

11 52 Audio-Visual Equipment ^(11 50)

11 52 13 Projection Screens ^(11 52)

11 52 13 13 Fixed Projection Screens ^(11 52 13)

11 52 13 13-0001 Screens ^(11 52 13 13)

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) ^(11 52 13 13-0001)

11 52 13 13-0003 EA 40" x 40" Pull Down Projection Screen (Da-Lite B).....	128.29	27.23
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0004 EA 50" x 50" Pull Down Projection Screen (Da-Lite B).....	152.60	35.01
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0005 EA 60" x 60" Pull Down Projection Screen (Da-Lite B).....	192.47	48.63
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0006 EA 70" x 70" Pull Down Projection Screen (Da-Lite B).....	222.63	58.35
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0007 EA 84" x 84" Pull Down Projection Screen (Da-Lite B).....	345.17	87.52
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0008 EA 96" x 96" Pull Down Projection Screen (Da-Lite B).....	407.42	97.24
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0009 EA 64" x 84" Pull Down Projection Screen (Da-Lite B).....	294.60	62.23
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0010 EA 72" x 96" Pull Down Projection Screen (Da-Lite B).....	336.42	77.79
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0011 EA 43" x 57" Pull Down Projection Screen (Da-Lite B).....	182.75	33.06
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0012 EA 50" x 67" Pull Down Projection Screen (Da-Lite B).....	252.79	46.68
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0013 EA 55" x 77" Pull Down Projection Screen (Da-Lite B).....	275.16	52.51
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0014 EA 60" x 80" Pull Down Projection Screen (Da-Lite B).....	293.63	56.40
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0015 EA 69" x 92" Pull Down Projection Screen (Da-Lite B).....	338.37	68.07
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0016 EA 45" x 80" Pull Down Projection Screen (Da-Lite B).....	278.07	48.63
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0017 EA 52" x 92" Pull Down Projection Screen (Da-Lite B).....	315.03	56.40
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	

11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) ^(11 52 13 13-0001)

11 52 13 13-0019 EA 50" x 50" Pull Down Projection Screen (Da-Lite C).....	302.40	35.01
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	

11 Equipment
11 50 Educational And Scientific Equipment
11 52 Audio-Visual Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0020	EA		60" x 60" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	352.97 40.00 40.00 120.00	48.63
11 52 13 13-0021	EA		70" x 70" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	409.38 40.00 40.00 120.00	66.12
11 52 13 13-0022	EA		84" x 84" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	473.57 40.00 40.00 120.00	87.52
11 52 13 13-0023	EA		6' x 8' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	520.26 40.00 40.00 120.00	89.46
11 52 13 13-0024	EA		8' x 8' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	557.22 40.00 40.00 120.00	97.24
11 52 13 13-0025	EA		7' x 9' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	567.92 40.00 40.00 120.00	97.24
11 52 13 13-0026	EA		9' x 9' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	611.69 40.00 40.00 120.00	103.08
11 52 13 13-0027	EA		8' x 10' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	655.46 40.00 40.00 120.00	108.91
11 52 13 13-0028	EA		10' x 10' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	703.11 40.00 40.00 120.00	116.70
11 52 13 13-0029	EA		9' x 12' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	788.71 40.00 40.00 120.00	116.70
11 52 13 13-0030	EA		12' x 12' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	909.31 40.00 40.00 120.00	155.59
11 52 13 13-0031			Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) <small>(11 52 13 13-0001)</small> Note: With controlled screen return.		
11 52 13 13-0032	EA		60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	566.97 40.00 40.00 120.00	48.63
11 52 13 13-0033	EA		70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	634.08 40.00 40.00 120.00	66.12
11 52 13 13-0034	EA		84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	698.27 40.00 40.00 120.00	87.52
11 52 13 13-0035	EA		6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	734.26 40.00 40.00 120.00	89.46
11 52 13 13-0036	EA		8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	781.92 40.00 40.00 120.00	97.24
11 52 13 13-0037	EA		7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	792.62 40.00 40.00 120.00	97.24
11 52 13 13-0038	EA		9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	836.39 40.00 40.00 120.00	103.08
11 52 13 13-0039	EA		8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	854.87 40.00 40.00 120.00	106.96
11 52 13 13-0040	EA		10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	959.91 40.00 40.00 120.00	116.70
11 52 13 13-0041	EA		9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,056.21 40.00 40.00 120.00	116.70



Equipment	11
Educational And Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0042 EA 12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,198.21 40.00 40.00 120.00	155.59
11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) (11 52 13 13-0001) Note: Heavy-duty screen for exposed installation.		
11 52 13 13-0044 EA 50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,317.54	43.76
11 52 13 13-0045 EA 60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,341.93	48.63
11 52 13 13-0046 EA 70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,389.28	58.35
11 52 13 13-0047 EA 84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,573.85	87.52
11 52 13 13-0048 EA 6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,612.97	89.46
11 52 13 13-0049 EA 8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,709.26	97.24
11 52 13 13-0050 EA 7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,745.95	97.24
11 52 13 13-0051 EA 9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,830.02	104.05
11 52 13 13-0052 EA 8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,938.09	108.91
11 52 13 13-0053 EA 10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,002.08	116.70
11 52 13 13-0054 EA 9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,068.13	116.70
11 52 13 13-0055 EA 12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,260.42	155.59
11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) (11 52 13 13-0001) Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0057 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	2,051.31	116.70
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0058 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	2,214.71	155.59
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0059 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	2,745.81	175.04
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0060 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	2,891.70	194.49
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0061 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	3,076.50	233.38
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0062 EA 13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	3,436.40	252.83
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0063 EA 18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	3,764.20	272.29
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0064 EA 15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	3,978.20	272.29
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0065 EA 20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,280.70	311.18
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0066 EA 11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	3,971.40	252.83
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0067 EA 16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,195.10	311.18
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0068 EA 22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,379.89	350.08
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0069 EA 12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,224.30	272.29
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0070 EA 18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	5,449.89	350.08
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) (11 52 13 13-0001) Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	1,905.45	43.76
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0073 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	1,947.27	48.63
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0074 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	1,988.13	58.35
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0075 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,121.37	87.52
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0076 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	2,146.66	89.46
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0077 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	2,226.42	97.24
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0078 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	2,290.62	97.24
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0079 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	2,336.33	104.05
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0080 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	2,399.56	108.91
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0081 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	2,457.91	116.70
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0082 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	2,479.31	116.70
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0083 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	2,664.11	155.59
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0084 EA 10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	2,854.76	165.31
Note: In-the-ceiling screen with automatically operated door to conceal screen.		

11 Equipment
11 50 Educational And Scientific Equipment
11 52 Audio-Visual Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0085	EA		14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,981.21	175.04
11 52 13 13-0086	EA		12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,255.50	194.49
11 52 13 13-0087	EA		16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,386.80	233.38
11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) <small>(11 52 13 13-0001)</small>					
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0089	EA		50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,580.17	43.76
11 52 13 13-0090	EA		60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,614.59	53.48
11 52 13 13-0091	EA		70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,633.96	58.35
11 52 13 13-0092	EA		84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,723.33	87.52
11 52 13 13-0093	EA		6' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,736.85	89.46
11 52 13 13-0094	EA		8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,793.07	97.24
11 52 13 13-0095	EA		7' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,849.78	97.24
11 52 13 13-0096	EA		9' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,939.36	104.05
11 52 13 13-0097	EA		8' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,964.07	108.91
11 52 13 13-0098	EA		10' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,025.63	116.70
11 52 13 13-0099	EA		9' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,021.74	136.14
11 52 13 13-0100	EA		12' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,210.43	155.59
11 52 13 13-0101	EA		10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,762.74	165.31
11 52 13 13-0102	EA		14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,883.84	175.04
11 52 13 13-0103	EA		12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,120.68	194.49
11 52 13 13-0104	EA		16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,243.42	233.38
11 52 13 13-0105	EA		13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,533.77	252.83
11 52 13 13-0106	EA		18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,751.35	272.29
11 52 13 13-0107	EA		15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,907.57	272.29
11 52 13 13-0108	EA		20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,319.22	311.18
11 52 13 13-0109	EA		50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,633.96	58.35
11 52 13 13-0110	EA		60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,703.88	77.79
11 52 13 13-0111	EA		69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,732.96	87.52
11 52 13 13-0112	EA		87" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,974.77	108.91
11 52 13 13-0113	EA		105" x 140" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,110.55	136.14
11 52 13 13-0114	EA		123" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,615.27	175.04
11 52 13 13-0115	EA		141" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,774.39	213.94
11 52 13 13-0116	EA		12' x 24' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,892.35	291.73
11 52 13 13-0117	EA		45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,709.23	77.79
11 52 13 13-0118	EA		52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,749.01	87.52
11 52 13 13-0119	EA		54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,791.71	93.36
11 52 13 13-0120	EA		58" x 104" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,816.90	101.13
11 52 13 13-0121	EA		65" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	1,923.41	108.91
11 52 13 13-0122	EA		78" x 139" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,069.89	136.14
11 52 13 13-0123	EA		92" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,586.38	175.04
11 52 13 13-0124	EA		106" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,987.32	213.94
11 52 13 13-0125	EA		119" x 212" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,626.86	252.83



Equipment	11
Educational And Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 13 13-0126	Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) <small>(11 52 13 13-0001)</small>		
	Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127	EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,645.90	43.76
11 52 13 13-0128	EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,690.84	48.63
11 52 13 13-0129	EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,736.72	58.35
11 52 13 13-0130	EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,886.07	87.52
11 52 13 13-0131	EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,919.31	89.46
11 52 13 13-0132	EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,997.99	97.24
11 52 13 13-0133	EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,096.33	97.24
11 52 13 13-0134	EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,173.06	104.05
11 52 13 13-0135	EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,229.76	108.91
11 52 13 13-0136	EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,320.16	116.70
11 52 13 13-0137	EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,421.44	116.70
11 52 13 13-0138	EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,584.37	155.59
11 52 13 13-0139	Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) <small>(11 52 13 13-0001)</small>		
	Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140	EA 60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,880.02	97.24
11 52 13 13-0141	EA 69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,218.51	116.70
11 52 13 13-0142	EA 87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,062.81	175.04
11 52 13 13-0143	EA 105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,634.70	233.38
11 52 13 13-0144	EA 120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,461.50	272.29
11 52 13 13-0145	EA 52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,179.62	97.24
11 52 13 13-0146	EA 58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,657.21	116.70
11 52 13 13-0147	EA 65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,985.02	136.14
11 52 13 13-0148	EA 78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,518.01	175.04
11 52 13 13-0149	Electric Rear Projection Screen (Da-Lite DA-View) <small>(11 52 13 13-0001)</small>		
	Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA 60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	2,441.26	97.24
11 52 13 13-0151	EA 67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,085.16	106.96
11 52 13 13-0152	EA 72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,541.72	116.70
11 52 13 13-0153	EA 84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,496.08	126.42
11 52 13 13-0154	EA 90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,202.44	7,066.29
11 52 13 13-0155	EA 96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,990.67	155.59
11 52 13 13-0156	EA 100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	10,277.59	175.04
11 52 13 13-0157	EA 120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,938.29	194.49
11 52 13 13-0158	EA 125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,600.77	213.94
11 52 13 13-0159	EA 135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	20,947.48	233.38
11 52 13 13-0160	Screen Accessories <small>(11 52 13 13-0001)</small>		
11 52 13 13-0161	Manual Pull Down Accessories <small>(11 52 13 13-0160)</small>		
11 52 13 13-0162	EA 6" Mounting Bracket (Pair)	25.09	2.92
11 52 13 13-0163	EA 14" Wall Mounting Bracket (Pair)	35.79	3.11
11 52 13 13-0164	EA 14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	42.21	3.50

11	Equipment
11 50	Educational And Scientific Equipment
11 52	Audio-Visual Equipment



MINOR	
CSI UOM DESCRIPTION	

TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 13 13-0165	Electric Powered Screen Accessories <small>(11 52 13 13-0160)</small>		
11 52 13 13-0166	EA Single Motor Low Voltage Remote Control System - Infrared.....	265.44	
11 52 13 13-0167	EA Single Motor Low Voltage Remote Control System - Radio Frequency.....	383.14	
11 52 16	Projectors <small>(11 52)</small>		
11 52 16 26	Video Projectors <small>(11 52 16)</small>		
11 52 16 26-0001	Projectors <small>(11 52 16 26)</small>		
11 52 16 26-0002	EA 2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	719.02	19.45
11 52 16 26-0003	EA 2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector.....	838.04	19.45
11 52 16 26-0004	EA 2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	1,118.59	19.45
11 52 16 26-0005	EA 3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	1,781.71	19.45
11 52 16 26-0006	EA 3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	2,079.26	19.45
11 52 16 26-0007	EA 3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector.....	2,648.86	19.45
11 52 16 26-0008	EA 4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	4,230.14	19.45
11 52 16 26-0009	EA 5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	5,743.41	19.45
11 52 16 26-0010	EA 6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	8,540.40	19.45
11 52 16 26-0011	Projector Mounts <small>(11 52 16 26)</small>		
11 52 16 26-0012	Universal Projector Mounts <small>(11 52 16 26-0011)</small>		
	Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA Flush Ceiling, Universal Projector Mount (Peerless PPF).....	130.91	21.38
11 52 16 26-0014	EA Wall Arm, Universal Projector Mount (Peerless PWA-14).....	236.45	21.38
11 52 16 26-0015	Projector Mount Components <small>(11 52 16 26-0011)</small>		
	Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016	Ceiling Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0017	EA Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	44.53	9.71
11 52 16 26-0018	EA Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	66.19	9.71
11 52 16 26-0019	EA I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	98.25	9.71
11 52 16 26-0020	EA Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	119.39	9.71
11 52 16 26-0021	Projector Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0022	EA Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV).....	193.09	9.71
11 52 16 26-0023	EA High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	445.60	9.71
11 52 16 26-0024	Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0025	Fixed Length, Threaded Extension Column For Projector Mounts <small>(11 52 16 26-0024)</small>		
	Note: Peerless EXT series.		
11 52 16 26-0026	EA 6" Fixed Length, Threaded Extension Column For Projector Mounts.....	31.21	2.92
11 52 16 26-0027	EA 12" Fixed Length, Threaded Extension Column For Projector Mounts.....	41.90	2.92
11 52 16 26-0028	EA 18" Fixed Length, Threaded Extension Column For Projector Mounts.....	45.91	2.92
11 52 16 26-0029	EA 24" Fixed Length, Threaded Extension Column For Projector Mounts.....	48.58	2.92
11 52 16 26-0030	EA 36" Fixed Length, Threaded Extension Column For Projector Mounts.....	57.20	3.89
11 52 16 26-0031	EA 48" Fixed Length, Threaded Extension Column For Projector Mounts.....	70.56	3.89
11 52 16 26-0032	EA 60" Fixed Length, Threaded Extension Column For Projector Mounts.....	91.93	3.89
11 52 16 26-0033	EA 72" Fixed Length, Threaded Extension Column For Projector Mounts.....	106.63	3.89
11 52 16 26-0034	EA 84" Fixed Length, Threaded Extension Column For Projector Mounts.....	124.60	4.86
11 52 16 26-0035	EA 96" Fixed Length, Threaded Extension Column For Projector Mounts.....	143.31	4.86
11 52 16 26-0036	EA 108" Fixed Length, Threaded Extension Column For Projector Mounts.....	158.61	5.83
11 52 16 26-0037	EA 120" Fixed Length, Threaded Extension Column For Projector Mounts.....	166.63	5.83
11 52 16 26-0038	Adjustable Length, Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0024)</small>		
	Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA 6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts.....	65.82	4.86
11 52 16 26-0040	EA 12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts.....	105.90	4.86
11 52 16 26-0041	EA 18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts.....	108.57	4.86
11 52 16 26-0042	EA 24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts.....	112.58	4.86
11 52 16 26-0043	EA 36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts.....	121.21	5.83
11 52 16 26-0044	EA 48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts.....	127.89	5.83
11 52 16 26-0045	EA 60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts.....	142.58	5.83
11 52 16 26-0046	EA 72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts.....	155.94	5.83
11 52 16 26-0047	EA 84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts.....	172.59	6.80
11 52 16 26-0048	EA 96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts.....	185.95	6.80
11 52 16 26-0049	EA 108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts.....	202.58	7.77
11 52 16 26-0050	EA 120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	211.93	7.77

11 60 Entertainment and Recreation Equipment (11)**11 66 Athletic Equipment (11 60)****11 66 13 Exercise Equipment (11 66)**



Equipment	11	
Entertainment and Recreation Equipment	11 60	11
Athletic Equipment	11 66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 13 00-0001			Fitness Systems <small>(11 66 13)</small>		
11 66 13 00-0002			Components For Physical Fitness Activities <small>(11 66 13 00-0001)</small>		
11 66 13 00-0003	EA		Sit And Reach.....	716.64	32.96
11 66 13 00-0004	EA		Isometric Squat.....	265.87	13.18
11 66 13 00-0005	EA		Log Jump.....	1,772.93	52.74
11 66 13 00-0006	EA		Step Up.....	378.10	26.37
11 66 13 00-0007	EA		Hip Rotation.....	1,963.09	46.15
11 66 13 00-0008	EA		Body Curl.....	712.49	26.37
11 66 13 00-0009	EA		Horizontal Ladder.....	2,378.45	52.74
11 66 13 00-0010	EA		Chin Up.....	1,781.97	52.74
11 66 13 00-0011	EA		Push Up.....	1,096.59	26.37
11 66 13 00-0012	EA		Leg Raise.....	1,529.65	39.56
11 66 13 00-0013	EA		Log Hop.....	699.68	13.18
11 66 13 00-0014	EA		Parallel Bar.....	1,468.65	39.56
11 66 13 00-0015	EA		Leg Stretch.....	604.04	26.37
11 66 13 00-0016	EA		Balance Beam.....	547.93	19.78
11 66 13 00-0017	EA		Log Roll.....	1,774.05	32.96
11 66 13 00-0018			Wall Mounted Equipment <small>(11 66 13)</small>		
11 66 13 00-0019	SET		Parallel Bars, Wall Mounted.....	2,234.76	198.13
11 66 13 00-0020	EA		Exercise Ladder, Wall Mounted.....	1,846.77	4.12
11 66 23			Gymnasium Equipment <small>(11 66)</small>		
11 66 23 13			Basketball Equipment <small>(11 66 23)</small>		
11 66 23 13-0001			Basketball Equipment <small>(11 66 23 13)</small>		
11 66 23 13-0002	EA		4' To 6' Extension, Wall Mounted, Stationary Basketball Backstop System With 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 312F46).....	2,618.38	297.19
			Note: Includes rim and net.		
			For Glass Backstop, Add	500.00	
			For Fiberglass Backstop, Add	200.00	
11 66 23 13-0003	EA		6' Ceiling Mounted Basketball Backstop Wood, Fixed Type, With Support Structure.....	3,413.42	297.19
			Note: Includes rim and net.		
			For Glass Backstop, Add	500.00	
			For Fiberglass Backstop, Add	200.00	
11 66 23 13-0004	EA		Ceiling Mounted Basketball Backstop Wood, Swing-up Type (Either Forward Or Backward), With Support Structure.....	4,144.88	396.25
			Note: Includes rim and net.		
			For Glass Backstop, Add	500.00	
			For Electrically Operated, Add	1,245.32	
			For Fiberglass Backstop, Add	200.00	
11 66 23 13-0005	EA		72" x 42" x 1/2", Center-Strut® Rectangular Glass Backboard (Porter Athletic 00208-00).....	1,082.56	71.74
			Note: For indoor use. Includes fully tempered glass.		
11 66 23 13-0006	EA		48" Recreational Backboard Pad (Porter Athletic 00324-648).....	198.29	8.26
11 66 23 13-0007	EA		54" Recreational Backboard Pad (Porter Athletic 00324-654).....	226.00	9.90
11 66 23 13-0008	EA		72" Recreational Backboard Pad (Porter Athletic 00324-672).....	253.69	11.56
11 66 23 13-0009	EA		Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120).....	18.64	3.30
11 66 23 53			Wall Padding <small>(11 66 23)</small>		
11 66 23 53-0001	SF		1-1/4" Thick Removable Gymnasium Wall Padding, Non Fire Rated.....	4.44	0.55
			For Class A Fire Rated Material, Add	0.50	
			For Furring Strip Installation (Vinyl Wrapped At Ends), Add	2.32	
11 66 23 53-0002	SF		1-1/2" Thick Removable Gymnasium Wall Padding, Non Fire Rated.....	4.92	0.62
			For Class A Fire Rated Material, Add	0.56	
			For Furring Strip Installation (Vinyl Wrapped At Ends), Add	2.32	
11 66 23 53-0003	SF		2" Thick Removable Gymnasium Wall Padding, Non Fire Rated.....	6.67	0.78
			For Class A Fire Rated Material, Add	0.79	
			For Furring Strip Installation (Vinyl Wrapped At Ends), Add	2.32	
11 66 23 53-0004	SF		1-1/2" Thick Fixed, Non Fire Rated, Gymnasium Wall Padding.....	5.60	0.59
			Note: Includes cutouts and wall trim.		
			For Class A Fire Rated Material, Add	7.90	
			For Furring Strip Installation (Vinyl Wrapped At Ends), Add	2.32	
11 66 23 53-0005	SF		2" Thick Fixed, Non Fire Rated, Gymnasium Wall Padding.....	7.60	0.64
			For Class A Fire Rated Material, Add	7.71	
			For ASTM F2440 Impact Protection, Add	11.18	
			For Furring Strip Installation (Vinyl Wrapped At Ends), Add	2.32	
11 66 23 53-0006	SF		3" Thick Fixed, Non Fire Rated, Gymnasium Wall Padding.....	11.54	0.71
			For Class A Fire Rated Material, Add	7.33	
			For ASTM F2440 Impact Protection, Add	15.42	
			For Furring Strip Installation (Vinyl Wrapped At Ends), Add	2.32	
11 66 23 53-0007	LF		"Z" Wall/Panel Attachment Clips For Wall Pads.....	4.14	0.93
			Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.		
11 66 23 53-0008	LF		Molding Channel Wall Attachment For Wall Pads.....	7.01	0.93
			Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.		
11 66 23 53-0009	LF		Floor Molding Channel Wall Attachment For Wall Pads.....	7.40	0.93
			Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.		
11 66 23 53-0010	EA		Single Or Double Gang Molded Inserts For Electrical Outlets.....	27.31	

11 Equipment**11 60 Entertainment and Recreation Equipment****11 66 Athletic Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**11 66 43 Interior Scoreboards (11 66)****11 66 43 00-0001 Scoreboards And Shot Clocks (11 66 43)**

11 66 43 00-0002	EA	8' x 3' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2700)	2,869.13	153.53
		Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.		
		For Scoreboard Only, No Controls, Deduct	-321.00	
		For Control Carrying Case, Add	59.00	
		For Wireless Controls, Add	506.30	
11 66 43 00-0003	EA	8' x 6' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2750)	4,171.79	255.87
		Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.		
		For Scoreboard Only, No Controls, Deduct	-321.00	
		For Control Carrying Case, Add	59.00	
		For Wireless Controls, Add	506.30	
11 66 43 00-0004	EA	12' x 8' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2760)	6,591.96	307.06
		Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.		
		For Scoreboard Only, No Controls, Deduct	-321.00	
		For Control Carrying Case, Add	59.00	
		For Wireless Controls, Add	506.30	
11 66 43 00-0005	EA	9' Long x 5' High x 4" Deep Indoor Multi-Sport Scoreboard	4,937.04	255.87
11 66 43 00-0006	EA	1.66' Long x 1.41' High x 6.5" Deep Shot Clock Set	2,055.80	102.36
		Note: Set includes two shot clocks.		

11 66 53 Gymnasium Dividers (11 66)**11 66 53 00-0001 Gymnasium Dividers (11 66 53)**

11 66 53 00-0002	SF	Gym Divider, Manual Mesh Top And Vinyl Bottom	4.39	0.39
11 66 53 00-0003	SF	Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom	8.33	0.39

11 68 Play Field Equipment And Structures (11 60)**11 68 13 Playground Equipment (11 68)**

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001 Standalone Playground Equipment (11 68 13)**11 68 13 00-0002 Ground Socket For Movable Posts (11 68 13 00-0001)**

11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment.....	116.03	17.80
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment.....	199.03	17.80

11 68 13 00-0005 See-Saws (11 68 13 00-0001)**11 68 13 00-0006 Steel See-Saw (11 68 13 00-0005)**

11 68 13 00-0007	EA	2 Unit Steel See-Saw	1,066.09	109.51
11 68 13 00-0008	EA	4 Unit Steel See-Saw	1,831.87	129.42
11 68 13 00-0009	EA	6 Unit Steel See-Saw	2,586.59	158.18

11 68 13 00-0010 14' Long Laminated Beam (11 68 13 00-0005)

11 68 13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	1,233.18	96.84
11 68 13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts.....	823.78	86.26

11 68 13 00-0013 Slides (11 68 13 00-0001)

11 68 13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed	1,331.04	125.23
11 68 13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed	1,848.11	177.96
11 68 13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed	2,045.37	197.73
11 68 13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed	2,637.38	219.03
11 68 13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide	4,059.07	344.55
11 68 13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed	9,182.02	355.44
11 68 13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed	11,687.47	373.57

11 68 13 00-0021 Whirlers (11 68 13 00-0001)

11 68 13 00-0022	EA	8' Diameter Whirler	2,995.68	237.27
11 68 13 00-0023	EA	10' Diameter Whirler	3,458.79	284.72

11 68 13 00-0024 Other Standalone Playground Equipment (11 68 13 00-0001)**11 68 13 00-0025 Miscellaneous Standalone Playground Equipment (11 68 13 00-0024)**

11 68 13 00-0026	EA	Horizontal Ladder.....	1,001.50	63.42
11 68 13 00-0027	EA	Tether Ball Post	163.14	12.39
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post	242.44	21.91
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable.....	2,499.94	61.90
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar.....	301.82	33.10
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars.....	416.50	39.56
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars.....	562.59	52.74
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars.....	830.69	72.52
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole.....	949.68	30.19
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole.....	1,046.69	32.60
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices	1,018.85	34.94
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices	616.03	30.06
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices.....	758.30	39.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0039 EA Coil Spring Assembly Only	249.49	14.48
11 68 13 00-0040 EA "C" Spring Assembly Only	165.73	9.65
11 68 13 00-0041 EA Rubber Spring Assembly Only.....	155.55	18.83
11 68 13 00-0042 EA Footbuck Assembly Only.....	43.03	2.53
11 68 13 00-0043 EA Replacement Animal Only	657.42	20.52
11 68 13 00-0044 EA Two Seat, Two Spring Action Cars (4'-8" x 2'-8").....	1,164.19	36.21
11 68 13 00-0045 Freestanding Panels <small>(11 68 13 00-0024)</small>		
Note: Rotomolded polyethylene.		
11 68 13 00-0046 EA Tic-Tac-Toe Panel	495.57	15.51
11 68 13 00-0047 EA 24" Bubble Panel	742.38	23.23
11 68 13 00-0048 EA Fire Engine Panel	1,089.48	34.10
11 68 13 00-0049 EA Flat Mirror Panel	871.58	27.29
11 68 13 00-0050 EA Wavy Mirror Panel	1,290.02	40.39
11 68 13 00-0051 EA Paint Time Panel	836.87	26.21
11 68 13 00-0052 EA Phone Time Panel	593.91	18.60
11 68 13 00-0053 EA Phone Time With Graphic Panel.....	593.91	18.60
11 68 13 00-0054 EA Race Time Panel	1,041.27	32.60
11 68 13 00-0055 EA Rescue 911 Panel	1,057.53	32.60
11 68 13 00-0056 EA Eastern/Central/Western States Panel	568.84	17.80
11 68 13 00-0057 EA Career People Panel	645.97	20.22
11 68 13 00-0058 EA Solar System Panel	645.97	20.22
11 68 13 00-0059 EA Animals Panel.....	645.97	20.22
11 68 13 00-0060 Freestanding Panels Uprights <small>(11 68 13 00-0024)</small>		
11 68 13 00-0061 EA 3-1/2" Outside Diameter End Panel Upright	147.52	8.70
11 68 13 00-0062 EA 3-1/2" Outside Diameter 90 Degree Upright	159.82	9.42
11 68 13 00-0063 EA 3-1/2" Outside Diameter 180 Degree Upright	159.82	9.42
11 68 13 00-0064 EA 3-1/2" Outside Diameter "T-Shaped" Upright.....	170.07	10.02
11 68 13 00-0065 Coasters <small>(11 68 13 00-0024)</small>		
11 68 13 00-0066 EA 12' Single Metal Coaster With Four Posts	3,856.94	105.48
11 68 13 00-0067 EA 18' Single Metal Coaster With Four Posts	4,290.61	131.85
11 68 13 00-0068 EA 12' Double Metal Coaster With Four Posts	6,258.88	158.22
11 68 13 00-0069 EA 18' Double Metal Coaster With Four Posts	7,089.03	197.78
11 68 13 00-0070 Climbers <small>(11 68 13 00-0024)</small>		
11 68 13 00-0071 EA Tower Climber, 3.17' Diameter x 7.25' High.....	624.81	70.46
11 68 13 00-0072 EA Arch Climber, 2' x 12' x 4.5' High	559.19	86.29
11 68 13 00-0073 EA Arch Climber, 2' x 15' x 5.83' High	617.19	70.46
11 68 13 00-0074 EA Arch Climber, 2' x 17' x 6.58' High	672.12	86.29
11 68 13 00-0075 EA Rainbow Climber, 2' x 10'-5" x 4' High	728.26	70.38
11 68 13 00-0076 EA Rainbow Climber, 2' x 10'-5" x 5' High	829.93	70.41
11 68 13 00-0077 EA Rainbow Climber, 2' x 12'-5" x 6' High	985.76	70.41
11 68 13 00-0078 EA Rainbow Climber, 2' x 15'-4" x 7' High	1,087.60	70.38
11 68 13 00-0079 EA Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	1,316.28	82.41
11 68 13 00-0080 EA 12' Long Horizontal Ladder Climber.....	1,080.78	61.50
11 68 13 00-0081 EA 14' Long Horizontal Ladder Climber.....	1,097.92	61.50
11 68 13 00-0082 EA 16' Long Horizontal Ladder Climber.....	1,211.38	61.50
11 68 13 00-0083 EA Bell Climber, 7'-5" High With Double Bars	1,105.07	79.11
11 68 13 00-0084 EA 2-Way Climber	920.68	63.42
11 68 13 00-0085 EA 4-Way Climber	1,536.62	63.42
11 68 13 00-0086 Swings <small>(11 68 13 00-0001)</small>		
11 68 13 00-0087 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0086)</small>		
Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0088 EA 8' High Top Rail, One Section Two Seats.....	821.06	96.84
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	98.02	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	120.62	
11 68 13 00-0089 EA 8' High Top Rail, Two Sections Four Seats	1,325.51	138.57
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	158.77	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	197.36	
11 68 13 00-0090 EA 8' High Top Rail, Three Sections, Six Seats	1,829.44	203.90
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	218.97	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	271.59	
11 68 13 00-0091 EA 8' High Top Rail, Four Sections, Eight Seats	2,303.08	237.27
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	276.02	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	343.71	
11 68 13 00-0092 EA 10' High Top Rail, One Section Two Seats.....	886.70	96.84
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	106.22	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	132.11	
11 68 13 00-0093 EA 10' High Top Rail, Two Section Four Seats	1,373.24	147.58
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	164.07	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	202.41	
11 68 13 00-0094 EA 10' High Top Rail, Three Sections, Six Seats	1,880.70	229.18
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	224.17	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	274.54	
11 68 13 00-0095 EA 10' High Top Rail, Four Sections, Eight Seats	2,512.88	276.82
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	300.26	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	370.52	

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment And Structures



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 68 13 00-0096	Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0096)</small>		
	Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0097	EA 8' High Top Rail, One Section, Two Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	975.42 117.65 149.31	85.52
11 68 13 00-0098	EA 8' High Top Rail, Two Sections, Four Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,415.84 170.78 216.75	124.09
11 68 13 00-0099	EA 8' High Top Rail, Three Sections, Six Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,888.19 227.73 288.94	165.96
11 68 13 00-0100	EA 8' High Top Rail, Four Sections, Eight Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,376.31 287.15 366.42	197.73
11 68 13 00-0101	EA 10' High Top Rail, One Section, Two Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,100.13 132.70 168.43	96.39
11 68 13 00-0102	EA 10' High Top Rail, One Section Three Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,154.87 139.49 177.76	102.21
11 68 13 00-0103	EA 10' High Top Rail, Two Sections, Four Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,535.15 185.15 234.92	134.93
11 68 13 00-0104	EA 10' High Top Rail, Two Sections, Six Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,871.70 226.55 290.50	155.55
11 68 13 00-0105	EA 10' High Top Rail, Three Section, Six Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,043.66 246.48 312.76	179.51
11 68 13 00-0106	EA 10' High Top Rail, Three Sections, Nine Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,590.51 313.93 403.90	197.80
11 68 13 00-0107	EA 10' High Top Rail, Four Section, Eight Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,575.17 310.03 391.32	237.27
11 68 13 00-0108	EA 12' High Top Rail, One Section Three Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,211.55 146.46 187.08	104.69
11 68 13 00-0109	EA 12' High Top Rail, Two Sections, Six Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,974.06 238.73 305.34	168.44
11 68 13 00-0110	EA 12' High Top Rail, Three Sections, Nine Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,822.99 339.69 428.11	269.78
11 68 13 00-0111	Swing Accessories <small>(11 68 13 00-0086)</small>		
11 68 13 00-0112	EA Enclosed Tot Seat With Chain And Hardware	315.84	7.88
11 68 13 00-0113	EA Bucket Seat With Chain And Hardware	262.57	6.56
11 68 13 00-0114	EA Belt Seat With Chain And Hardware	279.69	7.00
11 68 13 00-0115	EA Seat With Chain And Hardware	275.88	6.89
11 68 13 00-0116	EA Wide Seat With Chain And Hardware	291.22	7.28
11 68 13 00-0117	EA Handi Seat With Chain And Hardware	869.50	21.72
11 68 13 00-0118	LF 0.4 LB/LF Replacement Chain	3.49	0.15
11 68 13 00-0119	LF 1 LB/LF Replacement Chain	6.49	0.31
11 68 13 00-0120	EA Swing Hanger Replacement	37.95	1.80
11 68 13 00-0121	Playground Equipment (Landscape Structures®) <small>(11 68 13)</small>		
	Note: Excludes excavation and concrete.		
11 68 13 00-0122	Playground Equipment (Landscape Structures® PlayShaper®) <small>(11 68 13 00-0121)</small>		
	Note: Ages 2 to 5 years.		
11 68 13 00-0123	EA El Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A)	2,125.10	38.71
11 68 13 00-0124	EA SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A)	5,261.64	145.16
11 68 13 00-0125	EA Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A)	2,219.68	38.71
11 68 13 00-0126	EA Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A)	2,501.91	58.06
11 68 13 00-0127	EA Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A)	2,103.30	58.06
11 68 13 00-0128	EA Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A)	1,685.96	38.71
11 68 13 00-0129	EA Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayShaper® 132155B)	1,881.88	38.71
11 68 13 00-0130	EA Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A)	1,422.48	38.71
11 68 13 00-0131	EA 32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A)	4,024.20	116.13
11 68 13 00-0132	EA 40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B)	4,686.29	116.13
11 68 13 00-0133	EA 48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C)	5,071.38	116.13
11 68 13 00-0134	EA Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A)	1,478.03	19.35
11 68 13 00-0135	EA Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A)	1,456.26	38.71
11 68 13 00-0136	EA 32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A)	1,914.13	58.06
11 68 13 00-0137	EA 40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B)	2,150.59	58.06
11 68 13 00-0138	EA 48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C)	2,414.08	58.06
11 68 13 00-0139	EA Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A)	1,381.94	38.71
11 68 13 00-0140	EA Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A)	5,791.22	154.84
11 68 13 00-0141	EA Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A)	767.14	38.71
11 68 13 00-0142	EA Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A)	863.24	19.35
11 68 13 00-0143	EA Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A)	1,255.06	48.38
11 68 13 00-0144	EA 32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A)	1,964.04	67.74



		Equipment	11
		Entertainment and Recreation Equipment	11 60
		Play Field Equipment And Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0145 EA 40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B).....	2,322.11	67.74
11 68 13 00-0146 EA 32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A)	2,226.44	38.71
11 68 13 00-0147 EA 48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B).....	2,402.10	38.71
11 68 13 00-0148 EA 1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A)	1,044.14	38.71
11 68 13 00-0149 EA 2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B).....	1,233.31	38.71
11 68 13 00-0150 EA 16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A)	557.91	16.13
11 68 13 00-0151 EA 24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B)	1,028.00	29.03
11 68 13 00-0152 EA 32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C).....	1,485.67	74.19
11 68 13 00-0153 EA 40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D)	1,782.94	74.19
11 68 13 00-0154 EA 32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A).....	1,658.94	38.71
11 68 13 00-0155 EA 40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B).....	3,148.57	38.71
11 68 13 00-0156 EA 48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C)	2,503.44	38.71
11 68 13 00-0157 EA 32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A).....	699.42	48.38
11 68 13 00-0158 EA 40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B).....	722.47	48.38
11 68 13 00-0159 EA 48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C).....	762.56	48.38
11 68 13 00-0160 EA Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A)	860.63	9.67
11 68 13 00-0161 EA Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A)	299.88	9.67
11 68 13 00-0162 EA Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A)	2,992.09	67.74
11 68 13 00-0163 EA ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A).....	1,532.88	48.38
11 68 13 00-0164 EA Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A).....	971.38	16.13
11 68 13 00-0165 EA Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A)	1,937.44	19.35
11 68 13 00-0166 EA Phase Kit (Landscape Structures® PlayShaper® 116098A)	244.87	12.19
11 68 13 00-0167 EA Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A).....	1,491.55	19.35
11 68 13 00-0168 EA 8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A).....	541.57	29.03
11 68 13 00-0169 EA 16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A)	952.33	29.03
11 68 13 00-0170 EA Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A).....	4,074.53	77.42
11 68 13 00-0171 EA Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A).....	4,074.53	77.42
11 68 13 00-0172 EA Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A)	1,848.10	38.71
11 68 13 00-0173 EA Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A)	1,361.67	38.71
11 68 13 00-0174 EA 28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A).....	1,444.25	19.35
11 68 13 00-0175 EA 56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B).....	1,883.39	19.35
11 68 13 00-0176 EA 90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C).....	2,037.27	38.71
11 68 13 00-0177 EA C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A).....	3,324.62	77.42
11 68 13 00-0178 EA S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B).....	3,324.62	77.42
11 68 13 00-0179 EA C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A).....	3,324.62	77.42
11 68 13 00-0180 EA S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B).....	3,324.62	77.42
11 68 13 00-0181 EA Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A).....	651.19	9.67
11 68 13 00-0182 EA Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A)	1,021.46	6.45
11 68 13 00-0183 EA Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A)	1,183.60	6.45
11 68 13 00-0184 EA Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A).....	1,291.70	6.45
11 68 13 00-0185 EA Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A).....	684.97	9.67
11 68 13 00-0186 EA Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A)	548.54	6.45
11 68 13 00-0187 EA Gear Panel, Enclosure(2-Color Permalene) (Landscape Structures® PlayShaper® 117147A)	1,622.74	6.45
11 68 13 00-0188 EA Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A).....	433.69	6.45
11 68 13 00-0189 EA House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A).....	502.56	9.67
11 68 13 00-0190 EA Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A)	1,379.53	6.45
11 68 13 00-0191 EA Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A)	847.12	9.67
11 68 13 00-0192 EA Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A).....	1,160.50	19.35
11 68 13 00-0193 EA Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A).....	1,260.54	16.13
11 68 13 00-0194 EA Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A).....	1,176.63	29.03
11 68 13 00-0195 EA Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A).....	893.10	6.45
11 68 13 00-0196 EA Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A)	1,326.79	9.67
11 68 13 00-0197 EA Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A).....	901.17	9.67
11 68 13 00-0198 EA Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A)	1,133.48	19.35
11 68 13 00-0199 EA Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A).....	380.95	9.67
11 68 13 00-0200 EA Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A).....	1,213.25	16.13
11 68 13 00-0201 EA Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A).....	898.33	25.81
11 68 13 00-0202 EA Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A).....	1,149.82	6.45
11 68 13 00-0203 EA Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A).....	433.69	6.45
11 68 13 00-0204 EA Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A)	590.39	9.67
11 68 13 00-0205 EA Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A)	433.69	6.45
11 68 13 00-0206 EA Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A)	562.05	6.45
11 68 13 00-0207 EA Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A)	1,014.49	29.03
11 68 13 00-0208 EA Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A)	1,157.89	9.67
11 68 13 00-0209 EA Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A).....	874.14	9.67
11 68 13 00-0210 EA 2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A)	828.15	16.13
11 68 13 00-0211 EA 1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A).....	463.33	16.13
11 68 13 00-0212 EA 1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A).....	414.73	9.67
11 68 13 00-0213 EA Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A)	1,142.85	29.03
11 68 13 00-0214 EA Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B).....	1,338.78	29.03
11 68 13 00-0215 EA Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A).....	393.15	6.45
11 68 13 00-0216 EA Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A)	555.30	6.45
11 68 13 00-0217 EA Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A).....	105.35	6.45
11 68 13 00-0218 EA Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A)	630.93	9.67
11 68 13 00-0219 EA Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B)	834.91	16.13
11 68 13 00-0220 EA Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A)	463.33	16.13
11 68 13 00-0221 EA Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B).....	659.25	16.13
11 68 13 00-0222 EA Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A)	102.64	6.45
11 68 13 00-0223 EA Steering Wheel (Landscape Structures® PlayShaper® 111306A).....	203.98	6.45

11 Equipment

11 60 Entertainment and Recreation Equipment

11 68 Play Field Equipment And Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0224 EA Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B).....	278.30	6.45
11 68 13 00-0225 EA Handloop (Landscape Structures® PlayShaper® 119977A).....	156.69	6.45
11 68 13 00-0226 EA Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A).....	435.00	9.67
11 68 13 00-0227 EA 16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B).....	448.51	9.67
11 68 13 00-0228 EA 24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C).....	455.27	9.67
11 68 13 00-0229 EA 32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D).....	468.78	9.67
11 68 13 00-0230 EA 40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E).....	475.54	9.67
11 68 13 00-0231 EA 48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F).....	489.05	9.67
11 68 13 00-0232 EA Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A).....	285.94	58.06
Note: Order one talk tube tubing kit with two talk tubes (any height listed).		
11 68 13 00-0233 EA Arch Roof (Landscape Structures® PlayShaper® 111407A).....	647.05	19.35
11 68 13 00-0234 EA Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A).....	1,206.28	38.71
11 68 13 00-0235 EA Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A).....	1,348.16	38.71
11 68 13 00-0236 EA Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A).....	2,902.04	38.71
11 68 13 00-0237 EA Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B).....	3,388.47	38.71
11 68 13 00-0238 EA Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A).....	720.06	16.13
11 68 13 00-0239 EA Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A).....	686.28	16.13
11 68 13 00-0240 EA Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A).....	699.79	16.13
11 68 13 00-0241 EA 90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A).....	570.12	9.67
11 68 13 00-0242 EA Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A).....	1,042.61	58.06
11 68 13 00-0243 EA Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B).....	941.27	58.06
11 68 13 00-0244 EA Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C).....	853.44	58.06
11 68 13 00-0245 EA Curf For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A).....	129.67	6.45
11 68 13 00-0246 EA 8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A).....	113.45	6.45
11 68 13 00-0247 EA 16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B).....	170.20	6.45
11 68 13 00-0248 EA 8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A).....	140.48	6.45
11 68 13 00-0249 EA 16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B).....	210.74	6.45
11 68 13 00-0250 EA To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A).....	2,047.73	77.42
11 68 13 00-0251 EA To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B).....	2,365.27	77.42
11 68 13 00-0252 EA To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C).....	2,500.39	77.42
11 68 13 00-0253 EA 56"/SpyroSlide, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399A).....	1,302.38	19.35
11 68 13 00-0254 EA 48" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399B).....	1,275.35	19.35
11 68 13 00-0255 EA 40" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399C).....	1,261.84	19.35
11 68 13 00-0256 EA 32" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399D).....	1,241.57	19.35
11 68 13 00-0257 EA 24" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399E).....	1,221.31	19.35
11 68 13 00-0258 EA 16" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399F).....	1,207.79	19.35
11 68 13 00-0259 EA 8" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399G).....	1,194.28	19.35
11 68 13 00-0260 EA Ground Level, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399H).....	1,180.77	19.35
11 68 13 00-0261 EA 82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A).....	279.61	9.67
11 68 13 00-0262 EA 74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B).....	266.10	9.67
11 68 13 00-0263 EA 66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C).....	245.83	9.67
11 68 13 00-0264 EA 58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D).....	239.08	9.67
11 68 13 00-0265 EA 50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E).....	232.32	9.67
11 68 13 00-0266 EA 42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F).....	225.57	9.67
11 68 13 00-0267 EA 128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A).....	407.55	58.06
11 68 13 00-0268 EA 114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B).....	380.52	58.06
11 68 13 00-0269 EA 106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C).....	373.77	58.06
11 68 13 00-0270 EA 98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D).....	286.37	9.67
11 68 13 00-0271 EA 90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E).....	279.61	9.67
11 68 13 00-0272 EA 82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F).....	266.10	9.67
11 68 13 00-0273 EA 74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G).....	245.83	9.67
11 68 13 00-0274 EA 69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H).....	239.08	9.67
11 68 13 00-0275 EA 145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A).....	333.66	9.67
11 68 13 00-0276 EA 137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B).....	326.91	9.67
11 68 13 00-0277 EA 129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C).....	306.64	9.67
11 68 13 00-0278 EA 121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D).....	299.88	9.67
11 68 13 00-0279 EA 113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E).....	293.13	9.67
11 68 13 00-0280 EA 105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F).....	279.61	9.67
11 68 13 00-0281 EA 97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G).....	266.10	9.67
11 68 13 00-0282 EA 89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H).....	245.83	9.67
11 68 13 00-0283 EA Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A).....	1,308.13	61.15
11 68 13 00-0284 EA Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B).....	1,291.03	60.36
11 68 13 00-0285 EA Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C).....	1,051.64	49.19
11 68 13 00-0286 EA Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D).....	1,034.52	48.37
11 68 13 00-0287 EA Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A).....	213.75	10.00
11 68 13 00-0288 EA Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201B).....	205.20	9.60
11 68 13 00-0289 EA Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A).....	232.56	10.87
11 68 13 00-0290 EA Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203B).....	222.30	10.39
11 68 13 00-0291 EA The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A).....	6,356.53	96.77
11 68 13 00-0292 EA The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A).....	3,366.67	58.06

11 68 13 00-0293 Playground Equipment (Landscape Structures® Independent Pieces) (11 68 13 00-

0121)		
11 68 13 00-0294 EA 9-Blocks, Block Climber (Landscape Structures® 117966A).....	2,613.71	96.77
11 68 13 00-0295 EA 12-Blocks, Block Climber (Landscape Structures® 117966B).....	2,985.29	96.77
11 68 13 00-0296 EA 116-Blocks, Block Climber (Landscape Structures® 117966C).....	3,672.89	116.13
11 68 13 00-0297 EA Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A).....	2,777.38	77.42
11 68 13 00-0298 EA 6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A).....	4,691.77	129.03
11 68 13 00-0299 EA 4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A).....	3,170.75	58.06



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists items like Star Seeker Climber, Funnel Climber, Track Ride, etc.



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment And Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0463 EA 4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A)	3,527.30	77.42
11 68 13 00-0464 EA TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A)	122.91	4.84
11 68 13 00-0465 EA TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B)	122.91	4.84
11 68 13 00-0466 EA TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C)	122.91	4.84
11 68 13 00-0467 EA TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D)	122.91	4.84
11 68 13 00-0468 EA TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E)	122.91	4.84
11 68 13 00-0469 EA TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F)	122.91	4.84
11 68 13 00-0470 EA Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A)	129.67	4.84
11 68 13 00-0471 EA 1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A)	1,827.84	38.71
11 68 13 00-0472 EA 1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B)	1,884.59	38.71
11 68 13 00-0473 EA TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A)	67.56	
11 68 13 00-0474 EA 1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A)	1,969.71	38.71
11 68 13 00-0475 EA 1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B)	2,026.46	38.71
11 68 13 00-0476 EA Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A)	2,366.79	58.06
11 68 13 00-0477 EA The Pinnacle Natural Climber (Landscape Structures® 156065A)	19,770.04	232.26
11 68 13 00-0478 EA The Pointe Natural Climber (Landscape Structures® 156067A)	11,114.95	154.84
11 68 13 00-0479 EA Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A)	11,114.95	154.84
11 68 13 00-0480 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A)	1,476.52	38.71
11 68 13 00-0481 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B)	1,590.02	38.71
11 68 13 00-0482 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C)	1,652.18	38.71
11 68 13 00-0483 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D)	1,765.68	38.71
11 68 13 00-0484 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A)	856.48	19.35
11 68 13 00-0485 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B)	969.98	19.35
11 68 13 00-0486 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C)	917.29	19.35
11 68 13 00-0487 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D)	1,030.79	19.35
11 68 13 00-0488 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A)	1,544.08	38.71
11 68 13 00-0489 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B)	1,717.04	38.71
11 68 13 00-0490 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C)	1,719.74	38.71
11 68 13 00-0491 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D)	1,892.69	38.71
11 68 13 00-0492 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A)	910.53	19.35
11 68 13 00-0493 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B)	1,115.75	38.71
11 68 13 00-0494 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C)	971.33	19.35
11 68 13 00-0495 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D)	1,176.56	38.71
11 68 13 00-0496 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A)	1,611.64	38.71
11 68 13 00-0497 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B)	1,725.14	38.71
11 68 13 00-0498 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C)	1,787.30	38.71
11 68 13 00-0499 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D)	1,900.80	38.71
11 68 13 00-0500 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A)	984.85	19.35
11 68 13 00-0501 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B)	1,130.62	38.71
11 68 13 00-0502 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C)	1,045.65	19.35
11 68 13 00-0503 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D)	1,191.42	38.71
11 68 13 00-0504 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A)	1,679.20	38.71
11 68 13 00-0505 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B)	1,852.16	38.71
11 68 13 00-0506 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C)	1,854.86	38.71
11 68 13 00-0507 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D)	2,027.81	38.71
11 68 13 00-0508 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A)	1,045.65	19.35
11 68 13 00-0509 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B)	1,250.87	38.71
11 68 13 00-0510 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C)	1,138.72	38.71
11 68 13 00-0511 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D)	1,311.68	38.71
11 68 13 00-0512 EA Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A)	1,476.52	38.71
11 68 13 00-0513 EA Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B)	1,652.18	38.71
11 68 13 00-0514 EA T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A)	1,233.31	38.71
11 68 13 00-0515 EA T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B)	1,415.72	38.71



MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0516	EA	Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A)	1,246.82	38.71
11 68 13 00-0517	EA	Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B)	1,429.23	38.71
11 68 13 00-0518	EA	Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A)	1,233.31	38.71
11 68 13 00-0519	EA	Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B)	1,415.72	38.71
11 68 13 00-0520	EA	Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A)	1,476.52	38.71
11 68 13 00-0521	EA	Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B)	1,652.18	38.71
11 68 13 00-0522	EA	Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A)	1,348.16	38.71
11 68 13 00-0523	EA	Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B)	1,510.30	38.71
11 68 13 00-0524	EA	Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A)	1,429.23	38.71
11 68 13 00-0525	EA	Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B)	1,604.89	38.71
11 68 13 00-0526	EA	Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A)	1,368.43	38.71
11 68 13 00-0527	EA	Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B)	1,537.33	38.71
11 68 13 00-0528	EA	Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A)	1,422.48	38.71
11 68 13 00-0529	EA	Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A)	2,003.49	38.71
11 68 13 00-0530	EA	8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A)	984.85	19.35
11 68 13 00-0531	EA	16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B)	991.60	19.35
11 68 13 00-0532	EA	24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C)	998.36	19.35
11 68 13 00-0533	EA	Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A)	1,787.30	38.71
11 68 13 00-0534	EA	Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B)	3,096.43	58.06
11 68 13 00-0535	EA	Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C)	4,702.84	77.42
11 68 13 00-0536	EA	Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D)	5,863.34	96.77
11 68 13 00-0537	EA	10", Pod Climber, One Pod Only (Landscape Structures® 158997A)	279.61	9.67
11 68 13 00-0538	EA	20", Pod Climber, One Pod Only (Landscape Structures® 158998A)	293.13	9.67
11 68 13 00-0539	EA	CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A)	10,304.23	154.84
11 68 13 00-0540	EA	CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A)	5,459.51	77.42
11 68 13 00-0541	EA	CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B)	5,593.10	96.77
11 68 13 00-0542	EA	CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C)	5,687.69	96.77
11 68 13 00-0543	EA	CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A)	6,971.33	96.77
11 68 13 00-0544	EA	CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B)	7,065.91	96.77
11 68 13 00-0545	EA	CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C)	7,174.01	96.77
11 68 13 00-0546	EA	CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A)	8,875.01	116.13
11 68 13 00-0547	EA	CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B)	8,983.11	116.13
11 68 13 00-0548	EA	CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C)	9,084.45	116.13
11 68 13 00-0549	EA	Stationary Cyclus, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A)	1,625.16	38.71
11 68 13 00-0550	EA	Stationary Cyclus, Handles Only, With Aluminum Posts (Landscape Structures® 160055B)	1,388.70	38.71
11 68 13 00-0551	EA	Stationary Cyclus, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C)	2,050.78	38.71
11 68 13 00-0552	EA	Stationary Cyclus, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D)	1,388.70	38.71
11 68 13 00-0553	EA	Stationary Cyclus, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E)	1,584.62	38.71
11 68 13 00-0554	EA	Stationary Cyclus, Handles Only, With Steel Posts (Landscape Structures® 160055F)	1,348.16	38.71
11 68 13 00-0555	EA	Stationary Cyclus, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G)	2,010.25	38.71
11 68 13 00-0556	EA	Stationary Cyclus, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H)	1,348.16	38.71
11 68 13 00-0557	EA	Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A)	2,373.54	58.06
11 68 13 00-0558	EA	Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B)	2,333.01	58.06
11 68 13 00-0559	EA	Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A)	4,128.58	77.42
11 68 13 00-0560	EA	Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B)	4,088.05	77.42
11 68 13 00-0561	EA	The Peak Natural Climber (Landscape Structures® 160418A)	6,011.98	96.77
11 68 13 00-0562	EA	The Stepper Natural Climbing Stone (Landscape Structures® 160419A)	3,022.12	58.06
11 68 13 00-0563	EA	Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A)	7,511.81	96.77
11 68 13 00-0564	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A)	5,527.07	77.42
11 68 13 00-0565	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B)	5,229.81	77.42
11 68 13 00-0566	EA	HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A)	5,527.07	77.42
11 68 13 00-0567	EA	HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B)	5,229.81	77.42
11 68 13 00-0568	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A)	2,947.80	58.06
11 68 13 00-0569	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B)	2,643.78	58.06
11 68 13 00-0570	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A)	6,910.52	96.77
11 68 13 00-0571	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B)	6,613.26	96.77
11 68 13 00-0572	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A)	2,643.78	58.06
11 68 13 00-0573	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B)	2,346.52	58.06
11 68 13 00-0574	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures® 161314A)	2,569.47	58.06
11 68 13 00-0575	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B)	2,346.52	58.06
11 68 13 00-0576	EA	HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A)	3,096.43	58.06
11 68 13 00-0577	EA	HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B)	3,245.07	58.06
11 68 13 00-0578	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A)	1,420.83	58.06
11 68 13 00-0579	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B)	2,346.52	58.06
11 68 13 00-0580	EA	HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A)	3,096.43	58.06
11 68 13 00-0581	EA	HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B)	3,245.07	58.06
11 68 13 00-0582	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A)	1,111.70	38.71
11 68 13 00-0583	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B)	782.17	19.35
11 68 13 00-0584	EA	Global Relief Sign With Frame (Landscape Structures® 162617A)	694.34	19.35
11 68 13 00-0585	EA	Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A)	910.53	19.35
11 68 13 00-0586	EA	Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B)	1,125.21	38.71
11 68 13 00-0587	EA	Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A)	1,753.52	38.71
11 68 13 00-0588	EA	Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B)	1,888.64	38.71
11 68 13 00-0589	EA	16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A)	1,321.14	38.71



MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0672	EA 72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F).....	3,576.11	58.06
11 68 13 00-0673	EA 96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G).....	4,716.35	77.42
11 68 13 00-0674	EA Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A).....	842.97	19.35
11 68 13 00-0675	EA Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A).....	1,500.92	29.03
11 68 13 00-0676	EA Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A).....	3,413.97	58.06
11 68 13 00-0677	EA 32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A).....	2,113.98	74.19
11 68 13 00-0678	EA 40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B).....	2,492.32	74.19
11 68 13 00-0679	EA 32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A).....	2,418.00	74.19
11 68 13 00-0680	EA 40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B).....	2,809.85	74.19
11 68 13 00-0681	EA Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A).....	2,689.77	54.84
11 68 13 00-0682	EA Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A).....	2,623.51	58.06
11 68 13 00-0683	EA Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B).....	2,826.19	58.06
11 68 13 00-0684	EA Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A).....	3,191.02	58.06
11 68 13 00-0685	EA Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B).....	3,386.94	58.06
11 68 13 00-0686	EA Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B).....	1,198.00	58.06
11 68 13 00-0687	EA Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C).....	1,272.31	58.06
11 68 13 00-0688	EA Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D).....	1,366.90	58.06
11 68 13 00-0689	EA Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A).....	1,684.43	58.06
11 68 13 00-0690	EA Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B).....	1,758.75	58.06
11 68 13 00-0691	EA Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C).....	1,853.33	58.06
11 68 13 00-0692	EA Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D).....	1,927.65	58.06
11 68 13 00-0693	EA Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A).....	2,777.38	77.42
11 68 13 00-0694	EA Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A).....	3,628.64	77.42
11 68 13 00-0695	EA Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B).....	4,128.58	77.42
11 68 13 00-0696	EA Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A).....	5,216.30	77.42
11 68 13 00-0697	EA Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B).....	4,689.33	77.42
11 68 13 00-0698	EA Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C).....	4,128.58	77.42
11 68 13 00-0699	EA Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D).....	3,547.57	77.42
11 68 13 00-0700	EA Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A).....	5,013.62	77.42
11 68 13 00-0701	EA Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B).....	4,689.33	77.42
11 68 13 00-0702	EA Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C).....	4,365.04	77.42
11 68 13 00-0703	EA 48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A).....	2,150.59	58.06
11 68 13 00-0704	EA 64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B).....	2,832.95	58.06
11 68 13 00-0705	EA 24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A).....	1,668.31	48.38
11 68 13 00-0706	EA 48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A).....	1,423.78	45.16
11 68 13 00-0707	EA 48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A).....	1,950.75	45.16
11 68 13 00-0708	EA 48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A).....	1,714.29	45.16
11 68 13 00-0709	EA 40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A).....	1,499.41	48.38
11 68 13 00-0710	EA 48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B).....	1,580.48	48.38
11 68 13 00-0711	EA 64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C).....	1,648.04	48.38
11 68 13 00-0712	EA 40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A).....	904.88	48.38
11 68 13 00-0713	EA 48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B).....	958.93	48.38
11 68 13 00-0714	EA 64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C).....	1,046.76	48.38
11 68 13 00-0715	EA 40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A).....	1,195.39	48.38
11 68 13 00-0716	EA 48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B).....	1,249.44	48.38
11 68 13 00-0717	EA 64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C).....	1,323.75	48.38
11 68 13 00-0718	EA 48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A).....	1,648.04	48.38
11 68 13 00-0719	EA 56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B).....	1,661.55	48.38
11 68 13 00-0720	EA 64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C).....	1,979.09	48.38
11 68 13 00-0721	EA 72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D).....	1,992.60	48.38
11 68 13 00-0722	EA 48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A).....	1,931.79	48.38
11 68 13 00-0723	EA 56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B).....	1,965.57	48.38
11 68 13 00-0724	EA 64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C).....	2,283.11	48.38
11 68 13 00-0725	EA 72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D).....	2,303.37	48.38
11 68 13 00-0726	EA 72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A).....	3,855.72	67.74
11 68 13 00-0727	EA 40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B).....	3,126.08	67.74
11 68 13 00-0728	EA 32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A).....	1,057.65	38.71
11 68 13 00-0729	EA 56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B).....	1,206.28	38.71
11 68 13 00-0730	EA 32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A).....	1,354.92	38.71
11 68 13 00-0731	EA 56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B).....	1,544.08	38.71
11 68 13 00-0732	EA 64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A).....	3,712.33	87.09
11 68 13 00-0733	EA SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A).....	5,345.08	29.03
11 68 13 00-0734	EA Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A).....	5,175.76	77.42
11 68 13 00-0735	EA Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B).....	5,175.76	77.42
11 68 13 00-0736	EA Manta Ray Climber, Net Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C).....	5,175.76	77.42
11 68 13 00-0737	EA SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A).....	5,345.08	29.03
11 68 13 00-0738	EA Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A).....	3,320.91	38.71
11 68 13 00-0739	EA SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A).....	6,901.59	38.71
11 68 13 00-0740	EA Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A).....	3,749.16	48.38
11 68 13 00-0741	EA Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A).....	151.25	9.67
11 68 13 00-0742	EA Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A).....	178.27	9.67



	Equipment	11
	Entertainment and Recreation Equipment	11 60
	Play Field Equipment And Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0743 EA Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A)	739.02	9.67
11 68 13 00-0744 EA Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A)	245.83	9.67
11 68 13 00-0745 EA 40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A)	2,258.69	58.06
11 68 13 00-0746 EA 48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B)	2,434.35	58.06
11 68 13 00-0747 EA 40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A)	2,555.95	58.06
11 68 13 00-0748 EA 48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B)	2,805.93	58.06
11 68 13 00-0749 EA 40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A)	2,555.95	58.06
11 68 13 00-0750 EA 48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B)	2,751.88	58.06
11 68 13 00-0751 EA 1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A)	1,277.97	29.03
11 68 13 00-0752 EA 2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B)	1,845.48	29.03
11 68 13 00-0753 EA 3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C)	2,419.74	29.03
11 68 13 00-0754 EA 4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D)	2,987.24	29.03
11 68 13 00-0755 EA 1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A)	1,230.68	29.03
11 68 13 00-0756 EA 2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B)	1,419.85	29.03
11 68 13 00-0757 EA 3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C)	1,615.77	29.03
11 68 13 00-0758 EA 4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D)	1,696.84	29.03
11 68 13 00-0759 EA 1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A)	1,487.41	29.03
11 68 13 00-0760 EA 2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B)	1,690.09	29.03
11 68 13 00-0761 EA 3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C)	1,879.26	29.03
11 68 13 00-0762 EA 4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D)	2,068.42	29.03
11 68 13 00-0763 EA 48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A)	3,524.68	67.74
11 68 13 00-0764 EA 64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B)	3,619.26	67.74
11 68 13 00-0765 EA 48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C)	3,565.22	67.74
11 68 13 00-0766 EA 48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A)	4,125.96	67.74
11 68 13 00-0767 EA 64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B)	4,220.55	67.74
11 68 13 00-0768 EA 48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C)	4,180.01	67.74
11 68 13 00-0769 EA 40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A)	1,310.24	48.38
11 68 13 00-0770 EA 56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B)	1,452.12	48.38
11 68 13 00-0771 EA 64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C)	1,600.75	48.38
11 68 13 00-0772 EA 40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A)	1,704.70	58.06
11 68 13 00-0773 EA 56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B)	1,853.33	58.06
11 68 13 00-0774 EA 64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C)	1,995.21	58.06
11 68 13 00-0775 EA 40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A)	1,607.51	48.38
11 68 13 00-0776 EA 56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B)	1,742.63	48.38
11 68 13 00-0777 EA 64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C)	1,898.01	48.38
11 68 13 00-0778 EA 40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A)	895.51	38.71
11 68 13 00-0779 EA 40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A)	1,192.77	38.71
11 68 13 00-0780 EA 32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A)	1,057.65	38.71
11 68 13 00-0781 EA 56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B)	1,152.24	38.71
11 68 13 00-0782 EA 32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A)	1,354.92	38.71
11 68 13 00-0783 EA 56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B)	1,435.99	38.71
11 68 13 00-0784 EA 24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A)	796.99	25.81
11 68 13 00-0785 EA 32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B)	884.82	25.81
11 68 13 00-0786 EA 40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C)	992.92	25.81
11 68 13 00-0787 EA 48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D)	1,190.14	29.03
11 68 13 00-0788 EA 56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E)	1,352.29	29.03
11 68 13 00-0789 EA 64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F)	1,500.92	29.03
11 68 13 00-0790 EA 72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G)	1,703.60	29.03
11 68 13 00-0791 EA 48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A)	1,777.92	29.03
11 68 13 00-0792 EA 64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B)	1,845.48	29.03
11 68 13 00-0793 EA 48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A)	2,075.18	29.03
11 68 13 00-0794 EA 64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B)	2,149.50	29.03
11 68 13 00-0795 EA 48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A)	1,708.85	48.38
11 68 13 00-0796 EA 64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B)	1,796.67	48.38
11 68 13 00-0797 EA 48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A)	2,360.03	58.06
11 68 13 00-0798 EA 64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B)	2,468.13	58.06
11 68 13 00-0799 EA 48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A)	2,006.11	48.38
11 68 13 00-0800 EA 64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B)	2,087.18	48.38
11 68 13 00-0801 EA 32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A)	875.24	38.71
11 68 13 00-0802 EA 40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B)	1,206.28	38.71
11 68 13 00-0803 EA 56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C)	1,531.88	45.16
11 68 13 00-0804 EA 72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D)	1,869.68	45.16
11 68 13 00-0805 EA 32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A)	1,483.28	38.71
11 68 13 00-0806 EA 40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B)	1,584.62	38.71
11 68 13 00-0807 EA 48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C)	1,821.08	38.71
11 68 13 00-0808 EA 64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D)	2,057.54	38.71
11 68 13 00-0809 EA 32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A)	1,787.30	38.71
11 68 13 00-0810 EA 40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B)	1,881.88	38.71
11 68 13 00-0811 EA 48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C)	2,118.34	38.71
11 68 13 00-0812 EA 64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D)	2,361.56	38.71
11 68 13 00-0813 EA Mini Summit Climber 40"-48" Decks (Landscape Structures® PlayBooster® 153076A)	1,030.45	58.06
11 68 13 00-0814 EA 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A)	1,287.36	38.71
11 68 13 00-0815 EA PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A)	1,373.65	58.06
11 68 13 00-0816 EA 48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A)	5,791.22	154.84
11 68 13 00-0817 EA 48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B)	5,791.22	154.84



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment And Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0887 EA Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A)	413.20	29.03
11 68 13 00-0888 EA Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B)	521.30	29.03
11 68 13 00-0889 EA Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A)	399.69	29.03
11 68 13 00-0890 EA 84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A)	3,393.70	58.06
11 68 13 00-0891 EA 123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A)	4,315.13	67.74
11 68 13 00-0892 EA 84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147424A)	4,940.82	58.06
11 68 13 00-0893 EA 123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147425A)	6,075.83	58.06
11 68 13 00-0894 EA 84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A)	2,739.03	135.48
11 68 13 00-0895 EA 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A)	3,879.28	154.84
11 68 13 00-0896 EA S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A)	3,879.28	154.84
11 68 13 00-0897 EA 16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A)	3,126.50	19.35
11 68 13 00-0898 EA 16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A)	2,025.27	19.35
11 68 13 00-0899 EA Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A)	2,214.02	67.74
11 68 13 00-0900 EA 64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B)	2,543.97	38.71
11 68 13 00-0901 EA 90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A)	3,037.16	38.71
11 68 13 00-0902 EA 32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A)	1,922.42	38.71
11 68 13 00-0903 EA C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A)	4,959.57	77.42
11 68 13 00-0904 EA S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B)	4,959.57	77.42
11 68 13 00-0905 EA C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A)	4,959.57	77.42
11 68 13 00-0906 EA S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B)	4,959.57	77.42
11 68 13 00-0907 EA 24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A)	3,126.08	67.74
11 68 13 00-0908 EA 8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A)	2,747.74	67.74
11 68 13 00-0909 EA 16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A)	2,842.32	67.74
11 68 13 00-0910 EA Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A)	1,553.66	25.81
11 68 13 00-0911 EA Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A)	1,472.59	25.81
11 68 13 00-0912 EA Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A)	1,761.79	19.35
11 68 13 00-0913 EA Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A)	1,349.67	19.35
11 68 13 00-0914 EA Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A)	1,283.42	25.81
11 68 13 00-0915 EA Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A)	1,182.08	25.81
11 68 13 00-0916 EA Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A)	775.41	19.35
11 68 13 00-0917 EA Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A)	559.22	19.35
11 68 13 00-0918 EA Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A)	565.97	19.35
11 68 13 00-0919 EA Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A)	1,133.48	19.35
11 68 13 00-0920 EA Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A)	898.33	25.81
11 68 13 00-0921 EA Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A)	687.58	19.35
11 68 13 00-0922 EA Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A)	687.58	19.35
11 68 13 00-0923 EA Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A)	1,072.67	19.35
11 68 13 00-0924 EA Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A)	1,025.38	19.35
11 68 13 00-0925 EA Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A)	1,221.31	19.35
11 68 13 00-0926 EA Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A)	1,464.52	19.35
11 68 13 00-0927 EA Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A)	1,349.67	19.35
11 68 13 00-0928 EA Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A)	701.09	19.35
11 68 13 00-0929 EA Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A)	1,183.39	29.03
11 68 13 00-0930 EA Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B)	1,372.56	29.03
11 68 13 00-0931 EA Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A)	863.24	19.35
11 68 13 00-0932 EA Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B)	1,005.11	19.35
11 68 13 00-0933 EA Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A)	795.68	19.35
11 68 13 00-0934 EA Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A)	660.56	19.35
11 68 13 00-0935 EA Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A)	626.78	19.35
11 68 13 00-0936 EA Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A)	1,076.61	35.48
11 68 13 00-0937 EA Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A)	1,487.41	29.03
11 68 13 00-0938 EA Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A)	999.67	25.81
11 68 13 00-0939 EA Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A)	559.22	19.35
11 68 13 00-0940 EA Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A)	579.49	19.35
11 68 13 00-0941 EA 2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A)	279.61	9.67
11 68 13 00-0942 EA 1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B)	140.48	6.45
11 68 13 00-0943 EA House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A)	760.59	16.13
11 68 13 00-0944 EA House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B)	903.77	19.35
11 68 13 00-0945 EA House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A)	640.29	19.35
11 68 13 00-0946 EA Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A)	1,687.47	19.35
11 68 13 00-0947 EA Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A)	1,464.52	19.35
11 68 13 00-0948 EA Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B)	1,842.86	19.35
11 68 13 00-0949 EA Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A)	579.49	19.35
11 68 13 00-0950 EA Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A)	614.58	25.81
11 68 13 00-0951 EA Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B)	755.14	19.35
11 68 13 00-0952 EA Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B)	803.75	25.81
11 68 13 00-0953 EA Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A)	620.02	19.35
11 68 13 00-0954 EA Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B)	809.19	19.35
11 68 13 00-0955 EA Pipe Guardrail (Landscape Structures® PlayBooster® 116245A)	491.66	19.35
11 68 13 00-0956 EA Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A)	628.09	25.81
11 68 13 00-0957 EA Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A)	630.93	9.67

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment And Structures



MINOR
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TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 68 13 00-0958	EA	Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A).....	445.47	9.67
11 68 13 00-0959	EA	Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A).....	833.61	9.67
11 68 13 00-0960	EA	Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A).....	1,415.93	16.13
11 68 13 00-0961	EA	Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A).....	747.08	16.13
11 68 13 00-0962	EA	Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A).....	1,159.20	16.13
11 68 13 00-0963	EA	Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A).....	849.73	19.35
11 68 13 00-0964	EA	Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B).....	1,045.65	19.35
11 68 13 00-0965	EA	Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A).....	2,153.63	19.35
11 68 13 00-0966	EA	Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B).....	2,310.34	25.81
11 68 13 00-0967	EA	Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A).....	1,322.65	19.35
11 68 13 00-0968	EA	Wire Barrier (Landscape Structures® PlayBooster® 120314A).....	641.60	25.81
11 68 13 00-0969	EA	Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A).....	790.24	25.81
11 68 13 00-0970	EA	Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B).....	837.53	25.81
11 68 13 00-0971	EA	Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B).....	986.16	25.81
11 68 13 00-0972	EA	Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C).....	701.09	19.35
11 68 13 00-0973	EA	Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D).....	897.02	19.35
11 68 13 00-0974	EA	Loop Seats (Landscape Structures® PlayBooster® 118089A).....	448.51	9.67
11 68 13 00-0975	EA	Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A).....	170.20	6.45
11 68 13 00-0976	EA	Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A).....	190.47	6.45
11 68 13 00-0977	EA	Handloop Assembly (Landscape Structures® PlayBooster® 111275A).....	226.87	16.13
11 68 13 00-0978	EA	Rail Assembly (Landscape Structures® PlayBooster® 111276A).....	220.11	16.13
11 68 13 00-0979	EA	Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B).....	1,279.29	35.48
11 68 13 00-0980	EA	Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C).....	514.54	29.03
11 68 13 00-0981	EA	Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D).....	474.01	29.03
11 68 13 00-0982	EA	Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A).....	653.80	19.35
11 68 13 00-0983	EA	Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A).....	1,804.94	29.03
11 68 13 00-0984	EA	48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A).....	637.68	9.67
11 68 13 00-0985	EA	72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B).....	678.22	9.67
11 68 13 00-0986	EA	Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A).....	475.54	9.67
11 68 13 00-0987	EA	16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B).....	482.29	9.67
11 68 13 00-0988	EA	24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C).....	489.05	9.67
11 68 13 00-0989	EA	32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D).....	495.81	9.67
11 68 13 00-0990	EA	40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E).....	502.56	9.67
11 68 13 00-0991	EA	48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F).....	516.07	9.67
11 68 13 00-0992	EA	56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G).....	522.83	9.67
11 68 13 00-0993	EA	64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H).....	536.34	9.67
11 68 13 00-0994	EA	72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I).....	543.10	9.67
11 68 13 00-0995	EA	Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A).....	759.29	9.67
11 68 13 00-0996	EA	Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A).....	2,189.61	77.42
11 68 13 00-0997	EA	Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A).....	3,155.72	77.42
11 68 13 00-0998	EA	Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A).....	2,603.25	58.06
11 68 13 00-0999	EA	Square SteelX Roof (Landscape Structures® PlayBooster® 139375A).....	2,785.66	58.06
11 68 13 00-1000	EA	Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A).....	4,396.20	67.74
11 68 13 00-1001	EA	Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A).....	271.54	6.45
11 68 13 00-1002	EA	Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A).....	10,730.52	232.26
11 68 13 00-1003	EA	Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A).....	3,254.68	193.55
11 68 13 00-1004	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A).....	18,490.79	348.38
11 68 13 00-1005	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B).....	14,254.77	348.38
11 68 13 00-1006	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C).....	13,437.30	348.38
11 68 13 00-1007	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D).....	18,605.64	348.38
11 68 13 00-1008	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E).....	14,369.63	348.38
11 68 13 00-1009	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F).....	13,558.91	348.38
11 68 13 00-1010	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A).....	944.31	19.35
11 68 13 00-1011	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A).....	903.77	19.35
11 68 13 00-1012	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A).....	876.75	19.35
11 68 13 00-1013	EA	Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A).....	725.51	9.67
11 68 13 00-1014	EA	Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A).....	2,681.71	48.38
11 68 13 00-1015	EA	Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A).....	706.55	16.13
11 68 13 00-1016	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A).....	772.80	9.67
11 68 13 00-1017	EA	Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A).....	511.93	19.35
11 68 13 00-1018	EA	24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A).....	416.04	16.13
11 68 13 00-1019	EA	32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B).....	524.13	16.13
11 68 13 00-1020	EA	To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A).....	2,243.66	77.42
11 68 13 00-1021	EA	To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B).....	2,567.95	77.42
11 68 13 00-1022	EA	To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C).....	2,703.07	77.42
11 68 13 00-1023	EA	To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A).....	2,500.39	77.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1024 EA To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B).....	2,817.92	77.42
11 68 13 00-1025 EA To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C).....	2,932.77	77.42
11 68 13 00-1026 EA Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A)	1,376.69	19.35
11 68 13 00-1027 EA Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B).....	1,329.40	19.35
11 68 13 00-1028 EA Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C).....	1,275.35	19.35
11 68 13 00-1029 EA Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D).....	1,261.84	19.35
11 68 13 00-1030 EA Arch/Ground Level (Landscape Structures® PlayBooster® 111406E).....	1,174.01	19.35
11 68 13 00-1031 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J).....	436.31	16.13
11 68 13 00-1032 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K).....	422.79	16.13
11 68 13 00-1033 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L).....	416.04	16.13
11 68 13 00-1034 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M).....	409.28	16.13
11 68 13 00-1035 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N).....	402.53	16.13
11 68 13 00-1036 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O).....	389.01	16.13
11 68 13 00-1037 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P).....	382.26	16.13
11 68 13 00-1038 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q).....	375.50	16.13
11 68 13 00-1039 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R).....	361.99	16.13
11 68 13 00-1040 EA 106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J).....	409.28	16.13
11 68 13 00-1041 EA 98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K).....	402.53	16.13
11 68 13 00-1042 EA 90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L).....	389.01	16.13
11 68 13 00-1043 EA 82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M).....	382.26	16.13
11 68 13 00-1044 EA 74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N).....	375.50	16.13
11 68 13 00-1045 EA 66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O).....	361.99	16.13
11 68 13 00-1046 EA 58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P).....	355.23	16.13
11 68 13 00-1047 EA 50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q).....	348.48	16.13
11 68 13 00-1048 EA 42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R).....	341.72	16.13
11 68 13 00-1049 EA 148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M).....	326.91	9.67
11 68 13 00-1050 EA 140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N).....	557.96	9.67
11 68 13 00-1051 EA 132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O).....	299.88	9.67
11 68 13 00-1052 EA 124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P).....	293.13	9.67
11 68 13 00-1053 EA 116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q).....	286.37	9.67
11 68 13 00-1054 EA 108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R).....	279.61	9.67
11 68 13 00-1055 EA 100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S).....	266.10	9.67
11 68 13 00-1056 EA 92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T).....	245.83	9.67
11 68 13 00-1057 EA 84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U).....	232.32	9.67
11 68 13 00-1058 EA 76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V).....	225.57	9.67
11 68 13 00-1059 EA 156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W).....	374.20	9.67
11 68 13 00-1060 EA 182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z).....	435.00	9.67
11 68 13 00-1061 EA 182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K).....	380.95	9.67
11 68 13 00-1062 EA 174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L).....	374.20	9.67
11 68 13 00-1063 EA 166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M).....	367.44	9.67
11 68 13 00-1064 EA 158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N).....	353.93	9.67
11 68 13 00-1065 EA 150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O).....	347.17	9.67
11 68 13 00-1066 EA 142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P).....	340.42	9.67
11 68 13 00-1067 EA 134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q).....	333.66	9.67
11 68 13 00-1068 EA 126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R).....	326.91	9.67
11 68 13 00-1069 EA 118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S).....	306.64	9.67
11 68 13 00-1070 EA 110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T).....	299.88	9.67
11 68 13 00-1071 EA 204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A).....	972.48	348.38
11 68 13 00-1072 EA 212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B).....	979.23	348.38
11 68 13 00-1073 EA 220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C).....	992.75	348.38
11 68 13 00-1074 EA 264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A).....	1,200.86	193.55
11 68 13 00-1075 EA 248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B).....	1,160.32	193.55
11 68 13 00-1076 EA 232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C).....	1,140.06	193.55
11 68 13 00-1077 EA 220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D).....	1,025.20	193.55
11 68 13 00-1078 EA 200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E).....	998.18	193.55
11 68 13 00-1079 EA Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A).....	488.96	19.35
11 68 13 00-1080 EA 132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A).....	1,294.11	38.71
11 68 13 00-1081 EA Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B).....	1,104.94	38.71
11 68 13 00-1082 EA 84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B).....	2,754.97	58.06
11 68 13 00-1083 EA 84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C).....	2,887.00	58.06
11 68 13 00-1084 EA 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B).....	3,898.50	77.42
11 68 13 00-1085 EA 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C).....	3,628.64	77.42
11 68 13 00-1086 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A).....	491.66	19.35
11 68 13 00-1087 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B).....	471.39	19.35
11 68 13 00-1088 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C).....	451.12	19.35
11 68 13 00-1089 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D).....	444.37	19.35
11 68 13 00-1090 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E).....	414.73	9.67
11 68 13 00-1091 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F).....	401.22	9.67
11 68 13 00-1092 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G).....	380.95	9.67
11 68 13 00-1093 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H).....	374.20	9.67
11 68 13 00-1094 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I).....	367.44	9.67
11 68 13 00-1095 EA Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B).....	1,240.06	38.71

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 68 13 00-1096	EA	32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B).....	4,170.00	77.42
11 68 13 00-1097	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B).....	3,898.50	77.42
11 68 13 00-1098	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C).....	4,031.09	77.42
11 68 13 00-1099	EA	Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A).....	4,175.87	77.42
11 68 13 00-1100	EA	The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A).....	19,770.04	232.26
11 68 13 00-1101	EA	The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A).....	11,114.95	154.84
11 68 13 00-1102	EA	Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A).....	964.58	19.35
11 68 13 00-1103	EA	Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A).....	3,461.26	58.06
11 68 13 00-1104	EA	Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B).....	3,096.43	58.06
11 68 13 00-1105	EA	Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A).....	4,020.49	77.42
11 68 13 00-1106	EA	Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A).....	3,865.10	77.42
11 68 13 00-1107	EA	Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B).....	3,474.77	58.06
11 68 13 00-1108	EA	Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C).....	3,299.11	58.06
11 68 13 00-1109	EA	Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D).....	2,934.29	58.06
11 68 13 00-1110	EA	Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A).....	4,783.91	77.42
11 68 13 00-1111	EA	16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A).....	491.66	19.35
11 68 13 00-1112	EA	24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A).....	755.14	19.35
11 68 13 00-1113	EA	24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B).....	842.97	19.35
11 68 13 00-1114	EA	32"-40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A).....	1,246.82	38.71
11 68 13 00-1115	EA	32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B).....	1,341.40	38.71
11 68 13 00-1116	EA	32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C).....	1,408.96	38.71
11 68 13 00-1117	EA	32"-40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D).....	1,483.28	38.71
11 68 13 00-1118	EA	Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A).....	2,123.57	58.06
11 68 13 00-1119	EA	Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A).....	1,341.40	38.71
11 68 13 00-1120	EA	Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A).....	1,206.28	38.71
11 68 13 00-1121	EA	Stationary Cypher, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A).....	1,025.38	19.35
11 68 13 00-1122	EA	Stationary Cypher, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B).....	788.92	19.35
11 68 13 00-1123	EA	Stationary Cypher, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C).....	1,483.28	38.71
11 68 13 00-1124	EA	Stationary Cypher, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D).....	788.92	19.35
11 68 13 00-1125	EA	(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A).....	2,064.30	38.71
11 68 13 00-1126	EA	(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B).....	2,044.03	38.71
11 68 13 00-1127	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A).....	6,356.53	96.77
11 68 13 00-1128	EA	The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A).....	6,701.09	96.77
11 68 13 00-1129	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A).....	3,366.67	58.06
11 68 13 00-1130	EA	64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A).....	3,932.66	77.42
11 68 13 00-1131	EA	Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A).....	565.97	19.35
11 68 13 00-1132	EA	Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A).....	3,413.97	58.06
11 68 13 00-1133	EA	Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A).....	6,788.92	96.77
11 68 13 00-1134	EA	RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A).....	2,123.57	58.06
11 68 13 00-1135	EA	Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A).....	917.29	19.35
11 68 13 00-1136	EA	Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A).....	822.70	19.35
11 68 13 00-1137	EA	Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A).....	829.46	19.35
11 68 13 00-1138	EA	Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A).....	1,861.62	38.71
11 68 13 00-1139	EA	Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A).....	1,463.01	38.71
11 68 13 00-1140	EA	Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A).....	768.65	19.35
11 68 13 00-1141	EA	Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A).....	903.77	19.35
11 68 13 00-1142	EA	Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A).....	842.97	19.35

11 68 13 00-1143 Playground Equipment (Landscape Structures® Evos™) (11 68 13 00-0121)

11 68 13 00-1144	EA	Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A).....	694.34	19.35
11 68 13 00-1145	EA	Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A).....	822.70	19.35
11 68 13 00-1146	EA	Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A).....	3,184.26	58.06
11 68 13 00-1147	EA	Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A).....	2,420.83	58.06
11 68 13 00-1148	EA	Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A).....	5,905.63	54.84
11 68 13 00-1149	EA	Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A).....	4,473.14	77.42
11 68 13 00-1150	EA	RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A).....	2,999.24	48.38
11 68 13 00-1151	EA	Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A).....	6,298.78	58.06
11 68 13 00-1152	EA	Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A).....	1,422.48	38.71
11 68 13 00-1153	EA	Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A).....	1,906.28	29.03
11 68 13 00-1154	EA	E-Pod Step (Landscape Structures® Evos™ 156454A).....	298.57	6.45
11 68 13 00-1155	EA	Cycler With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A).....	1,349.67	19.35
11 68 13 00-1156	EA	8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A).....	976.79	16.13
11 68 13 00-1157	EA	16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B).....	983.54	16.13
11 68 13 00-1158	EA	24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C).....	990.30	16.13



	Equipment	11
	Entertainment and Recreation Equipment	11 60
	Play Field Equipment And Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1159 EA Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A).....	5,576.98	87.09
11 68 13 00-1160 EA PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A).....	5,832.61	58.06
11 68 13 00-1161 EA ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A).....	2,516.95	38.71
11 68 13 00-1162 EA Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A).....	2,761.67	19.35
11 68 13 00-1163 EA 2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A).....	23,958.76	232.26
11 68 13 00-1164 EA 3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A).....	26,787.15	348.38
11 68 13 00-1165 EA Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A).....	2,835.15	116.13
11 68 13 00-1166 EA 16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A).....	1,321.14	38.71
11 68 13 00-1167 EA 24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B).....	1,334.65	38.71
11 68 13 00-1168 EA Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A).....	903.77	19.35
11 68 13 00-1169 EA Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A).....	829.46	19.35
11 68 13 00-1170 EA Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A).....	701.09	19.35
11 68 13 00-1171 EA Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A).....	1,456.26	38.71
11 68 13 00-1172 EA Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A).....	755.14	19.35
11 68 13 00-1173 EA Chimes Reach Panel (Landscape Structures® Evos™ 161777A).....	1,199.53	38.71
11 68 13 00-1174 EA Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A).....	457.88	19.35
11 68 13 00-1175 EA Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A).....	647.05	19.35
11 68 13 00-1176 EA Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A).....	849.73	19.35
11 68 13 00-1177 EA Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A).....	2,003.49	38.71
11 68 13 00-1178 EA Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A).....	2,420.83	58.06
11 68 13 00-1179 EA BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A).....	4,358.29	77.42
11 68 13 00-1180 EA Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A).....	1,773.79	38.71
11 68 13 00-1181 EA Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A).....	1,942.69	38.71
11 68 13 00-1182 EA 3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A).....	27,179.00	348.38
11 68 13 00-1183 EA 4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A).....	29,813.84	348.38
11 68 13 00-1184 EA Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A).....	3,116.70	58.06
11 68 13 00-1185 EA Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A).....	5,822.81	96.77
11 68 13 00-1186 EA Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A).....	1,354.92	38.71
11 68 13 00-1187 EA Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A).....	1,726.50	38.71
11 68 13 00-1188 EA TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A).....	1,726.50	38.71
11 68 13 00-1189 Playground Equipment (Landscape Structures® Weevos™) <small>(11 68 13 00-0121)</small>		
11 68 13 00-1190 EA Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A).....	694.34	19.35
11 68 13 00-1191 EA ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A).....	1,807.57	38.71
11 68 13 00-1192 Playground Equipment (Landscape Structures® Parts) <small>(11 68 13 00-0121)</small>		
11 68 13 00-1193 EA 52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A).....	55.31	9.67
11 68 13 00-1194 EA 66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A).....	59.37	9.67
11 68 13 00-1195 EA Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A).....	53.96	9.67
11 68 13 00-1196 EA Play It Safe Label, 2-5 Years (Landscape Structures® 156845A).....	4.58	1.93
11 68 13 00-1197 EA Play It Safe Label, 2-12 Years (Landscape Structures® 156846A).....	4.58	1.93
11 68 13 00-1198 EA Play It Safe Label, 5-12 Years (Landscape Structures® 156847A).....	4.58	1.93
11 68 13 00-1199 EA Play It Safe Label, 8-12 Years (Landscape Structures® 156848A).....	4.58	1.93
11 68 13 00-1200 EA D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A).....	98.55	9.67
11 68 13 00-1201 EA (2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A).....	53.74	3.87
11 68 13 00-1202 EA (2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A).....	29.42	3.87
11 68 13 00-1203 EA (2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A).....	30.77	3.87
11 68 13 00-1204 EA 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A).....	68.86	4.84
11 68 13 00-1205 EA 3-1/2" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A).....	68.86	4.84
11 68 13 00-1206 EA TenderTuff Repair Kit (Landscape Structures® 138717A).....	8.78	
11 68 13 00-1207 EA Anti-Wrap, 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A).....	94.54	4.84
11 68 13 00-1208 EA (2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A).....	57.80	3.87
11 68 13 00-1209 EA 65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A).....	58.02	9.67
11 68 13 00-1210 EA 43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A).....	50.59	9.67
11 68 13 00-1211 EA 87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A).....	76.93	9.67
11 68 13 00-1212 EA 29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A).....	47.21	9.67
11 68 13 00-1213 EA 49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152048A).....	53.96	9.67
11 68 13 00-1214 EA 67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A).....	60.72	9.67
11 68 13 00-1215 EA 76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A).....	67.48	9.67
11 68 13 00-1216 EA 90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A).....	80.99	9.67
11 68 13 00-1217 EA 37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152053A).....	49.23	9.67
11 68 13 00-1218 EA 121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A).....	97.20	9.67
11 68 13 00-1219 EA Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A).....	552.46	19.35
11 68 13 00-1220 EA Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A).....	212.05	9.67
11 68 13 00-1221 EA Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A).....	205.30	9.67
11 68 13 00-1222 EA Nylon Basketball Net (Landscape Structures® 100082A).....	26.98	4.84
11 68 13 00-1223 EA Chain Basketball Net (Landscape Structures® 100083A).....	36.44	4.84
11 68 13 00-1224 EA Basketball Frame Set Only, Moveable (Landscape Structures® 100099A).....	1,025.38	19.35
11 68 13 00-1225 EA Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A).....	842.97	19.35

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment And Structures



MINOR
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TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 68 13 00-1226	EA	Warning Label (Landscape Structures® 115176A).....	0.14	
11 68 13 00-1227	EA	PS Spare Parts Kit (Landscape Structures® 107040A).....	45.94	
11 68 13 00-1228	EA	PB Spare Parts Kit (Landscape Structures® 107043A).....	99.99	
11 68 13 00-1229	EA	Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A).....	538.95	19.35
11 68 13 00-1230	EA	5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A).....	98.55	9.67
11 68 13 00-1231	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A).....	647.05	19.35

11 68 13 00-1232 Playground Equipment (Landscape Structures® Site Furniture) (11 68 13 00-0121)

11 68 13 00-1233	EA	60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A).....	1,076.61	35.48
11 68 13 00-1234	EA	60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B).....	528.06	29.03
11 68 13 00-1235	EA	60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C).....	934.73	35.48
11 68 13 00-1236	EA	60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D).....	514.54	29.03
11 68 13 00-1237	EA	96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E).....	1,583.31	35.48
11 68 13 00-1238	EA	96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F).....	710.47	29.03
11 68 13 00-1239	EA	96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G).....	1,367.11	35.48
11 68 13 00-1240	EA	96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H).....	690.20	29.03
11 68 13 00-1241	EA	Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A).....	210.52	29.03
11 68 13 00-1242	EA	32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A).....	99.73	29.03
11 68 13 00-1243	EA	Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A).....	151.12	25.81
11 68 13 00-1244	EA	Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A).....	656.42	29.03
11 68 13 00-1245	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A).....	567.29	25.81
11 68 13 00-1246	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B).....	567.29	25.81
11 68 13 00-1247	EA	Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A).....	329.51	19.35
11 68 13 00-1248	EA	Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B).....	511.93	19.35
11 68 13 00-1249	EA	60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A).....	1,600.31	96.77
11 68 13 00-1250	EA	60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B).....	1,532.75	96.77
11 68 13 00-1251	EA	60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C).....	1,438.16	96.77
11 68 13 00-1252	EA	84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D).....	2,052.96	96.77
11 68 13 00-1253	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E).....	1,978.64	96.77
11 68 13 00-1254	EA	84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F).....	1,877.30	96.77
11 68 13 00-1255	EA	60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G).....	1,688.14	96.77
11 68 13 00-1256	EA	60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H).....	1,600.31	96.77
11 68 13 00-1257	EA	60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I).....	1,505.72	96.77
11 68 13 00-1258	EA	84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J).....	2,140.79	96.77
11 68 13 00-1259	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K).....	2,052.96	96.77
11 68 13 00-1260	EA	84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L).....	1,944.86	96.77
11 68 13 00-1261	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A).....	528.06	29.03
11 68 13 00-1262	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B).....	588.86	29.03
11 68 13 00-1263	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C).....	575.35	29.03
11 68 13 00-1264	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D).....	636.15	29.03
11 68 13 00-1265	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E).....	811.81	29.03
11 68 13 00-1266	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F).....	751.00	29.03
11 68 13 00-1267	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G).....	865.86	29.03
11 68 13 00-1268	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H).....	805.05	29.03
11 68 13 00-1269	EA	Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A).....	112.10	6.45
11 68 13 00-1270	EA	72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A).....	565.97	19.35
11 68 13 00-1271	EA	72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B).....	579.49	19.35
11 68 13 00-1272	EA	72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C).....	349.78	19.35
11 68 13 00-1273	EA	72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D).....	370.05	19.35
11 68 13 00-1274	EA	92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E).....	579.49	19.35
11 68 13 00-1275	EA	92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F).....	606.51	19.35
11 68 13 00-1276	EA	92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G).....	370.05	19.35
11 68 13 00-1277	EA	92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H).....	397.07	19.35
11 68 13 00-1278	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A).....	1,243.77	77.42
11 68 13 00-1279	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B).....	1,311.33	77.42
11 68 13 00-1280	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C).....	1,318.09	77.42
11 68 13 00-1281	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D).....	1,419.43	77.42
11 68 13 00-1282	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E).....	1,284.31	77.42
11 68 13 00-1283	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F).....	1,365.38	77.42
11 68 13 00-1284	EA	Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A).....	1,341.61	16.13
11 68 13 00-1285	EA	Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B).....	1,213.25	16.13
11 68 13 00-1286	EA	Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C).....	1,105.15	16.13
11 68 13 00-1287	EA	Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A).....	559.22	19.35
11 68 13 00-1288	EA	Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C).....	471.39	19.35
11 68 13 00-1289	EA	Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D).....	653.80	19.35

11 68 23 Exterior Court Athletic Equipment (11 68)

11 68 23 13 Exterior Basketball Equipment (11 68 23)



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment And Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 13-0001 Basketball Systems <small>(11 68 23 13)</small> See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0002 EA 4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System Note: Sportsplay 541-616.	1,185.47	107.03
11 68 23 13-0003 EA 5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System Note: Porter Athletic 176-234.	2,423.48	117.74
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0004 EA 4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System Note: Porter Athletic 164-234.	1,672.70	107.03
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0005 EA 4-1/2" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System Note: Porter Athletic 166-234.	2,107.07	117.74
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0006 EA Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System Note: Porter Athletic 184-234.	2,665.72	157.40
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	
11 68 23 13-0007 EA Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System Note: Porter Athletic 186-234.	3,553.24	173.14
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	
11 68 23 13-0008 Basketball Components <small>(11 68 23 13)</small> See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0009 EA Nylon Cord Basketball Net (Porter Athletic 09608120)	17.30	2.64
11 68 23 13-0010 EA Chain Basketball Net (Porter Athletic 00161000)	34.13	2.64
11 68 23 13-0011 EA Heavy Duty Goal Ring (Porter Athletic 00235000)	87.76	13.18
11 68 23 13-0012 EA Goal Ring For Steel Net (Porter Athletic 00251H00)	183.93	5.94
11 68 23 13-0013 EA 42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000)	829.61	11.21
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0014 EA 42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300)	887.35	11.21
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0015 EA 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300)	630.66	9.89
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0016 EA 54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000)	468.99	9.89
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 33 Tennis Equipment <small>(11 68 23)</small>		
11 68 23 33-0001 Tennis Court Net Posts <small>(11 68 23 33)</small>		
11 68 23 33-0002 PR Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	429.25	44.82
11 68 23 33-0003 PR Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	599.01	44.82
11 68 23 33-0004 PR Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	627.31	44.82
11 68 23 33-0005 PR Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	676.23	44.82
11 68 23 33-0006 PR Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	850.45	44.82
11 68 23 33-0007 PR Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts.....	107.89	
11 68 23 33-0008 PR Galvanized Steel Ground Sleeves For Tennis Court Net Posts.....	129.04	
11 68 23 33-0009 Tennis Court Nets <small>(11 68 23 33)</small>		
11 68 23 33-0010 EA 42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	272.18	44.29
11 68 23 33-0011 EA 42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	305.94	44.29
11 68 23 33-0012 EA 42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	706.39	68.15
11 68 23 33-0013 EA Galvanized Steel Anchor For Tennis Court Net Center Strap.....	33.01	
11 68 33 Athletic Field Equipment <small>(11 68)</small>		
11 68 33 13 Football Field Equipment <small>(11 68 33)</small>		
11 68 33 13-0001 Football Goal Posts <small>(11 68 33 13)</small> Note: Includes auguring for post(s), set in concrete and backfill.		
11 68 33 13-0002 PR Double Steel Football Goal Posts, "H Shape".....	2,381.92	118.67
11 68 33 13-0003 PR Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	3,525.15	207.12
11 68 33 13-0004 PR Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	4,207.00	248.55
11 68 33 23 Soccer And Field Hockey Equipment <small>(11 68 33)</small>		
11 68 33 23-0001 Soccer Goal Posts <small>(11 68 33 23)</small> Note: Includes auguring for post(s), set in concrete and backfill.		
11 68 33 23-0002 PR Regulation Soccer Goal Posts.....	2,347.30	79.09
11 68 33 23-0003 PR Combination Football/Soccer Goal Post.....	2,797.05	118.67
11 68 33 33 Baseball Field Equipment <small>(11 68 33)</small>		

11	11 Equipment
	11 60 Entertainment and Recreation Equipment
	11 68 Play Field Equipment And Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 33 33-0001	Bases ^(11 68 33 33)		
11 68 33 33-0002	SET Bases For Baseball Or Softball.....	315.33	

11 80 Facility Maintenance and Operation Equipment ⁽¹¹⁾

11 81 Maintenance Equipment ^(11 80)

11 81 29 Facility Fall Protection ^(11 81)

11 81 29 00-0001	Safety And Tie-Back Anchors ^(11 81 29)		
Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0039 for engineering testing and inspection.			
11 81 29 00-0002	Roof Mounted, Safety And Tie-Back Anchors ^(11 81 29 00-0001)		
Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.			
11 81 29 00-0003	EA Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	363.21	29.17
Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.			
For Stainless Steel Pad Eye, Add		40.00	
For Foam Insulation Filled HSS Tube, Add		10.00	
11 81 29 00-0004	EA Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	300.51	29.17
Note: Includes drilling in concrete and adhesive anchor systems.			
For Stainless Steel Pad Eye, Add		40.00	
For Foam Insulation Filled HSS Tube, Add		10.00	
11 81 29 00-0005	EA Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	254.01	36.83
For Stainless Steel Pad Eye, Add		40.00	
For Foam Insulation Filled HSS Tube, Add		10.00	
11 81 29 00-0006	Wall Mounted, Safety And Tie-Back Anchor ^(11 81 29 00-0001)		
Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.			
11 81 29 00-0007	EA Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	267.56	29.17
Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.			
For Stainless Steel Pad Eye, Add		40.00	
11 81 29 00-0008	EA Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	236.91	29.17
Note: Includes drilling in concrete and adhesive anchor systems.			
For Stainless Steel Pad Eye, Add		40.00	
11 81 29 00-0009	EA Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	220.61	36.83
For Stainless Steel Pad Eye, Add		40.00	
11 81 29 00-0010	Safety And Tie-Back Anchor Accessories ^(11 81 29 00-0001)		
11 81 29 00-0011	EA Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor).....	242.90	
Note: One cut sheet required per order.			

11 82 Facility Solid Waste Handling Equipment ^(11 80)

11 82 19 Packaged Incinerators ^(11 82)

11 82 19 00-0001	Electric Incinerator ^(11 82 19)		
11 82 19 00-0002	EA Electric Package Incinerator, 100 LB/Hour.....	21,621.92	318.09
11 82 19 00-0003	EA Electric Package Incinerator, 400 LB/Hour.....	44,267.42	636.18
11 82 19 00-0004	EA Electric Package Incinerator, 1,000 LB/Hour.....	151,779.89	954.28

11 82 26 Facility Waste Compactors ^(11 82)

11 82 26 00-0001	110 Volt Compactors ^(11 82 26)		
11 82 26 00-0002	EA Waste Compactor, 110 Volt At 75 LB/Hour.....	11,776.00	173.55
11 82 26 00-0003	EA Waste Compactor, 110 Volt At 250 LB/Hour.....	14,488.14	416.53
11 82 26 00-0004	230 Volt Compactors ^(11 82 26)		
11 82 26 00-0005	EA Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed.....	14,182.90	555.37
11 82 26 00-0006	EA Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed.....	15,784.73	728.92
11 82 26 00-0007	Trash Compactors ^(11 82 26)		
11 82 26 00-0008	EA Trash Compactor, Small.....	2,563.11	121.19
11 82 26 00-0009	EA Trash Compactor, Large.....	3,179.09	137.14

END OF SECTION 11



Furnishings	12	
Operation And Maintenance Of Furnishings	12 01	12
Operation And Maintenance Of Multiple Seating	12 01 60	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 Furnishings

12 01 Operation And Maintenance Of Furnishings (12)

12 01 60 Operation And Maintenance Of Multiple Seating (12 01)

12 01 60 00-0001	Repair Fixed Auditorium Seating (12 01 60)		
12 01 60 00-0002	EA Replace Seat Part.....	97.10	
12 01 60 00-0003	EA Replace Center Armrest Part.....	42.26	
12 01 60 00-0004	EA Replace End Armrest Part.....	62.12	
12 01 60 00-0005	EA Replace Kick Plate Part.....	77.76	
12 01 60 00-0006	EA Replace Back Part.....	121.24	
12 01 60 00-0007	EA Replace Standard Part.....	86.59	
12 01 60 00-0008	EA Replace Back Bracket Part.....	27.24	
12 01 60 00-0009	EA Replace Seat Bracket Part.....	30.79	
12 01 60 00-0010	EA Secure Seat To Floor.....	30.97	
12 01 60 00-0011	EA Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor.....	25.56	
	Note: Includes drilling and fasteners.		
	For Epoxy Anchoring, Add		11.49

12 20 Window Treatments (12)

12 21 Window Blinds (12 20)

12 21 13 Horizontal Louver Blinds (12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds (12 21 13)

12 21 13 13-0001 Aluminum Horizontal Louver Blinds (12 21 13 13)

12 21 13 13-0002	SF 1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	8.48	0.31
12 21 13 13-0003	SF 1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	6.78	0.31
12 21 13 13-0004	SF 1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	7.43	0.31
12 21 13 13-0005	SF 2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	8.74	0.31

12 21 13 33 Plastic Horizontal Louver Blinds (12 21 13)

12 21 13 33-0001 Vinyl Horizontal Louver Blinds (12 21 13 33)

12 21 13 33-0002	SF 1" Slats, Vinyl Horizontal Louver Blinds.....	7.04	0.31
12 21 13 33-0003	SF 2" Slats, Vinyl Horizontal Louver Blinds.....	8.28	0.31

12 21 16 Vertical Louver Blinds (12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds (12 21 16)

12 21 16 13-0001 Aluminum Vertical Louver Blinds (12 21 16 13)

12 21 16 13-0002	SF 3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	9.03	0.66
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12 21 16 33 Plastic Vertical Louver Blinds (12 21 16)

12 21 16 33-0001 Vinyl Vertical Louver Blinds (12 21 16 33)

12 21 16 33-0002	SF 2" Slats, Vinyl Vertical Louver Blinds.....	5.16	0.66
12 21 16 33-0003	SF 3-1/2" Slats, Vinyl Vertical Louver Blinds.....	7.98	0.66

12 22 Curtains And Drapes (12 20)

12 22 13 Draperies (12 22)

12 22 13 00-0001 Lined Draperies (12 22 13)

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0003	EA Up To 39" Long, Up To 48" Wide Lined Draperies.....	145.52	4.87
12 22 13 00-0004	EA >39" To 63" Long, Up To 48" Wide Lined Draperies.....	151.62	4.87
12 22 13 00-0005	EA >63" To 72" Long, Up To 48" Wide Lined Draperies.....	161.54	4.87
12 22 13 00-0006	EA >72" To 81" Long, Up To 48" Wide Lined Draperies.....	165.36	4.87
12 22 13 00-0007	EA >81" To 90" Long, Up To 48" Wide Lined Draperies.....	174.51	4.87
12 22 13 00-0008	EA >90" To 99" Long, Up To 48" Wide Lined Draperies.....	186.72	4.87
12 22 13 00-0009	EA >99" To 108" Long, Up To 48" Wide Lined Draperies.....	194.35	4.87
12 22 13 00-0010	EA >108" To 120" Long, Up To 48" Wide Lined Draperies.....	205.03	4.87
12 22 13 00-0011	EA >120" To 130" Long, Up To 48" Wide Lined Draperies.....	221.81	4.87

12 22 13 00-0012 >48" To 72" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0013	EA Up To 39" Long, >48" To 72" Wide Lined Draperies.....	211.58	6.61
12 22 13 00-0014	EA >39" To 63" Long, >48" To 72" Wide Lined Draperies.....	225.31	6.61
12 22 13 00-0015	EA >63" To 72" Long, >48" To 72" Wide Lined Draperies.....	235.99	6.61
12 22 13 00-0016	EA >72" To 81" Long, >48" To 72" Wide Lined Draperies.....	245.15	6.61

12 Furnishings
12 20 Window Treatments
12 22 Curtains And Drapes



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies	266.51	6.61
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies	277.19	6.61
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies	286.35	6.61
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies	306.18	6.61
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies	327.55	6.61
12 22 13 00-0022		>72" To 96" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies	280.70	8.36
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies	300.54	8.36
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies	309.69	8.36
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies	331.06	8.36
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies	350.89	8.36
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies	370.73	8.36
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies	381.41	8.36
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies	402.77	8.36
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies	431.76	8.36
12 22 13 00-0032		>96" To 120" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies	354.39	10.12
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies	374.23	10.12
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies	384.91	10.12
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies	415.43	10.12
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies	435.26	10.12
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies	456.63	10.12
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies	405.80	10.12
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies	508.50	10.12
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies	523.76	10.12
12 22 13 00-0042		>120" To 144" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies	418.92	11.86
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies	447.91	11.86
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies	458.59	11.86
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies	489.11	11.86
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies	519.62	11.86
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies	550.14	11.86
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies	580.66	11.86
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies	611.17	11.86
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies	649.32	11.86
12 22 13 00-0052		>144" To 168" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies	492.62	13.62
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies	523.13	13.62
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies	546.02	13.62
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies	576.54	13.62
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies	607.06	13.62
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies	645.20	13.62
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies	675.72	13.62
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies	706.24	13.62
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies	759.64	13.62
12 22 13 00-0062		>168" To 192" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies	557.15	15.36
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies	595.30	15.36
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies	618.18	15.36
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies	656.33	15.36
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies	686.85	15.36
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies	724.99	15.36
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies	786.03	15.36
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies	808.92	15.36
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies	862.32	15.36
12 22 13 00-0072		>192" To 216" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies	629.31	17.11
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies	659.83	17.11
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies	690.35	17.11
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies	736.12	17.11
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies	781.90	17.11
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies	827.67	17.11
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies	865.82	17.11
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies	903.97	17.11
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies	972.63	17.11
12 22 13 00-0082		>216" To 240" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0083	EA	Up To 39" Long, >216" To 240" Wide Lined Draperies	693.85	18.87
12 22 13 00-0084	EA	>39" To 63" Long, >216" To 240" Wide Lined Draperies	747.25	18.87
12 22 13 00-0085	EA	>63" To 72" Long, >216" To 240" Wide Lined Draperies	770.14	18.87



Furnishings	12
Window Treatments	12 20
Curtains And Drapes	12 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0086 EA >72" To 81" Long, >216" To 240" Wide Lined Draperies.....	815.92	18.87
12 22 13 00-0087 EA >81" To 90" Long, >216" To 240" Wide Lined Draperies.....	869.32	18.87
12 22 13 00-0088 EA >90" To 99" Long, >216" To 240" Wide Lined Draperies.....	915.10	18.87
12 22 13 00-0089 EA >99" To 108" Long, >216" To 240" Wide Lined Draperies.....	960.87	18.87
12 22 13 00-0090 EA >108" To 120" Long, >216" To 240" Wide Lined Draperies.....	1,006.65	18.87
12 22 13 00-0091 EA >120" To 130" Long, >216" To 240" Wide Lined Draperies.....	1,082.94	18.87

12 22 16 Drapery Track And Accessories (12 22)

12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)		
12 22 16 00-0002 Basic Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0003 EA Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	44.26	14.85
12 22 16 00-0004 EA Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	51.94	14.85
12 22 16 00-0005 EA Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	61.79	16.51
12 22 16 00-0006 EA Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	85.75	16.51
12 22 16 00-0007 EA Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	88.94	18.16
12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)		
12 22 16 00-0009 EA Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	51.62	14.85
12 22 16 00-0010 EA Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	56.57	14.85
12 22 16 00-0011 EA Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	73.46	16.51
12 22 16 00-0012 EA Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	84.30	18.16
12 22 16 00-0013 Double Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0014 EA Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	64.24	14.85
12 22 16 00-0015 EA Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	79.27	14.85
12 22 16 00-0016 EA Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	99.75	16.51
12 22 16 00-0017 EA Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	107.80	18.16
12 22 16 00-0018 Curtain Rods (12 22 16 00-0001)		
12 22 16 00-0019 LF Standard Metal Curtain Rod, White	3.70	0.70
12 22 16 00-0020 Relocate Drapery And Rod (12 22 16 00-0001)		
12 22 16 00-0021 LF Relocate Any Type Of Drapery And Any Type Rod.....	9.90	
Note: Includes storage and cleaning.		

12 23 Interior Shutters (12 20)

12 23 00 00-0001 Interior Plantation Shutters (12 23)		
Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 00 00-0002 12" Wide (12 23 00 00-0001)		
12 23 00 00-0003 PR 12" x 36" Plantation Shutter.....	119.75	11.86
12 23 00 00-0004 PR 12" x 40" Plantation Shutter.....	133.52	12.45
12 23 00 00-0005 PR 12" x 44" Plantation Shutter.....	146.00	13.04
12 23 00 00-0006 PR 12" x 48" Plantation Shutter.....	158.50	13.63
12 23 00 00-0007 PR 12" x 52" Plantation Shutter.....	170.97	14.23
12 23 00 00-0008 PR 12" x 56" Plantation Shutter.....	183.46	14.82
12 23 00 00-0009 PR 12" x 60" Plantation Shutter.....	184.25	15.41
12 23 00 00-0010 PR 12" x 64" Plantation Shutter.....	208.42	16.00
12 23 00 00-0011 PR 12" x 68" Plantation Shutter.....	220.91	16.59
12 23 00 00-0012 PR 12" x 72" Plantation Shutter.....	233.40	17.19
12 23 00 00-0013 PR 12" x 76" Plantation Shutter.....	245.87	17.78
12 23 00 00-0014 PR 12" x 80" Plantation Shutter.....	258.36	18.37
12 23 00 00-0015 14" Wide (12 23 00 00-0001)		
12 23 00 00-0016 PR 14" x 36" Plantation Shutter.....	124.95	11.86
12 23 00 00-0017 PR 14" x 40" Plantation Shutter.....	138.73	12.45
12 23 00 00-0018 PR 14" x 44" Plantation Shutter.....	151.20	13.04
12 23 00 00-0019 PR 14" x 48" Plantation Shutter.....	163.69	13.63
12 23 00 00-0020 PR 14" x 52" Plantation Shutter.....	177.47	14.23
12 23 00 00-0021 PR 14" x 56" Plantation Shutter.....	189.96	14.82
12 23 00 00-0022 PR 14" x 60" Plantation Shutter.....	202.44	15.41
12 23 00 00-0023 PR 14" x 64" Plantation Shutter.....	216.21	16.00
12 23 00 00-0024 PR 14" x 68" Plantation Shutter.....	228.71	16.59
12 23 00 00-0025 PR 14" x 72" Plantation Shutter.....	241.19	17.19
12 23 00 00-0026 PR 14" x 76" Plantation Shutter.....	254.96	17.78
12 23 00 00-0027 PR 14" x 80" Plantation Shutter.....	267.46	18.37
12 23 00 00-0028 15" Wide (12 23 00 00-0001)		
12 23 00 00-0029 PR 15" x 36" Plantation Shutter.....	130.14	11.86
12 23 00 00-0030 PR 15" x 40" Plantation Shutter.....	143.92	12.45
12 23 00 00-0031 PR 15" x 44" Plantation Shutter.....	156.40	13.04
12 23 00 00-0032 PR 15" x 48" Plantation Shutter.....	168.89	13.63

12 Furnishings
12 20 Window Treatments
12 23 Interior Shutters



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 23 00 00-0033	PR	15" x 52" Plantation Shutter	182.66	14.23
12 23 00 00-0034	PR	15" x 56" Plantation Shutter	196.46	14.82
12 23 00 00-0035	PR	15" x 60" Plantation Shutter	210.24	15.41
12 23 00 00-0036	PR	15" x 64" Plantation Shutter	224.01	16.00
12 23 00 00-0037	PR	15" x 68" Plantation Shutter	237.80	16.59
12 23 00 00-0038	PR	15" x 72" Plantation Shutter	250.29	17.19
12 23 00 00-0039	PR	15" x 76" Plantation Shutter	264.06	17.78
12 23 00 00-0040	PR	15" x 80" Plantation Shutter	277.85	18.37
12 23 00 00-0041 16" Wide (12 23 00 00-0001)				
12 23 00 00-0042	PR	16" x 36" Plantation Shutter	137.94	11.86
12 23 00 00-0043	PR	16" x 40" Plantation Shutter	153.02	12.45
12 23 00 00-0044	PR	16" x 44" Plantation Shutter	166.79	13.04
12 23 00 00-0045	PR	16" x 48" Plantation Shutter	181.88	13.63
12 23 00 00-0046	PR	16" x 52" Plantation Shutter	195.66	14.23
12 23 00 00-0047	PR	16" x 56" Plantation Shutter	209.45	14.82
12 23 00 00-0048	PR	16" x 60" Plantation Shutter	223.23	15.41
12 23 00 00-0049	PR	16" x 64" Plantation Shutter	239.60	16.00
12 23 00 00-0050	PR	16" x 68" Plantation Shutter	253.39	16.59
12 23 00 00-0051	PR	16" x 72" Plantation Shutter	267.18	17.19
12 23 00 00-0052	PR	16" x 76" Plantation Shutter	282.25	17.78
12 23 00 00-0053	PR	16" x 80" Plantation Shutter	296.04	18.37
12 23 00 00-0054 18" Wide (12 23 00 00-0001)				
12 23 00 00-0055	PR	18" x 36" Plantation Shutter	149.63	11.86
12 23 00 00-0056	PR	18" x 40" Plantation Shutter	164.71	12.45
12 23 00 00-0057	PR	18" x 44" Plantation Shutter	179.78	13.04
12 23 00 00-0058	PR	18" x 48" Plantation Shutter	196.18	13.63
12 23 00 00-0059	PR	18" x 52" Plantation Shutter	211.25	14.23
12 23 00 00-0060	PR	18" x 56" Plantation Shutter	227.64	14.82
12 23 00 00-0061	PR	18" x 60" Plantation Shutter	242.72	15.41
12 23 00 00-0062	PR	18" x 64" Plantation Shutter	257.79	16.00
12 23 00 00-0063	PR	18" x 68" Plantation Shutter	272.88	16.59
12 23 00 00-0064	PR	18" x 72" Plantation Shutter	289.26	17.19
12 23 00 00-0065	PR	18" x 76" Plantation Shutter	304.33	17.78
12 23 00 00-0066	PR	18" x 80" Plantation Shutter	320.73	18.37
12 23 00 00-0067 20" Wide (12 23 00 00-0001)				
12 23 00 00-0068	PR	20" x 36" Plantation Shutter	162.62	11.86
12 23 00 00-0069	PR	20" x 40" Plantation Shutter	180.30	12.45
12 23 00 00-0070	PR	20" x 44" Plantation Shutter	196.67	13.04
12 23 00 00-0071	PR	20" x 48" Plantation Shutter	213.06	13.63
12 23 00 00-0072	PR	20" x 52" Plantation Shutter	230.74	14.23
12 23 00 00-0073	PR	20" x 56" Plantation Shutter	247.13	14.82
12 23 00 00-0074	PR	20" x 60" Plantation Shutter	264.81	15.41
12 23 00 00-0075	PR	20" x 64" Plantation Shutter	281.18	16.00
12 23 00 00-0076	PR	20" x 68" Plantation Shutter	298.87	16.59
12 23 00 00-0077	PR	20" x 72" Plantation Shutter	315.25	17.19
12 23 00 00-0078	PR	20" x 76" Plantation Shutter	332.92	17.78
12 23 00 00-0079	PR	20" x 80" Plantation Shutter	349.31	18.37
12 23 00 00-0080 22" Wide (12 23 00 00-0001)				
12 23 00 00-0081	PR	22" x 36" Plantation Shutter	173.02	11.86
12 23 00 00-0082	PR	22" x 40" Plantation Shutter	192.00	12.45
12 23 00 00-0083	PR	22" x 44" Plantation Shutter	209.67	13.04
12 23 00 00-0084	PR	22" x 48" Plantation Shutter	2176.21	13.63
12 23 00 00-0085	PR	22" x 52" Plantation Shutter	246.33	14.23
12 23 00 00-0086	PR	22" x 56" Plantation Shutter	264.02	14.82
12 23 00 00-0087	PR	22" x 60" Plantation Shutter	281.70	15.41
12 23 00 00-0088	PR	22" x 64" Plantation Shutter	300.67	16.00
12 23 00 00-0089	PR	22" x 68" Plantation Shutter	318.36	16.59
12 23 00 00-0090	PR	22" x 72" Plantation Shutter	337.33	17.19
12 23 00 00-0091	PR	22" x 76" Plantation Shutter	355.00	17.78
12 23 00 00-0092	PR	22" x 80" Plantation Shutter	373.99	18.37
12 23 00 00-0093 24" Wide (12 23 00 00-0001)				
12 23 00 00-0094	PR	24" x 36" Plantation Shutter	183.41	11.86
12 23 00 00-0095	PR	24" x 40" Plantation Shutter	203.69	12.45
12 23 00 00-0096	PR	24" x 44" Plantation Shutter	222.66	13.04
12 23 00 00-0097	PR	24" x 48" Plantation Shutter	242.95	13.63
12 23 00 00-0098	PR	24" x 52" Plantation Shutter	261.92	14.23
12 23 00 00-0099	PR	24" x 56" Plantation Shutter	280.91	14.82
12 23 00 00-0100	PR	24" x 60" Plantation Shutter	299.89	15.41
12 23 00 00-0101	PR	24" x 64" Plantation Shutter	320.15	16.00
12 23 00 00-0102	PR	24" x 68" Plantation Shutter	339.14	16.59
12 23 00 00-0103	PR	24" x 72" Plantation Shutter	359.42	17.19
12 23 00 00-0104	PR	24" x 76" Plantation Shutter	378.39	17.78
12 23 00 00-0105	PR	24" x 80" Plantation Shutter	398.68	18.37



Furnishings	12
Window Treatments	12 20
Interior Shutters	12 23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 24 Window Shades (12 20)

12 24 13 Roller Window Shades (12 24)

12 24 13 00-0001			Roller Window Shades (12 24 13)		
12 24 13 00-0002			Vinyl Coated Fiberglass, Roller Window Shades (12 24 13 00-0001) Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003	SF		0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades.....	11.33	0.23
12 24 13 00-0004	SF		1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	11.33	0.23
12 24 13 00-0005			Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades (12 24 13 00-0001) Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006	SF		0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades.....	14.66	0.23
12 24 13 00-0007			Vinyl Coated Polyester, Roller Window Shades (12 24 13 00-0001) Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008	SF		1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	11.33	0.23
12 24 13 00-0009			Motorized Lightproof Shades (12 24 13)		
12 24 13 00-0010	SF		Motorized Lightproof Shades, Up To 144" Width.....	18.16	0.83

12 30 Casework (12)

12 31 Manufactured Metal Casework (12 30)

12 31 16 Manufactured Metal Sandwich Panel Casework (12 31)

12 31 16 00-0001			Stainless Steel Cabinets (12 31 16)		
12 31 16 00-0002			Stainless Steel Base Cabinets (12 31 16 00-0001)		
12 31 16 00-0003			18" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0004	EA		18" Stainless Steel Base Cabinet, No Doors Or Drawers	1,379.47	88.68
			For >5 To 9, Deduct	-63.11	
			For >9, Deduct	-126.22	
12 31 16 00-0005	EA		18" Stainless Steel Base Cabinet, With 4 Drawers	2,400.46	88.68
			For >5 To 9, Deduct	-116.71	
			For >9, Deduct	-233.42	
12 31 16 00-0006	EA		18" Stainless Steel Base Cabinet, With 3 Drawers	2,207.81	88.68
			For >5 To 9, Deduct	-106.60	
			For >9, Deduct	-213.19	
12 31 16 00-0007	EA		18" Stainless Steel Base Cabinet, With 2 Drawers	2,015.16	88.68
			For >5 To 9, Deduct	-96.48	
			For >9, Deduct	-192.96	
12 31 16 00-0008	EA		18" Stainless Steel Base Cabinet, With Doors And Drawers	1,949.78	88.68
			For >5 To 9, Deduct	-93.05	
			For >9, Deduct	-186.10	
12 31 16 00-0009			24" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0010	EA		24" Stainless Steel Base Cabinet, With Doors And Locks	2,087.03	95.85
			For >5 To 9, Deduct	-99.50	
			For >9, Deduct	-199.00	
12 31 16 00-0011	EA		24" Stainless Steel Base Cabinet, With Door, No Locks.....	1,851.95	95.85
			For >5 To 9, Deduct	-87.16	
			For >9, Deduct	-174.31	
12 31 16 00-0012	EA		24" Stainless Steel Base Cabinet, With Two Doors, No Locks.....	1,903.41	95.85
			For >5 To 9, Deduct	-89.86	
			For >9, Deduct	-179.72	
12 31 16 00-0013	EA		24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,142.67	95.85
			For >5 To 9, Deduct	-102.42	
			For >9, Deduct	-204.84	
12 31 16 00-0014	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	2,868.07	95.85
			For >5 To 9, Deduct	-140.50	
			For >9, Deduct	-281.01	
12 31 16 00-0015	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks.....	3,178.96	95.85
			For >5 To 9, Deduct	-156.82	
			For >9, Deduct	-313.65	
12 31 16 00-0016			30" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0017	EA		30" Stainless Steel Base Cabinet, No Doors, No Drawers	1,789.22	101.00
			For >5 To 9, Deduct	-83.33	
			For >9, Deduct	-166.67	
12 31 16 00-0018	EA		30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	2,732.32	101.00
			For >5 To 9, Deduct	-132.85	
			For >9, Deduct	-265.69	

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0019	EA		30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks.....	3,599.61	101.00
			<i>For >5 To 9, Deduct</i>	-178.38	
			<i>For >9, Deduct</i>	-356.76	
12 31 16 00-0020	EA		30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks.....	3,288.72	101.00
			<i>For >5 To 9, Deduct</i>	-162.06	
			<i>For >9, Deduct</i>	-324.11	
12 31 16 00-0021	EA		30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer.....	3,096.07	101.00
			<i>For >5 To 9, Deduct</i>	-151.94	
			<i>For >9, Deduct</i>	-303.89	
12 31 16 00-0022	EA		30" Stainless Steel Base Cabinet, With Doors, No Locks.....	2,314.33	101.00
			<i>For >5 To 9, Deduct</i>	-110.90	
			<i>For >9, Deduct</i>	-221.80	
12 31 16 00-0023	EA		30" Stainless Steel Base Cabinet, With Doors And Locks.....	2,290.68	101.00
			<i>For >5 To 9, Deduct</i>	-109.66	
			<i>For >9, Deduct</i>	-219.32	
12 31 16 00-0024			36" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0025	EA		36" Stainless Steel Base Cabinet, No Doors, No Drawers.....	1,995.13	105.01
			<i>For >5 To 9, Deduct</i>	-93.71	
			<i>For >9, Deduct</i>	-187.41	
12 31 16 00-0026	EA		36" Stainless Steel Base Cabinet, With Doors And Locks.....	2,497.28	105.01
			<i>For >5 To 9, Deduct</i>	-120.07	
			<i>For >9, Deduct</i>	-240.14	
12 31 16 00-0027	EA		36" Stainless Steel Base Cabinet, With Door, No Lock.....	2,312.28	105.01
			<i>For >5 To 9, Deduct</i>	-110.36	
			<i>For >9, Deduct</i>	-220.72	
12 31 16 00-0028	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	3,803.43	105.01
			<i>For >5 To 9, Deduct</i>	-188.64	
			<i>For >9, Deduct</i>	-377.29	
12 31 16 00-0029	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks.....	3,493.24	105.01
			<i>For >5 To 9, Deduct</i>	-172.36	
			<i>For >9, Deduct</i>	-344.72	
12 31 16 00-0030			42" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0031	EA		42" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,090.76	111.60
			<i>For >5 To 9, Deduct</i>	-98.05	
			<i>For >9, Deduct</i>	-196.09	
12 31 16 00-0032	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	4,009.64	111.60
			<i>For >5 To 9, Deduct</i>	-198.79	
			<i>For >9, Deduct</i>	-397.57	
12 31 16 00-0033	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock.....	3,698.75	111.60
			<i>For >5 To 9, Deduct</i>	-182.47	
			<i>For >9, Deduct</i>	-364.93	
12 31 16 00-0034	EA		42" Stainless Steel Base Cabinet, No Doors, 2 Drawers.....	3,376.74	111.60
			<i>For >5 To 9, Deduct</i>	-165.56	
			<i>For >9, Deduct</i>	-331.12	
12 31 16 00-0035	EA		42" Stainless Steel Base Cabinet, With Doors, No Lock.....	2,519.18	111.60
			<i>For >5 To 9, Deduct</i>	-120.54	
			<i>For >9, Deduct</i>	-241.08	
12 31 16 00-0036	EA		42" Stainless Steel Base Cabinet, With Doors And Lock.....	2,701.40	111.60
			<i>For >5 To 9, Deduct</i>	-130.10	
			<i>For >9, Deduct</i>	-260.21	
12 31 16 00-0037			48" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0038	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	4,213.71	114.18
			<i>For >5 To 9, Deduct</i>	-209.24	
			<i>For >9, Deduct</i>	-418.48	
12 31 16 00-0039	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock.....	3,903.52	114.18
			<i>For >5 To 9, Deduct</i>	-192.95	
			<i>For >9, Deduct</i>	-385.91	
12 31 16 00-0040	EA		48" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,294.83	114.18
			<i>For >5 To 9, Deduct</i>	-108.50	
			<i>For >9, Deduct</i>	-217.00	
12 31 16 00-0041	EA		48" Stainless Steel Base Cabinet, No Doors, 2 Drawers.....	3,581.50	114.18
			<i>For >5 To 9, Deduct</i>	-176.05	
			<i>For >9, Deduct</i>	-352.10	
12 31 16 00-0042	EA		48" Stainless Steel Base Cabinet, With Doors, And Lock.....	2,907.57	114.18
			<i>For >5 To 9, Deduct</i>	-140.67	
			<i>For >9, Deduct</i>	-281.33	
12 31 16 00-0043	EA		48" Stainless Steel Base Cabinet, With Doors, No Locks.....	2,857.49	114.18
			<i>For >5 To 9, Deduct</i>	-138.04	
			<i>For >9, Deduct</i>	-276.08	
12 31 16 00-0044			60" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0045	EA		24" Deep x 60" Wide Stainless Steel Sink Base Cabinet.....	2,813.81	117.66
			<i>For >5 To 9, Deduct</i>	-135.38	
			<i>For >9, Deduct</i>	-270.75	
12 31 16 00-0046			Stainless Steel Wall Cabinets (12 31 16 00-0001)		
12 31 16 00-0047			12" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		



Furnishings	12
Casework	12 30
Manufactured Metal Casework	12 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0048	EA		12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,169.25 -57.84 -115.68	33.76
12 31 16 00-0049	EA		12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,158.49 -57.06 -114.12	35.81
12 31 16 00-0050			18" Wide Stainless Steel Wall Cabinets <small>(12 31 16 00-0046)</small>		
12 31 16 00-0051	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,223.09 -60.40 -120.80	36.30
12 31 16 00-0052	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,147.28 -56.42 -112.84	36.30
12 31 16 00-0053	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,354.73 -66.98 -133.95	39.49
12 31 16 00-0054	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,308.13 -64.53 -129.06	39.49
12 31 16 00-0055			24" Wide Stainless Steel Wall Cabinets <small>(12 31 16 00-0046)</small>		
12 31 16 00-0056	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	986.70 -47.58 -95.17	40.18
12 31 16 00-0057	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,383.13 -68.40 -136.79	40.18
12 31 16 00-0058	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,308.02 -64.45 -128.91	40.18
12 31 16 00-0059	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,302.87 -64.46 -128.91	37.52
12 31 16 00-0060	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,222.89 -60.26 -120.51	37.52
12 31 16 00-0061	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,597.76 -79.94 -159.88	37.52
12 31 16 00-0062	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	901.56 -43.39 -86.78	37.52
12 31 16 00-0063	EA		24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	847.61 -40.74 -81.48	35.81
12 31 16 00-0064			30" Wide Stainless Steel Wall Cabinets <small>(12 31 16 00-0046)</small>		
12 31 16 00-0065	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,822.27 -91.19 -182.37	42.68
12 31 16 00-0066	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,640.05 -81.62 -163.24	42.68
12 31 16 00-0067	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,060.70 -51.20 -102.41	42.68
12 31 16 00-0068	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,737.28 -87.08 -174.16	39.29
12 31 16 00-0069	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,555.06 -77.51 -155.03	39.29
12 31 16 00-0070	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	975.71 -47.10 -94.20	39.29
12 31 16 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	921.76 -44.46 -88.92	37.44
12 31 16 00-0072			36" Wide Stainless Steel Wall Cabinets <small>(12 31 16 00-0046)</small>		
12 31 16 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,896.50 -94.96 -189.91	43.91
12 31 16 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,710.11 -85.17 -170.34	43.91
12 31 16 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,134.93 -54.97 -109.95	43.91
12 31 16 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,811.56 -90.89 -181.78	40.18

12	Furnishings
12 30	Casework
12 31	Manufactured Metal Casework



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31	16 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,630.04 -81.36 -162.72	40.18
12 31	16 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,049.99 -50.91 -101.81	40.18
12 31	16 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	997.43 -48.35 -96.69	38.27
12 31	16 00-0080		42" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)		
12 31	16 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,960.05 -97.11 -194.21	55.25
12 31	16 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,973.08 -98.12 -196.23	52.14
12 31	16 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,788.07 -88.40 -176.80	52.14
12 31	16 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,210.11 -58.06 -116.12	52.14
12 31	16 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,876.34 -93.91 -187.82	43.79
12 31	16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,692.73 -84.27 -168.54	43.79
12 31	16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,114.77 -53.93 -107.86	43.79
12 31	16 00-0088		48" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)		
12 31	16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,701.84 -83.43 -166.87	55.25
12 31	16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,045.92 -101.82 -203.63	53.29
12 31	16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,863.70 -92.25 -184.50	53.29
12 31	16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,284.35 -61.83 -123.67	53.29
12 31	16 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,950.70 -97.77 -195.54	44.19
12 31	16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,769.17 -88.24 -176.48	44.19
12 31	16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,189.13 -57.79 -115.57	44.19
12 31	16 00-0096		Accessories (12 31 16 00-0001)		
12 31	16 00-0097		Stainless Steel Countertops (12 31 16 00-0096) Note: 16 gauge countertops without sinks.		
12 31	16 00-0098	SF	Stainless Steel Countertop With Marine Edge and Splash Note: 16 gauge.	104.67	2.25
12 31	16 00-0099	SF	Stainless Steel Countertop Without Marine Edge and With Splash Note: 16 gauge.	97.02	2.25
12 31	16 00-0100	SF	Stainless Steel Countertop Without Marine Edge or Splash Note: 16 gauge.	90.06	2.25
12 31	16 00-0101		Stainless Steel Wall Panels (12 31 16 00-0096)		
12 31	16 00-0102	SF	Stainless Steel Wall Panel, 20 Gauge	22.42	3.36
12 31	16 00-0103		Pedestal Legs (12 31 16 00-0096)		
12 31	16 00-0104	EA	Type #304 Stainless Steel Pedestal Leg	261.55	5.12
12 31	16 00-0105		Stainless Steel Slanted Cabinet Top Enclosure (12 31 16 00-0096)		
12 31	16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	274.19	9.72

12 36 Countertops (12 30)**12 36 23 Plastic Countertops** (12 36)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 36 23 13 Plastic-Laminate-Clad Countertops (12 36 23)

12 36 23 13-0001			Plastic Laminate Countertops (12 36 23 13) Note: Includes plywood, MDF, or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 23 13-0002	SF		Plastic Laminate Countertop Without Backsplash	11.52	3.89
12 36 23 13-0003	SF		Plastic Laminate Countertop With Backsplash	13.70	3.89
12 36 23 13-0004	LF		Plastic Laminate End Splash For Plastic Laminate Countertops	14.22	1.17
12 36 23 13-0005	EA		Cutout For Sink And/Or Faucet In Plastic Laminate Countertop.....	32.39	

12 36 61 Simulated Stone Countertops (12 36)

12 36 61 16 Solid Surfacing Countertops (12 36 61)

12 36 61 16-0001			Solid Polyester Countertops (12 36 61 16)		
12 36 61 16-0002			Solid Polyester Countertop And Backsplash, Group B Colors (12 36 61 16-0001) Note: May be used for wall applications.		
12 36 61 16-0003	SF		1/4" Solid Polyester (Corian) Backsplash, Group B Colors..... Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.	14.71	2.59
			For Group A Color Material, Deduct	-4.06	
			For Group C Color Material, Add	1.62	
			For Group D Color Material, Add	4.46	
12 36 61 16-0004	SF		1/2" Solid Polyester (Corian) Countertop, Group B Colors	29.43	3.89
			Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
			For Group A Color Material, Deduct	-8.11	
			For Group C Color Material, Add	3.24	
			For Group D Color Material, Add	8.92	
			For Each LF Of Half Round Edge, Add	8.00	
			For Each LF Of Ogee Or Full Round Edge, Add	12.00	
			For Each LF Of Machining A Cove At Backsplash, Add	10.00	
			For Each Sink, Range Or Vanity Cutout, Add	15.00	
			For 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	137.26	
			For 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	173.55	
			For 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	126.70	
			For 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	120.76	
			For 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	173.55	
			For 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	173.55	
			For 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	173.55	
			For 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	173.55	
			For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	156.39	
			Note: Single or double bowl.		
			For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	271.87	
			Note: Single or double bowl.		
			For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	364.25	
			Note: Single or double bowl.		
			For >3 SF Integral Single Basin Kitchen Sink, Add	394.61	
			Note: Single or double bowl.		
			For >3 SF Integral Double Basin Kitchen Sink, Add	394.61	

12 40 Furnishings And Accessories (12)

12 41 Office Accessories (12 40)

12 41 00 00-0001			Wall Mounted Office Accessories (12 41)		
12 41 00 00-0002	EA		Manual Pencil Sharpener, Wall Mounted.....	9.06	1.35
12 41 00 00-0003	EA		Wall Mounted Flag.....	8.63	1.35

12 48 Rugs And Mats (12 40)

12 48 13 Entrance Floor Mats And Frames (12 48)

12 48 13 13 Entrance Floor Mats (12 48 13)

12 48 13 13-0001			Floor Mats (12 48 13 13)		
12 48 13 13-0002	SF		3/8" Thick Solid Recessable Floor Mat	10.18	0.83
			For Colors, Add	1.71	
12 48 13 13-0003	SF		1/2" Thick Solid Recessable Floor Mat	12.80	0.83
			For Colors, Add	2.23	
12 48 13 13-0004	SF		3/8" Thick Perforated Recessable Floor Mat	10.83	0.83
			For Colors, Add	1.84	
12 48 13 13-0005	SF		1/2" Thick Perforated Recessable Floor Mat	13.46	0.83
			For Colors, Add	2.36	

12 48 13 13-0006 Link Mats (12 48 13 13)

			Note: Includes nosing.		
12 48 13 13-0007	SF		3/8" Link Mats, Aluminum	13.57	0.83
12 48 13 13-0008	SF		Black Rubber Link Mats With Galvanized Tie Rods.....	10.67	0.83
12 48 13 13-0009	SF		3/8" Thick, Galvanized Steel Link Mats.....	10.35	0.83
12 48 13 13-0010	SF		Vinyl Link Mats, Color	11.64	0.83
12 48 13 13-0011	LF		Rubber Nosing.....	3.13	0.36

12 Furnishings**12 40 Furnishings And Accessories****12 48 Rugs And Mats**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 48 13 13-0012	Duckboard	(12 48 13 13)			
12 48 13 13-0013	SF	Aluminum Slats	19.71		1.01
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base	10.73		1.01
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	12.01		1.01
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick	11.58		1.01
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	4.68		1.01
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom	6.78		1.01

12 48 13 16 Entrance Floor Mat Frames (12 48 13)

12 48 13 16-0001	Recessed Frames	(12 48 13 16)			
12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	8.73		1.55
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame	14.24		1.55

12 50 Furniture (12)**12 59 Systems Furniture** (12 50)**12 59 13 Panel-Hung Component System Furniture** (12 59)

12 59 13 00-0001	Open Office Systems Furniture Components	(12 59 13)			
Note: Excludes electrical wire and wiring devices.					
12 59 13 00-0002	EA	34H 24W Fabric Covered Panel - Component Systems Furniture	148.73		7.16
		For Tackable Acoustical Barrier Panel, Add	30.09		
		For Acoustical Panel, Add	32.71		
		For Enameled Surface, Deduct	-13.08		
12 59 13 00-0003	EA	34H 30W Fabric Covered Panel - Component Systems Furniture	165.30		7.97
		For Tackable Acoustical Barrier Panel, Add	33.45		
		For Acoustical Panel, Add	36.36		
		For Enameled Surface, Deduct	-14.54		
12 59 13 00-0004	EA	34H 36W Fabric Covered Panel - Component Systems Furniture	176.75		8.49
		For Tackable Acoustical Barrier Panel, Add	35.76		
		For Acoustical Panel, Add	38.87		
		For Enameled Surface, Deduct	-15.55		
12 59 13 00-0005	EA	34H 48W Fabric Covered Panel - Component Systems Furniture	198.05		9.53
		For Tackable Acoustical Barrier Panel, Add	40.07		
		For Acoustical Panel, Add	43.56		
		For Enameled Surface, Deduct	-17.42		
12 59 13 00-0006	EA	42H 24W Fabric Covered Panel - Component Systems Furniture	151.09		7.26
		For Tackable Acoustical Barrier Panel, Add	30.57		
		For Acoustical Panel, Add	33.23		
		For Enameled Surface, Deduct	-13.29		
12 59 13 00-0007	EA	42H 30W Fabric Covered Panel - Component Systems Furniture	170.82		8.20
		For Tackable Acoustical Barrier Panel, Add	34.56		
		For Acoustical Panel, Add	37.57		
		For Enameled Surface, Deduct	-15.03		
12 59 13 00-0008	EA	42H 36W Fabric Covered Panel - Component Systems Furniture	191.33		9.22
		For Tackable Acoustical Barrier Panel, Add	38.72		
		For Acoustical Panel, Add	42.08		
		For Enameled Surface, Deduct	-16.83		
12 59 13 00-0009	EA	42H 48W Fabric Covered Panel - Component Systems Furniture	224.88		10.80
		For Tackable Acoustical Barrier Panel, Add	45.50		
		For Acoustical Panel, Add	49.46		
		For Enameled Surface, Deduct	-19.78		
12 59 13 00-0010	EA	62H 12W Fabric Covered Panel - Component Systems Furniture	145.58		7.00
		For Tackable Acoustical Barrier Panel, Add	29.46		
		For Acoustical Panel, Add	32.02		
		For Enameled Surface, Deduct	-12.81		
12 59 13 00-0011	EA	62H 24W Fabric Covered Panel - Component Systems Furniture	179.11		8.62
		For Tackable Acoustical Barrier Panel, Add	36.24		
		For Acoustical Panel, Add	39.39		
		For Enameled Surface, Deduct	-15.76		
12 59 13 00-0012	EA	62H 36W Fabric Covered Panel - Component Systems Furniture	224.09		10.78
		For Tackable Acoustical Barrier Panel, Add	45.34		
		For Acoustical Panel, Add	49.29		
		For Enameled Surface, Deduct	-19.71		
12 59 13 00-0013	EA	62H 48W Fabric Covered Panel - Component Systems Furniture	268.26		12.89
		For Tackable Acoustical Barrier Panel, Add	54.28		
		For Acoustical Panel, Add	59.00		
		For Enameled Surface, Deduct	-23.60		
12 59 13 00-0014	EA	34" Draw Rod Panel Connector Hardware	8.13		0.39
12 59 13 00-0015	EA	42" Draw Rod Panel Connector Hardware	8.13		0.39
12 59 13 00-0016	EA	62" Draw Rod Panel Connector Hardware	8.66		0.41
12 59 13 00-0017	EA	34" Two-Way 90 Degree Panel Connector Hardware	37.37		1.80
12 59 13 00-0018	EA	42" Two-Way 90 Degree Panel Connector Hardware	43.32		2.09
12 59 13 00-0019	EA	62" Two-Way 90 Degree Panel Connector Hardware	49.82		2.40
12 59 13 00-0020	EA	34" Three-Way 90 Degree Panel Connector Hardware	57.94		2.78
12 59 13 00-0021	EA	42" Three-Way 90 Degree Panel Connector Hardware	67.15		3.23
12 59 13 00-0022	EA	62" Three-Way 90 Degree Panel Connector Hardware	77.98		3.75
12 59 13 00-0023	EA	34" Four-Way 90 Degree Panel Connector Hardware	73.10		3.52
12 59 13 00-0024	EA	42" Four-Way 90 Degree Panel Connector Hardware	85.56		4.11
12 59 13 00-0025	EA	62" Four-Way 90 Degree Panel Connector Hardware	102.88		4.94
12 59 13 00-0026	EA	34" Panel End Cap Hardware	12.46		0.59
12 59 13 00-0027	EA	42" Panel End Cap Hardware	14.08		0.68
12 59 13 00-0028	EA	62" Panel End Cap Hardware	15.17		0.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0029 EA 28" Variable Height Panel End Filler.....	13.74	0.68
Note: Field cut to appropriate length.		
12 59 13 00-0030 EA Two-Way Trim Cover For Cable Management Raceway.....	7.07	0.34
12 59 13 00-0031 EA Three-Way Trim Cover For Cable Management Raceway.....	7.46	0.36
12 59 13 00-0032 EA Four-Way Trim Cover For Cable Management Raceway.....	8.63	0.41
12 59 13 00-0033 EA Finished End Trim Cover For Cable Management Raceway.....	7.07	0.34
12 59 13 00-0034 EA 12" Cable Management Raceway Assembly.....	14.52	0.71
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0035 EA 24" Cable Management Raceway Assembly.....	16.50	0.78
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0036 EA 30" Cable Management Raceway Assembly.....	16.88	0.81
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0037 EA 36" Cable Management Raceway Assembly.....	18.85	0.91
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0038 EA 48" Cable Management Raceway Assembly.....	21.20	1.02
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0039 EA 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	114.01	5.47
12 59 13 00-0040 EA 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	140.45	6.75
12 59 13 00-0041 EA 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	132.56	6.37
12 59 13 00-0042 EA 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	165.70	7.97
12 59 13 00-0043 EA 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	167.27	8.05
12 59 13 00-0044 EA 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	210.67	10.15
12 59 13 00-0045 EA 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	203.17	9.76
12 59 13 00-0046 EA 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	255.24	12.26
12 59 13 00-0047 EA 30" x 60" Radiused Edge Table.....	453.42	21.81
12 59 13 00-0048 EA 30" x 72" Radiused Edge Table.....	495.47	23.85
12 59 13 00-0049 EA 14" x 24" Radiused Edge Transaction Surface.....	54.44	2.63
12 59 13 00-0050 EA 14" x 36" Radiused Edge Transaction Surface.....	61.93	2.96
12 59 13 00-0051 EA 14" x 48" Radiused Edge Transaction Surface.....	69.44	3.33
12 59 13 00-0052 EA 14" x 60" Radiused Edge Transaction Surface.....	86.39	4.16
12 59 13 00-0053 EA 14" x 72" Radiused Edge Transaction Surface.....	103.75	5.00
12 59 13 00-0054 EA 14" Right Angle Corner Transaction Surface.....	181.48	8.72
12 59 13 00-0055 EA Transaction Surface Support.....	14.38	0.69
12 59 13 00-0056 EA Plastic Pencil Drawer.....	15.91	0.68
12 59 13 00-0057 EA 15-1/2" x 24" Hanging Shelf.....	53.00	2.55
12 59 13 00-0058 EA 15-1/2" x 36" Hanging Shelf.....	57.71	2.76
12 59 13 00-0059 EA 15-1/2" x 48" Hanging Shelf.....	61.64	2.96
12 59 13 00-0060 EA 24" Flipper Door - Top And Front Closure.....	91.47	4.40
Note: Used with hanging shelf.		
12 59 13 00-0061 EA 36" Flipper Door - Top And Front Closure.....	106.78	5.15
Note: Used with hanging shelf.		
12 59 13 00-0062 EA 48" Flipper Door - Top And Front Closure.....	122.49	5.88
Note: Used with hanging shelf.		
12 59 13 00-0063 EA 24" Suspended Lateral File, Lockable.....	315.63	15.09
12 59 13 00-0064 EA 30" Suspended Lateral File, Lockable.....	333.36	15.93
12 59 13 00-0065 EA 36" Suspended Lateral File, Lockable.....	351.75	16.81
12 59 13 00-0066 EA 48" Suspended Lateral File, Lockable.....	384.71	18.38
12 59 13 00-0067 EA Fully Adjustable Vinyl Keyboard Tray.....	142.90	6.88
12 59 13 00-0068 EA Palm Rest For Vinyl Keyboard Tray.....	22.37	1.09
12 59 13 00-0069 EA 24" x 36" Radiused Edge Corner Work Surface.....	180.55	8.69
12 59 13 00-0070 EA File Drawer Organizer.....	58.11	2.78
12 59 13 00-0071 EA Suspended Lateral File Converter Bracket.....	12.56	0.59
12 59 13 00-0072 EA Utility Task Light.....	62.81	3.02

12 59 13 00-0073 Disassemble And Store Systems Furniture Components (12 59 13)

12 59 13 00-0074 EA Disassemble And Store 34H 24W Fabric Covered Panel.....	8.94	
12 59 13 00-0075 EA Disassemble And Store 34H 30W Fabric Covered Panel.....	9.94	
12 59 13 00-0076 EA Disassemble And Store 34H 36W Fabric Covered Panel.....	10.63	
12 59 13 00-0077 EA Disassemble And Store 34H 48W Fabric Covered Panel.....	11.91	
12 59 13 00-0078 EA Disassemble And Store 42H 24W Fabric Covered Panel.....	9.09	
12 59 13 00-0079 EA Disassemble And Store 42H 30W Fabric Covered Panel.....	10.28	
12 59 13 00-0080 EA Disassemble And Store 42H 36W Fabric Covered Panel.....	11.51	
12 59 13 00-0081 EA Disassemble And Store 42H 48W Fabric Covered Panel.....	13.52	
12 59 13 00-0082 EA Disassemble And Store 62H 12W Fabric Covered Panel.....	8.75	
12 59 13 00-0083 EA Disassemble And Store 62H 24W Fabric Covered Panel.....	10.77	
12 59 13 00-0084 EA Disassemble And Store 62H 36W Fabric Covered Panel.....	13.48	
12 59 13 00-0085 EA Disassemble And Store 62H 48W Fabric Covered Panel.....	16.14	
12 59 13 00-0086 EA Disassemble And Store 34" Draw Rod Panel Connector Hardware.....	0.48	
12 59 13 00-0087 EA Disassemble And Store 42" Draw Rod Panel Connector Hardware.....	0.48	
12 59 13 00-0088 EA Disassemble And Store 62" Draw Rod Panel Connector Hardware.....	0.52	
12 59 13 00-0089 EA Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware.....	2.25	
12 59 13 00-0090 EA Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware.....	2.60	
12 59 13 00-0091 EA Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware.....	3.00	
12 59 13 00-0092 EA Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware.....	3.49	
12 59 13 00-0093 EA Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware.....	4.04	
12 59 13 00-0094 EA Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware.....	4.69	
12 59 13 00-0095 EA Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware.....	4.40	
12 59 13 00-0096 EA Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware.....	5.14	
12 59 13 00-0097 EA Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware.....	6.19	
12 59 13 00-0098 EA Disassemble And Store 34" Panel End Cap Hardware.....	0.75	
12 59 13 00-0099 EA Disassemble And Store 42" Panel End Cap Hardware.....	0.85	
12 59 13 00-0100 EA Disassemble And Store 62" Panel End Cap Hardware.....	0.91	
12 59 13 00-0101 EA Disassemble And Store Variable Height Panel End Filler.....	0.83	
12 59 13 00-0102 EA Disassemble And Store Two-Way Trim Cover For Cable Management Raceway.....	0.42	

12 Furnishings

12 50 Furniture

12 59 Systems Furniture



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 59 13 00-0103	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	0.44
12 59 13 00-0104	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	0.52
12 59 13 00-0105	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway	0.42
12 59 13 00-0106	EA	Disassemble And Store 12" Cable Management Raceway Assembly	0.88
12 59 13 00-0107	EA	Disassemble And Store 24" Cable Management Raceway Assembly	0.99
12 59 13 00-0108	EA	Disassemble And Store 30" Cable Management Raceway Assembly	1.02
12 59 13 00-0109	EA	Disassemble And Store 36" Cable Management Raceway Assembly	1.13
12 59 13 00-0110	EA	Disassemble And Store 48" Cable Management Raceway Assembly	1.27
12 59 13 00-0111	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	6.86
12 59 13 00-0112	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	8.45
12 59 13 00-0113	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	7.98
12 59 13 00-0114	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	9.96
12 59 13 00-0115	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	10.06
12 59 13 00-0116	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	12.68
12 59 13 00-0117	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	12.22
12 59 13 00-0118	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	15.36
12 59 13 00-0119	EA	Disassemble And Store 30" x 60" Radiused Edge Table	23.71
12 59 13 00-0120	EA	Disassemble And Store 30" x 72" Radiused Edge Table	29.80
12 59 13 00-0121	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	3.28
12 59 13 00-0122	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	3.72
12 59 13 00-0123	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	4.17
12 59 13 00-0124	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	5.19
12 59 13 00-0125	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	6.24
12 59 13 00-0126	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface	10.92
12 59 13 00-0127	EA	Disassemble And Store Transaction Surface Support	0.86
12 59 13 00-0128	EA	Disassemble And Store Plastic Pencil Drawer	0.85
12 59 13 00-0129	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf	3.19
12 59 13 00-0130	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf	3.47
12 59 13 00-0131	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf	3.71
12 59 13 00-0132	EA	Disassemble And Store 24" Flipper Door And Shelf	5.51
12 59 13 00-0133	EA	Disassemble And Store 36" Flipper Door And Shelf	6.42
12 59 13 00-0134	EA	Disassemble And Store 48" Flipper Door And Shelf	7.37
12 59 13 00-0135	EA	Disassemble And Store 24" Suspended Lateral File	18.86
12 59 13 00-0136	EA	Disassemble And Store 30" Suspended Lateral File	19.92
12 59 13 00-0137	EA	Disassemble And Store 36" Suspended Lateral File	21.02
12 59 13 00-0138	EA	Disassemble And Store 48" Suspended Lateral File	22.98
12 59 13 00-0139	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	8.59
12 59 13 00-0140	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	10.86
12 59 13 00-0141	EA	Disassemble And Store Utility Task Light	3.78

12 59 13 00-0142 Reconfigure Systems Furniture Components (12 59 13)

12 59 13 00-0143	EA	Reconfigure 34H 24W Fabric Covered Panel	9.54
12 59 13 00-0144	EA	Reconfigure 34H 30W Fabric Covered Panel	10.60
12 59 13 00-0145	EA	Reconfigure 34H 36W Fabric Covered Panel	11.33
12 59 13 00-0146	EA	Reconfigure 34H 48W Fabric Covered Panel	12.71
12 59 13 00-0147	EA	Reconfigure 42H 24W Fabric Covered Panel	9.69
12 59 13 00-0148	EA	Reconfigure 42H 30W Fabric Covered Panel	10.95
12 59 13 00-0149	EA	Reconfigure 42H 36W Fabric Covered Panel	12.27
12 59 13 00-0150	EA	Reconfigure 42H 48W Fabric Covered Panel	14.42
12 59 13 00-0151	EA	Reconfigure 62H 12W Fabric Covered Panel	9.34
12 59 13 00-0152	EA	Reconfigure 62H 24W Fabric Covered Panel	11.49
12 59 13 00-0153	EA	Reconfigure 62H 36W Fabric Covered Panel	14.37
12 59 13 00-0154	EA	Reconfigure 62H 48W Fabric Covered Panel	17.20
12 59 13 00-0155	EA	Reconfigure 34" Draw Rod Panel Connector Hardware	0.52
12 59 13 00-0156	EA	Reconfigure 42" Draw Rod Panel Connector Hardware	0.52
12 59 13 00-0157	EA	Reconfigure 62" Draw Rod Panel Connector Hardware	0.55
12 59 13 00-0158	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	2.40
12 59 13 00-0159	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	2.78
12 59 13 00-0160	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	3.20
12 59 13 00-0161	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware	3.71
12 59 13 00-0162	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware	4.31
12 59 13 00-0163	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware	5.00
12 59 13 00-0164	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	4.69
12 59 13 00-0165	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	5.49
12 59 13 00-0166	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	6.60
12 59 13 00-0167	EA	Reconfigure 34" Panel End Cap Hardware	0.80
12 59 13 00-0168	EA	Reconfigure 42" Panel End Cap Hardware	0.91
12 59 13 00-0169	EA	Reconfigure 62" Panel End Cap Hardware	0.97
12 59 13 00-0170	EA	Reconfigure Variable Height Panel End Filler	0.88
12 59 13 00-0171	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	0.45
12 59 13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	0.47
12 59 13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	0.55
12 59 13 00-0174	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway	0.45
12 59 13 00-0175	EA	Reconfigure 12" Cable Management Raceway Assembly	0.93
12 59 13 00-0176	EA	Reconfigure 24" Cable Management Raceway Assembly	1.06
12 59 13 00-0177	EA	Reconfigure 30" Cable Management Raceway Assembly	1.08
12 59 13 00-0178	EA	Reconfigure 36" Cable Management Raceway Assembly	1.21
12 59 13 00-0179	EA	Reconfigure 48" Cable Management Raceway Assembly	1.36
12 59 13 00-0180	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface	7.31
12 59 13 00-0181	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface	9.01
12 59 13 00-0182	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface	8.50
12 59 13 00-0183	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface	10.63
12 59 13 00-0184	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface	10.73
12 59 13 00-0185	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface	13.51



Furnishings	12	12
Furniture	12 50	
Systems Furniture	12 59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59	13 00-0186	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	13.03	
12 59	13 00-0187	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	16.37	
12 59	13 00-0188	EA	Reconfigure 30" x 60" Radiused Edge Table.....	29.08	
12 59	13 00-0189	EA	Reconfigure 30" x 72" Radiused Edge Table.....	31.78	
12 59	13 00-0190	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface.....	3.49	
12 59	13 00-0191	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface.....	3.97	
12 59	13 00-0192	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface.....	4.46	
12 59	13 00-0193	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface.....	5.54	
12 59	13 00-0194	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface.....	6.66	
12 59	13 00-0195	EA	Reconfigure 14" Right Angle Corner Transaction Surface.....	11.64	
12 59	13 00-0196	EA	Reconfigure Transaction Surface Support.....	0.92	
12 59	13 00-0197	EA	Reconfigure 15-1/2" x 24" Hanging Shelf.....	3.40	
12 59	13 00-0198	EA	Reconfigure 15-1/2" x 36" Hanging Shelf.....	3.70	
12 59	13 00-0199	EA	Reconfigure 15-1/2" x 48" Hanging Shelf.....	3.95	
12 59	13 00-0200	EA	Reconfigure 24" Flipper Door And Shelf.....	5.87	
12 59	13 00-0201	EA	Reconfigure 36" Flipper Door And Shelf.....	6.85	
12 59	13 00-0202	EA	Reconfigure 48" Flipper Door And Shelf.....	7.86	
12 59	13 00-0203	EA	Reconfigure 24" Suspended Lateral File.....	20.12	
12 59	13 00-0204	EA	Reconfigure 30" Suspended Lateral File.....	21.25	
12 59	13 00-0205	EA	Reconfigure 36" Suspended Lateral File.....	22.42	
12 59	13 00-0206	EA	Reconfigure 48" Suspended Lateral File.....	24.52	
12 59	13 00-0207	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface.....	11.58	

12 60 Multiple Seating ⁽¹²⁾

12 61 Fixed Audience Seating ^(12 60)

See CSI section 12 01 60 00-0001 for seat repairs.

12 61 13 Upholstered Audience Seating ^(12 61)

12 61 13 00-0001 Fixed Back Upholstered Audience Seating ^(12 61 13)

12 61 13 00-0002	EA	31" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Marquee 51.12.10.4).....	386.32	16.16
		Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved wood armrests. Powdered coated steel chair platform.		
		For <25, Add	94.82	
		For >100, Deduct	-56.96	
		For Table Arm Attachment, Add	49.41	
		For Aisle Panel, Add	94.96	
		For Epoxy Anchoring, Add	11.49	

12 61 13 00-0003	EA	36" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Saturn 22.12.00.4).....	507.28	16.16
		Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved polymer armrests. Powdered coated steel chair platform.		
		For <25, Add	127.48	
		For >100, Deduct	-76.58	
		For Table Arm Attachment, Add	49.41	
		For Aisle Panel, Add	94.96	
		For Epoxy Anchoring, Add	11.49	

12 61 16 Molded-Plastic Audience Seating ^(12 61)

12 61 16 00-0001 Fixed Back Molded-Plastic Audience Seating ^(12 61 16)

12 61 16 00-0002	EA	Fixed Back Molded-Plastic Audience Seating (Irwin Patriot 30.52.36.30).....	273.51	16.16
		Note: Impact resistant textured polypropylene seat and back. Laminate surfaced armrests. Powder coated steel chair platform.		
		For <25, Add	64.36	
		For >100, Deduct	-38.67	
		For Table Arm Attachment, Add	49.41	
		For Aisle Panel, Add	94.96	
		For Epoxy Anchoring, Add	11.49	

12 61 19 Plywood/Hardwood Audience Seating ^(12 61)

12 61 19 00-0001 Fixed Back Plywood/Hardwood Audience Seating ^(12 61 19)

12 61 19 00-0002	EA	Fixed Back Plywood/Hardwood Audience Seating (Irwin Crusader 1.14.86.4).....	429.72	16.16
		Note: Stained hardwood armrests, veneered plywood seat, and veneered plywood back. Powder coated steel chair platform.		
		For <25, Add	106.54	
		For >100, Deduct	-64.00	
		For Table Arm Attachment, Add	49.41	
		For Aisle Panel, Add	94.96	
		For Epoxy Anchoring, Add	11.49	

12 62 Portable-Audience Seating ^(12 60)

12 62 23 Portable Bleachers ^(12 62)

12 62 23 00-0001 Metal Bleachers, Outdoor, Portable ^(12 62 23)

Note: Average seating is 18".

12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher ^(12 62 23 00-0001)

12 62 23 00-0003	SEA	2 To 5 Rows, Non Elevated Portable Aluminum Bleacher Price Per Seat.....	48.05	1.97
		For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	165.00	
		For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	335.00	

12 Furnishings**12 60 Multiple Seating****12 62 Portable-Audience Seating**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 62 23 00-0004	Non-Elevated Portable Aluminum Bleacher <small>(12 62 23 00-0001)</small>		
	Note: Includes side and back fence.		
12 62 23 00-0005	SEA 5 Rows, Non Elevated Portable Aluminum Bleacher	62.46	1.97
	Note: Including side and back fence.		
	<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	
12 62 23 00-0006	SEA 6 To 10 Rows, Non Elevated Portable Aluminum Bleacher	71.02	2.07
	Note: Including side and back fence.		
	<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	
12 62 23 00-0007	SEA 11 To 15 Rows, Non Elevated Portable Aluminum Bleacher	74.13	2.17
	Note: Including side and back fence.		
	<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	
12 62 23 00-0008	Non-Elevated Portable Aluminum Bleacher <small>(12 62 23 00-0001)</small>		
	Note: Includes side and back fence and center aisle with rails.		
12 62 23 00-0009	SEA 5 Rows, Non Elevated Portable Aluminum Bleacher	96.65	2.21
	Note: Including side and back fence and center aisle with hand rails.		
	<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	
12 62 23 00-0010	SEA 6 To 10 Rows, Non Elevated Portable Aluminum Bleacher	110.29	2.33
	Note: Including side and back fence and center aisle with hand rails.		
	<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	
12 62 23 00-0011	SEA 11 To 15 Rows, Non Elevated Portable Aluminum Bleacher	119.56	2.47
	Note: Including side and back fence and center aisle with hand rails.		
	<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	

12 66 Telescoping Stands (12 60)

12 66 00 00-0001	Wall Mounted Telescoping Bleachers <small>(12 66)</small>		
	Note: Includes column cut-outs, manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats.		
12 66 00 00-0002	SEA 3 To 10 Tier Telescoping Bleacher, 24" Row Spacing	171.54	7.58
	<i>For Aluminum Seating And Walks, Add</i>	68.44	
	<i>For 10" Flat Plastic Seat Modules, Add</i>	15.00	
	<i>For 10" Curved Plastic Seat Modules, Add</i>	18.75	
	<i>For 14" Curved Plastic Seat Module, Add</i>	22.50	
	<i>For >200 To 300, Deduct</i>	-4.00	
	<i>For >300 To 400, Deduct</i>	-8.00	
	<i>For >400 To 500, Deduct</i>	-12.00	
	<i>For >500, Deduct</i>	-16.00	
12 66 00 00-0003	SEA 3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing	196.96	9.88
	<i>For Aluminum Seating And Walks, Add</i>	79.18	
	<i>For 10" Flat Plastic Seat Modules, Add</i>	15.00	
	<i>For 10" Curved Plastic Seat Modules, Add</i>	18.75	
	<i>For 14" Curved Plastic Seat Module, Add</i>	22.50	
	<i>For >200 To 300, Deduct</i>	-4.00	
	<i>For >300 To 400, Deduct</i>	-8.00	
	<i>For >400 To 500, Deduct</i>	-12.00	
	<i>For >500, Deduct</i>	-16.00	
12 66 00 00-0004	SEA 3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing	224.99	10.19
	<i>For Aluminum Seating And Walks, Add</i>	91.09	
	<i>For 10" Flat Plastic Seat Modules, Add</i>	15.00	
	<i>For 10" Curved Plastic Seat Modules, Add</i>	18.75	
	<i>For 14" Curved Plastic Seat Module, Add</i>	22.50	
	<i>For >200 To 300, Deduct</i>	-4.00	
	<i>For >300 To 400, Deduct</i>	-8.00	
	<i>For >400 To 500, Deduct</i>	-12.00	
	<i>For >500, Deduct</i>	-16.00	
12 66 00 00-0005	SEA 3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing	245.30	10.42
	<i>For Aluminum Seating And Walks, Add</i>	99.53	
	<i>For 10" Flat Plastic Seat Modules, Add</i>	15.00	
	<i>For 10" Curved Plastic Seat Modules, Add</i>	18.75	
	<i>For 14" Curved Plastic Seat Module, Add</i>	22.50	
	<i>For >200 To 300, Deduct</i>	-4.00	
	<i>For >300 To 400, Deduct</i>	-8.00	
	<i>For >400 To 500, Deduct</i>	-12.00	
	<i>For >500, Deduct</i>	-16.00	
12 66 00 00-0006	SEA 11 To 20 Tier Telescoping Bleacher, 24" Row Spacing	177.21	7.58
	<i>For Aluminum Seating And Walks, Add</i>	70.99	
	<i>For 10" Flat Plastic Seat Modules, Add</i>	15.00	
	<i>For 10" Curved Plastic Seat Modules, Add</i>	18.75	
	<i>For 14" Curved Plastic Seat Module, Add</i>	22.50	
	<i>For >200 To 300, Deduct</i>	-4.00	
	<i>For >300 To 400, Deduct</i>	-8.00	
	<i>For >400 To 500, Deduct</i>	-12.00	
	<i>For >500, Deduct</i>	-16.00	



Furnishings	12
Multiple Seating	12 60
Telescoping Stands	12 66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 00 00-0007	SEA		11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For >200 To 300, Deduct</i> <i>For >300 To 400, Deduct</i> <i>For >400 To 500, Deduct</i> <i>For >500, Deduct</i>	208.18 84.23 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	9.88
12 66 00 00-0008	SEA		11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For >200 To 300, Deduct</i> <i>For >300 To 400, Deduct</i> <i>For >400 To 500, Deduct</i> <i>For >500, Deduct</i>	240.19 97.93 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	10.19
12 66 00 00-0009	SEA		11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For >200 To 300, Deduct</i> <i>For >300 To 400, Deduct</i> <i>For >400 To 500, Deduct</i> <i>For >500, Deduct</i>	264.66 108.24 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	10.42
12 66 00 00-0010	SEA		21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For >200 To 300, Deduct</i> <i>For >300 To 400, Deduct</i> <i>For >400 To 500, Deduct</i> <i>For >500, Deduct</i>	182.92 73.56 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	7.58
12 66 00 00-0011	SEA		21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For >200 To 300, Deduct</i> <i>For >300 To 400, Deduct</i> <i>For >400 To 500, Deduct</i> <i>For >500, Deduct</i>	219.39 89.27 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	9.88
12 66 00 00-0012	SEA		21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For >200 To 300, Deduct</i> <i>For >300 To 400, Deduct</i> <i>For >400 To 500, Deduct</i> <i>For >500, Deduct</i>	255.55 104.85 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	10.19
12 66 00 00-0013	SEA		21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For >200 To 300, Deduct</i> <i>For >300 To 400, Deduct</i> <i>For >400 To 500, Deduct</i> <i>For >500, Deduct</i>	292.85 116.91 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	10.42
12 66 00 00-0014			Portable Telescoping Bleachers ^(12 66) Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats.		
12 66 00 00-0015	SEA		3 To 10 Tier Portable Bleacher, 24" Row Spacing <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For >200 To 300, Deduct</i> <i>For >300 To 400, Deduct</i> <i>For >400 To 500, Deduct</i> <i>For >500, Deduct</i>	193.86 78.48 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	7.58
12 66 00 00-0016	SEA		3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For >200 To 300, Deduct</i> <i>For >300 To 400, Deduct</i> <i>For >400 To 500, Deduct</i> <i>For >500, Deduct</i>	223.35 91.05 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	9.88

12	Furnishings
12 60	Multiple Seating
12 66	Telescoping Stands



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 00 00-0017	SEA		3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing	255.36	10.19
			For Aluminum Seating And Walks, Add	104.76	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 00 00-0018	SEA		3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing	278.47	10.42
			For Aluminum Seating And Walks, Add	114.46	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 00 00-0019			Options And Accessories ^(12 66)		
12 66 00 00-0020	EA		Removable Center Railing, Single Sphere.....	150.79	1.36
12 66 00 00-0021	LF		Removable Center Railing, Single Rail.....	47.17	1.36
12 66 00 00-0022	EA		Self Storing Side Railing	167.17	1.55
12 66 00 00-0023	LF		Rear Railing, Horizontal Or Vertical Rails.....	117.09	1.82
12 66 00 00-0024	SF		Rear Panel, Plywood With Metal Frame, Trim And Finish	8.90	0.39
12 66 00 00-0025	SF		End Panel, Plywood With Metal Frame, Trim And Finish.....	25.64	0.39
12 66 00 00-0026	SF		Rear Filler Panel	38.28	0.19
12 66 00 00-0027	EA		4' Scorer/Timer Table.....	302.86	6.61
12 66 00 00-0028	EA		8' Scorer/Timer Table.....	385.52	10.12
12 66 00 00-0029	EA		Portable Tractor For Wall Mounted Units.....	7,685.04	
12 66 00 00-0030	PR		Portable Dolly For Portable Units.....	8,620.28	
12 66 00 00-0031	SEA		For Each Additional Floor Above Or Below First Floor, Add For Installation.....	2.36	
12 66 00 00-0032	SEA		For Each Additional Floor Above Or Below First Floor, Add For Demolition	1.18	
12 66 00 00-0033	ROW		48" Aisle, 24" - 26" Row, With Non Slip Tread.....	109.19	11.67
			For Intermediate Steps, Add	10.92	
12 66 00 00-0034	ROW		48" Aisle, 28" - 33" Row, With Non Slip Tread.....	335.76	15.56
			For Intermediate Steps, Add	33.58	
12 66 00 00-0035	ROW		Aisle Filler Panel, 24" - 26" Row, With Non Slip Tread	99.32	4.87
12 66 00 00-0036	ROW		Aisle Filler Panel, 28" - 33" Row, With Non Slip Tread	68.76	4.87
12 66 00 00-0037	EA		Single Handicap Cutout Seating With Railing.....	475.66	14.59
12 66 00 00-0038	EA		Double Handicap Cutout Seating With Railing.....	999.23	21.39
12 66 00 00-0039	EA		Portable Operator's Handle.....	295.21	

END OF SECTION 12



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 Special Construction

13 10 Special Facility Components ⁽¹³⁾

13 11 Swimming Pools ^(13 10)

13 11 46 Swimming Pool Accessories ^(13 11)

See CSI section 22 51 19 00-0039 for diatomite type filter system.

13 11 46 00-0001 Diving Stand ^(13 11 46)

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment.....	15,371.32	972.44
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment.....	18,498.02	972.44
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment.....	9,385.91	388.97
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment.....	11,774.08	388.97
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails.....	3,414.48	180.49

13 11 46 00-0007 Diving Boards ^(13 11 46)

13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards.....	1,980.23	143.92
		<i>For Wheel Adjuster, Add</i>	89.39	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards.....	1,540.02	143.92
		<i>For Wheel Adjuster, Add</i>	89.39	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board.....	858.56	119.41
		<i>For Wheel Adjuster, Add</i>	86.66	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board.....	1,119.84	127.59
		<i>For Wheel Adjuster, Add</i>	87.56	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board.....	1,375.57	136.14
		<i>For Wheel Adjuster, Add</i>	88.51	

13 11 46 00-0013 Heavy Duty Ladders ^(13 11 46)

13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment.....	822.81	55.62
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment.....	1,338.98	55.62
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment.....	943.00	64.18
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment.....	1,653.12	64.18

13 11 46 00-0018 Lifeguard Chair ^(13 11 46)

13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment.....	1,954.88	143.92
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment.....	2,990.45	143.92
13 11 46 00-0021	EA	Lifeguard Stand, Complete With Two Windows, Painted.....	288.13	143.92

13 11 46 00-0022 Underwater Lights ^(13 11 46)

13 11 46 00-0023	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment.....	273.05	63.97
13 11 46 00-0024	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment.....	266.38	63.97

13 11 46 00-0025 Pool Covers ^(13 11 46)

Note: Includes cover straps and tension springs.

13 11 46 00-0026	SF	Pool Covers, Reinforced Polyethylene.....	4.35	1.83
13 11 46 00-0027	SF	Pool Cover, Vinyl Water Tube.....	4.58	1.83

13 11 46 00-0028 Slides With Water Tube ^(13 11 46)

13 11 46 00-0029	EA	Swim Pool Slide.....	1,644.84	218.79
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13 11 46 00-0030 Curved Slides With Water Tube ^(13 11 46)

13 11 46 00-0031	EA	8 Ft Curved With Continuous Flowing Water.....	1,084.83	297.68
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13 12 Fountains ^(13 10)

13 12 13 Exterior Fountains ^(13 12)

13 12 13 00-0001 Fountains/Aerators ^(13 12 13)

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord.....	2,123.70	65.79
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord.....	2,369.20	67.23
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord.....	2,397.43	68.86
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord.....	2,522.46	70.49
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord.....	2,647.90	72.29
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord.....	5,990.35	74.10
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord.....	6,890.30	76.08
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord.....	7,669.31	78.08
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord.....	9,779.08	80.24
13 12 13 00-0011	EA	Aerator Nozzle.....	421.24	36.15

13 30 Special Structures ⁽¹³⁾



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 Fabricated Engineered Structures ^(13 30)

13 34 13 Glazed Structures ^(13 34)

13 34 13 13 Greenhouses ^(13 34 13)

13 34 13 13-0001 Free Standing Green Houses ^(13 34 13 13)

Note: Complete includes doors, operable venting, structure. Excludes mechanical heaters, electrical, concrete foundations.

13 34 13 13-0002	SF	Up To 100 SF, Greenhouse	58.64	
13 34 13 13-0003	SF	>100 To 500 SF, Greenhouse	51.17	
13 34 13 13-0004	SF	>500 To 2,000 SF, Greenhouse	46.05	
13 34 13 13-0005	SF	>2,000 To 5,000 SF, Greenhouse	40.66	
13 34 13 13-0006	SF	>5,000 SF, Greenhouse	35.99	

13 34 16 Grandstands And Bleachers ^(13 34)

13 34 16 13 Grandstands ^(13 34 16)

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame ^(13 34 16 13)

13 34 16 13-0002 3 To 15 Tiers ^(13 34 16 13-0001)

13 34 16 13-0003	SEA	3-15 Tier Permanent Grandstand Price Per Seat	55.38	3.94
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13 34 16 13-0004 16 To 30 Tiers ^(13 34 16 13-0001)

13 34 16 13-0005	SEA	16-30 Tier Permanent Grandstand Price Per Seat	90.64	4.44
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13 34 19 Metal Building Systems ^(13 34)

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings ^(13 34 19)

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0002)

13 34 19 00-0004	GSF	10' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.92	3.52
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For 30' To 49' In Length Only, Add	3.09	
For 50' To 69' In Length Only, Add	1.69	
For 70' To 99' In Length Only, Add	0.69	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.00	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.49	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.94	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.39	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.78	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.78	
For Each SF Of 24 Gauge Wall Panel, Add	0.63	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.49	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0005	GSF	12' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.00	3.87
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For 30' To 49' In Length Only, Add	3.18	
For 50' To 69' In Length Only, Add	1.74	
For 70' To 99' In Length Only, Add	0.72	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.58	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.05	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.52	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.99	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.04	
For Each SF Of 24 Gauge Wall Panel, Add	0.66	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006	GSF		14' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	22.17	4.27
			For 30' To 49' In Length Only, Add	3.27	
			For 50' To 69' In Length Only, Add	1.78	
			For 70' To 99' In Length Only, Add	0.74	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.11	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.66	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.16	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.66	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.21	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.32	
			For Each SF Of 24 Gauge Wall Panel, Add	0.69	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.57	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0007	GSF		16' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	23.60	4.67
			For 30' To 49' In Length Only, Add	3.42	
			For 50' To 69' In Length Only, Add	1.87	
			For 70' To 99' In Length Only, Add	0.77	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.18	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.77	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.30	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.83	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.48	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.66	
			For Each SF Of 24 Gauge Wall Panel, Add	0.73	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.61	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0008	GSF		18' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.13	5.07
			For 30' To 49' In Length Only, Add	3.60	
			For 50' To 69' In Length Only, Add	1.96	
			For 70' To 99' In Length Only, Add	0.81	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.75	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.26	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.88	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.45	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.02	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.77	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.03	
			For Each SF Of 24 Gauge Wall Panel, Add	0.78	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.66	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0009	GSF		20' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.61	5.44
			For 30' To 49' In Length Only, Add	3.77	
			For 50' To 69' In Length Only, Add	2.06	
			For 70' To 99' In Length Only, Add	0.85	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.80	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.33	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.00	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.59	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.19	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.06	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.39	
			For Each SF Of 24 Gauge Wall Panel, Add	0.82	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.70	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0010	GSF		24' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	29.54	6.25
			For 30' To 49' In Length Only, Add	4.10	
			For 50' To 69' In Length Only, Add	2.24	
			For 70' To 99' In Length Only, Add	0.92	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.89	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.48	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.22	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.88	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.54	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.61	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.09	
			For Each SF Of 24 Gauge Wall Panel, Add	0.91	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.78	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0011			>30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0002)</small>		

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0012	GSF	10' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	17.62	2.80
			For 30' To 49' In Length Only, Add	2.88	
			For 50' To 69' In Length Only, Add	1.57	
			For 70' To 99' In Length Only, Add	0.65	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.88	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.32	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.72	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.11	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.35	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.23	
			For Each SF Of 24 Gauge Wall Panel, Add	0.56	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.41	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0013	GSF	12' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	18.52	3.06
			For 30' To 49' In Length Only, Add	2.97	
			For 50' To 69' In Length Only, Add	1.62	
			For 70' To 99' In Length Only, Add	0.67	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.39	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.81	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.22	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.52	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.44	
			For Each SF Of 24 Gauge Wall Panel, Add	0.59	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.44	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0014	GSF	14' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	19.26	3.31
			For 30' To 49' In Length Only, Add	3.03	
			For 50' To 69' In Length Only, Add	1.65	
			For 70' To 99' In Length Only, Add	0.68	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.96	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.44	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.88	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.31	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.66	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.62	
			For Each SF Of 24 Gauge Wall Panel, Add	0.61	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.46	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0015	GSF	16' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	20.50	3.61
			For 30' To 49' In Length Only, Add	3.19	
			For 50' To 69' In Length Only, Add	1.74	
			For 70' To 99' In Length Only, Add	0.72	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.03	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.54	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.00	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.46	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.90	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.92	
			For Each SF Of 24 Gauge Wall Panel, Add	0.65	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.50	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0016	GSF	18' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	22.33	3.87
			For 30' To 49' In Length Only, Add	3.50	
			For 50' To 69' In Length Only, Add	1.91	
			For 70' To 99' In Length Only, Add	0.79	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.67	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.12	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.67	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.18	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.68	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.24	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.36	
			For Each SF Of 24 Gauge Wall Panel, Add	0.70	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.53	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017 GSF 20' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	23.82	4.13
For 30' To 49' In Length Only, Add	3.72	
For 50' To 69' In Length Only, Add	2.03	
For 70' To 99' In Length Only, Add	0.84	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.19	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.79	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.32	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.86	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.53	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.72	
For Each SF Of 24 Gauge Wall Panel, Add	0.75	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.56	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0018 GSF 24' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.72	4.67
For 30' To 49' In Length Only, Add	3.93	
For 50' To 69' In Length Only, Add	2.15	
For 70' To 99' In Length Only, Add	0.88	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.77	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.29	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.93	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.51	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.09	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.89	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.17	
For Each SF Of 24 Gauge Wall Panel, Add	0.81	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.61	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0019 >50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
(13 34 19 00-0002)		
13 34 19 00-0020 GSF 10' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	13.98	1.73
For 30' To 49' In Length Only, Add	2.52	
For 50' To 69' In Length Only, Add	1.38	
For 70' To 99' In Length Only, Add	0.57	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.05	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.36	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.68	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.66	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.36	
For Each SF Of 24 Gauge Wall Panel, Add	0.45	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.29	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021 GSF 12' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	14.53	1.84
For 30' To 49' In Length Only, Add	2.60	
For 50' To 69' In Length Only, Add	1.42	
For 70' To 99' In Length Only, Add	0.59	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.09	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.42	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.74	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.76	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.49	
For Each SF Of 24 Gauge Wall Panel, Add	0.47	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.30	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0022 GSF 14' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.05	1.94
For 30' To 49' In Length Only, Add	2.68	
For 50' To 69' In Length Only, Add	1.46	
For 70' To 99' In Length Only, Add	0.60	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.13	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.47	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.81	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.86	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.61	
For Each SF Of 24 Gauge Wall Panel, Add	0.49	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.31	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0023	GSF 16' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.90	2.06
	For 30' To 49' In Length Only, Add	2.83	
	For 50' To 69' In Length Only, Add	1.54	
	For 70' To 99' In Length Only, Add	0.64	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.80	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.19	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.55	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.91	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.02	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.82	
	For Each SF Of 24 Gauge Wall Panel, Add	0.52	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.33	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0024	GSF 18' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	16.53	2.17
	For 30' To 49' In Length Only, Add	2.93	
	For 50' To 69' In Length Only, Add	1.60	
	For 70' To 99' In Length Only, Add	0.66	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.24	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.61	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.98	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.14	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.97	
	For Each SF Of 24 Gauge Wall Panel, Add	0.54	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.34	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0025	GSF 20' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	17.08	2.27
	For 30' To 49' In Length Only, Add	3.01	
	For 50' To 69' In Length Only, Add	1.64	
	For 70' To 99' In Length Only, Add	0.68	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.28	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.67	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.05	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.25	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.10	
	For Each SF Of 24 Gauge Wall Panel, Add	0.55	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.35	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026	GSF 24' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	18.69	2.48
	For 30' To 49' In Length Only, Add	3.30	
	For 50' To 69' In Length Only, Add	1.80	
	For 70' To 99' In Length Only, Add	0.74	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.40	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.82	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.55	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.49	
	For Each SF Of 24 Gauge Wall Panel, Add	0.60	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.37	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0027 Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0028 Up To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)

13 34 19 00-0029	GSF 10' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	18.01	2.80
	For 30' To 49' In Length Only, Add	2.98	
	For 50' To 69' In Length Only, Add	1.62	
	For 70' To 99' In Length Only, Add	0.67	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.35	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.76	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.16	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.42	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.32	
	For Each SF Of 24 Gauge Wall Panel, Add	0.57	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.41	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030 GSF 12' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	19.20	3.06
For 30' To 49' In Length Only, Add	3.14	
For 50' To 69' In Length Only, Add	1.71	
For 70' To 99' In Length Only, Add	0.71	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.96	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.44	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.87	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.30	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.65	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.61	
For Each SF Of 24 Gauge Wall Panel, Add	0.61	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0031 GSF 14' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.38	3.31
For 30' To 49' In Length Only, Add	3.30	
For 50' To 69' In Length Only, Add	1.80	
For 70' To 99' In Length Only, Add	0.74	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.02	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.53	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.99	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.45	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.87	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.89	
For Each SF Of 24 Gauge Wall Panel, Add	0.65	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.46	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0032 GSF 16' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.98	3.61
For 30' To 49' In Length Only, Add	3.54	
For 50' To 69' In Length Only, Add	1.93	
For 70' To 99' In Length Only, Add	0.80	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.66	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.10	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.65	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.14	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.18	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.28	
For Each SF Of 24 Gauge Wall Panel, Add	0.70	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.50	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0033 GSF 18' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.33	3.89
For 30' To 49' In Length Only, Add	3.73	
For 50' To 69' In Length Only, Add	2.04	
For 70' To 99' In Length Only, Add	0.84	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.70	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.17	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.75	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.27	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.80	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.43	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.60	
For Each SF Of 24 Gauge Wall Panel, Add	0.74	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0034 GSF 20' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	24.65	4.17
For 30' To 49' In Length Only, Add	3.92	
For 50' To 69' In Length Only, Add	2.14	
For 70' To 99' In Length Only, Add	0.88	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.74	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.23	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.85	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.40	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.96	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.68	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.92	
For Each SF Of 24 Gauge Wall Panel, Add	0.78	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.56	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0035	GSF 24' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	27.39	4.75
	For 30' To 49' In Length Only, Add	4.29	
	For 50' To 69' In Length Only, Add	2.34	
	For 70' To 99' In Length Only, Add	0.97	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.82	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.37	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.05	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.67	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.29	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.20	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.57	
	For Each SF Of 24 Gauge Wall Panel, Add	0.86	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.62	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0036 >30' To 40' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings
(13 34 19 00-0027)

13 34 19 00-0037	GSF 10' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	16.35	2.48
	For 30' To 49' In Length Only, Add	2.73	
	For 50' To 69' In Length Only, Add	1.49	
	For 70' To 99' In Length Only, Add	0.62	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.23	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.59	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.96	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.11	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.92	
	For Each SF Of 24 Gauge Wall Panel, Add	0.52	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.37	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0038	GSF 12' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	17.29	2.71
	For 30' To 49' In Length Only, Add	2.85	
	For 50' To 69' In Length Only, Add	1.55	
	For 70' To 99' In Length Only, Add	0.64	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.86	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.30	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.69	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.07	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.29	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.15	
	For Each SF Of 24 Gauge Wall Panel, Add	0.55	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.40	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0039	GSF 14' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	18.20	2.94
	For 30' To 49' In Length Only, Add	2.96	
	For 50' To 69' In Length Only, Add	1.61	
	For 70' To 99' In Length Only, Add	0.67	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.91	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.37	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.77	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.18	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.46	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.37	
	For Each SF Of 24 Gauge Wall Panel, Add	0.58	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.42	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0040	GSF 16' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	19.28	3.15
	For 30' To 49' In Length Only, Add	3.12	
	For 50' To 69' In Length Only, Add	1.70	
	For 70' To 99' In Length Only, Add	0.70	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.96	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.45	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.88	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.31	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.66	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.63	
	For Each SF Of 24 Gauge Wall Panel, Add	0.61	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.45	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041 GSF 18' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.33	3.37
For 30' To 49' In Length Only, Add	3.26	
For 50' To 69' In Length Only, Add	1.78	
For 70' To 99' In Length Only, Add	0.73	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.02	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.52	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.98	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.44	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.86	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.88	
For Each SF Of 24 Gauge Wall Panel, Add	0.64	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.47	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0042 GSF 20' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.38	3.61
For 30' To 49' In Length Only, Add	3.40	
For 50' To 69' In Length Only, Add	1.86	
For 70' To 99' In Length Only, Add	0.77	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.07	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.60	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.08	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.06	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.13	
For Each SF Of 24 Gauge Wall Panel, Add	0.68	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.50	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0043 GSF 24' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.72	4.11
For 30' To 49' In Length Only, Add	3.72	
For 50' To 69' In Length Only, Add	2.03	
For 70' To 99' In Length Only, Add	0.84	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.19	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.78	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.31	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.85	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.51	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.69	
For Each SF Of 24 Gauge Wall Panel, Add	0.75	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.55	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0044 >40' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0045 GSF 10' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	14.78	1.94
For 30' To 49' In Length Only, Add	2.61	
For 50' To 69' In Length Only, Add	1.43	
For 70' To 99' In Length Only, Add	0.59	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.11	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.44	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.77	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.81	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.55	
For Each SF Of 24 Gauge Wall Panel, Add	0.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.31	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0046 GSF 12' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	15.51	2.08
For 30' To 49' In Length Only, Add	2.72	
For 50' To 69' In Length Only, Add	1.49	
For 70' To 99' In Length Only, Add	0.61	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.78	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.16	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.51	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.86	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.95	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.72	
For Each SF Of 24 Gauge Wall Panel, Add	0.50	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.33	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0047	GSF 14' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	16.20	2.21
	For 30' To 49' In Length Only, Add	2.82	
	For 50' To 69' In Length Only, Add	1.54	
	For 70' To 99' In Length Only, Add	0.64	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.22	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.58	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.94	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.08	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.89	
	For Each SF Of 24 Gauge Wall Panel, Add	0.52	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.34	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0048	GSF 16' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	16.96	2.35
	For 30' To 49' In Length Only, Add	2.94	
	For 50' To 69' In Length Only, Add	1.61	
	For 70' To 99' In Length Only, Add	0.66	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.27	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.65	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.04	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.22	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.07	
	For Each SF Of 24 Gauge Wall Panel, Add	0.55	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.36	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0049	GSF 18' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	17.97	2.51
	For 30' To 49' In Length Only, Add	3.11	
	For 50' To 69' In Length Only, Add	1.70	
	For 70' To 99' In Length Only, Add	0.70	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.35	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.75	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.16	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.41	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.31	
	For Each SF Of 24 Gauge Wall Panel, Add	0.58	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.38	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0050	GSF 20' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	18.90	2.65
	For 30' To 49' In Length Only, Add	3.27	
	For 50' To 69' In Length Only, Add	1.78	
	For 70' To 99' In Length Only, Add	0.74	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.42	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.84	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.27	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.59	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.54	
	For Each SF Of 24 Gauge Wall Panel, Add	0.61	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.39	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0051	GSF 24' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.95	3.01
	For 30' To 49' In Length Only, Add	3.59	
	For 50' To 69' In Length Only, Add	1.96	
	For 70' To 99' In Length Only, Add	0.81	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.57	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.04	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.51	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.98	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.03	
	For Each SF Of 24 Gauge Wall Panel, Add	0.67	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.43	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings
(13 34 19 00-0052)



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0054 GSF 14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.77	2.29
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.11	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.44	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.77	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.81	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.54	
For Each SF Of 24 Gauge Wall Panel, Add	0.47	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.35	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0055 GSF 16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.76	2.46
For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.79	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.18	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.54	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.89	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.99	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.78	
For Each SF Of 24 Gauge Wall Panel, Add	0.50	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.37	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0056 GSF 18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.52	2.59
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.24	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.61	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.98	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.14	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.96	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.38	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0057 GSF 20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.63	2.40
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.25	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.62	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.00	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.16	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.99	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.36	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0058 GSF 24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.97	2.61
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.35	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.75	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.16	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.41	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.31	
For Each SF Of 24 Gauge Wall Panel, Add	0.58	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.39	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0059 >60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0060 GSF 14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	13.97	2.03
For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.05	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.36	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.68	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.65	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.35	
For Each SF Of 24 Gauge Wall Panel, Add	0.45	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.32	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0061 GSF 16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.85	2.17
For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.11	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.45	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.78	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.82	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.56	
For Each SF Of 24 Gauge Wall Panel, Add	0.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.34	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
13 34 19 00-0062	GSF	18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.62	2.29
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.47	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.78	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.17	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.52	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.87	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.97	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.75	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.50	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.35	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0063	GSF	20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.30	2.40
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.49	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.82	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.22	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.59	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.96	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.10	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.91	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.52	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.36	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0064	GSF	24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.61	2.61
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.53	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.88	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.32	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.72	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.11	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.35	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.23	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.56	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.39	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0065		>80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0062)</small>		
13 34 19 00-0066	GSF	14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	13.20	1.79
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.40	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.66	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.99	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.29	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.58	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.51	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.17	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.43	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.30	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0067	GSF	16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	13.84	1.87
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.42	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.69	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.04	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.35	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.66	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.63	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.32	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.45	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.31	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0068	GSF	18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.55	1.98
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.44	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.73	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.09	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.42	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.75	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.76	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.49	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.47	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.32	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0069	GSF	20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.19	2.06
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.46	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.76	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.14	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.48	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.82	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.89	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.65	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.49	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.33	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0070 GSF 24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.40	2.25
For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.23	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.60	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.97	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.12	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.94	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.35	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0071 >100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0072 GSF 14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	12.95	1.71
For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.97	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.55	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.46	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.11	
For Each SF Of 24 Gauge Wall Panel, Add	0.42	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.29	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0073 GSF 16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	13.44	1.79
For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.01	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.31	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.61	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.55	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.23	
For Each SF Of 24 Gauge Wall Panel, Add	0.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.30	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0074 GSF 18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.06	1.87
For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.05	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.37	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.69	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.67	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.37	
For Each SF Of 24 Gauge Wall Panel, Add	0.45	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.31	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0075 GSF 20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.65	1.94
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.10	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.43	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.76	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.78	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.52	
For Each SF Of 24 Gauge Wall Panel, Add	0.47	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.31	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0076 GSF 24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.89	2.11
For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.79	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.19	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.55	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.91	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.02	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.81	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.33	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0077 Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0078 Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)		

13 Special Construction
13 30 Special Structures
13 34 Fabricated Engineered Structures



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

13 34 19 00-0079	GSF 14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	12.59	1.79
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.63	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.94	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.23	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.51	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.39	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.02	
	For Each SF Of 24 Gauge Wall Panel, Add	0.40	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.30	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0080	GSF 16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	13.05	1.87
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.98	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.27	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.57	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.48	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.13	
	For Each SF Of 24 Gauge Wall Panel, Add	0.42	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.31	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0081	GSF 18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	13.28	1.81
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.66	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.00	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.29	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.59	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.52	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.19	
	For Each SF Of 24 Gauge Wall Panel, Add	0.43	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.30	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0082	GSF 20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	13.79	1.90
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.03	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.34	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.65	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.62	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.31	
	For Each SF Of 24 Gauge Wall Panel, Add	0.44	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.31	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0083	GSF 24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	15.76	2.03
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.79	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.18	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.54	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.89	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.99	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.78	
	For Each SF Of 24 Gauge Wall Panel, Add	0.51	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.32	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)

13 34 19 00-0085	GSF 14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	12.04	1.63
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.36	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.60	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.90	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.17	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.44	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.29	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.89	
	For Each SF Of 24 Gauge Wall Panel, Add	0.39	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.28	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0086	GSF 16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	12.47	1.69
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.37	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.62	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.94	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.22	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.50	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.37	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.99	
	For Each SF Of 24 Gauge Wall Panel, Add	0.40	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.28	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0087 GSF 18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding 12.93		1.74
For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.97	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.55	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.46	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.10	
For Each SF Of 24 Gauge Wall Panel, Add	0.42	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.29	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0088 GSF 20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding 13.38		1.81
For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.00	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.61	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.54	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.21	
For Each SF Of 24 Gauge Wall Panel, Add	0.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.30	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0089 GSF 24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding 15.33		1.94
For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.77	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.15	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.49	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.84	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.91	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.68	
For Each SF Of 24 Gauge Wall Panel, Add	0.50	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.31	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0001)		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building ^(13 34 19 00-0090)		
13 34 19 00-0092 GSF 14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 11.62		1.55
For >1 In 12 Slope To 3 In 12 Slope, Add	0.35	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.58	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.87	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.13	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.39	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.21	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.79	
For Each SF Of 24 Gauge Wall Panel, Add	0.38	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.27	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0093 GSF 16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 12.13		1.60
For >1 In 12 Slope To 3 In 12 Slope, Add	0.36	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.61	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.91	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.18	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.46	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.30	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.91	
For Each SF Of 24 Gauge Wall Panel, Add	0.39	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.28	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0094 GSF 18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 12.54		1.65
For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.63	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.94	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.22	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.50	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.38	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.01	
For Each SF Of 24 Gauge Wall Panel, Add	0.41	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.28	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0095 GSF 20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding 12.93		1.71
For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.97	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.55	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.46	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.10	
For Each SF Of 24 Gauge Wall Panel, Add	0.42	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.29	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

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13 34 19 00-0096	GSF 24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.81	1.87
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.11	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.44	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.78	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.81	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.55	
	For Each SF Of 24 Gauge Wall Panel, Add	0.48	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.31	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building (13 34 19 00-0090)

13 34 19 00-0098	GSF 14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.53	1.50
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.35	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.58	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.86	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.12	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.38	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.19	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.77	
	For Each SF Of 24 Gauge Wall Panel, Add	0.37	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.26	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0099	GSF 16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.95	1.55
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.36	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.60	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.90	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.17	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.43	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.27	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.87	
	For Each SF Of 24 Gauge Wall Panel, Add	0.39	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.27	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0100	GSF 18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.41	1.60
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.37	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.62	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.93	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.21	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.49	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.36	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.98	
	For Each SF Of 24 Gauge Wall Panel, Add	0.40	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.28	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0101	GSF 20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.82	1.65
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.64	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.96	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.25	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.54	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.44	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.08	
	For Each SF Of 24 Gauge Wall Panel, Add	0.42	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.28	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0102	GSF 24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.66	1.79
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.10	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.43	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.76	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.79	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.52	
	For Each SF Of 24 Gauge Wall Panel, Add	0.48	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.30	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0103 >180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0090)



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13 34 19 00-0104 GSF 14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	11.47	1.44
For >1 In 12 Slope To 3 In 12 Slope, Add	0.34	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.57	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.86	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.12	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.38	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.18	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.75	
For Each SF Of 24 Gauge Wall Panel, Add	0.37	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.26	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0105 GSF 16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	11.78	1.50
For >1 In 12 Slope To 3 In 12 Slope, Add	0.35	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.59	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.88	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.15	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.41	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.83	
For Each SF Of 24 Gauge Wall Panel, Add	0.38	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.26	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0106 GSF 18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	12.26	1.55
For >1 In 12 Slope To 3 In 12 Slope, Add	0.37	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.61	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.92	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.20	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.47	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.33	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.94	
For Each SF Of 24 Gauge Wall Panel, Add	0.40	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.27	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0107 GSF 20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	12.72	1.60
For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.64	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.95	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.24	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.53	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.42	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.05	
For Each SF Of 24 Gauge Wall Panel, Add	0.41	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.28	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0108 GSF 24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	14.57	1.73
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.09	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.42	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.75	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.77	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.50	
For Each SF Of 24 Gauge Wall Panel, Add	0.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.29	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0109 Metal Building Options <small>(13 34 19)</small>		
Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 23 00-0000 for door hardware.		
13 34 19 00-0110 Metal Framing For Rough Openings <small>(13 34 19 00-0109)</small>		
13 34 19 00-0111 EA Single Door, Metal Frame Rough Opening.....	239.65	59.80
13 34 19 00-0112 EA Double Door, Metal Frame Rough Opening.....	365.18	77.42
13 34 19 00-0113 EA 10' x 10' Overhead Door, Metal Frame Rough Opening.....	433.13	73.41
13 34 19 00-0114 EA 12' x 12' Overhead Door, Metal Frame Rough Opening.....	467.89	74.75
13 34 19 00-0115 EA 14' x 14' Overhead Door, Metal Frame Rough Opening.....	496.93	77.42
13 34 19 00-0116 EA Up To 12 SF, Window Opening, Metal Frame Rough Opening.....	230.41	59.80
13 34 19 00-0117 EA >12 To 18 SF, Window Opening, Metal Frame Rough Opening.....	258.72	67.96
13 34 19 00-0118 LF Additional Girts.....	6.04	
13 34 19 00-0119 Wall Panel Options For Metal Buildings <small>(13 34 19 00-0109)</small>		
Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120 SF Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	7.14	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0121 SF Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	8.38	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	

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13 34 19 00-0122	SF	Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	9.47	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
		For Premium Exterior Colors, Add	0.12	
13 34 19 00-0123	SF	Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile.....	10.65	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
		For Premium Exterior Colors, Add	0.12	
13 34 19 00-0124 Roofing Options For Metal Buildings (13 34 19 00-0109)				
		Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125	SF	Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	0.84	
13 34 19 00-0126	SF	Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42	10.66	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
		For Premium Exterior Colors, Add	0.12	
13 34 19 00-0127	SF	Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42	11.45	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
		For Premium Exterior Colors, Add	0.12	
13 34 19 00-0128	SF	Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42	12.09	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
		For Premium Exterior Colors, Add	0.12	
13 34 19 00-0129	EA	3' x 10' Translucent Fiberglass Panels.....	108.48	22.96
13 34 19 00-0130	LF	Vented Ridge Vent For Standing Seam Roof	21.27	
13 34 19 00-0131 Insulation For Metal Buildings (13 34 19 00-0109)				
13 34 19 00-0132	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	0.58	0.13
13 34 19 00-0133	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	0.65	0.13
13 34 19 00-0134	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	0.75	0.17
13 34 19 00-0135	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	0.88	0.17
13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.15	0.17
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	0.74	0.13
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	0.82	0.13
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	0.88	0.17
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	0.98	0.17
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.20	0.17
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	0.69	0.13
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	0.78	0.13
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	0.94	0.17
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.05	0.17
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.24	0.17
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	0.63	0.13
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	0.67	0.13
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	0.76	0.17
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	0.97	0.17
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	0.64	0.13
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	0.69	0.13
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	0.78	0.17
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.00	0.17
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	0.91	0.13
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	0.98	0.13
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.07	0.17
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.29	0.17
13 34 19 00-0159 Eave And Overhang Options For Metal Buildings (13 34 19 00-0109)				
13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit	21.71	4.17
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit	32.93	2.99
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy.....	47.99	6.67
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	11.33	
		For Overhead Braced (Up To 10' Wall Projection), Add	6.53	
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy.....	40.08	5.61
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	9.46	
		For Overhead Braced (Up To 10' Wall Projection), Add	5.45	
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy.....	30.16	4.80
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	7.06	
		For Overhead Braced (Up To 10' Wall Projection), Add	4.04	
13 34 19 00-0165	SF	Up To 20 SF, Heavy Duty, 140 MPH Winds, Prefinished Aluminum, Wall Hung Canopy.....	53.76	6.67
		Note: Up to 7' projection from wall. Includes finished underside and edges. 16 gauge internal frame, 1/2" or 3/4" support rods, 24 gauge soffit.		
		For End Braced (Up To 16' Wall Projection), Add	12.77	
		For Overhead Braced (Up To 10' Wall Projection), Add	7.40	
13 34 19 00-0166	SF	>20 To 50 SF, Heavy Duty, 140 MPH Winds, Prefinished Aluminum, Wall Hung Canopy	45.85	5.61
		Note: Up to 7' projection from wall. Includes finished underside and edges. 16 gauge internal frame, 1/2" or 3/4" support rods, 24 gauge soffit.		
		For End Braced (Up To 16' Wall Projection), Add	10.90	
		For Overhead Braced (Up To 10' Wall Projection), Add	6.32	



Special Construction		13
Special Structures		13 30
Fabricated Engineered Structures		13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0167 SF >50 SF, Heavy Duty, 140 MPH Winds, Prefinished Aluminum, Wall Hung Canopy 34.27 4.80 Note: Up to 7' projection from wall. Includes finished underside and edges. 16 gauge internal frame, 1/2" or 3/4" support rods, 24 gauge soffit. For End Braced (Up To 16' Wall Projection), Add 8.09 For Overhead Braced (Up To 10' Wall Projection), Add 4.66		
13 34 19 00-0168 SF Up To 50 SF, Prefinished Aluminum, Free Standing Canopy 57.74 10.14 Note: Includes finished underside and edges.		
13 34 19 00-0169 SF >50 SF, Prefinished Aluminum, Free Standing Canopy 39.08 6.14 Note: Includes finished underside and edges.		
13 34 19 00-0170 LF 1' Standard Eave Overhang Without Soffit 22.95		
13 34 19 00-0171 LF 2' Standard Eave Overhang Without Soffit 28.76		
13 34 19 00-0172 LF 3' Standard Eave Overhang Without Soffit 34.64		
13 34 19 00-0173 LF 4' Standard Eave Overhang Without Soffit 40.44		
13 34 19 00-0174 LF 6' Standard Eave Overhang Without Soffit 52.11		
13 34 19 00-0175 LF 1' Standard Eave Overhang And 26 Gauge Soffit 30.82 For 24 Gauge, Add 3.60		
13 34 19 00-0176 LF 2' Standard Eave Overhang And 26 Gauge Soffit 38.58 For 24 Gauge, Add 4.54		
13 34 19 00-0177 LF 3' Standard Eave Overhang And 26 Gauge Soffit 46.38 For 24 Gauge, Add 5.44		
13 34 19 00-0178 LF 4' Standard Eave Overhang And 26 Gauge Soffit 54.18 For 24 Gauge, Add 6.33		
13 34 19 00-0179 LF 6' Standard Eave Overhang And 26 Gauge Soffit 69.36 For 24 Gauge, Add 8.16		
13 34 19 00-0180 Louvers And Vents For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0181 EA 4' x 3' Fixed Louver 352.43 83.28		
13 34 19 00-0182 EA 12" Rotary Vent With Damper 212.46 53.38		
13 34 19 00-0183 EA 20" Rotary Vent With Damper 386.59 71.27		
13 34 19 00-0184 EA 24" Rotary Vent With Damper 519.77 80.09		
13 34 19 00-0185 EA Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10' 587.86 106.78		
13 34 19 00-0186 EA Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10' 630.46 106.78		
13 34 19 00-0187 EA Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen 741.96 106.78		
13 34 19 00-0188 EA Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen 815.35 106.78		
13 34 19 00-0189 EA Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen 896.08 106.78		
13 34 19 00-0190 EA Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen 976.81 106.78		
13 34 19 00-0191 EA Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen 1,287.06 133.47		
13 34 19 00-0192 EA Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen 1,419.16 133.47		
13 34 19 00-0193 Gutters And Downspouts For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0194 LF Pre-Engineered Standard Type Gutter, Painted 8.39 1.33 For Galvanized Instead Of Painted, Deduct -1.43		
13 34 19 00-0195 LF Pre-Engineered Standard Type Downspout, Painted 6.02 1.87 For Galvanized Instead Of Painted, Deduct -0.57		
13 34 23 Fabricated Structures (13 34)		
13 34 23 13 Portable And Mobile Buildings (13 34 23)		
Note: Includes material, delivery to site, factory design analysis and report, shop drawings and assembly of building on site. Tie down with hurricane anchors on approved foundation. Excludes utility hook-ups and foundation.		
13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building (13 34 23 13)		
Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002 SF 15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building 415.56		
13 34 23 13-0003 SF 30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building 356.35		
13 34 23 13-0004 SF 50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building 285.16		
13 34 23 13-0005 SF 80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building 225.69		
13 34 23 13-0006 SF 100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building 201.80		
13 34 23 13-0007 Relocate Trailer Within 5 Miles (13 34 23 13)		
Note: Includes removal of tie-downs and underpins. Set-up tie-downs.		
13 34 23 13-0008 EA Relocate Single Trailer Within 5 Miles 475.68		
13 34 23 13-0009 SF Install Under-Pinning 2.79		
13 34 23 13-0010 Temporary Trailers 1 To 6 Years Life (13 34 23 13)		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0011 SF Single Trailer Up To 14' x 73' 37.14 For Each Delivery And Set-Up (Block And Level), Add 915.79 For Each Knock-Down And Pick-Up, Add 635.79 For Each Anchoring Into Asphalt Or Concrete, Add 110.00		
13 34 23 13-0012 SF Modular Trailers, Connected 52.00 For Each Anchoring Into Asphalt Or Concrete, Add 110.00 For Each Delivery And Set-Up (Block And Level), Add 1,956.65 For Each Knock-Down And Pick-Up, Add 1,306.65		
13 34 23 13-0013 EA Add Per Additional Exterior Door With Frame And Hardware 557.15		
13 34 23 13-0014 Accessories (13 34 23 13)		

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 23 13-0015	Skirting ^(13 34 23 13-0014) Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0016	Vinyl Covered, Exterior Only ^(13 34 23 13-0015)		
13 34 23 13-0017	SF 1'-8" High Vinyl Covered Skirt.....	2.26	0.67
13 34 23 13-0018	SF 3' High Vinyl Covered Skirt.....	3.17	1.10
13 34 23 13-0019	Fiberglass, Exterior Only ^(13 34 23 13-0015)		
13 34 23 13-0020	SF 1'-8" High Fiberglass Skirt.....	4.52	1.27
13 34 23 13-0021	SF 3' High Fiberglass Skirt.....	5.15	1.54
13 34 23 13-0022	Plywood, Exterior Only ^(13 34 23 13-0015)		
13 34 23 13-0023	SF 1'-8" High 5/8" Plywood Skirt.....	3.69	1.34
13 34 23 13-0024	SF 3' High 5/8" Plywood Skirt.....	4.33	1.62
13 34 23 13-0025	Steel, Painted, Exterior Only ^(13 34 23 13-0015)		
13 34 23 13-0026	SF 1'-8" High 26 Gauge Steel Skirt.....	4.49	1.27
13 34 23 13-0027	SF 3' High 26 Ga. Steel Skirt.....	5.15	1.54
13 34 23 13-0028	14" x 14" Access Hatch ^(13 34 23 13-0014) Note: Simple design.		
13 34 23 13-0029	EA 14" x 14" Vinyl Covered Access Hatch.....	114.72	29.63
13 34 23 13-0030	EA 14" x 14" Fiberglass Access Hatch.....	105.62	29.63
13 34 23 13-0031	EA 14" x 14" Plywood Access Hatch.....	113.67	29.63
13 34 23 13-0032	EA 14" x 14" 26 Gauge Steel Access Hatch.....	114.53	29.63
13 34 23 13-0033	Aluminum Modular Access Ramp ^(13 34 23 13-0014) Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
13 34 23 13-0034	EA 72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp.....	1,999.45	9.88
13 34 23 13-0035	EA 60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp.....	2,011.31	12.84
13 34 23 13-0036	EA 60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	4,160.44	19.76
13 34 23 13-0037	EA 110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	4,487.61	19.76
13 34 23 13-0038	EA 60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	2,093.10	12.84
13 34 23 13-0039	EA 71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	2,081.24	9.88
13 34 23 13-0040	EA 84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	2,908.98	12.84
13 34 23 13-0041	EA 30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	2,053.23	12.84
13 34 23 13-0042	EA 35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	2,053.23	12.84
13 34 23 13-0043	EA 42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	2,342.57	12.84
13 34 23 13-0044	EA 49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	2,629.86	12.84
13 34 23 14	Fabricated Classroom Buildings ^(13 34 23)		
13 34 23 14-0001	Semi Permanent Modular Transportable Buildings ^(13 34 23 14)		
13 34 23 14-0002	SF Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom.....	55.34	
	For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
	For Each Delivery And Set-Up (Block And Level), Add	1,956.65	
	For Each Knock-Down And Pick-Up, Add	1,306.65	
13 34 23 14-0003	SF Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room.....	56.98	
	For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
	For Each Delivery And Set-Up (Block And Level), Add	1,956.65	
	For Each Knock-Down And Pick-Up, Add	1,306.65	
13 34 23 31	Fabricated Pavilion Style Buildings ^(13 34 23)		
13 34 23 31-0001	Pavilion Style Metal Shelter Structures ^(13 34 23 31) Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.		
13 34 23 31-0002	EA 12' x 12' Metal Shelter Structure.....	6,974.25	1,023.76
13 34 23 31-0003	EA 16' x 16' Metal Shelter Structure.....	8,283.98	1,068.30
13 34 23 31-0004	EA 16' x 32' Metal Shelter Structure.....	10,722.03	1,139.51
13 34 23 31-0005	EA 20' x 20' Metal Shelter Structure.....	10,047.43	1,103.90
13 34 23 31-0006	EA 20' x 30' Metal Shelter Structure.....	12,538.60	1,210.73
13 34 23 31-0007	EA 20' x 40' Metal Shelter Structure.....	15,078.77	1,246.34
13 34 23 31-0008	EA 24' x 24' Metal Shelter Structure.....	12,431.59	1,139.51
13 34 23 31-0009	EA 24' x 48' Metal Shelter Structure.....	17,676.92	1,424.39
13 34 23 31-0010	EA 30' x 30' Metal Shelter Structure.....	16,954.70	1,424.39
13 34 23 31-0011	EA 30' x 60' Metal Shelter Structure.....	31,576.39	1,780.49
13 34 23 31-0012	EA 40' x 40' Metal Shelter Structure.....	28,934.34	2,225.20
13 34 23 31-0013	EA 40' x 60' Metal Shelter Structure.....	42,279.82	2,492.68
13 40 Integrated Construction ⁽¹³⁾			
13 47 Facility Protection ^(13 40)			
13 47 13 Cathodic Protection ^(13 47)			



Special Construction	13
Integrated Construction	13 40
Facility Protection	13 47

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13 Cathodic Protection for Underground and Submerged Piping (13 47 13)		
13 47 13 13-0001 Anodes (13 47 13 13)		
13 47 13 13-0002 Magnesium Type, Conventional (13 47 13 13-0001)		
13 47 13 13-0003 EA 9 LB Magnesium Type Anodes.....	199.76	78.57
13 47 13 13-0004 EA 17 LB Magnesium Type Anodes.....	301.91	113.57
13 47 13 13-0005 EA 32 LB Magnesium Type Anode.....	428.39	146.11
13 47 13 13-0006 EA 48 LB Magnesium Type Anode.....	616.22	204.42
13 47 13 13-0007 Graphite Type (13 47 13 13-0001) Note: Includes epoxy cap.		
13 47 13 13-0008 EA 3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	298.63	103.59
13 47 13 13-0009 EA 4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	499.74	144.65
13 47 13 13-0010 EA 6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	414.91	90.53
13 47 13 13-0011 EA 6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	673.75	120.85
13 47 13 13-0012 Rectifiers (13 47 13 13)		
13 47 13 13-0013 Air Cooled, Silicon Type (13 47 13 13-0012)		
13 47 13 13-0014 EA Air Cooled Rectifiers, 28 Volt, 10 Amp Silicon Type	1,148.90	146.99
13 47 13 13-0015 EA Air Cooled Rectifiers, 20 Volt / 20 Amp Silicon Type	1,255.53	146.99
13 47 13 13-0016 Oil Immersed, Silicon Type (13 47 13 13-0012)		
13 47 13 13-0017 EA Oil Immersed Rectifiers, 28 Volt, 10 Amp Silicon Type.....	1,786.10	169.96
13 47 13 13-0018 EA Oil Immersed Rectifiers, 20 Volt / 20 Amp Silicon Type.....	1,900.34	169.96
13 47 13 13-0019 Anode Backfill (13 47 13 13)		
13 47 13 13-0020 LB Anode Backfill, Coke Breeze	0.53	0.19
13 47 13 13-0021 Cathodic Protection Cable (13 47 13 13)		
13 47 13 13-0022 MLF Cathodic Protection Cable, OR2 - No 8	1,043.69	362.09
13 47 13 13-0023 MLF Cathodic Protection Cable, OR2 - No 6	1,185.42	362.09
13 47 13 13-0024 MLF Cathodic Protection Cable, OR2 - No 4	1,398.00	362.09
13 47 13 13-0025 MLF Cathodic Protection Cable, OR2 - No 2	1,752.32	362.09
13 47 13 13-0026 MLF Cathodic Protection Cable, OR2 - No 1	2,213.75	398.95
13 47 13 13-0027 MLF Cathodic Protection Cable, OR2-No 1/0	2,479.48	398.95
13 47 13 13-0028 MLF Cathodic Protection Cable, OR2-No 2/0	2,922.37	398.95
13 47 13 13-0029 MLF Cathodic Protection Cable, OR2-No 4/0	4,056.85	434.88
13 47 13 13-0030 Cathodic Test Stations (13 47 13 13)		
13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box (13 47 13 13-0030)		
13 47 13 13-0032 EA Cathodic Test Station, Flush Curb Type With Lockable Cover	175.84	42.36
13 47 13 16 Cathodic Protection For Underground Storage Tanks (13 47 13) See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		

END OF SECTION 13

13 Special Construction

13 40 Integrated Construction

13 47 Facility Protection



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

14 Conveying Equipment

14 01 Operation And Maintenance Of Conveying Equipment⁽¹⁴⁾

14 01 20 Operation And Maintenance Of Elevators^(14 01)

14 01 20 71 Elevator Rehabilitation^(14 01 20)

14 01 20 71-0001 Elevator Maintenance^(14 01 20 71)

14 01 20 71-0002	EA	Regular Elevator Inspection, Electric Up To 10 Floors (Sufficient For Issue Of Certificate/Permit)	613.84	
14 01 20 71-0003	EA	Regular Elevator Inspection, Electric Over 10 Floors (Sufficient For Issue Of Certificate/Permit)	767.30	
14 01 20 71-0004	EA	Regular Elevator Inspection, Hydraulic (Sufficient For Issue Of Certificate/Permit)	460.38	
14 01 20 71-0005	EA	Regular Elevator Inspection, Roped Hydraulic (Sufficient For Issue Of Certificate/Permit)	498.74	
14 01 20 71-0006	EA	Regular Elevator Inspection, Dumbwaiters/Cart Lifts (Sufficient For Issue Of Certificate/Permit)	134.28	
14 01 20 71-0007	HR	Elevator Servicing, Labor Only	104.34	
14 01 20 71-0008	EA	Full Load Test For Traction And Winding Drum Elevator Up To 10 Floors	555.23	
14 01 20 71-0009	EA	Full Load Test For Traction And Winding Drum Elevator Over 10 Floors	631.97	
14 01 20 71-0010	EA	Full Load Test For Hydraulic Elevator	401.77	
14 01 20 71-0011	EA	Full Load Test For Roped Hydraulic Elevator	497.68	
14 01 20 71-0012	EA	Full Load Test For Dumbwaiters/Cart Lifts	459.32	
14 01 20 71-0013	EA	Acceptance Test Of Traction And Winding Drum Elevator Up To 10 Floors	2,301.90	
14 01 20 71-0014	EA	Acceptance Test Of Traction And Winding Drum Elevator Over 10 Floors	2,532.08	
14 01 20 71-0015	EA	Acceptance Test Of Hydraulic Elevator	2,186.80	
14 01 20 71-0016	EA	Acceptance Test Of Roped Hydraulic Elevator	2,263.53	
14 01 20 71-0017	EA	Acceptance Test Of Dumbwaiters/Cart Lifts	1,342.77	

14 01 20 71-0018 Elevator Modernization^(14 01 20 71)

14 01 20 71-0019	EA	4" Piston (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	23,864.14	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 71-0020	EA	6" Piston (Hydraulic) Unit Up To 3 Stories (2,500 LB x 100 FPM)	29,322.78	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 71-0021	EA	8" Piston (Hydraulic) Unit Up To 3 Stories (3,000 LB x 100 FPM)	46,348.00	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 71-0022	EA	10" Piston (Hydraulic) Unit Up To 3 Stories (4,000 LB x 100 FPM)	65,104.96	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 71-0023	EA	12" Piston (Hydraulic) Unit Up To 3 Stories (6,000 LB x 100 FPM)	79,343.18	
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.		
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	3,155.00	
		Note: Deduct if <3 stops.		
14 01 20 71-0024	EA	Replace Multi-Port Controller Valve System	7,569.81	
14 01 20 71-0025	SET	Car Roller Guide Assembly, Set Of Four	3,608.21	372.92
14 01 20 71-0026	EA	New Door Opening, Excluding Buildback	7,591.72	
14 01 20 71-0027	SF	Cab Flooring, Epoxy Aggregate Flooring	11.93	3.42
14 01 20 71-0028	SF	Cab Flooring, Aluminum Diamond Plate	32.22	4.97
14 01 20 71-0029	EA	Car Stop Electronic Leveling Device (Per Car)	3,604.01	248.62
14 01 20 71-0030	EA	Electronic Leveling Device At Stop (Per Stop)	785.05	93.23
14 01 20 71-0031	EA	Hoistway Door Hangers Set	683.53	93.23
14 01 20 71-0032	EA	Hoistway Door Closer Set	289.52	49.72
14 01 20 71-0033	EA	Hoistway Door Interlock Set	471.70	77.69
14 01 20 71-0034	EA	Fire Service Switch Controller	1,717.24	93.23
14 01 20 71-0035	EA	Car Door Operators With ADA Buzzer	6,961.42	124.30
14 01 20 71-0036	EA	Car Door Safety Edges (Infrared Proximity Type Edge)	5,027.31	124.30
14 01 20 71-0037	EA	Car Operating Panel (ADA, Fire, Position, Chime)	10,427.91	
14 01 20 71-0038	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	440.13	43.51
14 01 20 71-0039	EA	Car Traveling Lanterns With Audible Signal	3,129.45	186.46
14 01 20 71-0040	EA	Hoistway Door Jam Floor Tags (Braille)	87.84	
14 01 20 71-0041	EA	Lobby Vandal Resistant Call Station	559.26	62.15
14 01 20 71-0042	EA	Car Voice Synthesized Floor Announcement Module	3,253.67	
14 01 20 71-0043	LF	Traveling Cable (140 Conductors, #16 AWG Type ETT)	13.74	4.66
14 01 20 71-0044	LF	Governor Cable	4.73	2.17
14 01 20 71-0045	EA	Cab Walls Coverings (3,500 LB, Rigid Stainless Steel)	10,111.27	497.23
14 01 20 71-0046	EA	Removal And Replacement Of Governor	4,530.48	
14 01 20 71-0047	EA	Removal And Replacement Of Car Station	6,579.88	
14 01 20 71-0048	EA	Removal And Replacement Of Telephone	2,700.24	
14 01 20 71-0049	EA	Removal And Replacement Of Lanterns	1,877.82	

14 Conveying Equipment
14 01 Operation And Maintenance Of Conveying Equipment
14 01 20 Operation And Maintenance Of Elevators



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01	20 71-0050	EA	Hall Call Buttons, Vandal Resistant	392.62	77.69
14 01	20 71-0051	EA	Hall Traveling Lanterns With Audible Signal	771.13	108.77
14 01	20 71-0052	EA	Add Raised Character (Braille) Signage To Control Panel	62.49	
14 01	20 71-0053	EA	Reprogram Existing Controller, Signal Fixtures	19,950.87	
14 01	20 71-0054	EA	New Walls And Platform, Plastic Laminate, For 5' x 7' Cab	7,084.12	310.77
14 01	20 71-0055	EA	New Walls And Platform, Plastic Laminate With Shell, For 5' x 7' Cab	10,145.98	372.92
14 01	20 71-0056	EA	Replace Elevator Or Hoistway Doors, Baked Enamel	8,612.90	435.07
14 01	20 71-0057	EA	Reopening Device, Manual	3,434.47	217.53
14 01	20 71-0058	EA	Reopening Device, Automatic	18,572.55	217.53
14 01	20 71-0059	EA	Elevator Pit Ladder	1,005.60	248.62
14 01	20 71-0060	EA	New Walls And Platform, Partial Cab Plastic Laminate, For 5' x 7' Cab	9,872.51	310.77
14 01	20 71-0061	LF	Replace Lifting Cable, 3/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5	9.83	4.66
14 01	20 71-0062	LF	Replace Lifting Cable, 1/2" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 8.0, EHS Traction Steel - 9.7	11.10	4.66
14 01	20 71-0063	LF	Replace Lifting Cable, 5/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4	12.77	4.66

14 01 30 Operation And Maintenance Of Escalators And Moving Walks

14 01 30 71 Escalators and Moving Walks Rehabilitation

14 01 30 71-0001 Maintenance

14 01	30 71-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	460.38	
14 01	30 71-0003	HR	Escalator Servicing, Labor Only	104.34	
14 01	30 71-0004	EA	Acceptance Test Of Escalators And Moving Walks	2,532.08	

14 01 30 71-0005 Modernization

14 01	30 71-0006	EA	Replace 28" Wide Escalator Stair Tread	1,445.11	
14 01	30 71-0007	EA	Replace 36" Wide Escalator Stair Tread	1,570.84	
14 01	30 71-0008	EA	Replace 48" Wide Escalator Stair Tread	1,669.45	
14 01	30 71-0009	EA	Replace 54" Wide Escalator Stair Tread	1,812.63	
14 01	30 71-0010	LF	Replace Sliding Handrail	128.61	

14 20 Elevators

Note: Excludes final electrical work or shaft walls.

14 24 Hydraulic Elevators

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators

14 24 13 00-0001 Hydraulic Freight Elevators

Note: Painted metal shaft doors and steel painted cab. Unit prices are based on a shaft of 3 stops and 3 openings with power doors. See CSI section 14 24 13 00-0011 for drilling piston hole.

14 24	13 00-0002	EA	Hydraulic Freight Elevator, 3,000 LB x 50 FPM	129,386.03	5,237.67
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-11,891.07	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	
14 24	13 00-0003	EA	Hydraulic Freight Elevator, 4,000 LB x 50 FPM	141,316.33	5,593.81
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-13,012.87	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24	13 00-0004	EA	Hydraulic Freight Elevator, 6,000 LB x 50 FPM	164,267.23	5,851.24
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-15,256.47	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	
14 24	13 00-0005	EA	Hydraulic Freight Elevator, 3,000 LB x 100 FPM	145,210.25	5,297.15
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-13,461.59	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	
14 24	13 00-0006	EA	Hydraulic Freight Elevator, 4,000 LB x 100 FPM	154,913.81	5,661.74
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-14,359.03	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	
14 24	13 00-0007	EA	Hydraulic Freight Elevator, 6,000 LB x 100 FPM	180,273.77	6,001.96
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-16,826.99	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

14 24 13 00-0008	EA	Hydraulic Freight Elevator, 3,000 LB x 150 FPM	158,671.84	5,297.15
		For Each Additional Stop, Add	5,262.00	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	148.00	
		For Each Opening With Stainless Steel Doors, Add	1,610.00	
		For Each Opening With Two Speed Doors, Add	536.00	
		For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
		For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
		For Stainless Steel Cab Interior, Add	12,887.00	
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	5,263.00	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	-14,807.75	
		For Class "B" Loading, Add	1,235.00	
		For Class "C-1" Loading, Add	2,935.00	
		For Class "C-2" Loading, Add	3,530.00	
		For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0009	EA	Hydraulic Freight Elevator, 4,000 LB x 150 FPM	170,829.13	5,766.84
		For Each Additional Stop, Add	5,262.00	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	148.00	
		For Each Opening With Stainless Steel Doors, Add	1,610.00	
		For Each Opening With Two Speed Doors, Add	536.00	
		For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
		For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
		For Stainless Steel Cab Interior, Add	12,887.00	
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	5,263.00	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	-15,929.55	
		For Class "B" Loading, Add	1,235.00	
		For Class "C-1" Loading, Add	2,935.00	
		For Class "C-2" Loading, Add	3,530.00	
		For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 6,000 LB x 150 FPM	193,971.76	6,120.12
		For Each Additional Stop, Add	5,262.00	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	148.00	
		For Each Opening With Stainless Steel Doors, Add	1,610.00	
		For Each Opening With Two Speed Doors, Add	536.00	
		For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
		For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
		For Stainless Steel Cab Interior, Add	12,887.00	
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	5,263.00	
		Note: Deduct if <3 stops.		
		For Elevator With Manual Door, Deduct	-18,173.15	
		For Class "B" Loading, Add	1,235.00	
		For Class "C-1" Loading, Add	2,935.00	
		For Class "C-2" Loading, Add	3,530.00	
		For Class "C-3" Loading, Add	4,800.00	

14 24 13 00-0011 Hydraulic Elevators Piston Drilling (14 24 13)

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling	50.87	
		Note: Includes casing.		
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling.....	60.83	
		Note: Includes casing.		
14 24 13 00-0014	VLF	12" To 16" Diameter Piston Drilling.....	67.98	
		Note: Includes casing.		
14 24 13 00-0015	VLF	18" Diameter Piston Drilling	77.73	
		Note: Includes casing.		

14 24 23 Hydraulic Passenger Elevators (14 24)**14 24 23 00-0001 Hydraulic Passenger Elevators** (14 24 23)

Note: Baked enamel shaft doors and plastic laminated trimmed cab, allowance of \$4000. Unit prices are based on a shaft of 3 stops and 3 openings. See CSI section 14 24 13 00-0011 for drilling piston hole.

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,000 LB x 50 FPM	106,535.54	5,030.39
		For Each Additional 50 FPM, Add	3,475.00	
		For Each Additional 500 LB, Add	3,475.00	
		For Each Additional Stop, Add	5,262.00	
		Note: Deduct if <3 stops.		
		For Each Opening With Bonderized Steel Door, Add	148.00	
		For Each Opening With Stainless Steel Doors, Add	1,610.00	
		For Each Opening With Two Speed Doors, Add	536.00	
		For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
		For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
		For Stainless Steel Cab Interior, Add	12,887.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0003	EA		Hydraulic Passenger Elevator, 2,500 LB x 50 FPM.....	111,437.24	5,237.67
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0004	EA		Hydraulic Passenger Elevator, 3,000 LB x 50 FPM.....	121,168.88	5,616.24
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0005	EA		Hydraulic Passenger Elevator, 2,000 LB x 100 FPM.....	117,045.11	5,237.67
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0006	EA		Hydraulic Passenger Elevator, 2,500 LB x 100 FPM.....	123,572.61	5,696.36
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 3,000 LB x 100 FPM.....	129,897.86	6,053.92
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 2,000 LB x 150 FPM.....	126,140.79	5,297.15
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0009	EA		Hydraulic Passenger Elevator, 2,500 LB x 150 FPM.....	137,568.62	5,963.56
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	

14 Conveying Equipment

14 20 Elevators

14 24 Hydraulic Elevators



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0010	EA		Hydraulic Passenger Elevator, 3,000 LB x 150 FPM.....	147,966.29	6,675.21
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	

14 24 23 00-0011 Twin Jack Holeless Hydraulic Passenger Elevator ^(14 24 23)
 Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.

14 24 23 00-0012	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings.....	84,750.79	5,237.67
14 24 23 00-0013	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings.....	62,964.31	4,475.04

14 26 Limited-Use/Limited-Application Elevators ^(14 26)

14 26 00 00-0001 Small Elevators, 1 Passenger Capacity ^(14 26)

Note: 400 lb capacity, 28 FPM rated, 220V, automatic operation. Includes cab interiors.

14 26 00 00-0002	EA		2 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger.....	32,681.81	2,644.34
14 26 00 00-0003	EA		3 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger.....	37,433.80	3,305.44
14 26 00 00-0004	EA		4 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger.....	42,199.77	3,966.52

14 26 00 00-0005 Small Elevators, 2 To 3 Passenger Capacity ^(14 26)

Note: 750 lb capacity, 36 FPM rated, 220V, automatic operation. Includes cab interiors, telephone box and telephone.

14 26 00 00-0006	EA		2 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	47,125.07	3,966.52
14 26 00 00-0007	EA		3 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	53,468.93	4,627.61
14 26 00 00-0008	EA		4 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	59,796.23	5,288.69
14 26 00 00-0009	EA		5 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	66,786.74	5,949.78
14 26 00 00-0010	EA		6 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	75,088.15	6,941.41
14 26 00 00-0011	EA		7 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity.....	83,934.97	7,933.03

14 26 00 00-0012 Small Elevators, 4 To 6 Passenger Capacity ^(14 26)

Note: 1500 lb capacity, 42 FPM rated, 220V, automatic operation. Includes cab interiors, telephone box and telephone.

14 26 00 00-0013	EA		2 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity.....	72,812.54	6,471.17
			<i>For #4 Brushed Stainless Steel Doors, Add</i>	119.74	
			<i>For Wrap Around Front, Add</i>	59.87	
			<i>For Metal Hand Rails, Add</i>	299.35	
			<i>For Wood Hand Rails, Add</i>	449.03	
			<i>For Red Oak Side Panels, Add</i>	1,796.10	
14 26 00 00-0014	EA		3 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity.....	82,859.83	7,743.64
			<i>For #4 Brushed Stainless Steel Doors, Add</i>	134.75	
			<i>For Wrap Around Front, Add</i>	67.37	
			<i>For Metal Hand Rails, Add</i>	336.86	
			<i>For Wood Hand Rails, Add</i>	505.29	
			<i>For Red Oak Side Panels, Add</i>	2,021.18	
14 26 00 00-0015	EA		4 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity.....	93,253.21	9,189.10
			<i>For #4 Brushed Stainless Steel Doors, Add</i>	149.75	
			<i>For Wrap Around Front, Add</i>	74.88	
			<i>For Metal Hand Rails, Add</i>	374.38	
			<i>For Wood Hand Rails, Add</i>	561.56	
			<i>For Red Oak Side Panels, Add</i>	2,246.25	

14 30 Escalators And Moving Walks ⁽¹⁴⁾

14 31 Escalators ^(14 30)

14 31 00 00-0001 Escalators Stainless Steel Construction ^(14 31)

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002	EA		Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height.....	208,777.71	6,836.87
14 31 00 00-0003	EA		Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height.....	228,388.67	8,079.94
14 31 00 00-0004	EA		Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height.....	248,057.76	9,323.01
14 31 00 00-0005	EA		Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height.....	271,578.87	11,187.61
14 31 00 00-0006	EA		Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height.....	300,632.90	12,430.68
14 31 00 00-0007	EA		Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height.....	221,286.79	7,271.95
14 31 00 00-0008	EA		Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height.....	242,237.19	8,701.47
14 31 00 00-0009	EA		Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height.....	261,750.87	9,944.55
14 31 00 00-0010	EA		Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height.....	291,422.50	12,492.83
14 31 00 00-0011	EA		Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height.....	315,553.99	13,425.13
14 31 00 00-0012	EA		Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height.....	233,888.21	7,707.02
14 31 00 00-0013	EA		Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height.....	256,456.78	9,323.01
14 31 00 00-0014	EA		Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height.....	274,800.63	10,566.08
14 31 00 00-0015	EA		Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height.....	312,159.56	13,176.52
14 31 00 00-0016	EA		Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height.....	331,912.22	14,419.59
14 31 00 00-0017	EA		Escalator Fire Shutter Fusible Link.....	33,907.68	248.62



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 40 Lifts ⁽¹⁴⁾

14 42 Wheelchair Lifts ^(14 40)

14 42 13 Inclined Wheelchair Lifts ^(14 42)

14 42 13 00-0001			Chair Lift-Stair Climber ^(14 42 13)		
			Note: Includes landing, rails, lifting device and gates.		
14 42 13 00-0002	EA		Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity.....	3,784.84	345.28
			Note: Includes top and bottom call button, safety chair, track, and power unit.		

14 42 16 Vertical Wheelchair Lifts ^(14 42)

14 42 16 00-0001			Shorty Wheelchair Lift ^(14 42 16)		
14 42 16 00-0002	EA		36" Vertical Travel Wheelchair Platform Scissor Lift.....	6,216.93	230.19
			Note: 1000 LB capacity. Includes handrails and manual ramp.		
			For Accordion Safety Skirt, Add	998.00	
			For Removable Handrails, Add	100.00	
			For Power Operated Ramp, Add	885.00	
14 42 16 00-0003	EA		42" Vertical Travel Wheelchair Platform Scissor Lift.....	6,216.93	230.19
			Note: 1000 LB capacity. Includes handrails and manual ramp.		
			For 2,000 LB Capacity, Add	600.00	
			For 3,000 LB Capacity, Add	1,000.00	
			For 4,000 LB Capacity, Add	1,500.00	
			For Accordion Safety Skirt, Add	998.00	
			For Removable Handrails, Add	100.00	
			For Power Operated Ramp, Add	885.00	
14 42 16 00-0004	EA		70" Vertical Travel Wheelchair Platform Scissor Lift.....	8,510.32	306.92
			Note: 1000 LB capacity. Includes handrails and manual ramp.		
			For 2,000 LB Capacity, Add	600.00	
			For 3,000 LB Capacity, Add	1,000.00	
			For 4,000 LB Capacity, Add	1,500.00	
			For Accordion Safety Skirt, Add	998.00	
			For Removable Handrails, Add	100.00	
			For Power Operated Ramp, Add	885.00	
14 42 16 00-0005	EA		84" Vertical Travel Wheelchair Platform Scissor Lift.....	9,580.32	306.92
			Note: 1000 LB capacity. Includes handrails and manual ramp.		
			For 2,000 LB Capacity, Add	600.00	
			For 3,000 LB Capacity, Add	1,000.00	
			For 4,000 LB Capacity, Add	1,500.00	
			For Accordion Safety Skirt, Add	998.00	
			For Removable Handrails, Add	100.00	
			For Power Operated Ramp, Add	885.00	
14 42 16 00-0006	EA		18' Travel Wheelchair Incline Lift.....	11,815.33	613.84
			Note: 500 LB capacity, interior installation.		

14 90 Other Conveying Equipment ⁽¹⁴⁾

14 91 Facility Chutes ^(14 90)

14 91 82 Trash Chutes ^(14 91)

14 91 82 00-0001			Trash Chutes ^(14 91 82)		
14 91 82 00-0002	LF		18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	18.28	1.66
			For Aluminum, Add	1.51	
			For Stainless Steel, Add	5.29	
14 91 82 00-0003	LF		24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	23.90	1.66
			For Aluminum, Add	2.05	
			For Stainless Steel, Add	7.16	
14 91 82 00-0004	LF		30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	26.40	2.07
			For Aluminum, Add	2.27	
			For Stainless Steel, Add	7.94	
14 91 82 00-0005	LF		36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports.....	41.38	2.07
			For Aluminum, Add	3.74	
			For Stainless Steel, Add	13.07	
14 91 82 00-0006	EA		Trash Chutes, Hopper	410.70	11.58
			For Aluminum, Add	38.74	
			For Stainless Steel, Add	135.59	
14 91 82 00-0007	EA		Trash Chutes, Skylight.....	180.34	22.74
			For Aluminum, Add	13.48	
			For Stainless Steel, Add	47.16	
14 91 82 00-0008	EA		Trash Chutes, Sprinkler Unit At Top	111.38	24.81
			For Aluminum, Add	5.90	
			For Stainless Steel, Add	20.63	
14 91 82 00-0009	EA		Trash Chutes, Sprinkler Unit At Intake Hopper	27.59	8.68
			For Aluminum, Add	1.01	
			For Stainless Steel, Add	3.54	
14 91 82 00-0010	EA		Refuse Type Bottom Storage Hopper Unit	314.82	31.01
			For Aluminum, Add	24.93	
			For Stainless Steel, Add	87.25	
14 91 82 00-0011	EA		Hopper Doors	792.30	24.46

14	Conveying Equipment
14 90	Other Conveying Equipment
14 91	Facility Chutes



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 91	82 00-0012		Aluminized Steel Trash Chutes And Accessories <small>(14 91 82)</small> Note: Includes sprinklers. Includes smoke/shut down dampers per floor, chute opening doors per floor, base chute damper. Complete.		
14 91	82 00-0013	EA	Refuse Bottom Hopper, Aluminum , 18" Diameter.....	1,295.24	108.72
14 91	82 00-0014	FLR	18" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	293.11	116.02
14 91	82 00-0015	FLR	24" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	359.19	126.90
14 91	82 00-0016	FLR	30" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	418.46	135.34
14 91	82 00-0017	FLR	36" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	462.42	145.02
14 91	82 00-0018	EA	Refuse Bottom Hopper, 36" Aluminized Steel, With Sprinklers.....	378.08	135.34

END OF SECTION 14



Fire Suppression	21	21
Operation and Maintenance of Fire Suppression	21 01	
Operation and Maintenance of Water-Based Fire-Suppression Systems	21 01 10	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration ^(21 01 10)

21 01 10 91-0001	Relocate Sprinkler Head And Branch Piping ^(21 01 10 91)		
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.		
21 01 10 91-0002	EA Relocate Existing Sprinkler Head And Branch Piping.....	31.67	
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.		
21 01 10 91-0003	Sprinkler Upgrades ^(21 01 10 91)		
21 01 10 91-0004	LF Bleed Existing Lines Of Water	0.22	
21 01 10 91-0005	LF Refill Existing Lines With Water	0.28	

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 91 Fire-Suppression Equipment Restoration ^(21 01 30)

21 01 30 91-0001	Inspection And Recharge ^(21 01 30 91)		
21 01 30 91-0002	EA Inspection, CO2, Carbon Dioxide	113.46	
21 01 30 91-0003	LB Refill/Recharge, CO2, Carbon Dioxide	1.60	
21 01 30 91-0004	EA Inspection, Halon 1301	113.46	
21 01 30 91-0005	LB Refill/Recharge, Halon 1301	38.28	
21 01 30 91-0006	EA Inspection, WC, Wet Chemical	68.60	
21 01 30 91-0007	GAL Refill/Recharge, WC, Wet Chemical	35.89	
21 01 30 91-0008	EA Inspection, DC, Dry Chemical.....	68.60	
21 01 30 91-0009	LB Refill/Recharge, DC, Dry Chemical.....	3.19	
21 01 30 91-0010	EA Hydrostatic Testing, All Sizes, All Agents	21.11	
	See CSI section 23 05 93 00-0046 for testing existing piping systems.		
21 01 30 91-0011	EA Disarm/Arm System.....	36.94	

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements For Fire-Suppression Equipment ^(21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters And Gages For Fire-Suppression Systems ^(21 05)

21 05 19 00-0001	Fire Sprinkler System Water Pressure Gauge ^(21 05 19)		
21 05 19 00-0002	EA 2" Diameter Dial, 0-200 PSI, Water Pressure Gauge	24.89	6.19
	Note: For fire sprinkler systems		
21 05 19 00-0003	EA 2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	25.91	6.19
	Note: For fire sprinkler systems		
21 05 19 00-0004	EA 3" Diameter Dial, 0-300 PSI, Water Pressure Gauge	30.71	6.19
	Note: For fire sprinkler systems		
21 05 19 00-0005	EA 3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	32.68	6.19
	Note: For fire sprinkler systems		
21 05 19 00-0006	EA 4" Diameter Dial, 0-300 PSI, Water Pressure Gauge	34.65	6.19
	Note: For fire sprinkler systems		
21 05 19 00-0007	Fire Service Meter Cast Iron Housing ^(21 05 19)		
21 05 19 00-0008	EA 3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	2,826.19	70.74
	For >10 To 25, Deduct	-141.31	
	For >25, Deduct	-415.08	
21 05 19 00-0009	EA 4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	5,772.88	118.59
	For >10 To 25, Deduct	-288.64	
	For >25, Deduct	-851.07	
21 05 19 00-0010	EA 6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	7,797.62	154.24
	For >10 To 25, Deduct	-389.88	
	For >25, Deduct	-1,150.29	
21 05 19 00-0011	EA 8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	10,172.99	197.09
	For >10 To 25, Deduct	-508.65	
	For >25, Deduct	-1,501.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 05 19 00-0012	EA		10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing For >10 To 25, Deduct For >25, Deduct	14,349.74 -717.49 -2,122.47	239.93
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21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping

(21 05)

See CSI section 23 05 23 00-0000 for valves.

21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment

(21 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 48 Vibration And Seismic Controls for Fire-Suppression Piping and Equipment

(21 05)

21 05 48 13 Vibration Controls For Fire-Suppression Piping And Equipment

(21 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification For Fire-Suppression Piping And Equipment

(21 05)

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation

(21)

21 07 19 Fire-Suppression Piping Insulation

(21 07)

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems

(21)

See CSI section 22 11 16 00-0345 for copper pipe, 22 11 16 00-0723 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping

(21 10)

21 11 19 Fire-Department Connections

(21 11)

21 11 19 00-0001 Fire Department Connections

(21 11 19)

21 11 19 00-0002	EA		4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	451.27	159.56
			For Polished Chrome, Add	26.19	
21 11 19 00-0003	EA		6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	623.04	199.46
			For Polished Chrome, Add	40.09	
21 11 19 00-0004	EA		4" x 3" x 3" Siamese Connection, Polished Brass	648.08	159.56
			For Polished Chrome, Add	50.78	
21 11 19 00-0005	EA		6" x 3" x 3" Siamese Connection, Polished Brass	853.97	199.46
			For Polished Chrome, Add	68.96	
21 11 19 00-0006	EA		6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	910.42	199.46
			For Polished Chrome, Add	76.02	
21 11 19 00-0007	EA		Sidewalk Type Connection With Plug And Chain, Polished Brass	788.69	211.09
			For Polished Chrome, Add	58.62	
21 11 19 00-0008	EA		Wall Type Connection With Plug And Chain, Polished Brass	510.81	159.56
			For Polished Chrome, Add	33.64	

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated

(21 11 19)

See CSI section 33 14 19 00-0137 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA		Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	882.99	118.59
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21 12 Fire-Suppression Standpipes

(21 10)

21 12 13 Fire-Suppression Hoses And Nozzles

(21 12)

21 12 13 00-0001 Fire Hose

(21 12 13)

21 12 13 00-0002 Fire Hose Without Couplings

(21 12 13 00-0001)

21 12 13 00-0003	LF		1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	1.52	1.05
21 12 13 00-0004	LF		2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	1.79	1.05
21 12 13 00-0005	LF		2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	1.60	1.05
21 12 13 00-0006	LF		3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	1.92	1.05
21 12 13 00-0007	LF		1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	1.82	1.05
21 12 13 00-0008	LF		2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.35	1.05
21 12 13 00-0009	LF		1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	1.91	1.05
21 12 13 00-0010	LF		2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	2.54	1.05

21 12 13 00-0011 Fire Hose With Aluminum Couplings

(21 12 13 00-0001)

21 12 13 00-0012	LF		1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	2.73	0.58
21 12 13 00-0013	LF		2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	3.36	0.69
21 12 13 00-0014	LF		3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	5.48	0.69

21 12 13 00-0015 Fire Hose Accessories

(21 12 13 00-0001)

21 12 13 00-0016	EA		Hose Coupling With 1-1/2" Pin Lug	63.12	17.41
21 12 13 00-0017	EA		Hose Coupling With 2-1/2" Pin Lug	92.78	19.52
21 12 13 00-0018	EA		1-1/2" x 10" Brass Straight Nozzle	40.20	13.72
21 12 13 00-0019	EA		2-1/2" x 12" Brass Straight Nozzle	76.21	13.72



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 12 13 00-0020	EA		1-1/2" Brass Fog Type Nozzle	61.06	13.72
21 12 13 00-0021	EA		2-1/2" Brass Fog Type Nozzle	86.42	13.72
21 12 13 00-0022	EA		1-1/2" Brass 100' Hose Rack	141.22	58.05
21 12 13 00-0023	EA		2-1/2" Brass 100' Hose Rack	190.05	58.05

21 12 23 Fire-Suppression Hose Valves (21 12)

21 12 23 00-0001 Standpipe Valves (21 12 23)

21 12 23 00-0002	EA		2-1/2" Fire Department Valve, Polished Brass With Plug And Chain <i>For Polished Chrome, Add</i>	335.35 26.33	105.55
21 12 23 00-0003	EA		2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass <i>For Polished Chrome, Add</i>	543.09 57.49	105.50
21 12 23 00-0004	EA		2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass <i>For Polished Chrome, Add</i>	701.54 79.29	114.12
21 12 23 00-0005	EA		3" x 3" x 4" Fire Department Valve, Flush, Polished Brass <i>For Polished Chrome, Add</i>	842.46 102.39	105.50
21 12 23 00-0006	EA		3" x 3" x 6" Fire Department Valve, Flush, Polished Brass <i>For Polished Chrome, Add</i>	990.05 122.57	114.12
21 12 23 00-0007	EA		2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass <i>For Polished Chrome, Add</i>	511.28 52.71	105.50
21 12 23 00-0008	EA		2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass <i>For Polished Chrome, Add</i>	751.43 86.77	114.12
21 12 23 00-0009	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass <i>For Polished Chrome, Add</i>	964.05 95.88	108.92
21 12 23 00-0010	EA		2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass <i>For Polished Chrome, Add</i>	1,381.91 143.82	121.01
21 12 23 00-0011	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass <i>For Polished Chrome, Add</i>	1,035.63 104.47	108.92
21 12 23 00-0012	EA		2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass <i>For Polished Chrome, Add</i>	1,489.77 156.77	121.01
21 12 23 00-0013	EA		2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass <i>For Polished Chrome, Add</i>	2,440.46 222.04	145.19

21 12 23 00-0014 Fire Hose Angle Valves (21 12 23)

21 12 23 00-0015	EA		1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	120.00	14.25
21 12 23 00-0016	EA		1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	144.71	14.25
21 12 23 00-0017	EA		1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	135.73	14.25
21 12 23 00-0018	EA		1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	160.44	14.25
21 12 23 00-0019	EA		2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	214.36	23.74
21 12 23 00-0020	EA		2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	250.31	23.74
21 12 23 00-0021	EA		2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	253.31	23.74
21 12 23 00-0022	EA		2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	289.26	23.74

21 12 29 Fire-Suppression Fire Hose Equipment (21 12)

21 12 29 00-0001 Standpipe And Fire Hose Equipment (21 12 29)

21 12 29 00-0002	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	1,000.57	261.65
21 12 29 00-0003	EA		Water Motor Gong	337.22	71.27
21 12 29 00-0004	EA		Fire Riser Flow Switch (NFPA 13)	269.51	8.29
21 12 29 00-0005	EA		Water Flow Supervisory (Tamper) Switch Mounted On Valve	125.20	14.18

21 12 29 00-0006 Water Flow Detector (21 12 29)

21 12 29 00-0007 Pressure-Type Wazter Flow Detector (21 12 29 00-0006)

21 12 29 00-0008	EA		Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	188.58	43.65
21 12 29 00-0009	EA		Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	275.79	57.83
21 12 29 00-0010	EA		Pressure-Type Water Flow Detector For >4" To 8" Pipe	449.11	65.46

21 12 29 00-0011 Vane-Type Water Flow Detector (21 12 29 00-0006)

21 12 29 00-0012	EA		Vane-Type Water Flow Detector For Up To 2-1/2" Pipe	243.39	43.65
21 12 29 00-0013	EA		Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe	342.94	57.83
21 12 29 00-0014	EA		Vane-Type Water Flow Detector For >4" To 8" Pipe	555.56	65.46

21 13 Fire-Suppression Sprinkler Systems (21 10)

21 13 13 Wet-Pipe Sprinkler Systems (21 13)

21 13 13 00-0001 Complete Wet-Pipe Sprinkler Systems (21 13 13)

Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0003	EA		Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....232.06 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Copper Pipe, Add</i>	28.04	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-39.64	
			<i>For Up To 5, Add</i>	106.36	
			<i>For >5 To 10, Add</i>	66.71	
			<i>For >10 To 20, Add</i>	43.51	
			<i>For >20 To 40, Add</i>	18.37	
			<i>For >100 To 150, Deduct</i>	-23.21	
			<i>For >150, Deduct</i>	-46.41	
21 13 13 00-0004	EA		Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....303.92 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Copper Pipe, Add</i>	35.62	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-50.82	
			<i>For Up To 5, Add</i>	141.50	
			<i>For >5 To 10, Add</i>	90.68	
			<i>For >10 To 20, Add</i>	60.29	
			<i>For >20 To 40, Add</i>	25.16	
			<i>For >100 To 150, Deduct</i>	-30.39	
			<i>For >150, Deduct</i>	-60.78	
21 13 13 00-0005			Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)		
21 13 13 00-0006	EA		Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....231.34 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Copper Pipe, Add</i>	28.02	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-39.58	
			<i>For Up To 5, Add</i>	105.91	
			<i>For >5 To 10, Add</i>	66.33	
			<i>For >10 To 20, Add</i>	43.19	
			<i>For >20 To 40, Add</i>	18.25	
			<i>For >100 To 150, Deduct</i>	-23.13	
			<i>For >150, Deduct</i>	-46.27	
21 13 13 00-0007	EA		Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....301.36 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Copper Pipe, Add</i>	35.37	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-50.44	
			<i>For Up To 5, Add</i>	140.21	
			<i>For >5 To 10, Add</i>	89.77	
			<i>For >10 To 20, Add</i>	59.64	
			<i>For >20 To 40, Add</i>	24.90	
			<i>For >100 To 150, Deduct</i>	-30.14	
			<i>For >150, Deduct</i>	-60.27	
21 13 13 00-0008			Extra Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)		
21 13 13 00-0009	EA		Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....213.94 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Copper Pipe, Add</i>	25.86	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-36.56	
			<i>For Up To 5, Add</i>	98.03	
			<i>For >5 To 10, Add</i>	61.47	
			<i>For >10 To 20, Add</i>	40.08	
			<i>For >20 To 40, Add</i>	16.92	
			<i>For >100 To 150, Deduct</i>	-21.39	
			<i>For >150, Deduct</i>	-42.79	
21 13 13 00-0010	EA		Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....279.25 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Copper Pipe, Add</i>	32.73	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-46.69	
			<i>For Up To 5, Add</i>	130.02	
			<i>For >5 To 10, Add</i>	83.33	
			<i>For >10 To 20, Add</i>	55.41	
			<i>For >20 To 40, Add</i>	23.12	
			<i>For >100 To 150, Deduct</i>	-27.93	
			<i>For >150, Deduct</i>	-55.85	
21 13 13 00-0011			Wet-Pipe Sprinkler Components (21 13 13)		
			Note: Excludes hydraulic calculations.		
21 13 13 00-0012			Wet-Pipe Alarm Valves (21 13 13 00-0011)		
21 13 13 00-0013	EA		2" Wet-Pipe Alarm Valve.....951.08		371.08
21 13 13 00-0014	EA		3" Wet-Pipe Alarm Valve.....1,270.86		506.55
21 13 13 00-0015	EA		4" Wet-Pipe Alarm Valve.....2,185.09		709.17
21 13 13 00-0016	EA		6" Wet-Pipe Alarm Valve.....2,479.48		837.91
21 13 13 00-0017	EA		8" Wet-Pipe Alarm Valve.....3,604.19		921.70
21 13 13 00-0018			Wet-Pipe Sprinkler Heads (21 13 13 00-0011)		
21 13 13 00-0019			Upright Wet-Pipe Sprinkler Heads (21 13 13 00-0018)		
21 13 13 00-0020	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head .....38.04		5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.09	
			<i>For >100 To 500, Deduct</i>	-5.35	
			<i>For >500 To 1,000, Deduct</i>	-10.88	
			<i>For >1,000, Deduct</i>	-15.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0021 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head.....	39.50	5.94
<i>For >25 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-3.16	
<i>For >100 To 500, Deduct</i>	-5.53	
<i>For >500 To 1,000, Deduct</i>	-11.15	
<i>For >1,000, Deduct</i>	-15.89	
21 13 13 00-0022 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	40.43	5.94
<i>For >25 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-3.21	
<i>For >100 To 500, Deduct</i>	-5.65	
<i>For >500 To 1,000, Deduct</i>	-11.31	
<i>For >1,000, Deduct</i>	-16.06	
21 13 13 00-0023 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	38.77	5.94
<i>For >25 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-3.13	
<i>For >100 To 500, Deduct</i>	-5.44	
<i>For >500 To 1,000, Deduct</i>	-11.01	
<i>For >1,000, Deduct</i>	-15.76	
21 13 13 00-0024 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	40.29	5.94
<i>For >25 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-3.20	
<i>For >100 To 500, Deduct</i>	-5.63	
<i>For >500 To 1,000, Deduct</i>	-11.29	
<i>For >1,000, Deduct</i>	-16.04	
21 13 13 00-0025 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	41.25	5.94
<i>For >25 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-3.25	
<i>For >100 To 500, Deduct</i>	-5.75	
<i>For >500 To 1,000, Deduct</i>	-11.46	
<i>For >1,000, Deduct</i>	-16.21	
21 13 13 00-0026 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	48.31	5.94
<i>For >25 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-3.60	
<i>For >100 To 500, Deduct</i>	-6.63	
<i>For >500 To 1,000, Deduct</i>	-12.73	
<i>For >1,000, Deduct</i>	-17.48	
21 13 13 00-0027 EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	52.21	5.94
<i>For >25 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-3.80	
<i>For >100 To 500, Deduct</i>	-7.12	
<i>For >500 To 1,000, Deduct</i>	-13.43	
<i>For >1,000, Deduct</i>	-18.18	
21 13 13 00-0028 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	48.31	5.94
<i>For >25 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-3.60	
<i>For >100 To 500, Deduct</i>	-6.63	
<i>For >500 To 1,000, Deduct</i>	-12.73	
<i>For >1,000, Deduct</i>	-17.48	
21 13 13 00-0029 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	52.21	5.94
<i>For >25 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-3.80	
<i>For >100 To 500, Deduct</i>	-7.12	
<i>For >500 To 1,000, Deduct</i>	-13.43	
<i>For >1,000, Deduct</i>	-18.18	
21 13 13 00-0030 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	43.26	5.94
<i>For >25 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-3.35	
<i>For >100 To 500, Deduct</i>	-6.00	
<i>For >500 To 1,000, Deduct</i>	-11.82	
<i>For >1,000, Deduct</i>	-16.57	
21 13 13 00-0031 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	45.16	5.94
<i>For >25 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-3.45	
<i>For >100 To 500, Deduct</i>	-6.24	
<i>For >500 To 1,000, Deduct</i>	-12.16	
<i>For >1,000, Deduct</i>	-16.91	
21 13 13 00-0032 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	43.77	6.59
<i>For >25 To 50, Deduct</i>	-1.32	
<i>For >50 To 100, Deduct</i>	-3.51	
<i>For >100 To 500, Deduct</i>	-6.13	
<i>For >500 To 1,000, Deduct</i>	-12.36	
<i>For >1,000, Deduct</i>	-17.64	
21 13 13 00-0033 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	46.00	6.59
<i>For >25 To 50, Deduct</i>	-1.32	
<i>For >50 To 100, Deduct</i>	-3.62	
<i>For >100 To 500, Deduct</i>	-6.41	
<i>For >500 To 1,000, Deduct</i>	-12.76	
<i>For >1,000, Deduct</i>	-18.04	
21 13 13 00-0034 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	46.45	6.59
<i>For >25 To 50, Deduct</i>	-1.32	
<i>For >50 To 100, Deduct</i>	-3.64	
<i>For >100 To 500, Deduct</i>	-6.47	
<i>For >500 To 1,000, Deduct</i>	-12.85	
<i>For >1,000, Deduct</i>	-18.12	
21 13 13 00-0035 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	43.77	6.59
<i>For >25 To 50, Deduct</i>	-1.32	
<i>For >50 To 100, Deduct</i>	-3.51	
<i>For >100 To 500, Deduct</i>	-6.13	
<i>For >500 To 1,000, Deduct</i>	-12.36	
<i>For >1,000, Deduct</i>	-17.64	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0036	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	46.00	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-3.62	
			For >100 To 500, Deduct	-6.41	
			For >500 To 1,000, Deduct	-12.76	
			For >1,000, Deduct	-18.04	
21 13 13 00-0037	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	46.45	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-3.64	
			For >100 To 500, Deduct	-6.47	
			For >500 To 1,000, Deduct	-12.85	
			For >1,000, Deduct	-18.12	
21 13 13 00-0038	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head.....	42.25	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-3.30	
			For >100 To 500, Deduct	-5.87	
			For >500 To 1,000, Deduct	-11.64	
			For >1,000, Deduct	-16.39	
21 13 13 00-0039	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	43.70	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-3.37	
			For >100 To 500, Deduct	-6.06	
			For >500 To 1,000, Deduct	-11.90	
			For >1,000, Deduct	-16.65	
21 13 13 00-0040	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	43.99	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-3.39	
			For >100 To 500, Deduct	-6.09	
			For >500 To 1,000, Deduct	-11.95	
			For >1,000, Deduct	-16.70	
21 13 13 00-0041	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head.....	42.25	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-3.30	
			For >100 To 500, Deduct	-5.87	
			For >500 To 1,000, Deduct	-11.64	
			For >1,000, Deduct	-16.39	
21 13 13 00-0042	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	43.70	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-3.37	
			For >100 To 500, Deduct	-6.06	
			For >500 To 1,000, Deduct	-11.90	
			For >1,000, Deduct	-16.65	
21 13 13 00-0043	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	43.99	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-3.39	
			For >100 To 500, Deduct	-6.09	
			For >500 To 1,000, Deduct	-11.95	
			For >1,000, Deduct	-16.70	
21 13 13 00-0044	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head.....	43.98	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-3.39	
			For >100 To 500, Deduct	-6.09	
			For >500 To 1,000, Deduct	-11.95	
			For >1,000, Deduct	-16.70	
21 13 13 00-0045	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	59.39	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-4.29	
			For >100 To 500, Deduct	-8.08	
			For >500 To 1,000, Deduct	-15.17	
			For >1,000, Deduct	-20.45	
21 13 13 00-0046	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	61.07	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-4.37	
			For >100 To 500, Deduct	-8.29	
			For >500 To 1,000, Deduct	-15.48	
			For >1,000, Deduct	-20.75	
21 13 13 00-0047	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	61.07	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-4.37	
			For >100 To 500, Deduct	-8.29	
			For >500 To 1,000, Deduct	-15.48	
			For >1,000, Deduct	-20.75	
21 13 13 00-0048	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	48.10	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-3.72	
			For >100 To 500, Deduct	-6.67	
			For >500 To 1,000, Deduct	-13.14	
			For >1,000, Deduct	-18.42	
21 13 13 00-0049	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	49.24	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-3.78	
			For >100 To 500, Deduct	-6.81	
			For >500 To 1,000, Deduct	-13.35	
			For >1,000, Deduct	-18.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0050	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	49.24	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-3.78	
			For >100 To 500, Deduct	-6.81	
			For >500 To 1,000, Deduct	-13.35	
			For >1,000, Deduct	-18.62	
21 13 13 00-0051	EA		1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	143.09	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-8.34	
			For >100 To 500, Deduct	-18.48	
			For >500 To 1,000, Deduct	-29.79	
			For >1,000, Deduct	-34.54	
21 13 13 00-0052	EA		3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	157.56	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-9.20	
			For >100 To 500, Deduct	-20.35	
			For >500 To 1,000, Deduct	-32.85	
			For >1,000, Deduct	-38.12	
21 13 13 00-0053	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head.....	76.00	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-4.99	
			For >100 To 500, Deduct	-10.09	
			For >500 To 1,000, Deduct	-17.72	
			For >1,000, Deduct	-22.46	
21 13 13 00-0054	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	93.48	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-5.86	
			For >100 To 500, Deduct	-12.28	
			For >500 To 1,000, Deduct	-20.86	
			For >1,000, Deduct	-25.61	
21 13 13 00-0055	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head.....	166.57	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-9.52	
			For >100 To 500, Deduct	-21.41	
			For >500 To 1,000, Deduct	-34.02	
			For >1,000, Deduct	-38.77	
21 13 13 00-0056	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	212.12	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-11.79	
			For >100 To 500, Deduct	-27.11	
			For >500 To 1,000, Deduct	-42.22	
			For >1,000, Deduct	-46.97	
21 13 13 00-0057	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head.....	96.12	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-6.13	
			For >100 To 500, Deduct	-12.67	
			For >500 To 1,000, Deduct	-21.79	
			For >1,000, Deduct	-27.06	
21 13 13 00-0058	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	96.65	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-6.15	
			For >100 To 500, Deduct	-12.74	
			For >500 To 1,000, Deduct	-21.88	
			For >1,000, Deduct	-27.16	
21 13 13 00-0059	Conventional Wet-Pipe Sprinkler Heads (21 13 13 00-0018)				
21 13 13 00-0060	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head.....	38.04	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-3.09	
			For >100 To 500, Deduct	-5.35	
			For >500 To 1,000, Deduct	-10.88	
			For >1,000, Deduct	-15.63	
21 13 13 00-0061	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head.....	39.50	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-3.16	
			For >100 To 500, Deduct	-5.53	
			For >500 To 1,000, Deduct	-11.15	
			For >1,000, Deduct	-15.89	
21 13 13 00-0062	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	40.43	5.94
			For >25 To 50, Deduct	-1.19	
			For >50 To 100, Deduct	-3.21	
			For >100 To 500, Deduct	-5.65	
			For >500 To 1,000, Deduct	-11.31	
			For >1,000, Deduct	-16.06	
21 13 13 00-0063	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head.....	44.29	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-3.53	
			For >100 To 500, Deduct	-6.20	
			For >500 To 1,000, Deduct	-12.46	
			For >1,000, Deduct	-17.73	
21 13 13 00-0064	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head.....	46.00	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-3.62	
			For >100 To 500, Deduct	-6.41	
			For >500 To 1,000, Deduct	-12.76	
			For >1,000, Deduct	-18.04	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0065	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	46.27	6.59
	For >25 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-3.63	
	For >100 To 500, Deduct	-6.44	
	For >500 To 1,000, Deduct	-12.81	
	For >1,000, Deduct	-18.09	
21 13 13 00-0066	EA 1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head.....	143.09	5.94
	For >25 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-8.34	
	For >100 To 500, Deduct	-18.48	
	For >500 To 1,000, Deduct	-29.79	
	For >1,000, Deduct	-34.54	
21 13 13 00-0067	Pendant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small> See CSI section 21 13 13 00-0203 for escutcheon for recessed pendant sprinkler head.		
21 13 13 00-0068	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Brass Wet Pipe Sprinkler Head.....	38.04	5.94
	For >25 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-3.09	
	For >100 To 500, Deduct	-5.35	
	For >500 To 1,000, Deduct	-10.88	
	For >1,000, Deduct	-15.63	
21 13 13 00-0069	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head.....	39.50	5.94
	For >25 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-3.16	
	For >100 To 500, Deduct	-5.53	
	For >500 To 1,000, Deduct	-11.15	
	For >1,000, Deduct	-15.89	
21 13 13 00-0070	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	40.43	5.94
	For >25 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-3.21	
	For >100 To 500, Deduct	-5.65	
	For >500 To 1,000, Deduct	-11.31	
	For >1,000, Deduct	-16.06	
21 13 13 00-0071	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Brass Wet Pipe Sprinkler Head.....	43.77	6.59
	For >25 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-3.51	
	For >100 To 500, Deduct	-6.13	
	For >500 To 1,000, Deduct	-12.36	
	For >1,000, Deduct	-17.64	
21 13 13 00-0072	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head.....	46.00	6.59
	For >25 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-3.62	
	For >100 To 500, Deduct	-6.41	
	For >500 To 1,000, Deduct	-12.76	
	For >1,000, Deduct	-18.04	
21 13 13 00-0073	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	46.45	6.59
	For >25 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-3.64	
	For >100 To 500, Deduct	-6.47	
	For >500 To 1,000, Deduct	-12.85	
	For >1,000, Deduct	-18.12	
21 13 13 00-0074	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Brass Wet Pipe Sprinkler Head.....	42.25	5.94
	For >25 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-3.30	
	For >100 To 500, Deduct	-5.87	
	For >500 To 1,000, Deduct	-11.64	
	For >1,000, Deduct	-16.39	
21 13 13 00-0075	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Chrome Wet Pipe Sprinkler Head.....	43.70	5.94
	For >25 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-3.37	
	For >100 To 500, Deduct	-6.06	
	For >500 To 1,000, Deduct	-11.90	
	For >1,000, Deduct	-16.65	
21 13 13 00-0076	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	43.99	5.94
	For >25 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-3.39	
	For >100 To 500, Deduct	-6.09	
	For >500 To 1,000, Deduct	-11.95	
	For >1,000, Deduct	-16.70	
21 13 13 00-0077	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant Brass Wet Pipe Sprinkler Head.....	42.25	5.94
	For >25 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-3.30	
	For >100 To 500, Deduct	-5.87	
	For >500 To 1,000, Deduct	-11.64	
	For >1,000, Deduct	-16.39	
21 13 13 00-0078	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant Chrome Wet Pipe Sprinkler Head.....	43.70	5.94
	For >25 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-3.37	
	For >100 To 500, Deduct	-6.06	
	For >500 To 1,000, Deduct	-11.90	
	For >1,000, Deduct	-16.65	
21 13 13 00-0079	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	43.99	5.94
	For >25 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-3.39	
	For >100 To 500, Deduct	-6.09	
	For >500 To 1,000, Deduct	-11.95	
	For >1,000, Deduct	-16.70	



Fire Suppression	21
Water-Based Fire-Suppression Systems	21 10
Fire-Suppression Sprinkler Systems	21 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0080 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant Brass Wet Pipe Sprinkler Head, Low Lead.....	42.25	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.30	
For >100 To 500, Deduct	-5.87	
For >500 To 1,000, Deduct	-11.64	
For >1,000, Deduct	-16.39	
21 13 13 00-0081 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant Chrome Wet Pipe Sprinkler Head, Low Lead.....	43.70	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.37	
For >100 To 500, Deduct	-6.06	
For >500 To 1,000, Deduct	-11.90	
For >1,000, Deduct	-16.65	
21 13 13 00-0082 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	43.99	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.39	
For >100 To 500, Deduct	-6.09	
For >500 To 1,000, Deduct	-11.95	
For >1,000, Deduct	-16.70	
21 13 13 00-0083 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Brass Wet Pipe Sprinkler Head, Low Lead.....	38.04	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.09	
For >100 To 500, Deduct	-5.35	
For >500 To 1,000, Deduct	-10.88	
For >1,000, Deduct	-15.63	
21 13 13 00-0084 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head, Low Lead.....	39.50	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.16	
For >100 To 500, Deduct	-5.53	
For >500 To 1,000, Deduct	-11.15	
For >1,000, Deduct	-15.89	
21 13 13 00-0085 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	40.43	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.21	
For >100 To 500, Deduct	-5.65	
For >500 To 1,000, Deduct	-11.31	
For >1,000, Deduct	-16.06	
21 13 13 00-0086 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendant Brass Wet Pipe Sprinkler Head.....	38.78	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.13	
For >100 To 500, Deduct	-5.44	
For >500 To 1,000, Deduct	-11.02	
For >1,000, Deduct	-15.76	
21 13 13 00-0087 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendant Chrome Wet Pipe Sprinkler Head.....	39.81	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.18	
For >100 To 500, Deduct	-5.57	
For >500 To 1,000, Deduct	-11.20	
For >1,000, Deduct	-15.95	
21 13 13 00-0088 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	40.75	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.22	
For >100 To 500, Deduct	-5.69	
For >500 To 1,000, Deduct	-11.37	
For >1,000, Deduct	-16.12	
21 13 13 00-0089 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendant Brass Wet Pipe Sprinkler Head.....	45.15	6.59
For >25 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-3.58	
For >100 To 500, Deduct	-6.30	
For >500 To 1,000, Deduct	-12.61	
For >1,000, Deduct	-17.89	
21 13 13 00-0090 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendant Chrome Wet Pipe Sprinkler Head.....	47.04	6.59
For >25 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-3.67	
For >100 To 500, Deduct	-6.54	
For >500 To 1,000, Deduct	-12.95	
For >1,000, Deduct	-18.23	
21 13 13 00-0091 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	47.04	6.59
For >25 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-3.67	
For >100 To 500, Deduct	-6.54	
For >500 To 1,000, Deduct	-12.95	
For >1,000, Deduct	-18.23	
21 13 13 00-0092 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendant Brass Wet Pipe Sprinkler Head.....	43.26	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.35	
For >100 To 500, Deduct	-6.00	
For >500 To 1,000, Deduct	-11.82	
For >1,000, Deduct	-16.57	
21 13 13 00-0093 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head.....	45.16	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.45	
For >100 To 500, Deduct	-6.24	
For >500 To 1,000, Deduct	-12.16	
For >1,000, Deduct	-16.91	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0094	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	48.02	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.59	
			<i>For >100 To 500, Deduct</i>	-6.60	
			<i>For >500 To 1,000, Deduct</i>	-12.68	
			<i>For >1,000, Deduct</i>	-17.43	
21 13 13 00-0095	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	51.14	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.74	
			<i>For >100 To 500, Deduct</i>	-6.99	
			<i>For >500 To 1,000, Deduct</i>	-13.24	
			<i>For >1,000, Deduct</i>	-17.99	
21 13 13 00-0096	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	48.02	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.59	
			<i>For >100 To 500, Deduct</i>	-6.60	
			<i>For >500 To 1,000, Deduct</i>	-12.68	
			<i>For >1,000, Deduct</i>	-17.43	
21 13 13 00-0097	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	51.14	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.74	
			<i>For >100 To 500, Deduct</i>	-6.99	
			<i>For >500 To 1,000, Deduct</i>	-13.24	
			<i>For >1,000, Deduct</i>	-17.99	
21 13 13 00-0098	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	40.79	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.23	
			<i>For >100 To 500, Deduct</i>	-5.69	
			<i>For >500 To 1,000, Deduct</i>	-11.38	
			<i>For >1,000, Deduct</i>	-16.13	
21 13 13 00-0099	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	42.43	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.31	
			<i>For >100 To 500, Deduct</i>	-5.90	
			<i>For >500 To 1,000, Deduct</i>	-11.67	
			<i>For >1,000, Deduct</i>	-16.42	
21 13 13 00-0100	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	43.29	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.35	
			<i>For >100 To 500, Deduct</i>	-6.00	
			<i>For >500 To 1,000, Deduct</i>	-11.83	
			<i>For >1,000, Deduct</i>	-16.58	
21 13 13 00-0101	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	44.47	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.54	
			<i>For >100 To 500, Deduct</i>	-6.22	
			<i>For >500 To 1,000, Deduct</i>	-12.49	
			<i>For >1,000, Deduct</i>	-17.77	
21 13 13 00-0102	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	46.08	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.62	
			<i>For >100 To 500, Deduct</i>	-6.42	
			<i>For >500 To 1,000, Deduct</i>	-12.78	
			<i>For >1,000, Deduct</i>	-18.06	
21 13 13 00-0103	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	47.65	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.70	
			<i>For >100 To 500, Deduct</i>	-6.62	
			<i>For >500 To 1,000, Deduct</i>	-13.06	
			<i>For >1,000, Deduct</i>	-18.34	
21 13 13 00-0104	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	41.72	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.27	
			<i>For >100 To 500, Deduct</i>	-5.81	
			<i>For >500 To 1,000, Deduct</i>	-11.55	
			<i>For >1,000, Deduct</i>	-16.29	
21 13 13 00-0105	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	43.32	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.35	
			<i>For >100 To 500, Deduct</i>	-6.01	
			<i>For >500 To 1,000, Deduct</i>	-11.83	
			<i>For >1,000, Deduct</i>	-16.58	
21 13 13 00-0106	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	44.20	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.40	
			<i>For >100 To 500, Deduct</i>	-6.12	
			<i>For >500 To 1,000, Deduct</i>	-11.99	
			<i>For >1,000, Deduct</i>	-16.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0107	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	45.15	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.58	
			<i>For >100 To 500, Deduct</i>	-6.30	
			<i>For >500 To 1,000, Deduct</i>	-12.61	
			<i>For >1,000, Deduct</i>	-17.89	
21 13 13 00-0108	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	46.84	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.66	
			<i>For >100 To 500, Deduct</i>	-6.51	
			<i>For >500 To 1,000, Deduct</i>	-12.92	
			<i>For >1,000, Deduct</i>	-18.19	
21 13 13 00-0109	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	48.47	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.74	
			<i>For >100 To 500, Deduct</i>	-6.72	
			<i>For >500 To 1,000, Deduct</i>	-13.21	
			<i>For >1,000, Deduct</i>	-18.49	
21 13 13 00-0110	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	67.25	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-4.55	
			<i>For >100 To 500, Deduct</i>	-9.00	
			<i>For >500 To 1,000, Deduct</i>	-16.14	
			<i>For >1,000, Deduct</i>	-20.89	
21 13 13 00-0111	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	67.25	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-4.55	
			<i>For >100 To 500, Deduct</i>	-9.00	
			<i>For >500 To 1,000, Deduct</i>	-16.14	
			<i>For >1,000, Deduct</i>	-20.89	
21 13 13 00-0112	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	49.77	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.81	
			<i>For >100 To 500, Deduct</i>	-6.88	
			<i>For >500 To 1,000, Deduct</i>	-13.44	
			<i>For >1,000, Deduct</i>	-18.72	
21 13 13 00-0113	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	51.01	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.87	
			<i>For >100 To 500, Deduct</i>	-7.04	
			<i>For >500 To 1,000, Deduct</i>	-13.67	
			<i>For >1,000, Deduct</i>	-18.94	
21 13 13 00-0114	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	51.01	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.87	
			<i>For >100 To 500, Deduct</i>	-7.04	
			<i>For >500 To 1,000, Deduct</i>	-13.67	
			<i>For >1,000, Deduct</i>	-18.94	
21 13 13 00-0115	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	48.10	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.72	
			<i>For >100 To 500, Deduct</i>	-6.67	
			<i>For >500 To 1,000, Deduct</i>	-13.14	
			<i>For >1,000, Deduct</i>	-18.42	
21 13 13 00-0116	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	49.24	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.78	
			<i>For >100 To 500, Deduct</i>	-6.81	
			<i>For >500 To 1,000, Deduct</i>	-13.35	
			<i>For >1,000, Deduct</i>	-18.62	
21 13 13 00-0117	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	49.24	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.78	
			<i>For >100 To 500, Deduct</i>	-6.81	
			<i>For >500 To 1,000, Deduct</i>	-13.35	
			<i>For >1,000, Deduct</i>	-18.62	
21 13 13 00-0118	EA		1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	143.09	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-8.34	
			<i>For >100 To 500, Deduct</i>	-18.48	
			<i>For >500 To 1,000, Deduct</i>	-29.79	
			<i>For >1,000, Deduct</i>	-34.54	
21 13 13 00-0119	EA		3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	157.56	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-9.20	
			<i>For >100 To 500, Deduct</i>	-20.35	
			<i>For >500 To 1,000, Deduct</i>	-32.85	
			<i>For >1,000, Deduct</i>	-38.12	
21 13 13 00-0120	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	76.00	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-4.99	
			<i>For >100 To 500, Deduct</i>	-10.09	
			<i>For >500 To 1,000, Deduct</i>	-17.72	
			<i>For >1,000, Deduct</i>	-22.46	

21 Fire Suppression

21 10 Water-Based Fire-Suppression Systems

21 13 Fire-Suppression Sprinkler Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0121 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	93.48	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-5.86	
For >100 To 500, Deduct	-12.28	
For >500 To 1,000, Deduct	-20.86	
For >1,000, Deduct	-25.61	
21 13 13 00-0122 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	166.57	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-9.52	
For >100 To 500, Deduct	-21.41	
For >500 To 1,000, Deduct	-34.02	
For >1,000, Deduct	-38.77	
21 13 13 00-0123 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	212.12	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-11.79	
For >100 To 500, Deduct	-27.11	
For >500 To 1,000, Deduct	-42.22	
For >1,000, Deduct	-46.97	
21 13 13 00-0124 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	96.12	6.59
For >25 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-6.13	
For >100 To 500, Deduct	-12.67	
For >500 To 1,000, Deduct	-21.79	
For >1,000, Deduct	-27.06	
21 13 13 00-0125 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	96.65	6.59
For >25 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-6.15	
For >100 To 500, Deduct	-12.74	
For >500 To 1,000, Deduct	-21.88	
For >1,000, Deduct	-27.16	
21 13 13 00-0126 Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0018)		
21 13 13 00-0127 Horizontal Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0126)		
21 13 13 00-0128 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	40.22	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.20	
For >100 To 500, Deduct	-5.62	
For >500 To 1,000, Deduct	-11.28	
For >1,000, Deduct	-16.02	
21 13 13 00-0129 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	41.39	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.26	
For >100 To 500, Deduct	-5.77	
For >500 To 1,000, Deduct	-11.49	
For >1,000, Deduct	-16.23	
21 13 13 00-0130 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head.....	43.23	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.35	
For >100 To 500, Deduct	-6.00	
For >500 To 1,000, Deduct	-11.82	
For >1,000, Deduct	-16.57	
21 13 13 00-0131 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	40.88	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.23	
For >100 To 500, Deduct	-5.70	
For >500 To 1,000, Deduct	-11.39	
For >1,000, Deduct	-16.14	
21 13 13 00-0132 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	42.07	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.29	
For >100 To 500, Deduct	-5.85	
For >500 To 1,000, Deduct	-11.61	
For >1,000, Deduct	-16.36	
21 13 13 00-0133 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	43.95	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.38	
For >100 To 500, Deduct	-6.09	
For >500 To 1,000, Deduct	-11.95	
For >1,000, Deduct	-16.69	
21 13 13 00-0134 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	45.16	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.45	
For >100 To 500, Deduct	-6.24	
For >500 To 1,000, Deduct	-12.16	
For >1,000, Deduct	-16.91	
21 13 13 00-0135 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	47.06	5.94
For >25 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-3.54	
For >100 To 500, Deduct	-6.48	
For >500 To 1,000, Deduct	-12.51	
For >1,000, Deduct	-17.25	
21 13 13 00-0136 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	48.77	6.59
For >25 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-3.76	
For >100 To 500, Deduct	-6.76	
For >500 To 1,000, Deduct	-13.26	
For >1,000, Deduct	-18.54	



		Fire Suppression	21
		Water-Based Fire-Suppression Systems	21 10
		Fire-Suppression Sprinkler Systems	21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0137	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	51.61	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.90	
			<i>For >100 To 500, Deduct</i>	-7.11	
			<i>For >500 To 1,000, Deduct</i>	-13.77	
			<i>For >1,000, Deduct</i>	-19.05	
21 13 13 00-0138	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	49.26	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.65	
			<i>For >100 To 500, Deduct</i>	-6.75	
			<i>For >500 To 1,000, Deduct</i>	-12.90	
			<i>For >1,000, Deduct</i>	-17.65	
21 13 13 00-0139	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	51.14	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.74	
			<i>For >100 To 500, Deduct</i>	-6.99	
			<i>For >500 To 1,000, Deduct</i>	-13.24	
			<i>For >1,000, Deduct</i>	-17.99	
21 13 13 00-0140	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	49.26	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.65	
			<i>For >100 To 500, Deduct</i>	-6.75	
			<i>For >500 To 1,000, Deduct</i>	-12.90	
			<i>For >1,000, Deduct</i>	-17.65	
21 13 13 00-0141	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	51.14	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.74	
			<i>For >100 To 500, Deduct</i>	-6.99	
			<i>For >500 To 1,000, Deduct</i>	-13.24	
			<i>For >1,000, Deduct</i>	-17.99	
21 13 13 00-0142	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	39.23	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.15	
			<i>For >100 To 500, Deduct</i>	-5.50	
			<i>For >500 To 1,000, Deduct</i>	-11.10	
			<i>For >1,000, Deduct</i>	-15.85	
21 13 13 00-0143	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	40.19	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.20	
			<i>For >100 To 500, Deduct</i>	-5.62	
			<i>For >500 To 1,000, Deduct</i>	-11.27	
			<i>For >1,000, Deduct</i>	-16.02	
21 13 13 00-0144	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	41.39	5.94
			<i>For >25 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-3.26	
			<i>For >100 To 500, Deduct</i>	-5.77	
			<i>For >500 To 1,000, Deduct</i>	-11.49	
			<i>For >1,000, Deduct</i>	-16.23	
21 13 13 00-0145	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	43.00	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.47	
			<i>For >100 To 500, Deduct</i>	-6.03	
			<i>For >500 To 1,000, Deduct</i>	-12.22	
			<i>For >1,000, Deduct</i>	-17.50	
21 13 13 00-0146	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	44.03	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.52	
			<i>For >100 To 500, Deduct</i>	-6.16	
			<i>For >500 To 1,000, Deduct</i>	-12.41	
			<i>For >1,000, Deduct</i>	-17.69	
21 13 13 00-0147	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	45.15	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.58	
			<i>For >100 To 500, Deduct</i>	-6.30	
			<i>For >500 To 1,000, Deduct</i>	-12.61	
			<i>For >1,000, Deduct</i>	-17.89	
21 13 13 00-0148	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	43.82	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.51	
			<i>For >100 To 500, Deduct</i>	-6.14	
			<i>For >500 To 1,000, Deduct</i>	-12.37	
			<i>For >1,000, Deduct</i>	-17.65	
21 13 13 00-0149	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	44.89	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.56	
			<i>For >100 To 500, Deduct</i>	-6.27	
			<i>For >500 To 1,000, Deduct</i>	-12.56	
			<i>For >1,000, Deduct</i>	-17.84	
21 13 13 00-0150	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	46.05	6.59
			<i>For >25 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-3.62	
			<i>For >100 To 500, Deduct</i>	-6.42	
			<i>For >500 To 1,000, Deduct</i>	-12.77	
			<i>For >1,000, Deduct</i>	-18.05	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 13 00-0151	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	46.07	6.59
		<i>For >25 To 50, Deduct</i>	-1.32	
		<i>For >50 To 100, Deduct</i>	-3.62	
		<i>For >100 To 500, Deduct</i>	-6.42	
		<i>For >500 To 1,000, Deduct</i>	-12.78	
		<i>For >1,000, Deduct</i>	-18.05	
21 13 13 00-0152	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	47.65	6.59
		<i>For >25 To 50, Deduct</i>	-1.32	
		<i>For >50 To 100, Deduct</i>	-3.70	
		<i>For >100 To 500, Deduct</i>	-6.62	
		<i>For >500 To 1,000, Deduct</i>	-13.06	
		<i>For >1,000, Deduct</i>	-18.34	
21 13 13 00-0153	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	47.65	6.59
		<i>For >25 To 50, Deduct</i>	-1.32	
		<i>For >50 To 100, Deduct</i>	-3.70	
		<i>For >100 To 500, Deduct</i>	-6.62	
		<i>For >500 To 1,000, Deduct</i>	-13.06	
		<i>For >1,000, Deduct</i>	-18.34	
21 13 13 00-0154	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	77.76	5.94
		<i>For >25 To 50, Deduct</i>	-1.19	
		<i>For >50 To 100, Deduct</i>	-5.08	
		<i>For >100 To 500, Deduct</i>	-10.31	
		<i>For >500 To 1,000, Deduct</i>	-18.03	
		<i>For >1,000, Deduct</i>	-22.78	
21 13 13 00-0155	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head.....	77.76	5.94
		<i>For >25 To 50, Deduct</i>	-1.19	
		<i>For >50 To 100, Deduct</i>	-5.08	
		<i>For >100 To 500, Deduct</i>	-10.31	
		<i>For >500 To 1,000, Deduct</i>	-18.03	
		<i>For >1,000, Deduct</i>	-22.78	
21 13 13 00-0156	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	39.63	5.94
		<i>For >25 To 50, Deduct</i>	-1.19	
		<i>For >50 To 100, Deduct</i>	-3.17	
		<i>For >100 To 500, Deduct</i>	-5.55	
		<i>For >500 To 1,000, Deduct</i>	-11.17	
		<i>For >1,000, Deduct</i>	-15.92	
21 13 13 00-0157	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	39.63	5.94
		<i>For >25 To 50, Deduct</i>	-1.19	
		<i>For >50 To 100, Deduct</i>	-3.17	
		<i>For >100 To 500, Deduct</i>	-5.55	
		<i>For >500 To 1,000, Deduct</i>	-11.17	
		<i>For >1,000, Deduct</i>	-15.92	
21 13 13 00-0158	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	39.63	5.94
		<i>For >25 To 50, Deduct</i>	-1.19	
		<i>For >50 To 100, Deduct</i>	-3.17	
		<i>For >100 To 500, Deduct</i>	-5.55	
		<i>For >500 To 1,000, Deduct</i>	-11.17	
		<i>For >1,000, Deduct</i>	-15.92	
21 13 13 00-0159		Vertical Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0126)		
21 13 13 00-0160	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head.....	41.73	5.94
		<i>For >25 To 50, Deduct</i>	-1.19	
		<i>For >50 To 100, Deduct</i>	-3.27	
		<i>For >100 To 500, Deduct</i>	-5.81	
		<i>For >500 To 1,000, Deduct</i>	-11.55	
		<i>For >1,000, Deduct</i>	-16.30	
21 13 13 00-0161	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	43.19	5.94
		<i>For >25 To 50, Deduct</i>	-1.19	
		<i>For >50 To 100, Deduct</i>	-3.35	
		<i>For >100 To 500, Deduct</i>	-5.99	
		<i>For >500 To 1,000, Deduct</i>	-11.81	
		<i>For >1,000, Deduct</i>	-16.56	
21 13 13 00-0162	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head.....	43.81	5.94
		<i>For >25 To 50, Deduct</i>	-1.19	
		<i>For >50 To 100, Deduct</i>	-3.38	
		<i>For >100 To 500, Deduct</i>	-6.07	
		<i>For >500 To 1,000, Deduct</i>	-11.92	
		<i>For >1,000, Deduct</i>	-16.67	
21 13 13 00-0163		Concealed Wet-Pipe Sprinkler Heads (21 13 13 00-0018)		
21 13 13 00-0164		Concealed Pendant Wet-Pipe Sprinkler Heads (21 13 13 00-0163)		
21 13 13 00-0165	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead	60.28	7.92
		Note: Excludes coverplate		
		<i>For >25 To 50, Deduct</i>	-1.58	
		<i>For >50 To 100, Deduct</i>	-4.60	
		<i>For >100 To 500, Deduct</i>	-8.33	
		<i>For >500 To 1,000, Deduct</i>	-16.23	
		<i>For >1,000, Deduct</i>	-22.56	
21 13 13 00-0166	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	43.19	7.92
		Note: Excludes coverplate		
		<i>For >25 To 50, Deduct</i>	-1.58	
		<i>For >50 To 100, Deduct</i>	-3.74	
		<i>For >100 To 500, Deduct</i>	-6.19	
		<i>For >500 To 1,000, Deduct</i>	-13.16	
		<i>For >1,000, Deduct</i>	-19.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0167	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head 43.82		7.92
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-1.58	
			For >50 To 100, Deduct	-3.77	
			For >100 To 500, Deduct	-6.27	
			For >500 To 1,000, Deduct	-13.27	
			For >1,000, Deduct	-19.60	
21 13 13 00-0168	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head 54.93		8.57
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-1.72	
			For >50 To 100, Deduct	-4.46	
			For >100 To 500, Deduct	-7.72	
			For >500 To 1,000, Deduct	-15.72	
			For >1,000, Deduct	-22.58	
21 13 13 00-0169	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head 52.29		7.92
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-1.58	
			For >50 To 100, Deduct	-4.20	
			For >100 To 500, Deduct	-7.33	
			For >500 To 1,000, Deduct	-14.79	
			For >1,000, Deduct	-21.13	
21 13 13 00-0170	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head 52.29		7.92
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-1.58	
			For >50 To 100, Deduct	-4.20	
			For >100 To 500, Deduct	-7.33	
			For >500 To 1,000, Deduct	-14.79	
			For >1,000, Deduct	-21.13	
21 13 13 00-0171	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 54.93		8.57
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-1.72	
			For >50 To 100, Deduct	-4.46	
			For >100 To 500, Deduct	-7.72	
			For >500 To 1,000, Deduct	-15.72	
			For >1,000, Deduct	-22.58	
21 13 13 00-0172	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 48.29		7.92
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-1.58	
			For >50 To 100, Deduct	-4.00	
			For >100 To 500, Deduct	-6.83	
			For >500 To 1,000, Deduct	-14.07	
			For >1,000, Deduct	-20.41	
21 13 13 00-0173	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 52.29		7.92
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-1.58	
			For >50 To 100, Deduct	-4.20	
			For >100 To 500, Deduct	-7.33	
			For >500 To 1,000, Deduct	-14.79	
			For >1,000, Deduct	-21.13	
21 13 13 00-0174	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 52.29		7.92
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-1.58	
			For >50 To 100, Deduct	-4.20	
			For >100 To 500, Deduct	-7.33	
			For >500 To 1,000, Deduct	-14.79	
			For >1,000, Deduct	-21.13	
21 13 13 00-0175	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 49.24		7.92
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-1.58	
			For >50 To 100, Deduct	-4.05	
			For >100 To 500, Deduct	-6.95	
			For >500 To 1,000, Deduct	-14.25	
			For >1,000, Deduct	-20.58	
21 13 13 00-0176	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head 81.38		9.23
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-1.85	
			For >50 To 100, Deduct	-5.92	
			For >100 To 500, Deduct	-11.10	
			For >500 To 1,000, Deduct	-20.93	
			For >1,000, Deduct	-28.32	
21 13 13 00-0177	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head 46.30		7.92
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-1.58	
			For >50 To 100, Deduct	-3.90	
			For >100 To 500, Deduct	-6.58	
			For >500 To 1,000, Deduct	-13.72	
			For >1,000, Deduct	-20.05	
21 13 13 00-0178	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head 48.68		8.57
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-1.72	
			For >50 To 100, Deduct	-4.15	
			For >100 To 500, Deduct	-6.94	
			For >500 To 1,000, Deduct	-14.59	
			For >1,000, Deduct	-21.45	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 13 00-0179	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	46.86	7.92
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-1.58	
		For >50 To 100, Deduct	-3.93	
		For >100 To 500, Deduct	-6.65	
		For >500 To 1,000, Deduct	-13.82	
		For >1,000, Deduct	-20.15	
21 13 13 00-0180	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	49.50	8.57
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-1.72	
		For >50 To 100, Deduct	-4.19	
		For >100 To 500, Deduct	-7.05	
		For >500 To 1,000, Deduct	-14.74	
		For >1,000, Deduct	-21.60	
21 13 13 00-0181	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	55.19	8.57
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-1.72	
		For >50 To 100, Deduct	-4.47	
		For >100 To 500, Deduct	-7.76	
		For >500 To 1,000, Deduct	-15.77	
		For >1,000, Deduct	-22.63	
21 13 13 00-0182	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate.....	94.34	9.23
		For >25 To 50, Deduct	-1.85	
		For >50 To 100, Deduct	-6.56	
		For >100 To 500, Deduct	-12.72	
		For >500 To 1,000, Deduct	-23.26	
		For >1,000, Deduct	-30.65	
21 13 13 00-0183	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate.....	94.34	9.23
		For >25 To 50, Deduct	-1.85	
		For >50 To 100, Deduct	-6.56	
		For >100 To 500, Deduct	-12.72	
		For >500 To 1,000, Deduct	-23.26	
		For >1,000, Deduct	-30.65	
21 13 13 00-0184		Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads (21 13 13 00-0163)		
21 13 13 00-0185	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	65.03	7.92
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-1.58	
		For >50 To 100, Deduct	-4.83	
		For >100 To 500, Deduct	-8.92	
		For >500 To 1,000, Deduct	-17.09	
		For >1,000, Deduct	-23.42	
21 13 13 00-0186	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	73.23	8.57
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-1.72	
		For >50 To 100, Deduct	-5.38	
		For >100 To 500, Deduct	-10.01	
		For >500 To 1,000, Deduct	-19.01	
		For >1,000, Deduct	-25.87	
21 13 13 00-0187	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	51.14	7.92
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-1.58	
		For >50 To 100, Deduct	-4.14	
		For >100 To 500, Deduct	-7.18	
		For >500 To 1,000, Deduct	-14.59	
		For >1,000, Deduct	-20.92	
21 13 13 00-0188	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	51.66	8.57
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-1.72	
		For >50 To 100, Deduct	-4.30	
		For >100 To 500, Deduct	-7.32	
		For >500 To 1,000, Deduct	-15.13	
		For >1,000, Deduct	-21.99	
21 13 13 00-0189		Institutional Tamper Resistant Wet-Pipe Sprinkler Heads (21 13 13 00-0018)		
21 13 13 00-0190	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendent Chrome Wet Pipe Sprinkler Head.....	155.61	6.59
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	-1.32	
		For >50 To 100, Deduct	-9.10	
		For >100 To 500, Deduct	-20.11	
		For >500 To 1,000, Deduct	-32.49	
		For >1,000, Deduct	-37.77	
21 13 13 00-0191	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	151.88	6.59
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	-1.32	
		For >50 To 100, Deduct	-8.91	
		For >100 To 500, Deduct	-19.64	
		For >500 To 1,000, Deduct	-31.82	
		For >1,000, Deduct	-37.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0192	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	65.90	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-4.61	
			For >100 To 500, Deduct	-8.90	
			For >500 To 1,000, Deduct	-16.35	
			For >1,000, Deduct	-21.62	
21 13 13 00-0193	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	73.64	6.59
			For >25 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-5.00	
			For >100 To 500, Deduct	-9.86	
			For >500 To 1,000, Deduct	-17.74	
			For >1,000, Deduct	-23.02	
21 13 13 00-0194			Wet-Pipe Sprinkler Head Accessories (21 13 13 00-0011)		
21 13 13 00-0195			Sprinkler Adjustable Steel Drop Nipple (21 13 13 00-0194)		
21 13 13 00-0196	EA		1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150).....	24.94	6.03
			For >25 To 50, Deduct	-0.50	
			For >50 To 100, Deduct	-1.75	
			For >100 To 500, Deduct	-3.37	
			For >500 To 1,000, Deduct	-6.19	
			For >1,000, Deduct	-8.20	
21 13 13 00-0197	EA		1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150).....	24.94	6.03
			For >25 To 50, Deduct	-0.50	
			For >50 To 100, Deduct	-1.75	
			For >100 To 500, Deduct	-3.37	
			For >500 To 1,000, Deduct	-6.19	
			For >1,000, Deduct	-8.20	
21 13 13 00-0198	EA		1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150).....	25.25	6.03
			For >25 To 50, Deduct	-0.50	
			For >50 To 100, Deduct	-1.76	
			For >100 To 500, Deduct	-3.41	
			For >500 To 1,000, Deduct	-6.25	
			For >1,000, Deduct	-8.26	
21 13 13 00-0199	EA		1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150).....	22.11	6.03
			For >25 To 50, Deduct	-0.50	
			For >50 To 100, Deduct	-1.61	
			For >100 To 500, Deduct	-3.01	
			For >500 To 1,000, Deduct	-5.68	
			For >1,000, Deduct	-7.69	
21 13 13 00-0200	EA		1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150).....	22.11	6.03
			For >25 To 50, Deduct	-0.50	
			For >50 To 100, Deduct	-1.61	
			For >100 To 500, Deduct	-3.01	
			For >500 To 1,000, Deduct	-5.68	
			For >1,000, Deduct	-7.69	
21 13 13 00-0201	EA		1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150).....	22.11	6.03
			For >25 To 50, Deduct	-0.50	
			For >50 To 100, Deduct	-1.61	
			For >100 To 500, Deduct	-3.01	
			For >500 To 1,000, Deduct	-5.68	
			For >1,000, Deduct	-7.69	
21 13 13 00-0202	EA		1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175).....	24.75	6.54
			For >25 To 50, Deduct	-0.55	
			For >50 To 100, Deduct	-1.78	
			For >100 To 500, Deduct	-3.37	
			For >500 To 1,000, Deduct	-6.31	
			For >1,000, Deduct	-8.49	
21 13 13 00-0203			Sprinkler Head Escutcheon (21 13 13 00-0194)		
21 13 13 00-0204	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	10.06	2.38
			For >25 To 50, Deduct	-0.20	
			For >50 To 100, Deduct	-0.70	
			For >100 To 500, Deduct	-1.36	
			For >500 To 1,000, Deduct	-2.48	
			For >1,000, Deduct	-3.27	
21 13 13 00-0205	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	6.98	2.38
			For >25 To 50, Deduct	-0.20	
			For >50 To 100, Deduct	-0.55	
			For >100 To 500, Deduct	-0.97	
			For >500 To 1,000, Deduct	-1.93	
			For >1,000, Deduct	-2.72	
21 13 13 00-0206	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	6.98	2.38
			For >25 To 50, Deduct	-0.20	
			For >50 To 100, Deduct	-0.55	
			For >100 To 500, Deduct	-0.97	
			For >500 To 1,000, Deduct	-1.93	
			For >1,000, Deduct	-2.72	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0207	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	10.06	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.70	
			<i>For >100 To 500, Deduct</i>	-1.36	
			<i>For >500 To 1,000, Deduct</i>	-2.48	
			<i>For >1,000, Deduct</i>	-3.27	
21 13 13 00-0208	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	6.98	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.55	
			<i>For >100 To 500, Deduct</i>	-0.97	
			<i>For >500 To 1,000, Deduct</i>	-1.93	
			<i>For >1,000, Deduct</i>	-2.72	
21 13 13 00-0209	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	6.98	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.55	
			<i>For >100 To 500, Deduct</i>	-0.97	
			<i>For >500 To 1,000, Deduct</i>	-1.93	
			<i>For >1,000, Deduct</i>	-2.72	
21 13 13 00-0210	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	9.50	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.67	
			<i>For >100 To 500, Deduct</i>	-1.29	
			<i>For >500 To 1,000, Deduct</i>	-2.38	
			<i>For >1,000, Deduct</i>	-3.17	
21 13 13 00-0211	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	6.98	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.55	
			<i>For >100 To 500, Deduct</i>	-0.97	
			<i>For >500 To 1,000, Deduct</i>	-1.93	
			<i>For >1,000, Deduct</i>	-2.72	
21 13 13 00-0212	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	6.98	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.55	
			<i>For >100 To 500, Deduct</i>	-0.97	
			<i>For >500 To 1,000, Deduct</i>	-1.93	
			<i>For >1,000, Deduct</i>	-2.72	
21 13 13 00-0213	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	9.50	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.67	
			<i>For >100 To 500, Deduct</i>	-1.29	
			<i>For >500 To 1,000, Deduct</i>	-2.38	
			<i>For >1,000, Deduct</i>	-3.17	
21 13 13 00-0214	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	6.98	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.55	
			<i>For >100 To 500, Deduct</i>	-0.97	
			<i>For >500 To 1,000, Deduct</i>	-1.93	
			<i>For >1,000, Deduct</i>	-2.72	
21 13 13 00-0215	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	6.98	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.55	
			<i>For >100 To 500, Deduct</i>	-0.97	
			<i>For >500 To 1,000, Deduct</i>	-1.93	
			<i>For >1,000, Deduct</i>	-2.72	
21 13 13 00-0216	EA		3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon.....	9.78	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.69	
			<i>For >100 To 500, Deduct</i>	-1.32	
			<i>For >500 To 1,000, Deduct</i>	-2.43	
			<i>For >1,000, Deduct</i>	-3.22	
21 13 13 00-0217	EA		3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon.....	9.78	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.69	
			<i>For >100 To 500, Deduct</i>	-1.32	
			<i>For >500 To 1,000, Deduct</i>	-2.43	
			<i>For >1,000, Deduct</i>	-3.22	
21 13 13 00-0218	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon.....	3.88	1.74
			<i>For >25 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.33	
			<i>For >100 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-1.15	
			<i>For >1,000, Deduct</i>	-1.68	
21 13 13 00-0219	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	3.49	1.74
			<i>For >25 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 500, Deduct</i>	-0.50	
			<i>For >500 To 1,000, Deduct</i>	-1.08	
			<i>For >1,000, Deduct</i>	-1.61	
21 13 13 00-0220	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	3.59	1.74
			<i>For >25 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-1.10	
			<i>For >1,000, Deduct</i>	-1.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0221	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon.....	3.95	1.74
			<i>For >25 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.33	
			<i>For >100 To 500, Deduct</i>	-0.56	
			<i>For >500 To 1,000, Deduct</i>	-1.16	
			<i>For >1,000, Deduct</i>	-1.69	
21 13 13 00-0222	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	3.56	1.74
			<i>For >25 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-1.09	
			<i>For >1,000, Deduct</i>	-1.62	
21 13 13 00-0223	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon.....	3.56	1.74
			<i>For >25 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-1.09	
			<i>For >1,000, Deduct</i>	-1.62	
21 13 13 00-0224	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	4.35	1.74
			<i>For >25 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.35	
			<i>For >100 To 500, Deduct</i>	-0.61	
			<i>For >500 To 1,000, Deduct</i>	-1.23	
			<i>For >1,000, Deduct</i>	-1.76	
21 13 13 00-0225	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	3.55	1.74
			<i>For >25 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-1.09	
			<i>For >1,000, Deduct</i>	-1.62	
21 13 13 00-0226	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	3.55	1.74
			<i>For >25 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-1.09	
			<i>For >1,000, Deduct</i>	-1.62	
21 13 13 00-0227	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	5.84	2.44
			<i>For >25 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.48	
			<i>For >100 To 500, Deduct</i>	-0.82	
			<i>For >500 To 1,000, Deduct</i>	-1.68	
			<i>For >1,000, Deduct</i>	-2.42	
21 13 13 00-0228	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	5.63	2.44
			<i>For >25 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.47	
			<i>For >100 To 500, Deduct</i>	-0.80	
			<i>For >500 To 1,000, Deduct</i>	-1.64	
			<i>For >1,000, Deduct</i>	-2.38	
21 13 13 00-0229	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon.....	5.70	2.44
			<i>For >25 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.47	
			<i>For >100 To 500, Deduct</i>	-0.80	
			<i>For >500 To 1,000, Deduct</i>	-1.65	
			<i>For >1,000, Deduct</i>	-2.39	
21 13 13 00-0230	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	5.91	2.44
			<i>For >25 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.48	
			<i>For >100 To 500, Deduct</i>	-0.83	
			<i>For >500 To 1,000, Deduct</i>	-1.69	
			<i>For >1,000, Deduct</i>	-2.43	
21 13 13 00-0231	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	5.70	2.44
			<i>For >25 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.47	
			<i>For >100 To 500, Deduct</i>	-0.80	
			<i>For >500 To 1,000, Deduct</i>	-1.65	
			<i>For >1,000, Deduct</i>	-2.39	
21 13 13 00-0232	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	5.84	2.44
			<i>For >25 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.48	
			<i>For >100 To 500, Deduct</i>	-0.82	
			<i>For >500 To 1,000, Deduct</i>	-1.68	
			<i>For >1,000, Deduct</i>	-2.42	
21 13 13 00-0233	EA		Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	12.33	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100 To 500, Deduct</i>	-1.64	
			<i>For >500 To 1,000, Deduct</i>	-2.89	
			<i>For >1,000, Deduct</i>	-3.68	
21 13 13 00-0234	EA		Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	12.33	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100 To 500, Deduct</i>	-1.64	
			<i>For >500 To 1,000, Deduct</i>	-2.89	
			<i>For >1,000, Deduct</i>	-3.68	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0235	EA		Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	12.33	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100 To 500, Deduct</i>	-1.64	
			<i>For >500 To 1,000, Deduct</i>	-2.89	
			<i>For >1,000, Deduct</i>	-3.68	
21 13 13 00-0236	EA		Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	12.33	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100 To 500, Deduct</i>	-1.64	
			<i>For >500 To 1,000, Deduct</i>	-2.89	
			<i>For >1,000, Deduct</i>	-3.68	
21 13 13 00-0237	EA		Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	12.33	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100 To 500, Deduct</i>	-1.64	
			<i>For >500 To 1,000, Deduct</i>	-2.89	
			<i>For >1,000, Deduct</i>	-3.68	
21 13 13 00-0238	EA		White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	12.33	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100 To 500, Deduct</i>	-1.64	
			<i>For >500 To 1,000, Deduct</i>	-2.89	
			<i>For >1,000, Deduct</i>	-3.68	
21 13 13 00-0239	EA		2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	14.24	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.91	
			<i>For >100 To 500, Deduct</i>	-1.88	
			<i>For >500 To 1,000, Deduct</i>	-3.23	
			<i>For >1,000, Deduct</i>	-4.02	
21 13 13 00-0240	EA		2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	14.68	2.38
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.93	
			<i>For >100 To 500, Deduct</i>	-1.93	
			<i>For >500 To 1,000, Deduct</i>	-3.31	
			<i>For >1,000, Deduct</i>	-4.10	
21 13 13 00-0241			Coverplate For Sprinkler Heads (21 13 13 00-0194)		
21 13 13 00-0242	EA		Chrome Coverplate For Concealed Pendent Sprinkler Head	29.39	2.69
			<i>For >25 To 50, Deduct</i>	-0.22	
			<i>For >50 To 100, Deduct</i>	-1.69	
			<i>For >100 To 500, Deduct</i>	-3.79	
			<i>For >500 To 1,000, Deduct</i>	-6.05	
			<i>For >1,000, Deduct</i>	-6.95	
21 13 13 00-0243	EA		White Coverplate For Concealed Pendent Sprinkler Head	14.19	2.69
			<i>For >25 To 50, Deduct</i>	-0.22	
			<i>For >50 To 100, Deduct</i>	-0.93	
			<i>For >100 To 500, Deduct</i>	-1.89	
			<i>For >500 To 1,000, Deduct</i>	-3.32	
			<i>For >1,000, Deduct</i>	-4.22	
21 13 13 00-0244	EA		Specialty Coverplate For Concealed Pendent Sprinkler Head.....	20.78	2.69
			<i>For >25 To 50, Deduct</i>	-0.22	
			<i>For >50 To 100, Deduct</i>	-1.26	
			<i>For >100 To 500, Deduct</i>	-2.71	
			<i>For >500 To 1,000, Deduct</i>	-4.50	
			<i>For >1,000, Deduct</i>	-5.40	
21 13 13 00-0245	EA		Brass Coverplate For Concealed Sidewall Sprinkler Head	19.07	2.69
			<i>For >25 To 50, Deduct</i>	-0.22	
			<i>For >50 To 100, Deduct</i>	-1.18	
			<i>For >100 To 500, Deduct</i>	-2.50	
			<i>For >500 To 1,000, Deduct</i>	-4.20	
			<i>For >1,000, Deduct</i>	-5.09	
21 13 13 00-0246	EA		Chrome Coverplate For Concealed Sidewall Sprinkler Head	15.20	2.69
			<i>For >25 To 50, Deduct</i>	-0.22	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100 To 500, Deduct</i>	-2.01	
			<i>For >500 To 1,000, Deduct</i>	-3.50	
			<i>For >1,000, Deduct</i>	-4.40	
21 13 13 00-0247	EA		White Coverplate For Concealed Sidewall Sprinkler Head	15.20	2.69
			<i>For >25 To 50, Deduct</i>	-0.22	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100 To 500, Deduct</i>	-2.01	
			<i>For >500 To 1,000, Deduct</i>	-3.50	
			<i>For >1,000, Deduct</i>	-4.40	
21 13 13 00-0248	EA		Off-White Coverplate For Concealed Sidewall Sprinkler Head	19.07	2.69
			<i>For >25 To 50, Deduct</i>	-0.22	
			<i>For >50 To 100, Deduct</i>	-1.18	
			<i>For >100 To 500, Deduct</i>	-2.50	
			<i>For >500 To 1,000, Deduct</i>	-4.20	
			<i>For >1,000, Deduct</i>	-5.09	
21 13 13 00-0249	EA		Black Painted Coverplate For Concealed Sidewall Sprinkler Head	19.07	2.69
			<i>For >25 To 50, Deduct</i>	-0.22	
			<i>For >50 To 100, Deduct</i>	-1.18	
			<i>For >100 To 500, Deduct</i>	-2.50	
			<i>For >500 To 1,000, Deduct</i>	-4.20	
			<i>For >1,000, Deduct</i>	-5.09	



Fire Suppression	21
Water-Based Fire-Suppression Systems	21 10
Fire-Suppression Sprinkler Systems	21 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0250	EA		Black Plated Coverplate For Concealed Sidewall Sprinkler Head <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	22.15 -0.22 -1.33 -2.88 -4.75 -5.65	2.69
21 13 13 00-0251	EA		Bright Brass Coverplate For Concealed Sidewall Sprinkler Head..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	22.15 -0.22 -1.33 -2.88 -4.75 -5.65	2.69
21 13 13 00-0252	EA		Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	22.15 -0.22 -1.33 -2.88 -4.75 -5.65	2.69
21 13 13 00-0253	EA		Specialty Coverplate For Concealed Sidewall Sprinkler Head..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	19.09 -0.22 -1.18 -2.50 -4.20 -5.10	2.69
21 13 13 00-0254	EA		White Coverplate For Quick Release Concealed Sidewall Sprinkler Head..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	32.67 -0.26 -1.90 -4.22 -6.78 -7.83	3.16
21 13 13 00-0255	EA		Cover Plate For Concealed Pendent Sprinkler Head (Tyco RFII).....	15.23	2.64
21 13 13 00-0256			Sprinkler Escutcheon Extension Tube <small>(21 13 13 00-0194)</small>		
21 13 13 00-0257	EA		2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	7.46 -0.13 -0.51 -1.00 -1.79 -2.32	1.59
21 13 13 00-0258	EA		2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	9.73 -0.14 -0.63 -1.29 -2.22 -2.78	1.66
21 13 13 00-0259	EA		2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	12.26 -0.15 -0.76 -1.61 -2.70 -3.28	1.74
21 13 13 00-0260	EA		2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	14.53 -0.15 -0.88 -1.89 -3.13 -3.74	1.82
21 13 13 00-0261			Sprinkler Head Guards <small>(21 13 13 00-0194)</small>		
21 13 13 00-0262	EA		Universal Sprinkler Head Guard, C-1 <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	10.98 -0.40 -0.95 -1.57 -3.32 -4.91	4.75
21 13 13 00-0263	EA		Dry Pendent Sprinkler Head Guard, C-2 <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	12.17 -0.40 -1.00 -1.72 -3.54 -5.12	4.75
21 13 13 00-0264	EA		Upright Sprinkler Head Guard With Water Shield, C-3 <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	14.19 -0.40 -1.11 -1.97 -3.90 -5.48	4.75
21 13 13 00-0265	EA		Pendent Sprinkler Head Guard With Water Shield, C-5 <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	16.69 -0.40 -1.23 -2.28 -4.35 -5.93	4.75

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0266	EA		Universal Sprinkler Head Guard, D-1.....	12.13	4.75
			<i>For >25 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100 To 500, Deduct</i>	-1.71	
			<i>For >500 To 1,000, Deduct</i>	-3.53	
			<i>For >1,000, Deduct</i>	-5.11	
21 13 13 00-0267	EA		Upright Sprinkler Head Guard With Water Shield, D-3.....	12.90	4.75
			<i>For >25 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-1.04	
			<i>For >100 To 500, Deduct</i>	-1.81	
			<i>For >500 To 1,000, Deduct</i>	-3.67	
			<i>For >1,000, Deduct</i>	-5.25	
21 13 13 00-0268	EA		Pendent Sprinkler Head Guard With Large Water Shield, D-4.....	18.62	4.75
			<i>For >25 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-1.33	
			<i>For >100 To 500, Deduct</i>	-2.53	
			<i>For >500 To 1,000, Deduct</i>	-4.70	
			<i>For >1,000, Deduct</i>	-6.28	
21 13 13 00-0269	EA		Pendent Sprinkler Head Guard With Small Water Shield, D-5.....	17.47	4.75
			<i>For >25 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100 To 500, Deduct</i>	-2.38	
			<i>For >500 To 1,000, Deduct</i>	-4.49	
			<i>For >1,000, Deduct</i>	-6.08	
21 13 13 00-0270			Flexible Sprinkler Piping <small>(21 13 13 00-0011)</small>		
			Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0271	EA		2' Long Stainless Steel Flexible Sprinkler Piping.....	39.28	8.18
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-2.79	
			<i>For >100 To 500, Deduct</i>	-5.32	
			<i>For >500 To 1,000, Deduct</i>	-9.87	
			<i>For >1,000, Deduct</i>	-13.17	
21 13 13 00-0272	EA		3' Long Stainless Steel Flexible Sprinkler Piping.....	43.62	8.44
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-0.87	
			<i>For >50 To 100, Deduct</i>	-3.05	
			<i>For >100 To 500, Deduct</i>	-5.89	
			<i>For >500 To 1,000, Deduct</i>	-10.80	
			<i>For >1,000, Deduct</i>	-14.27	
21 13 13 00-0273	EA		4' Long Stainless Steel Flexible Sprinkler Piping.....	48.04	8.97
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-3.32	
			<i>For >100 To 500, Deduct</i>	-6.46	
			<i>For >500 To 1,000, Deduct</i>	-11.76	
			<i>For >1,000, Deduct</i>	-15.43	
21 13 13 00-0274	EA		5' Long Stainless Steel Flexible Sprinkler Piping.....	52.59	9.49
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-0.97	
			<i>For >50 To 100, Deduct</i>	-3.60	
			<i>For >100 To 500, Deduct</i>	-7.06	
			<i>For >500 To 1,000, Deduct</i>	-12.76	
			<i>For >1,000, Deduct</i>	-16.64	
21 13 13 00-0275	EA		6' Long Stainless Steel Flexible Sprinkler Piping.....	57.27	10.56
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-1.03	
			<i>For >50 To 100, Deduct</i>	-3.89	
			<i>For >100 To 500, Deduct</i>	-7.67	
			<i>For >500 To 1,000, Deduct</i>	-13.81	
			<i>For >1,000, Deduct</i>	-17.94	
21 13 16			Dry-Pipe Sprinkler Systems <small>(21 13)</small>		
21 13 16 00-0001			Complete Dry-Pipe Sprinkler Systems <small>(21 13 16)</small>		
			Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 16 00-0002			Light Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small>		
21 13 16 00-0003	EA		Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head.....	251.48	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Up To 5, Add</i>	115.41	
			<i>For >5 To 10, Add</i>	62.19	
			<i>For >10 To 20, Add</i>	47.38	
			<i>For >20 To 40, Add</i>	19.98	
			<i>For >100 To 150, Deduct</i>	-25.15	
			<i>For >150, Deduct</i>	-50.30	
			<i>For Copper Pipe, Add</i>	30.31	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-42.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0004	EA		Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head 313.56 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Up To 5, Add</i>	145.52	
			<i>For >5 To 10, Add</i>	81.61	
			<i>For >10 To 20, Add</i>	61.51	
			<i>For >20 To 40, Add</i>	25.73	
			<i>For >100 To 150, Deduct</i>	-31.36	
			<i>For >150, Deduct</i>	-62.71	
			<i>For Copper Pipe, Add</i>	36.98	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-52.66	
21 13 16 00-0005			Ordinary Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small>		
21 13 16 00-0006	EA		Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head 255.68 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Up To 5, Add</i>	116.91	
			<i>For >5 To 10, Add</i>	62.15	
			<i>For >10 To 20, Add</i>	47.52	
			<i>For >20 To 40, Add</i>	20.10	
			<i>For >100 To 150, Deduct</i>	-25.57	
			<i>For >150, Deduct</i>	-51.14	
			<i>For Copper Pipe, Add</i>	31.04	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-43.82	
21 13 16 00-0007	EA		Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head 316.13 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Up To 5, Add</i>	146.31	
			<i>For >5 To 10, Add</i>	81.26	
			<i>For >10 To 20, Add</i>	61.40	
			<i>For >20 To 40, Add</i>	25.74	
			<i>For >100 To 150, Deduct</i>	-31.61	
			<i>For >150, Deduct</i>	-63.23	
			<i>For Copper Pipe, Add</i>	37.49	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-53.30	
21 13 16 00-0008			Extra Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small>		
21 13 16 00-0009	EA		Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head 239.97 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Up To 5, Add</i>	109.62	
			<i>For >5 To 10, Add</i>	58.09	
			<i>For >10 To 20, Add</i>	44.45	
			<i>For >20 To 40, Add</i>	18.82	
			<i>For >100 To 150, Deduct</i>	-24.00	
			<i>For >150, Deduct</i>	-47.99	
			<i>For Copper Pipe, Add</i>	29.18	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-41.18	
21 13 16 00-0010	EA		Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head 294.27 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Up To 5, Add</i>	136.20	
			<i>For >5 To 10, Add</i>	75.67	
			<i>For >10 To 20, Add</i>	57.17	
			<i>For >20 To 40, Add</i>	23.96	
			<i>For >100 To 150, Deduct</i>	-29.43	
			<i>For >150, Deduct</i>	-58.85	
			<i>For Copper Pipe, Add</i>	34.89	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-49.61	
21 13 16 00-0011			Dry-Pipe Sprinkler System Equipment <small>(21 13 16 00-0001)</small>		
21 13 16 00-0012	EA		Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge 1,218.80	152.13	
21 13 16 00-0013	EA		Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge 1,273.40	152.13	
21 13 16 00-0014	EA		Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge 1,319.47	152.13	
21 13 16 00-0015	EA		Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge 1,498.63	152.13	
21 13 16 00-0016			Dry-Pipe Sprinkler System Components <small>(21 13 16)</small>		
			Note: Excludes hydraulic calculations.		
21 13 16 00-0017			Dry Pipe Alarm Valves <small>(21 13 16 00-0016)</small>		
21 13 16 00-0018	EA		2" Dry Pipe Alarm Valve 989.36	371.08	
21 13 16 00-0019	EA		3" Dry Pipe Alarm Valve 1,319.03	506.55	
21 13 16 00-0020	EA		4" Dry Pipe Alarm Valve 2,518.51	709.17	
21 13 16 00-0021	EA		6" Dry Pipe Alarm Valve 3,347.99	837.91	
21 13 16 00-0022	EA		8" Dry Pipe Alarm Valve 4,284.00	921.70	
21 13 16 00-0023			Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response <small>(21 13 16 00-0016)</small>		
21 13 16 00-0024	EA		3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head 112.77	10.45	
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-7.22	
			<i>For >100 To 500, Deduct</i>	-14.89	
			<i>For >500 To 1,000, Deduct</i>	-25.68	
			<i>For >1,000, Deduct</i>	-32.01	
21 13 16 00-0025	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head 117.44	10.45	
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-7.46	
			<i>For >100 To 500, Deduct</i>	-15.47	
			<i>For >500 To 1,000, Deduct</i>	-26.52	
			<i>For >1,000, Deduct</i>	-32.85	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 16 00-0026	EA	9"	To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	122.11	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-7.69	
			<i>For >100 To 500, Deduct</i>	-16.06	
			<i>For >500 To 1,000, Deduct</i>	-27.36	
			<i>For >1,000, Deduct</i>	-33.69	
21 13 16 00-0027	EA	12"	To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	126.80	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-7.92	
			<i>For >100 To 500, Deduct</i>	-16.64	
			<i>For >500 To 1,000, Deduct</i>	-28.21	
			<i>For >1,000, Deduct</i>	-34.54	
21 13 16 00-0028	EA	15"	To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	131.47	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-8.16	
			<i>For >100 To 500, Deduct</i>	-17.23	
			<i>For >500 To 1,000, Deduct</i>	-29.05	
			<i>For >1,000, Deduct</i>	-35.38	
21 13 16 00-0029	EA	18"	To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	136.15	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-8.39	
			<i>For >100 To 500, Deduct</i>	-17.81	
			<i>For >500 To 1,000, Deduct</i>	-29.89	
			<i>For >1,000, Deduct</i>	-36.22	
21 13 16 00-0030	EA	21"	To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	140.82	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-8.62	
			<i>For >100 To 500, Deduct</i>	-18.39	
			<i>For >500 To 1,000, Deduct</i>	-30.73	
			<i>For >1,000, Deduct</i>	-37.06	
21 13 16 00-0031	EA	24"	To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	145.51	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-8.86	
			<i>For >100 To 500, Deduct</i>	-18.98	
			<i>For >500 To 1,000, Deduct</i>	-31.57	
			<i>For >1,000, Deduct</i>	-37.91	
21 13 16 00-0032	EA	27"	To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	150.17	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-9.09	
			<i>For >100 To 500, Deduct</i>	-19.56	
			<i>For >500 To 1,000, Deduct</i>	-32.41	
			<i>For >1,000, Deduct</i>	-38.74	
21 13 16 00-0033	EA	30"	To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	154.85	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-9.33	
			<i>For >100 To 500, Deduct</i>	-20.15	
			<i>For >500 To 1,000, Deduct</i>	-33.26	
			<i>For >1,000, Deduct</i>	-39.59	
21 13 16 00-0034	EA	33"	To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	159.54	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-9.56	
			<i>For >100 To 500, Deduct</i>	-20.73	
			<i>For >500 To 1,000, Deduct</i>	-34.10	
			<i>For >1,000, Deduct</i>	-40.43	
21 13 16 00-0035	EA	36"	To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	164.21	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-9.79	
			<i>For >100 To 500, Deduct</i>	-21.32	
			<i>For >500 To 1,000, Deduct</i>	-34.94	
			<i>For >1,000, Deduct</i>	-41.27	
21 13 16 00-0036	EA	39"	To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	168.90	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-10.03	
			<i>For >100 To 500, Deduct</i>	-21.90	
			<i>For >500 To 1,000, Deduct</i>	-35.78	
			<i>For >1,000, Deduct</i>	-42.12	
21 13 16 00-0037	EA	42"	To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	173.56	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-10.26	
			<i>For >100 To 500, Deduct</i>	-22.49	
			<i>For >500 To 1,000, Deduct</i>	-36.62	
			<i>For >1,000, Deduct</i>	-42.96	
21 13 16 00-0038	EA	45"	To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	178.24	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-10.50	
			<i>For >100 To 500, Deduct</i>	-23.07	
			<i>For >500 To 1,000, Deduct</i>	-37.47	
			<i>For >1,000, Deduct</i>	-43.80	
21 13 16 00-0039			Sidewall Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)		
21 13 16 00-0040	EA	3-1/2"	To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	111.64	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-7.17	
			<i>For >100 To 500, Deduct</i>	-14.75	
			<i>For >500 To 1,000, Deduct</i>	-25.48	
			<i>For >1,000, Deduct</i>	-31.81	



Fire Suppression	21	
Water-Based Fire-Suppression Systems	21 10	12
Fire-Suppression Sprinkler Systems	21 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0041	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	116.32	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-7.40	
			<i>For >100 To 500, Deduct</i>	-15.33	
			<i>For >500 To 1,000, Deduct</i>	-26.32	
			<i>For >1,000, Deduct</i>	-32.65	
21 13 16 00-0042	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	121.01	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-7.63	
			<i>For >100 To 500, Deduct</i>	-15.92	
			<i>For >500 To 1,000, Deduct</i>	-27.16	
			<i>For >1,000, Deduct</i>	-33.50	
21 13 16 00-0043	EA		12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	125.67	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-7.87	
			<i>For >100 To 500, Deduct</i>	-16.50	
			<i>For >500 To 1,000, Deduct</i>	-28.00	
			<i>For >1,000, Deduct</i>	-34.33	
21 13 16 00-0044	EA		15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	130.35	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-8.10	
			<i>For >100 To 500, Deduct</i>	-17.09	
			<i>For >500 To 1,000, Deduct</i>	-28.85	
			<i>For >1,000, Deduct</i>	-35.18	
21 13 16 00-0045	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	135.02	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-8.33	
			<i>For >100 To 500, Deduct</i>	-17.67	
			<i>For >500 To 1,000, Deduct</i>	-29.69	
			<i>For >1,000, Deduct</i>	-36.02	
21 13 16 00-0046	EA		21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	139.71	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-8.57	
			<i>For >100 To 500, Deduct</i>	-18.26	
			<i>For >500 To 1,000, Deduct</i>	-30.53	
			<i>For >1,000, Deduct</i>	-36.86	
21 13 16 00-0047	EA		24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	144.39	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-8.80	
			<i>For >100 To 500, Deduct</i>	-18.84	
			<i>For >500 To 1,000, Deduct</i>	-31.37	
			<i>For >1,000, Deduct</i>	-37.70	
21 13 16 00-0048	EA		27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	149.05	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-9.04	
			<i>For >100 To 500, Deduct</i>	-19.42	
			<i>For >500 To 1,000, Deduct</i>	-32.21	
			<i>For >1,000, Deduct</i>	-38.54	
21 13 16 00-0049	EA		30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	153.73	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-9.27	
			<i>For >100 To 500, Deduct</i>	-20.01	
			<i>For >500 To 1,000, Deduct</i>	-33.05	
			<i>For >1,000, Deduct</i>	-39.39	
21 13 16 00-0050	EA		33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	158.41	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-9.50	
			<i>For >100 To 500, Deduct</i>	-20.59	
			<i>For >500 To 1,000, Deduct</i>	-33.90	
			<i>For >1,000, Deduct</i>	-40.23	
21 13 16 00-0051	EA		36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	163.08	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-9.74	
			<i>For >100 To 500, Deduct</i>	-21.18	
			<i>For >500 To 1,000, Deduct</i>	-34.74	
			<i>For >1,000, Deduct</i>	-41.07	
21 13 16 00-0052	EA		39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	177.12	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-10.44	
			<i>For >100 To 500, Deduct</i>	-22.93	
			<i>For >500 To 1,000, Deduct</i>	-37.26	
			<i>For >1,000, Deduct</i>	-43.60	
21 13 16 00-0053	EA		42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	181.80	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-10.67	
			<i>For >100 To 500, Deduct</i>	-23.52	
			<i>For >500 To 1,000, Deduct</i>	-38.11	
			<i>For >1,000, Deduct</i>	-44.44	
21 13 16 00-0054	EA		45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	183.66	10.45
			<i>For >25 To 50, Deduct</i>	-1.58	
			<i>For >50 To 100, Deduct</i>	-10.77	
			<i>For >100 To 500, Deduct</i>	-23.75	
			<i>For >500 To 1,000, Deduct</i>	-38.44	
			<i>For >1,000, Deduct</i>	-44.77	

21 13 19 Preaction Sprinkler Systems (21 13)

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 19 00-0001		Complete Praction Sprinkler Systems <small>(21 13 19)</small> Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 19 00-0002		Ordinary Hazard, Praction Sprinkler Systems <small>(21 13 19 00-0001)</small>		
21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Praction Sprinkler System, Per Head.....	240.43	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	110.81	
		For >5 To 10, Add	70.04	
		For >10 To 20, Add	45.99	
		For >20 To 40, Add	19.34	
		For >100 To 150, Deduct	-24.04	
		For >150, Deduct	-48.09	
21 13 19 00-0004		Extra Hazard, Praction Sprinkler Systems <small>(21 13 19 00-0001)</small>		
21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Praction Sprinkler System, Per Head.....	223.85	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	103.18	
		For >5 To 10, Add	65.22	
		For >10 To 20, Add	42.84	
		For >20 To 40, Add	18.01	
		For >100 To 150, Deduct	-22.39	
		For >150, Deduct	-44.77	
21 13 26		Deluge Fire-Suppression Sprinkler Systems <small>(21 13)</small>		
21 13 26 00-0001		Deluge Fire-Suppression Sprinkler Systems Equipment <small>(21 13 26)</small> See CSI section 23 21 13 23-0000 for pipe and fittings.		
21 13 26 00-0002		Deluge Fire-Suppression Sprinkler System Nozzles <small>(21 13 26 00-0001)</small>		
21 13 26 00-0003	EA	3/8" Auto Deluge Sprinkler Nozzle.....	52.25	22.64
21 13 26 00-0004	EA	1/2" Pendant Deluge Spring Nozzle With Open Head.....	52.25	22.64
21 13 26 00-0005	EA	1/2" Pendant Deluge Spring Nozzle Open Head With Canopy.....	52.25	22.64
21 13 26 00-0006		Deluge Valves With Required Trim And Release Equipment <small>(21 13 26 00-0001)</small>		
21 13 26 00-0007	EA	3" Deluge Valve With Trim And Release Equipment.....	3,930.86	293.19
21 13 26 00-0008	EA	4" Deluge Valve With Trim And Release Equipment.....	4,510.05	329.81
21 13 26 00-0009	EA	6" Deluge Valve With Trim And Release Equipment.....	5,561.94	479.73
21 13 39		Foam-Water Systems <small>(21 13)</small>		
21 13 39 00-0001		Foam Control Valves And Monitors <small>(21 13 39)</small>		
21 13 39 00-0002		Control Valves <small>(21 13 39 00-0001)</small>		
21 13 39 00-0003	EA	3" Foam Control Valve.....	1,799.82	293.19
21 13 39 00-0004		Supply Valves <small>(21 13 39 00-0001)</small>		
21 13 39 00-0005	EA	2-1/2" Foam Supply Valve.....	1,603.46	329.81
21 13 39 00-0006		Proportioners <small>(21 13 39 00-0001)</small>		
21 13 39 00-0007	EA	8" Foam Proportioner.....	1,261.17	479.73
21 13 39 00-0008		Monitors <small>(21 13 39 00-0001)</small>		
21 13 39 00-0009	EA	Oscillating Foam Monitor.....	1,939.31	65.97
21 13 41		Fire-Suppression Sprinkler Piping <small>(21 13)</small> See CSI section 23 21 13 23-0000 for black steel piping.		
21 13 41 00-0001		Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <small>(21 13 41)</small> Note: SDR 13.5		
21 13 41 00-0002		Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <small>(21 13 41 00-0001)</small>		
21 13 41 00-0003	LF	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	2.91	0.85
21 13 41 00-0004	LF	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	3.49	0.90
21 13 41 00-0005	LF	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	4.41	1.00
21 13 41 00-0006	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	5.42	1.11
21 13 41 00-0007	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	6.99	1.21
21 13 41 00-0008	LF	2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	9.59	1.38
21 13 41 00-0009	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	13.44	1.64
21 13 41 00-0010		Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0011 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	13.72	5.07
21 13 41 00-0012 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	18.15	6.33
21 13 41 00-0013 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	22.71	7.92
21 13 41 00-0014 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	26.01	8.76
21 13 41 00-0015 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	29.55	9.82
21 13 41 00-0016 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	37.59	11.13
21 13 41 00-0017 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	46.15	13.20
21 13 41 00-0018 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0019 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	14.08	5.07
21 13 41 00-0020 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	17.56	6.33
21 13 41 00-0021 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	22.26	7.92
21 13 41 00-0022 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	25.30	8.76
21 13 41 00-0023 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	28.66	9.82
21 13 41 00-0024 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	35.35	11.13
21 13 41 00-0025 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	43.69	13.20
21 13 41 00-0026 Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0027 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	20.41	7.60
21 13 41 00-0028 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	26.64	9.56
21 13 41 00-0029 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	33.96	11.92
21 13 41 00-0030 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	39.11	13.20
21 13 41 00-0031 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	45.88	14.67
21 13 41 00-0032 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	56.68	16.72
21 13 41 00-0033 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	66.96	19.74
21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0035 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	24.59	8.92
21 13 41 00-0036 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	32.12	11.13
21 13 41 00-0037 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	35.99	12.30
21 13 41 00-0038 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	42.72	13.72
21 13 41 00-0039 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	50.57	15.62
21 13 41 00-0040 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping.....	59.48	18.41
21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0042 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	27.56	10.13
21 13 41 00-0043 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	34.56	12.72
21 13 41 00-0044 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	43.56	15.88
21 13 41 00-0045 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	49.18	17.57
21 13 41 00-0046 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	57.68	19.58
21 13 41 00-0047 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping.....	74.70	22.26
21 13 41 00-0048 Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0049 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	9.44	3.38
21 13 41 00-0050 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	12.64	4.54
21 13 41 00-0051 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	16.78	5.97
21 13 41 00-0052 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	19.17	6.59
21 13 41 00-0053 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	22.04	7.33
21 13 41 00-0054 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	26.53	8.34
21 13 41 00-0055 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	32.03	9.87
21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0057 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	4.83	1.69
21 13 41 00-0058 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	7.66	2.74
21 13 41 00-0059 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	8.82	2.95
21 13 41 00-0060 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	10.13	3.28
21 13 41 00-0061 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	12.05	3.69
21 13 41 00-0062 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	14.59	4.17
21 13 41 00-0063 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	19.05	4.96
21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0065 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	13.29	5.02
21 13 41 00-0066 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	17.63	6.54
21 13 41 00-0067 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	19.48	7.23
21 13 41 00-0068 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	22.22	8.07
21 13 41 00-0069 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	26.46	9.18
21 13 41 00-0070 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	32.39	10.87
21 13 41 00-0071 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0072 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	11.89	3.69
21 13 41 00-0073 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	15.27	5.02
21 13 41 00-0074 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0075 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	11.89	3.69
21 13 41 00-0076 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	15.27	5.02
21 13 41 00-0077 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0078 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	13.82	4.54
21 13 41 00-0079 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	17.69	5.70
21 13 41 00-0080 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	18.44	5.70
21 13 41 00-0081 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0082 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	22.68	7.60
21 13 41 00-0083 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	27.83	9.56
21 13 41 00-0084 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	36.39	11.92
21 13 41 00-0085 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	41.68	13.20
21 13 41 00-0086 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	49.01	14.67
21 16 Fire-Suppression Pressure Maintenance Pumps (21 10)		
21 16 00 00-0001 Jockey Pumps (21 16) Note: Includes pump and controller.		
21 16 00 00-0002 EA Jockey Pump And Controller.....	4,154.44	259.04
21 20 Fire-Extinguishing Systems (21)		
21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)		
21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)		
21 21 16 00-0001 Carbon Dioxide Cylinders (21 21 16)		
21 21 16 00-0002 EA Carbon Dioxide Simplex Cylinder, 75 LB.....	936.25	91.55
21 21 16 00-0003 EA Carbon Dioxide Duplex Cylinder, 75 LB (Each).....	1,872.50	183.09
21 21 16 00-0004 EA Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	141.02	54.24
21 21 16 00-0005 EA Carbon Dioxide Cylinder, Dispersion Nozzle.....	65.26	20.62
21 21 16 00-0006 LF Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	17.36	8.36
21 22 Clean-Agent Fire-Extinguishing Systems (21 20)		
21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)		
21 22 16 00-0001 Ansul Fire Control Systems (21 22 16)		
21 22 16 00-0002 Sapphire® Fire Suppression Systems (21 22 16 00-0001) Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.		
21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0004 EA 20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,215.22	31.21
Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0005 EA 40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,394.94	31.21
Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0006 EA 80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,418.57	31.21
Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0007 EA 140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	2,019.37	41.61
Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0008 EA 280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,138.18	41.61
Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0009 EA 390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,269.37	52.02
Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0010 EA 450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	2,414.23	52.02
Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011 EA 850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	3,675.98	62.42
Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0012 LB Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	32.10	62.42
21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0014 EA 1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	111.59	5.20
21 22 16 00-0015 EA 3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	114.65	5.20
21 22 16 00-0016 EA 1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	122.32	5.20
21 22 16 00-0017 EA 1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	127.69	5.20
21 22 16 00-0018 EA 1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	135.35	5.20
21 22 16 00-0019 EA 2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	158.33	5.20
21 22 16 00-0020 EA 1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	111.59	5.20
21 22 16 00-0021 EA 3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	114.65	5.20
21 22 16 00-0022 EA 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	122.32	5.20
21 22 16 00-0023 EA 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	127.69	5.20
21 22 16 00-0024 EA 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	135.35	5.20
21 22 16 00-0025 EA 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	158.33	5.20
21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)		
21 22 16 00-0027 EA 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	7.85	1.56
21 22 16 00-0028 EA 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	9.17	1.56
21 22 16 00-0029 EA 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	9.43	3.64
21 22 16 00-0030 EA 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	30.15	4.66
21 22 16 00-0031 EA 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	49.18	4.66
21 22 16 00-0032 EA 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	61.32	4.66
21 22 16 00-0033 EA 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	25.77	4.66
21 22 16 00-0034 EA Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	160.64	41.61
21 22 16 00-0035 EA Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	172.79	31.21
21 22 16 00-0036 EA Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	445.77	41.61
21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0038 EA Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	28.80	5.20
21 22 16 00-0039 EA Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	32.26	5.20
21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0041 EA Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	89.47	15.60
21 22 16 00-0042 EA Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	96.36	15.60
21 22 16 00-0043 EA Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	105.18	15.60
21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0045 EA 1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	304.13	16.57
21 22 16 00-0046 EA 2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	420.35	28.42
21 22 16 00-0047 Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0048 EA 1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	81.36	10.41
21 22 16 00-0049 EA 2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	363.44	10.41
21 22 16 00-0050 EA 3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	302.88	10.41
21 22 16 00-0051 EA 3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,331.06	41.61
21 22 16 00-0052 Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0053 EA 1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	26.20	7.28
21 22 16 00-0054 EA 2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	54.86	7.28
21 22 16 00-0055 EA 3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	171.37	5.20
21 22 16 00-0056 EA 3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	218.24	5.20
21 22 16 00-0057 Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0058 EA Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	92.58	20.81
21 22 16 00-0059 EA Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	117.89	8.73
21 22 16 00-0060 EA Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	343.39	36.41
21 22 16 00-0061 Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0062 EA Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	472.91	7.28
21 22 16 00-0063 EA Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278).....	495.92	7.28
21 22 16 00-0064 EA Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	525.92	10.41
21 22 16 00-0065 Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0066 EA Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	24.74	6.24
21 22 16 00-0067 EA Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	32.11	7.28
21 22 16 00-0068 EA Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	93.23	31.21
21 22 16 00-0069 EA 1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	119.52	31.21
21 22 16 00-0070 EA 2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	141.37	31.21

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 22 16 00-0071	EA		3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	211.88	31.21
21 22 16 00-0072			Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0073	EA		O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	27.68	8.32
21 22 16 00-0074	EA		Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	62.91	5.20
21 22 16 00-0075	EA		Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	77.92	10.41
21 22 16 00-0076	EA		Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	176.74	41.61
21 22 16 00-0077	EA		Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	310.87	41.61
21 22 16 00-0078	EA		1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,251.34	41.61
21 22 16 00-0079			Inergen® Fire Suppression System (21 22 16 00-0001)		
21 22 16 00-0080			Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0081	EA		Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	127.36	12.71
21 22 16 00-0082	EA		Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	149.40	13.65
21 22 16 00-0083	EA		Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	267.15	24.72
21 22 16 00-0084	EA		Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	528.82	56.30
21 22 16 00-0085			Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0086	EA		2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	1,387.58	74.30
21 22 16 00-0087			Components, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0088	EA		1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	37.68	3.90
21 22 16 00-0089	EA		Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	448.36	41.75
21 22 16 00-0090	EA		30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	1,394.91	130.63
21 22 16 00-0091	EA		60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,318.56	133.09
21 22 16 00-0092			Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)		
			Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA		200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,149.69	119.56
21 22 16 00-0094	EA		250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	1,304.30	135.45
21 22 16 00-0095	EA		350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	1,889.80	175.53
21 22 16 00-0096	EA		435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	1,867.74	214.49
21 22 16 00-0097	EA		250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	1,335.33	151.03
21 22 16 00-0098	EA		350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	1,921.05	191.17
21 22 16 00-0099	EA		435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259).....	1,940.52	230.49
21 22 16 00-0100			Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0101	EA		CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	43.56	4.35
21 22 16 00-0102	EA		CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181).....	43.56	4.35
21 22 16 00-0103	EA		CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954).....	53.06	4.83
21 22 16 00-0104	EA		Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923).....	829.74	82.96
21 22 16 00-0105			Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0106	EA		13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	14.14	1.27
			Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0107	EA		27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	20.04	1.82
			Note: For double row 435 cubic foot cylinders.		
21 22 16 00-0108			Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0109	EA		Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	15.58	1.42
21 22 16 00-0110	EA		Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	14.27	1.42
21 22 16 00-0111			Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0112	EA		1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708).....	62.08	6.12
21 22 16 00-0113	EA		3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711).....	65.06	6.41
21 22 16 00-0114	EA		1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	75.75	7.41
21 22 16 00-0115	EA		1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	84.26	8.36
21 22 16 00-0116	EA		1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	96.66	9.62
21 22 16 00-0117			Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0118	EA		1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908).....	94.90	9.48
21 22 16 00-0119	EA		3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723).....	98.54	9.75
21 22 16 00-0120	EA		1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362).....	90.89	9.03
21 22 16 00-0121	EA		3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363).....	92.40	9.75
21 22 16 00-0122	EA		1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364).....	108.08	10.73
21 22 16 00-0123	EA		1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365).....	115.60	11.43
21 22 16 00-0124	EA		1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366).....	124.38	12.27
21 22 16 00-0125	EA		2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155).....	213.86	21.46
21 22 16 00-0126	EA		2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	282.81	28.15
21 22 16 00-0127	EA		3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137).....	308.14	30.93
21 22 16 00-0128	EA		1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138).....	110.43	11.14
21 22 16 00-0129	EA		3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139).....	130.37	13.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0130 EA 1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	107.30	10.73
21 22 16 00-0131 EA 3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	114.74	11.37
21 22 16 00-0132 EA 1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	115.72	11.43
21 22 16 00-0133 EA 1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	139.67	13.88
21 22 16 00-0134 EA 1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	150.43	15.05
21 22 16 00-0135 EA 2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	230.91	23.09
21 22 16 00-0136 EA 2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	269.50	27.03
21 22 16 00-0137 EA 3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	295.34	29.55
21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0139 EA 1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	124.38	12.27
21 22 16 00-0140 EA 3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	152.45	15.27
21 22 16 00-0141 EA 1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	163.96	16.44
21 22 16 00-0142 EA 1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	230.91	23.09
21 22 16 00-0143 EA 1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	252.21	25.30
21 22 16 00-0144 EA 2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	296.33	29.55
21 22 16 00-0145 EA 2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	344.45	34.64
21 22 16 00-0146 EA 3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	407.11	40.97
21 22 16 00-0147 EA 2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	521.39	80.82
21 22 16 00-0148 EA 3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	678.89	94.76
21 22 16 00-0149 EA 4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	838.32	158.86
21 22 16 00-0150 EA 2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	506.82	80.82
21 22 16 00-0151 EA 3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	560.54	56.45
21 22 16 00-0152 EA 4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	838.32	158.86
21 22 16 00-0153 EA 2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	519.09	80.82
21 22 16 00-0154 EA 3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	582.60	58.87
21 22 16 00-0155 EA 4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	819.92	158.86
21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0157 EA 3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	579.57	61.59
21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0159 EA 12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	956.34	95.56
21 22 16 00-0160 EA 24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,372.32	127.34
21 22 16 00-0161 EA 120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	1,461.82	129.53
21 22 16 00-0162 EA Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	67.72	6.59
21 22 16 00-0163 EA LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	79.87	8.72
21 22 16 00-0164 EA Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	784.54	68.17
21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0166 EA 1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	87.04	6.47
21 22 16 00-0167 EA 3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	91.18	6.82
21 22 16 00-0168 EA 1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	96.02	6.93
21 22 16 00-0169 EA 1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	103.37	7.16
21 22 16 00-0170 EA 1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	107.08	7.86
21 22 16 00-0171 EA 2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	106.83	8.49
21 22 16 00-0172 EA 2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	229.14	22.77
21 22 16 00-0173 EA 3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	231.14	22.99
21 22 16 00-0174 EA 4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	296.33	29.47
21 22 16 00-0175 Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0176 EA Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	108.08	10.73
21 22 16 00-0177 EA Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705)	135.84	24.53
Note: Includes saddle, padding and fasteners.		
21 22 16 00-0178 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0179 EA 2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856)	296.60	15.86
Note: Includes gasket and fasteners.		
21 22 16 00-0180 EA 3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857)	236.68	23.68
Note: Includes gasket and fasteners.		
21 22 16 00-0181 EA 4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858)	413.72	158.86
Note: Includes gasket and fasteners.		
21 22 16 00-0182 EA 2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859)	148.44	14.81
Note: Includes gasket and fasteners.		
21 22 16 00-0183 EA 3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860)	174.26	17.28
Note: Includes gasket and fasteners.		
21 22 16 00-0184 EA 4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861)	409.85	158.86
Note: Includes gasket and fasteners.		

21 Fire Suppression
21 20 Fire-Extinguishing Systems
21 22 Clean-Agent Fire-Extinguishing Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0185	EA		2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	154.42	15.51
21 22 16 00-0186	EA		3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	181.04	18.08
21 22 16 00-0187	EA		4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	429.01	158.86
21 22 16 00-0188	EA		2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	32.54	1.17
21 22 16 00-0189	EA		3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	32.78	1.29
21 22 16 00-0190	EA		4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	35.13	1.54
21 22 16 00-0191			Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0192	EA		Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	18.90	1.88
21 22 16 00-0193	EA		Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	156.93	14.33
21 22 16 00-0194	EA		85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	112.49	14.33
21 22 16 00-0195			Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0001)</small>		
21 22 16 00-0196			Accessory Switches, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0197	EA		Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	121.54	12.36
21 22 16 00-0198	EA		Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	138.08	14.10
21 22 16 00-0199	EA		Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	175.66	17.91
21 22 16 00-0200	EA		Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	189.19	19.30
21 22 16 00-0201	EA		Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	236.77	24.26
21 22 16 00-0202	EA		Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	252.08	25.77
21 22 16 00-0203	EA		Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	482.80	49.69
21 22 16 00-0204	EA		Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	39.26	3.70
21 22 16 00-0205			Alarm Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0206	EA		Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	105.25	10.74
21 22 16 00-0207	EA		Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	154.37	15.71
21 22 16 00-0208	EA		Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	14.08	1.43
21 22 16 00-0209			Annunciators, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0210	EA		80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,211.53	124.68
21 22 16 00-0211	EA		16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,015.71	104.46
21 22 16 00-0212	EA		16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	788.45	81.11
21 22 16 00-0213	EA		32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	686.75	70.60
21 22 16 00-0214	EA		Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	686.75	70.60
21 22 16 00-0215	EA		Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	550.21	56.50
21 22 16 00-0216	EA		Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,015.71	104.46
21 22 16 00-0217	EA		24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	206.71	21.14
21 22 16 00-0218	EA		48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	259.07	26.58
21 22 16 00-0219	EA		8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	519.38	53.39
21 22 16 00-0220	EA		Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	87.83	8.95
21 22 16 00-0221	EA		Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576)	119.23	12.36
21 22 16 00-0222	EA		Note: For up to 4 LDM modules. Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	206.72	21.14
21 22 16 00-0223			Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0224	EA		CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	159.70	17.22
21 22 16 00-0225	EA		REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	9.73	1.18
21 22 16 00-0226	EA		REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	76.48	1.43
21 22 16 00-0227	EA		REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	10.33	1.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0229 EA Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	354.61	38.59
21 22 16 00-0230 EA Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	212.75	22.99
21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0232 EA 7 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	159.45	14.79
21 22 16 00-0233 EA 12 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	332.99	31.32
21 22 16 00-0234 EA 18 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	375.61	35.47
21 22 16 00-0235 EA 25 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	494.75	43.21
21 22 16 00-0236 EA 55 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	791.17	74.99
21 22 16 00-0237 EA BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	117.55	11.90
21 22 16 00-0238 EA BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079)	209.72	21.49
21 22 16 00-0239 EA BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410)	426.44	43.80
21 22 16 00-0240 EA Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207)	1,239.41	127.56
21 22 16 00-0241 EA 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	906.46	93.24
21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0243 EA Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	95.45	9.88
21 22 16 00-0244 EA Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	88.43	9.82
21 22 16 00-0245 EA Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	118.90	14.10
21 22 16 00-0246 EA 2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	179.66	18.37
21 22 16 00-0247 EA NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	138.93	14.91
21 22 16 00-0248 EA Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	130.11	14.33
21 22 16 00-0249 EA Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	20.72	2.28
21 22 16 00-0250 EA Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	76.88	8.08
21 22 16 00-0251 EA Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	77.19	7.86
21 22 16 00-0252 EA HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	22.97	6.47
21 22 16 00-0253 EA Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)	7.11	0.72
21 22 16 00-0254 EA Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	74.29	7.57
21 22 16 00-0255 EA EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	43.48	4.46
21 22 16 00-0256 EA XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	118.07	11.78
21 22 16 00-0257 EA BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	61.65	6.23
21 22 16 00-0258 Manual Pull Stations, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0259 EA Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	17.90	1.68
21 22 16 00-0260 EA Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	11.24	0.92
21 22 16 00-0261 Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0262 EA Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470)	154.37	15.71
21 22 16 00-0263 EA Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	466.79	45.18
21 22 16 00-0264 EA Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	885.17	91.05
21 22 16 00-0265 EA Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	23.70	2.35
21 22 16 00-0266 Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0267 Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0268 EA Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	121.53	11.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0269	EA		Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379).....	307.29	16.72
21 22 16 00-0270	EA		120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	672.17	64.70
21 22 16 00-0271	EA		220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	672.17	64.70
21 22 16 00-0272	EA		120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376)	1,010.13	97.06
			Note: Includes housing and battery cab.		
21 22 16 00-0273	EA		220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377)	1,010.13	97.06
			Note: Includes housing and battery cab.		
21 22 16 00-0274	EA		48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	1,498.49	123.64
21 22 16 00-0275			Blank Plates, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0276	EA		Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	21.69	2.08
21 22 16 00-0277	EA		Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	34.03	2.08
21 22 16 00-0278	EA		Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	48.25	3.93
21 22 16 00-0279	EA		Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	77.32	4.39
21 22 16 00-0280	EA		Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	93.12	8.78
21 22 16 00-0281	EA		Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	179.02	11.10
21 22 16 00-0282			Detectors, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0283	EA		LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350).....	5,008.00	543.07
			Note: Includes 3 blank plates.		
21 22 16 00-0284	EA		LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354)	6,418.23	670.17
			Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285	EA		LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356)	5,795.48	612.40
			Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286	EA		7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	8,112.18	808.83
21 22 16 00-0287	EA		12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	8,536.37	855.05
21 22 16 00-0288	EA		7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359)	8,198.11	820.38
			Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289	EA		12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360)	8,657.99	866.60
			Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290	EA		7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361)	8,892.95	901.26
			Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291	EA		12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363).....	9,269.87	947.48
			Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292	EA		7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365).....	9,746.22	993.70
			Note: Includes centrally mounted programmer module.		
21 22 16 00-0293	EA		12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367).....	10,157.64	1,039.91
			Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294	EA		12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369).....	9,583.63	947.48
			Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0295			Displays, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0296	EA		VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381).....	1,571.19	127.10
			Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0297	EA		VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385)	1,579.62	127.10
			Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0298	EA		VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383)	1,422.36	115.54
			Note: Includes a remote termination card without relays.		
21 22 16 00-0299	EA		VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387)	1,432.17	115.54
			Note: Includes a remote termination card.		
21 22 16 00-0300	EA		VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389)	1,775.46	138.65
			Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0301	EA		VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	1,505.86	120.17
21 22 16 00-0302	EA		VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	1,644.11	134.96
21 22 16 00-0303			Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0304	EA		LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	3,874.14	381.30
21 22 16 00-0305	EA		LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	3,201.84	305.04
21 22 16 00-0306	EA		Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,122.48	115.54
21 22 16 00-0307	EA		VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	818.14	75.10
21 22 16 00-0308	EA		System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,144.13	101.21
21 22 16 00-0309	EA		PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442).....	1,384.79	124.79
			Note: Interface connects PC and LaserPLUS system.		
21 22 16 00-0310	EA		Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	216.28	18.72
21 22 16 00-0311	EA		Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	1,458.22	115.54
21 22 16 00-0312	EA		Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,024.92	95.90
21 22 16 00-0313	EA		VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	806.65	73.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0314 EA Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,026.75	95.90
21 22 16 00-0315 EA Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464).....	1,024.92	95.90
21 22 16 00-0316 EA Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487).....	1,019.27	90.13
21 22 16 00-0317 EA Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	122.53	8.08
21 22 16 00-0318 EA Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	4,914.54	443.70
21 22 16 00-0319 EA Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470).....	8,559.49	776.47
21 22 16 00-0320 EA Detector Cover Assembly With EMC Shields, VSP-013, Vesda® Aspirating Smoke Detection System (Ansul 430473)	69.98	34.66
21 22 16 00-0321 EA Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	672.47	57.77
21 22 16 00-0322 EA Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477).....	15.50	1.15
21 22 16 00-0323 EA Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	9.26	0.23
21 22 16 00-0324 EA US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	368.38	33.51
21 22 16 00-0325 EA Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483).....	446.20	40.67
21 22 16 00-0326 EA Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	643.85	58.92
21 22 16 00-0327 EA RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	94.74	8.78
21 22 16 00-0328 EA Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	14.20	1.85
21 22 16 00-0329 Labels And Decals, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0330 EA Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509).....	13.27	1.38
21 22 16 00-0331 EA Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	13.73	1.62
21 22 16 00-0332 EA Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	21.69	2.08
21 22 16 00-0333 EA Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	21.72	2.08
21 22 16 00-0334 EA Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	78.35	7.86
21 22 16 00-0335 Mounting Hardware, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0336 EA Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	196.88	16.64
21 22 16 00-0337 EA Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	265.56	22.18
21 22 16 00-0338 EA Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	269.76	24.26
21 22 16 00-0339 EA Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457).....	686.12	34.66
21 22 16 00-0340 EA Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	978.77	76.26
21 22 16 00-0341 Pipe And Fittings, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0342 LF 3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	3.24	0.85
21 22 16 00-0343 EA 3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	5.18	1.69
21 22 16 00-0344 EA 3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	13.60	5.07
21 22 16 00-0345 EA 3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	14.29	5.07
21 22 16 00-0346 EA 3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	10.02	3.38
21 22 16 00-0347 EA 3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	16.70	5.07
21 22 16 00-0348 EA 3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	21.17	7.60
21 22 16 00-0349 EA 3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	27.38	8.92
21 22 16 00-0350 LF 1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	2.88	0.84
21 22 16 00-0351 EA Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479).....	12.59	2.55
21 22 16 00-0352 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	16.90	1.85
21 22 16 00-0353 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504).....	24.37	2.55
21 22 16 00-0354 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0355 EA VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396)	1,145.60	88.74
Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0356 EA VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490).....	1,153.50	102.14
21 22 16 00-0357 EA 12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485).....	697.50	62.39
21 22 16 00-0358 EA RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489).....	797.98	70.48
21 22 16 00-0359 EA VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397)	1,145.60	88.74
Note: Remote box includes 7 relays for VLS.		
21 22 16 00-0360 EA VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398)	1,388.45	102.14
Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0361 EA Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468).....	390.87	31.43
21 22 16 00-0362 EA Remote Termination Card (RTCT), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469).....	586.93	48.07
21 22 16 00-0363 EA 7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474).....	1,094.67	99.37

21 Fire Suppression
21 20 Fire-Extinguishing Systems
21 22 Clean-Agent Fire-Extinguishing Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0364	EA		12-Relay, Head Termination Card, VSP-016, Vesda® Aspiring Smoke Detection System (Ansul 430476)	1,606.13	145.59
21 22 16 00-0365			Preferred® Low Pressure CO2 System (21 22 16 00-0001)		
21 22 16 00-0366			Manual Pull Stations, Preferred® Low Pressure CO2 System (21 22 16 00-0365)		
21 22 16 00-0367	EA		Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658)	86.43	8.08
			Note: Excludes FMM-101.		
21 22 16 00-0368	EA		Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659).....	64.70	6.01
21 22 16 00-0369			Industrial Fire Control System (21 22 16 00-0001)		
21 22 16 00-0370			Alarm Devices, Industrial Fire Control System (21 22 16 00-0369)		
21 22 16 00-0371	EA		Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	2,070.68	213.18
21 22 16 00-0372	EA		6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751).....	65.31	4.90
21 22 16 00-0373	EA		24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	62.66	6.36
21 22 16 00-0374	EA		Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	37.29	3.81
21 22 16 00-0375	EA		Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	15.24	1.55
21 22 16 00-0376			Manual Pull Stations, Industrial Fire Control System (21 22 16 00-0369)		
21 22 16 00-0377	EA		SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655).....	71.40	6.70
21 22 16 00-0378	EA		DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656).....	100.63	9.48
21 22 16 00-0379	EA		Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	785.12	74.42
21 22 16 00-0380	EA		Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660).....	22.84	2.15
21 22 16 00-0381	EA		Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654).....	10.25	0.96
21 22 16 00-0382			Marine Fire Control System (21 22 16 00-0001)		
21 22 16 00-0383			Alarm Devices, Marine Fire Control System (21 22 16 00-0382)		
21 22 16 00-0384	EA		Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	41.42	3.88
21 22 16 00-0385	EA		6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	75.89	7.51
21 22 16 00-0386	EA		10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	75.89	7.51
21 22 16 00-0387			FM200 System Equipment (21 22 16)		
21 22 16 00-0388	EA		26 LB Cylinder, Filled, For FM200 Fire Protection system	2,433.47	55.74
21 22 16 00-0389	EA		44 LB Cylinder, Filled, For FM200 Fire Protection system	3,505.08	63.82
21 22 16 00-0390	EA		63 LB Cylinder, Filled, For FM200 Fire Protection system	4,161.21	75.25
21 22 16 00-0391	EA		101 LB Cylinder, Filled, For FM200 Fire Protection system.....	5,525.98	89.19
21 22 16 00-0392	EA		196 LB Cylinder, Filled, For FM200 Fire Protection system	8,666.57	111.48
21 22 16 00-0393	EA		Electro/Mechanical Release, For FM200 Fire Protection system.....	391.83	111.48
21 22 16 00-0394	EA		Manual Pull Station, For FM200 Fire Protection system	137.45	37.07
21 22 16 00-0395	EA		Pneumatic Damper Release, For FM200 Fire Protection system	175.36	27.87
21 22 16 00-0396	LB		FM200 Gas	15.13	
21 22 16 00-0397	EA		Master Cylinder, For FM200 Fire Protection system.....	4,034.00	29.99
21 22 16 00-0398	EA		Shuttle Check Valve, For FM200 Fire Protection system.....	449.19	41.92
21 22 16 00-0399	EA		Solenoid Valve, For FM200 Fire Protection system	583.88	44.93
21 22 16 00-0400	EA		Battery Back-Up, For FM200 Fire Protection system.....	403.91	118.50
21 22 16 00-0401	EA		Control Panel, Single Zone, For FM200 Fire Protection system	2,732.03	222.63
21 22 16 00-0402	EA		Control Panel, Multi Zone, For FM200 Fire Protection system.....	4,339.40	445.76
21 22 16 00-0403	EA		Smoke Or Heat Detector, For FM200 Fire Protection system.....	171.31	44.93
21 22 16 00-0404	EA		Annunciator, For FM200 Fire Protection system.....	2,224.43	168.73
21 22 16 00-0405	EA		Pressure Switch, For FM200 Fire Protection system.....	187.54	44.93
21 22 16 00-0406	EA		Alarm Horn, For FM200 Fire Protection system.....	169.75	44.93
21 22 16 00-0407	EA		Testing, For FM200 Fire Protection system.....	962.77	
21 22 16 00-0408	EA		Abort Switch, For FM200 Fire Protection system.....	121.65	20.91

21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)

21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)

21 23 16 00-0001			Kidde Fire Systems (21 23 16) Note: Kidde or equal.		
21 23 16 00-0002			Cylinders And Hardware (21 23 16 00-0001)		
21 23 16 00-0003	EA		125 Cylinder And Valve Assembly With 1.25 Gallon Of Wet Agent.....	472.72	37.45
21 23 16 00-0004	EA		260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent.....	540.50	46.65
21 23 16 00-0005	EA		400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	662.01	57.55
21 23 16 00-0006	EA		600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	781.51	68.29
21 23 16 00-0007	EA		Discharge Adapter Kit (One Required Per Cylinder).....	26.61	1.96
21 23 16 00-0008	EA		System Valve Actuator.....	94.99	7.78
21 23 16 00-0009	EA		Vent Plug	17.73	1.58
21 23 16 00-0010	EA		Gauge Shield.....	48.08	4.16
21 23 16 00-0011	EA		125 Cylinder Wall Mounting Bracket.....	48.85	4.16
21 23 16 00-0012	EA		260 Cylinder Wall Mounting Bracket.....	51.77	4.41
21 23 16 00-0013	EA		400S And M Cylinder Wall Mounting Bracket	98.48	8.32
21 23 16 00-0014	EA		600 And 400M Cylinder Shelf Bracket.....	95.86	9.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0015 EA 600 And 400M Cylinder Floor Mounting Kit	145.04	9.46
21 23 16 00-0016 EA 125 And 260 Cylinder Replacement Bracket Strap.....	18.93	
21 23 16 00-0017 EA 400 And 600 Cylinder Replacement Bracket Strap.....	20.06	
21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)		
21 23 16 00-0019 EA ADP, F, GRW Or R Nozzle	43.75	3.83
21 23 16 00-0020 EA LPF Or DM Nozzle.....	47.81	3.83
21 23 16 00-0021 EA LPR Nozzle.....	56.15	3.83
21 23 16 00-0022 EA 3/8" Swivel Adapter For Nozzles.....	32.95	2.71
21 23 16 00-0023 EA Replacement Nozzle Seals.....	5.17	
21 23 16 00-0024 EA Chrome Nozzle Disc Cap.....	3.20	0.25
21 23 16 00-0025 EA LPR Nozzle Disc Cap	16.71	3.81
21 23 16 00-0026 Control Systems (21 23 16 00-0001)		
21 23 16 00-0027 EA XV Control System	630.43	24.96
Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.		
21 23 16 00-0028 EA 7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	51.49	4.16
21 23 16 00-0029 EA 24" High Pressure Hose	61.71	4.16
21 23 16 00-0030 EA 60" High Pressure Hose	84.43	4.16
21 23 16 00-0031 EA XV Solenoid Kit (Electric Actuator), 24 VDC.....	120.03	8.32
21 23 16 00-0032 EA XV Microswitch Kit, SPDT.....	38.49	3.91
21 23 16 00-0033 EA XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	41.90	3.91
21 23 16 00-0034 EA EMT Connector Kit (EMT Connector & O-Ring)	15.33	3.12
21 23 16 00-0035 EA KRS-50 Control Box Assembly.....	352.60	16.12
Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.		
21 23 16 00-0036 EA SPDT Microswitch For KRS-50.....	45.89	3.91
21 23 16 00-0037 EA DPDT Microswitch For KRS-50	83.26	6.78
21 23 16 00-0038 EA SPDT Pressure Switch (Fire Department Tie-In)	254.95	21.76
21 23 16 00-0039 Mechanical Actuation Components (21 23 16 00-0001)		
21 23 16 00-0040 EA Universal Detector Link Housing Kit, Mechanical Actuation Systems	26.25	6.24
Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.		
21 23 16 00-0041 EA XV Low Profile Link Detector Housing Kit.....	42.02	6.24
Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.		
21 23 16 00-0042 EA XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	126.46	4.16
21 23 16 00-0043 EA XV Remote Manual Release, Pull-To-Trip	95.79	4.16
21 23 16 00-0044 EA Corner Pulley, Mechanical Actuation Systems	12.78	1.12
21 23 16 00-0045 EA Double Tee Pulley, Mechanical Actuation Systems.....	183.04	6.87
21 23 16 00-0046 EA In-Line Tee Pulley, Mechanical Actuation Systems	21.46	1.83
21 23 16 00-0047 EA Corner Pulley / Quik-Seal Adapter Combination.....	50.74	2.08
21 23 16 00-0048 LF 1/16" Cable, Mechanical Actuation Systems	1.08	0.42
21 23 16 00-0049 EA Cable Clamp.....	7.24	0.21
21 23 16 00-0050 EA Cable Crimp Sleeve, Mechanical Actuation Systems	0.76	0.16
21 23 16 00-0051 EA "S" Hook, Mechanical Actuation Systems.....	0.73	0.16
21 23 16 00-0052 EA 1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	45.80	3.87
21 23 16 00-0053 Mechanical Detection Links (21 23 16 00-0001)		
21 23 16 00-0054 EA KGS Standard Response Link.....	8.86	2.08
21 23 16 00-0055 EA KGS Rapid Response Link	13.56	2.08
21 23 16 00-0056 EA KFA Type "A" Fusible Link.....	11.45	2.08
21 23 16 00-0057 EA KML Type "ML" Fusible Link.....	12.11	2.08
21 23 16 00-0058 EA 500 Degree, KML Type "ML" Fusible Link	18.93	2.08
21 23 16 00-0059 Gas Valves (21 23 16 00-0001)		
21 23 16 00-0060 EA 3/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	213.22	8.99
21 23 16 00-0061 EA 1" NPT Mechanical Cable Operated Gas Shut-off Valve	231.18	11.06
21 23 16 00-0062 EA 1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	264.57	13.98
21 23 16 00-0063 EA 1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	289.81	16.10
21 23 16 00-0064 EA 2" NPT Mechanical Cable Operated Gas Shut-off Valve	311.87	19.02
21 23 16 00-0065 EA 2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	519.81	27.80
21 23 16 00-0066 EA 3" NPT Mechanical Cable Operated Gas Shut-off Valve	579.64	32.17
21 23 16 00-0067 EA Pneumatic Release (Single Unit).....	242.25	10.15
21 23 16 00-0068 EA Replacement Cable Block And Set Screw Assembly For Gas Valve.....	29.15	2.08
21 23 16 00-0069 EA 1/2" Electric Solenoid Gas Shut-off Valve	223.32	8.37
21 23 16 00-0070 EA 3/4" Electric Solenoid Gas Shut-off Valve.....	224.56	8.99
21 23 16 00-0071 EA 1" Electric Solenoid Gas Shut-off Valve.....	348.66	11.06
21 23 16 00-0072 EA 1-1/4" Electric Solenoid Gas Shut-off Valve.....	367.46	13.98
21 23 16 00-0073 EA 1-1/2" Electric Solenoid Gas Shut-off Valve.....	421.88	16.10
21 23 16 00-0074 EA 2" Electric Solenoid Gas Shut-off Valve	543.58	19.02
21 23 16 00-0075 EA 2-1/2" Electric Solenoid Gas Shut-off Valve.....	901.42	27.80
21 23 16 00-0076 EA 3" Electric Solenoid Gas Shut-off Valve	1,134.62	32.17
21 23 16 00-0077 EA Manual Reset Relay	282.15	41.82
21 23 16 00-0078 Liquid Tight Sealing Adapters (21 23 16 00-0001)		
21 23 16 00-0079 EA Compression Seal Adapter - 3/8" Tubing.....	23.75	1.74
21 23 16 00-0080 EA Compression Seal Adapter - 1/2" Tubing / 1/4" Pipe	23.24	1.91

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 23 16 00-0081	EA	Compression Seal Adapter - 5/8" Tubing / 3/8" Pipe	27.26	2.29
21 23 16 00-0082	EA	Compression Seal Adapter - 3/4" Tubing / 1/2" Pipe	31.61	2.45
21 23 16 00-0083	EA	Compression Seal Adapter - 1/2" Electrical Metallic Tubing (EMT)	27.26	2.29
21 23 16 00-0084	EA	Quik-Seal Adapter - 3/8" NPT Female	23.24	1.91
21 23 16 00-0085	EA	Quik-Seal Adapter - 1/2" NPT Female	23.24	1.91
21 23 16 00-0086	EA	Quik-Seal Adapter - 3/4" NPT Female	38.07	3.24
21 23 16 00-0087	EA	Quik-Seal Adapter - 1" NPT Female	50.71	4.29
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	23.24	1.91
21 23 16 00-0089		Pressure Operated Releasing Systems (21 23 16 00-0001)		
21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	170.15	12.56
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	151.20	12.82
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	124.57	3.16
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	434.63	36.24
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	92.48	7.74
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	143.45	7.74
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	143.84	5.49
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	42.68	3.50
21 23 16 00-0098	EA	Replacement Receiver Gasket For KRS-100 Actuator Assembly	5.67	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	348.31	29.13
21 23 16 00-0100		Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)		
21 23 16 00-0101		Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	458.04	29.54
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	659.77	42.57
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	864.23	58.22
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	93.04	6.95
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	612.81	45.44
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	374.16	27.71
21 23 16 00-0108		Fusible Links, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	12.08	0.91
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	12.08	0.91
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	12.39	0.91
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	12.08	0.91
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	12.08	0.91
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	13.21	0.91
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	20.93	1.54
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	27.14	2.04
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	25.85	10.53
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	257.65	23.42
21 23 16 00-0119		Gas Valves, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	224.97	8.99
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	255.48	11.06
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	273.88	13.98
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	300.63	16.06
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	345.37	18.98
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	819.60	27.75
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	872.27	32.13
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	174.76	8.99
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	301.92	11.06
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	312.77	13.98
21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	355.83	16.06
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	495.94	18.98
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	967.65	27.75
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	1,017.83	32.13
21 23 16 00-0134		Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	43.44	3.08
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	62.12	3.91
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	250.28	3.91
21 23 16 00-0138		Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	15.98	1.21
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	523.60	39.08
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	667.07	49.98
21 23 16 00-0142		Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	342.25	25.59
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	412.98	30.83
21 23 16 00-0145		Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0146 EA Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	377.62	28.22
21 23 16 00-0147 EA Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	394.06	29.50
21 23 16 00-0148 EA 24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	513.38	38.37
21 23 16 00-0149 EA 120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	588.85	44.10
21 23 16 00-0150 EA Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	47.82	3.58
21 23 16 00-0151 Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0152 EA Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	12.24	0.59
21 23 16 00-0153 EA Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	12.50	0.75
21 23 16 00-0154 EA Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	38.35	2.87
21 23 16 00-0155 EA Replacement Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	0.46	
21 23 16 00-0156 Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0157 EA SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	41.73	3.12
21 23 16 00-0158 EA DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	83.57	6.20
21 23 16 00-0159 EA Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	176.87	13.15
21 23 16 00-0160 Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0161 LF 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	0.82	0.12
21 23 16 00-0162 EA Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122).....	0.43	0.12
21 23 16 00-0163 EA High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	2.07	0.16
21 23 16 00-0164 EA "S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.32	
21 23 16 00-0165 Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0166 EA Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	39.61	3.00
21 23 16 00-0167 EA Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	41.36	3.12
21 23 16 00-0168 EA Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	4.86	0.37
21 23 16 00-0169 EA 225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	57.07	4.07
21 23 16 00-0170 EA Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	7.98	0.59
21 23 16 00-0171 EA Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	11.09	0.83
21 23 16 00-0172 EA Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	4.86	0.37
21 23 16 00-0173 EA Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	6.82	0.50
21 23 16 00-0174 EA Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	6.67	0.50
21 23 16 00-0175 EA Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	1.90	0.12
21 23 16 00-0176 EA Replacement Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257).....	3.24	
21 23 16 00-0177 EA O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	61.76	
21 23 16 00-0178 EA 3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	424.91	
21 23 16 00-0179 EA 4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	549.62	
21 23 16 00-0180 EA 6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	633.75	
21 23 16 00-0181 Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0182 EA 3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	19.43	1.42
21 23 16 00-0183 EA 1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	20.11	1.50
21 23 16 00-0184 EA Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	38.73	2.87
21 23 16 00-0185 EA Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	54.81	
21 23 16 00-0186 EA 3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	117.82	
21 23 16 00-0187 Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0188 EA Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	78.20	5.87
21 23 16 00-0189 EA Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	81.74	8.24
21 23 16 00-0190 EA Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	20.93	1.54
21 23 16 00-0191 EA Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	2.50	0.54
21 23 16 00-0192 Asco Gas Valve Control Panels (21 23 16)		
21 23 16 00-0193 EA Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	1,306.84	91.55
21 23 16 00-0194 EA Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	1,353.50	91.55
21 23 16 00-0195 EA Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	449.71	20.81
21 23 16 00-0196 EA Emergency Stop Station For Relay Control Panel (Asco 173A19)	419.23	20.81
21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)		
21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)		
21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)		
Note: Amerex or equal.		
21 24 16 00-0002 EA Agent Cylinder Assembly 3.75 Gallon (With Discharge Valve) Charged	288.98	32.29
21 24 16 00-0003 EA Agent Cylinder Assembly 6 Gallon (With Discharge Valve) Charged	405.46	40.70
21 24 16 00-0004 EA Recharge - KP Liquid Agent (3.75 Gallon).....	96.29	
21 24 16 00-0005 EA Recharge - KP Liquid Agent (6 Gallon).....	169.27	
21 24 16 00-0006 EA Bracket Assembly Agent Cylinder 3.75 Gallon (With Distribution Hose Assembly And Distribution Outlet)	67.40	6.78
21 24 16 00-0007 EA Bracket Assembly Agent Cylinder 6 Gallon	39.28	3.93
21 24 16 00-0008 EA Discharge Adapter Kit 3/4 NPT - Agent Cylinder 6 Gallon.....	17.03	
21 24 16 00-0009 EA Pneumatic Actuator - Agent Cylinder 6 Gallon.....	67.40	6.78
21 24 16 00-0010 EA Actuator - MRM (Less N2 Cylinder And Enclosure).....	169.27	16.99

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 24 16 00-0011	EA	Enclosure - MRM, Painted Steel	90.22	9.04
21 24 16 00-0012	EA	Enclosure - MRM, Stainless Steel	111.28	9.04
21 24 16 00-0013	EA	Cabinet, Stainless Steel (Single Cylinder System)	268.61	26.98
21 24 16 00-0014	EA	Actuation Hose - (N2 - 1/4" x 16")	20.27	2.03
21 24 16 00-0015	EA	Cylinder, Nitrogen - 10 CU. In. (Use For 1-10 Agent Cylinders)	90.22	9.04
21 24 16 00-0016	EA	Vent Check	16.22	1.63
21 24 16 00-0017	EA	Detector Note: Includes bracket, linkage and conduit fittings.	12.16	1.22
21 24 16 00-0018	EA	Fusible Link - 280 To 450 Degree F	4.56	0.46
21 24 16 00-0019	EA	Test Link	1.27	
21 24 16 00-0020	EA	Corner Pulley	6.29	0.63
21 24 16 00-0021	EA	Cable, 1/16" - 500 Foot Spool	101.36	10.16
21 24 16 00-0022	EA	Pulley Tee	45.61	4.57
21 24 16 00-0023	EA	Manual Pull Station (Standard)	40.55	4.07
21 24 16 00-0024	EA	Adapter Kit - Manual Pull Station (Recess Standard Pull Station)	19.02	1.89
21 24 16 00-0025	EA	Manual Pull Station (Oversized)	45.20	4.51
21 24 16 00-0026	EA	Conduit Offset	9.02	0.90
21 24 16 00-0027	EA	Seal - 3/8" Pipe Thread (Quick-Seal)	12.42	1.27
21 24 16 00-0028	EA	Seal - 1/2" Pipe Thread (Quick-Seal)	10.13	1.04
21 24 16 00-0029	EA	3/8" Pipe Compression Seal	16.93	1.72
21 24 16 00-0030	EA	1/2" Pipe Compression Seal	16.93	1.72
21 24 16 00-0031	EA	Cap, Nozzle Blow-Off (Standard)	4.37	1.17
21 24 16 00-0032	EA	Cap, Nozzle Blow-Off (High Temperature)	11.25	1.17
21 24 16 00-0033	EA	Nozzle - Fryer, Griddle - 2 Flow Points Each	20.27	2.03
21 24 16 00-0034	EA	Nozzle - Appliance, Plenum - 1 Flow Points Each	20.27	2.03
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	20.27	2.03
21 24 16 00-0036	EA	Nozzle - Upright Charbroiler - 1/2 Flow Points Each	20.27	2.03
21 24 16 00-0037	EA	Nozzle - Duct (Only) - 2 Flow Points Each	20.27	2.03
21 24 16 00-0038	EA	Nozzle - Four Burner Range - 2 Flow Points Each	29.15	2.94
21 24 16 00-0039	EA	Gas Valve - Mechanical - 3/4" Or 1"	164.10	11.98
21 24 16 00-0040	EA	Gas Valve - Mechanical - 1-1/4" Or 1-1/2"	191.16	17.39
21 24 16 00-0041	EA	Gas Valve - Mechanical - 2"	238.81	20.56
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve)	255.43	25.62
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads	13.44	1.36
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	21.69	2.17
21 24 16 00-0045	EA	Gas Valve Trip Assembly	45.61	4.57

21 24 16 00-0046**Range Guard Fire Suppression Systems (21 24 16)**

Note: Range Guard or equal.

21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve	306.39	34.91
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve	382.45	43.57
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve	472.16	53.80
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve	560.82	63.87
21 24 16 00-0051	EA	Vent Plug	12.86	1.46
21 24 16 00-0052	EA	Discharge Adapter Kit	16.58	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	34.10	3.87
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	36.10	4.12
21 24 16 00-0055	EA	4 Gallon Wall Bracket	68.16	7.78
21 24 16 00-0056	EA	6 Gallon Wall Bracket	75.54	8.61
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch	266.51	30.37
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	278.04	31.66
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	318.97	36.32
21 24 16 00-0060	EA	Tandem Control Head	242.38	27.63
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC	410.25	46.73
21 24 16 00-0062	EA	Mechanical Control Box	182.56	20.81
21 24 16 00-0063	EA	Tandem Control Box	182.56	20.81
21 24 16 00-0064	EA	Mechanical Control Box Adapter	53.51	6.12
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	160.81	18.31
21 24 16 00-0066	EA	Pressure Operated Actuator	66.10	7.53
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	107.03	12.19
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	109.12	12.44
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	26.76	3.04
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	308.81	35.16
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	66.10	7.53
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	66.10	7.53
21 24 16 00-0073	EA	Check Valve	53.89	8.95
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	29.90	3.41
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	13.02	1.48
21 24 16 00-0076	EA	Replacement Receiver Gasket For BMCS-Actuator Assembly	3.42	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	68.20	7.78
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	31.26	3.58
21 24 16 00-0079	EA	Nozzles; DM And LPF	34.83	3.95
21 24 16 00-0080	EA	Swivel Adapter	22.03	2.49
21 24 16 00-0081	EA	Corner Pulley	9.44	1.08
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	0.39	0.12
21 24 16 00-0083	EA	Cable Crimp Sleeve	0.47	0.12
21 24 16 00-0084	EA	"S" Hook	0.38	0.08
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	32.52	3.71
21 24 16 00-0086	EA	Cable Clamp	2.90	0.33
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	0.39	0.08
21 24 16 00-0088	EA	3/8" Cable Anchor	34.35	3.91
21 24 16 00-0089	EA	1/2" Cable Anchor	34.35	3.91
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	55.58	6.32
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	59.33	6.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0092 EA Surface Remote Manual Release, End-of-line.....	69.50	7.90
21 24 16 00-0093 EA Surface Remote Manual Release, In line Conservation Kit	21.77	2.49
21 24 16 00-0094 EA Surface Remote Manual Release, In line And End Of Line	91.25	10.36
21 24 16 00-0095 EA Recessed Remote Manual Release, End-of-line	69.50	7.90
21 24 16 00-0096 EA Recessed Remote Manual Release, In Line Kit.....	82.85	9.44
21 24 16 00-0097 EA Pulley Tee, Remote In Line Only	14.88	1.70
21 24 16 00-0098 EA Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	16.53	1.87
21 24 16 00-0099 EA Fusible Link 165F To 360F.....	5.41	0.63
21 24 16 00-0100 EA Fusible Link 500F	8.77	0.63
21 24 16 00-0101 EA Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	16.53	1.87
21 24 16 00-0102 EA Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve.....	11.87	1.87
21 24 16 00-0103 EA Quartzoid Link 400 F	89.15	10.15
21 24 16 00-0104 EA Quartzoid Link 500 F	89.15	10.15
21 24 16 00-0105 EA SPDT Micro Switch For Use With A Plus Control Box	31.94	3.62
21 24 16 00-0106 EA DPDT Micro Switch For Use With A Plus Control Box.....	55.58	6.32
21 24 16 00-0107 EA SPDT Micro Switch For Use With A Mechanical Control Box	33.04	3.75
21 24 16 00-0108 EA DPDT Micro Switch For Use With A Mechanical Control Box.....	57.26	6.53
21 24 16 00-0109 EA SPDT Micro Switch For Use With PRCB	41.95	4.78
21 24 16 00-0110 EA DPDT Micro Switch For Use With PRCB.....	60.52	6.87
21 24 16 00-0111 EA Pressure Switch, SPDT (Fire Dept. Tie In)	177.24	20.18
21 24 16 00-0112 EA Circuit Monitor 12 Or 24 Volt DC	79.72	9.07
21 24 16 00-0113 EA Circuit Monitor 120 Volt AC.....	79.72	9.07
21 24 16 00-0114 EA Electric Manual Pull Station	58.21	6.62
21 24 16 00-0115 EA 6", 24 Volt DC, Motor Bell.....	32.52	3.71
21 24 16 00-0116 EA 10", 115 Volt AC Motor Bell	46.15	5.24
21 24 16 00-0117 EA Fuse, 1.2 For ECH.....	3.74	0.42
21 24 16 00-0118 EA Indicator Lamp 12 Or 24 Volt DC.....	16.53	1.87
21 24 16 00-0119 EA Indicator Lamp 120 Volt AC.....	16.53	1.87
21 24 16 00-0120 EA B-10 Manual Station Dual Action, SPDT	60.83	6.91
21 24 16 00-0121 EA B-11 Manual Station Dual Action, DPDT	67.12	7.66
21 24 16 00-0122 EA Break Rods For B10/B11 Manual Pull Station.....	1.58	0.54
21 24 16 00-0123 EA Spare Key For B10/B11 Manual Stations	8.38	0.95
21 24 16 00-0124 EA MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	90.20	10.27
21 24 16 00-0125 EA Suppression Abort Station	95.44	10.86
21 24 16 00-0126 EA Suppression Abort Station With Surface Mount Back Box.....	111.17	12.65
21 24 16 00-0127 EA Surface Mount Back Box	36.71	4.16
21 24 16 00-0128 EA Single Hazard Control Unit, 120 Volt AC IP.....	681.71	77.52
21 24 16 00-0129 EA Single Hazard Control Unit, 240 Volt AC IP	681.71	77.52
21 24 16 00-0130 EA 1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	56.64	6.45
21 24 16 00-0131 EA Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W).....	2.16	0.29
21 24 16 00-0132 EA Spare Scorpio Circuit Board	492.90	
21 24 16 00-0133 EA Extra Scorpio Key.....	8.38	
21 24 16 00-0134 EA Extra Scorpio Manual	5.25	
21 24 16 00-0135 EA Compression Seal Adapter 3/8" Pipe.....	14.26	1.62
21 24 16 00-0136 EA Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	15.48	1.74
21 24 16 00-0137 EA Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	18.63	2.12
21 24 16 00-0138 EA Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	19.92	2.25
21 24 16 00-0139 EA Quik Seal Adapter 3/8" NPT Female	15.48	1.74
21 24 16 00-0140 EA Quik Seal Adapter 1/2" NPT Female	15.48	1.74
21 24 16 00-0141 EA Quik Seal Adapter 3/4" NPT Female	26.50	3.04
21 24 16 00-0142 EA Quik Seal Adapter 1" NPT Female	35.13	3.99
21 24 16 00-0143 EA Quik Patch (Up To 1-1/8" Diameter)	15.48	1.74
21 24 16 00-0144 EA 1-1/4 Gallon Karbaloy Charge	34.47	
21 24 16 00-0145 EA 2-1/2 Gallon Karbaloy Charge	59.26	
21 24 16 00-0146 EA 4 Gallon Karbaloy Charge.....	89.56	
21 24 16 00-0147 EA 6 Gallon Karbaloy Charge.....	131.05	
21 24 16 00-0148 EA Inlet Flushing Adapter.....	25.70	2.91
21 24 16 00-0149 EA 1/2" Flushing Adapter (Outlet)	25.70	2.91
21 24 16 00-0150 EA 1/8" Flushing Adapter (Outlet)	25.70	2.91
21 24 16 00-0151 EA 1/4" Flushing Adapter (Outlet)	25.70	2.91
21 24 16 00-0152 EA 3/8" Flushing Adapter (Outlet)	25.70	2.91
21 24 16 00-0153 EA Recharge Adapter (Old Style Cylinder Valve Assembly Only).....	35.66	
21 24 16 00-0154 EA Instruction Label (In Case Of Fire) - MCB.....	2.82	
21 24 16 00-0155 EA Caution Sign (Turn On Fan).....	3.42	
21 24 16 00-0156 EA Inspection Label (Authorized installers only).....	2.33	
21 24 16 00-0157 EA Label, Warning, A+ Control Box	1.60	
21 24 16 00-0158 EA Wet Chemical System Kits, RG-1.25G Kit; #23315	450.96	51.31
21 24 16 00-0159 EA Wet Chemical System Kits, RG-2.5G Kit; #23316	526.48	59.88
21 24 16 00-0160 EA Wet Chemical System Kits, RG-4GS Kit; #23317	655.48	74.57
21 24 16 00-0161 EA Wet Chemical System Kits, RG-4GT Kit; #23318	655.48	74.57
21 24 16 00-0162 EA Wet Chemical System Kits, RG-6G Kit; #23319	824.32	93.75
21 24 16 00-0163 EA Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320.....	390.65	44.44
21 24 16 00-0164 EA Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	367.05	41.73
21 24 16 00-0165 EA Wet Chemical System Kits, A Plus Control Box Kit; #23322	296.80	33.75
21 24 16 00-0166 EA Wet Chemical System Kits, Valve Rebuild Kit; #23210	513.89	58.46
21 24 16 00-0167 EA Wet Chemical System Kits, BMCS-1 Package; #23208	470.88	53.56

21 30 Fire Pumps ⁽²¹⁾

21 31 Centrifugal Fire Pumps ^(21 30)

21 31 13 Electric-Drive, Centrifugal Fire Pumps ^(21 31)

21 Fire Suppression**21 30 Fire Pumps****21 31 Centrifugal Fire Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 31 13 00-0001			Electric-Drive Fire Pumps ^(21 31 13) Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.		
21 31 13 00-0002	EA		20 HP Electric Fire Pump.....	32,659.16	991.06
			<i>For Duplex Pumping System, Add</i>	31,668.09	
21 31 13 00-0003	EA		30 HP Electric Fire Pump.....	38,172.61	1,114.96
			<i>For Duplex Pumping System, Add</i>	37,140.25	
21 31 13 00-0004	EA		40 HP Electric Fire Pump.....	52,199.34	1,238.84
			<i>For Duplex Pumping System, Add</i>	51,052.27	
21 31 13 00-0005	EA		50 HP Electric Fire Pump.....	64,497.06	1,424.73
			<i>For Duplex Pumping System, Add</i>	63,072.33	
21 31 13 00-0006	EA		75 HP Electric Fire Pump.....	72,021.71	1,554.25
			<i>For Duplex Pumping System, Add</i>	70,467.46	
21 31 16			Diesel-Drive, Centrifugal Fire Pumps ^(21 31)		
21 31 16 00-0001			Diesel-Drive Fire Pumps ^(21 31 16) Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.		
21 31 16 00-0002	EA		30 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	48,359.57	1,165.69
21 31 16 00-0003	EA		40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	54,720.75	1,295.21
21 31 16 00-0004	EA		50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	57,453.96	1,424.73
21 31 16 00-0005	EA		75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	65,425.50	1,554.25
21 31 16 00-0006	EA		150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	69,337.12	1,813.29
21 31 16 00-0007	EA		175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	74,383.75	2,331.37
21 31 16 00-0008	EA		200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	80,701.63	2,590.42
21 31 16 00-0009	EA		250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	92,286.20	2,953.07
21 31 16 00-0010	EA		300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	110,768.89	3,186.21
21 31 16 00-0011	EA		350 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	130,036.06	3,626.59
21 31 16 00-0012	EA		400 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	154,617.25	3,885.63
21 31 16 00-0013	EA		500 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	174,262.34	4,144.67

END OF SECTION 21



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing ⁽²²⁾

22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps ^(22 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs ^(22 01 10)

22 01 10 61-0001 Pipe Repair Clamps ^(22 01 10 61)

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	22.43
		Note: Includes neoprene gasket	
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	23.11
		Note: Includes neoprene gasket	
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	25.38
		Note: Includes neoprene gasket	
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	26.96
		Note: Includes neoprene gasket	
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	29.00
		Note: Includes neoprene gasket	
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	36.79
		Note: Includes neoprene gasket	
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	45.76
		Note: Includes neoprene gasket	
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	52.41
		Note: Includes neoprene gasket	
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	59.86
		Note: Includes neoprene gasket	
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	36.61
		Note: Includes neoprene gasket	
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	37.80
		Note: Includes neoprene gasket	
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	41.82
		Note: Includes neoprene gasket	
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	45.96
		Note: Includes neoprene gasket	
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	50.50
		Note: Includes neoprene gasket	
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	65.06
		Note: Includes neoprene gasket	
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	77.13
		Note: Includes neoprene gasket	
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	86.62
		Note: Includes neoprene gasket	
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	97.78
		Note: Includes neoprene gasket	
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	51.95
		Note: Includes Buna rubber gasket	
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	53.66
		Note: Includes Buna rubber gasket	
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	59.27
		Note: Includes Buna rubber gasket	
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	64.98
		Note: Includes Buna rubber gasket	
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	73.33
		Note: Includes Buna rubber gasket	
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	88.98
		Note: Includes Buna rubber gasket	
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	101.86
		Note: Includes Buna rubber gasket	
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	122.11
		Note: Includes Buna rubber gasket	
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	151.54
		Note: Includes Buna rubber gasket	
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	154.81
		Note: Includes Buna rubber gasket	
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	166.18
		Note: Includes Buna rubber gasket	

22 01 40 Operation and Maintenance of Plumbing Fixtures ^(22 01)

22 01 40 81 Plumbing Fixtures Replacement ^(22 01 40)

22 01 40 81-0001 Fixture And/Or Trim Replacement ^(22 01 40 81)

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	3/8" To 1/2" Compression Shut-off Valve Replacement With 15" Polybutylene Supply Tube	27.94
22 01 40 81-0003	EA	3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory Replacement	12.62
22 01 40 81-0004	EA	Chrome Supply Lines To Sink/Lavatory Replacement, Pair	14.81
22 01 40 81-0005	EA	Single Bowl Sink/Lavatory Drain Line Replacement	19.32
22 01 40 81-0006	EA	Double Bowl Sink/Lavatory Drain Line Replacement	31.09
22 01 40 81-0007	EA	Shower Head, Polished Chrome, Replacement	28.43
22 01 40 81-0008	EA	Shower Arm Replacement	21.03

22 Plumbing**22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 01 40 81-0009	EA	Shower Head Replacement	27.09
22 01 40 81-0010	EA	Shower Knob Replacement	19.08
22 01 40 81-0011	EA	Shower and Tub Control Trim Replacement	55.02
Note: Excludes balancing valve.			
22 01 40 81-0012	EA	Sink Basket Strainer Replacement	15.51
22 01 40 81-0013	EA	Sink Drain Without Stopper, 1-1/2" Replacement	7.83
22 01 40 81-0014	EA	Sink Drain Without Stopper, 4-1/2" Replacement	8.28
22 01 40 81-0015	EA	Sink Drain With Stopper, 1-1/2" Replacement	7.83
22 01 40 81-0016	EA	1" Sink Rubber Stopper Replacement	4.70
22 01 40 81-0017	EA	Sink Tailpiece Extension 1-1/2" x 8" Replacement	10.92
22 01 40 81-0018	EA	Sink Trap, Adjustable, 1-1/2" Replacement	19.55
22 01 40 81-0019	EA	Lavatory Pop-Up Rod Replacement	17.71
22 01 40 81-0020	EA	Lavatory Pop-up Drain Stopper Replacement	15.97
22 01 40 81-0021	EA	Faucet Handle Replacement	17.33
22 01 40 81-0022	EA	Faucet O-Ring Replacement	11.53
22 01 40 81-0023	EA	1-1/2" Faucet Hole Cover	9.49
22 01 40 81-0024	EA	Toilet Ballcock Replacement	20.39
22 01 40 81-0025	EA	Toilet Bowl Ring, Flat Wax, Replacement	3.75
Note: Excludes removal of toilet.			
22 01 40 81-0026	EA	Toilet Tank Replacement	94.97
22 01 40 81-0027	EA	Toilet Bowl, 10" Replacement	101.27
22 01 40 81-0028	EA	Toilet Bowl, 10", Low-Flush Watersaver, Replacement	115.12
22 01 40 81-0029	EA	Toilet Bowl, 12", Replacement	128.50
22 01 40 81-0030	EA	Toilet Bowl, Elongated, 18", Replacement	105.93
22 01 40 81-0031	EA	Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers Replacement	9.57
22 01 40 81-0032	EA	Toilet Flapper With Chain Replacement	10.33
22 01 40 81-0033	EA	Toilet Flush Tank Lever Replacement	9.99
22 01 40 81-0034	EA	Elongated Toilet Seat With Lid Replacement	76.74
22 01 40 81-0035	EA	Elongated Toilet Seat Without Lid Replacement	59.03
22 01 40 81-0036	EA	Handicap Toilet Seat Replacement, Complete With Rails	112.17
22 01 40 81-0037	EA	Diverter Tub Spout Replacement	33.77
22 01 40 81-0038	EA	Tub Spout Replacement	21.90
22 01 40 81-0039	EA	2" Tub Stopper, Replacement	5.20
22 01 40 81-0040	EA	Tub Waste/Overflow Replacement	41.73
22 01 40 81-0041	EA	Tub Stem Bonnet Assembly Replacement	16.86
22 01 40 81-0042	EA	Faucet Bonnet Replacement	20.64
22 01 40 81-0043	EA	Faucet Diverter Stem Replacement	12.18
22 01 40 81-0044	EA	Faucet Diverter Stem And Bonnet Replacement	17.18
22 01 40 81-0045	EA	Faucet Spout Replacement	21.74
22 01 40 81-0046	EA	Faucet Stem Replacement	14.92
22 01 40 81-0047	EA	Chrome Plated Plastic Drinking Fountain Bubbler Valve With Flexible Bubbler Guard Replacement	127.18
22 01 40 81-0048	EA	Chrome Plated Brass Drinking Fountain Bubbler Valve Replacement	163.53
22 01 40 81-0049	EA	Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve Replacement	93.77

22 05 Common Work Results for Plumbing ⁽²²⁾**22 05 13 Common Motor Requirements For Plumbing Equipment** ^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings And Loops For Plumbing Piping ^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping ^(22 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters And Gages For Plumbing Piping ^(22 05)

See CSI section 23 05 19 00-0000 for gages, 33 19 11 00-0000 for water utility service metering.

22 05 23 General-Duty Valves For Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for valves.

22 05 29 Hangers And Supports For Plumbing Piping And Equipment ^(22 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment ^(22 05)**22 05 48 13 Vibration Controls For Plumbing Piping And Equipment** ^(22 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification For Plumbing Piping And Equipment ^(22 05)

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts ^(22 05)**22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover** ^(22 05 76)

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover ^(22 05 76 00-0001)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0003	EA		2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	264.41	24.03
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0004	EA		3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	285.58	30.14
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0005	EA		4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	356.63	36.41
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0006	EA		5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	512.25	40.75
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007	EA		6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	630.75	44.15
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0008			Cast Iron Heavy Duty Cleanout With Plug And Round Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0009	EA		2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	304.86	24.03
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0010	EA		3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	326.64	30.10
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0011	EA		4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	397.72	36.41
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012	EA		5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	553.37	40.75
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0013	EA		6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	671.82	44.15
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0014			Wall Cover For Cleanout <small>(22 05 76)</small>		
			Note: Cover and screw only.		
22 05 76 00-0015			Round Access Cover, Bronze Polished Top <small>(22 05 76 00-0014)</small>		
			Note: Cover and screw only.		
22 05 76 00-0016	EA		4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	39.46	7.54
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017	EA		5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	42.47	9.04
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018	EA		7" Diameter Wall Cover For Cleanout, Screwed.....	54.36	10.16
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0019	EA		9-1/4" Diameter Wall Cover For Cleanout, Screwed.....	92.57	11.30
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0020	EA		11-1/4" Diameter Wall Cover For Cleanout, Screwed.....	139.77	12.42
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0021			Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0022	EA		7" x 7" Bronze Wall Or Floor Access Cover.....	130.62	7.54
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0023	EA		9" x 9" Bronze Wall Or Floor Access Cover.....	185.94	7.91
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0024	EA		10" x 10" Bronze Wall Or Floor Access Cover.....	198.61	8.36
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0025	EA		14" x 14" Bronze Wall Or Floor Access Cover.....	222.28	9.49
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0026			Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0027	EA		6" x 6" Bronze Secured Wall Access Panel.....	130.62	7.54
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0028	EA		8" x 8" Bronze Secured Wall Access Panel.....	185.94	7.91
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0029	EA		10" x 10" Bronze Secured Wall Access Panel.....	198.61	8.36
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0030	EA		12" x 12" Bronze Secured Wall Access Panel.....	222.28	9.49
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0031			Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0032	EA		6" x 6" Bronze Secured Hinged Access Panel, Scoriated.....	126.88	7.54
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0033	EA		8" x 8" Bronze Secured Hinged Access Panel, Scoriated.....	173.63	7.91
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0034	EA		10" x 10" Bronze Secured Hinged Access Panel, Scoriated.....	244.09	8.36
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0035	EA		12" x 12" Bronze Secured Hinged Access Panel, Scoriated.....	295.04	9.49
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0036			Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037			Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036)		
			Note: Satin smooth secured cover.		
22 05 76 00-0038	EA		2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	183.52	24.03
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
22 05 76 00-0039	EA		3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	209.80	30.10
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
22 05 76 00-0040	EA		4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	273.82	36.41
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
22 05 76 00-0041	EA		6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	652.56	44.15
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
22 05 76 00-0042			Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036)		
			Note: Satin smooth secured cover.		
22 05 76 00-0043	EA		2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	318.98	24.03
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
22 05 76 00-0044	EA		3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	345.26	30.10
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
22 05 76 00-0045	EA		4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	400.29	36.41
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	
22 05 76 00-0046	EA		6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	835.53	44.15
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	45.00	



Table with 4 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST

Table for Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0047) listing items 22 05 76 00-0048 to 22 05 76 00-0052 with costs.

22 05 76 00-0053 Removable Cleanout Plug (22 05 76)

Table for Threaded Bronze Plugs (22 05 76 00-0054) listing items 22 05 76 00-0055 to 22 05 76 00-0063 with costs.

22 05 76 00-0064 Threaded Brass Plugs (22 05 76 00-0063)

Table for Threaded Brass Plugs (22 05 76 00-0064) listing items 22 05 76 00-0065 to 22 05 76 00-0081 with costs.

22 07 Plumbing Insulation (22)

22 07 16 Plumbing Equipment Insulation (22 07)

Table for Lavatory Insulation (22 07 16) listing item 22 07 16 00-0002 with cost.

22 07 19 Plumbing Piping Insulation (22 07)

Table for Fiberglass Pipe Insulation (22 07 19) listing item 22 07 19 00-0001 with cost and detailed description.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0002			1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0003	LF		1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	3.77	0.94
			<i>For Single Layer Of Felt Finish, Add</i>	0.13	
			<i>For Work In Restricted Working Space, Add</i>	0.77	
22 07 19 00-0004	LF		3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	3.90	0.94
			<i>For Single Layer Of Felt Finish, Add</i>	0.14	
			<i>For Work In Restricted Working Space, Add</i>	0.77	
22 07 19 00-0005	LF		1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	4.15	0.99
			<i>For Single Layer Of Felt Finish, Add</i>	0.15	
			<i>For Work In Restricted Working Space, Add</i>	0.81	
22 07 19 00-0006	LF		1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	4.35	1.03
			<i>For Single Layer Of Felt Finish, Add</i>	0.17	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
22 07 19 00-0007	LF		1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	4.50	1.03
			<i>For Single Layer Of Felt Finish, Add</i>	0.18	
			<i>For Work In Restricted Working Space, Add</i>	0.85	
22 07 19 00-0008	LF		2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	4.77	1.07
			<i>For Single Layer Of Felt Finish, Add</i>	0.19	
			<i>For Work In Restricted Working Space, Add</i>	0.89	
22 07 19 00-0009	LF		2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	5.08	1.11
			<i>For Single Layer Of Felt Finish, Add</i>	0.22	
			<i>For Work In Restricted Working Space, Add</i>	0.91	
22 07 19 00-0010	LF		3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	5.42	1.16
			<i>For Single Layer Of Felt Finish, Add</i>	0.24	
			<i>For Work In Restricted Working Space, Add</i>	0.94	
22 07 19 00-0011	LF		4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.33	1.25
			<i>For Single Layer Of Felt Finish, Add</i>	0.31	
			<i>For Work In Restricted Working Space, Add</i>	1.01	
22 07 19 00-0012	LF		6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.51	1.46
			<i>For Single Layer Of Felt Finish, Add</i>	0.37	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
22 07 19 00-0013			1" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0014	LF		1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	4.98	1.29
			<i>For Single Layer Of Felt Finish, Add</i>	0.15	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
22 07 19 00-0015	LF		3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	5.18	1.29
			<i>For Single Layer Of Felt Finish, Add</i>	0.17	
			<i>For Work In Restricted Working Space, Add</i>	1.06	
22 07 19 00-0016	LF		1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	5.27	1.29
			<i>For Single Layer Of Felt Finish, Add</i>	0.18	
			<i>For Work In Restricted Working Space, Add</i>	1.08	
22 07 19 00-0017	LF		1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	5.54	1.34
			<i>For Single Layer Of Felt Finish, Add</i>	0.20	
			<i>For Work In Restricted Working Space, Add</i>	1.09	
22 07 19 00-0018	LF		1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	5.73	1.34
			<i>For Single Layer Of Felt Finish, Add</i>	0.21	
			<i>For Work In Restricted Working Space, Add</i>	1.11	
22 07 19 00-0019	LF		2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.01	1.38
			<i>For Single Layer Of Felt Finish, Add</i>	0.23	
			<i>For Work In Restricted Working Space, Add</i>	1.14	
22 07 19 00-0020	LF		2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.39	1.46
			<i>For Single Layer Of Felt Finish, Add</i>	0.26	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
22 07 19 00-0021	LF		3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.81	1.51
			<i>For Single Layer Of Felt Finish, Add</i>	0.29	
			<i>For Work In Restricted Working Space, Add</i>	1.21	
22 07 19 00-0022	LF		4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.93	1.59
			<i>For Single Layer Of Felt Finish, Add</i>	0.37	
			<i>For Work In Restricted Working Space, Add</i>	1.31	
22 07 19 00-0023	LF		6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.28	1.85
			<i>For Single Layer Of Felt Finish, Add</i>	0.46	
			<i>For Work In Restricted Working Space, Add</i>	1.47	
22 07 19 00-0024	LF		8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.88	2.07
			<i>For Single Layer Of Felt Finish, Add</i>	0.66	
			<i>For Work In Restricted Working Space, Add</i>	1.69	
22 07 19 00-0025	LF		10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.94	2.45
			<i>For Single Layer Of Felt Finish, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	2.00	
22 07 19 00-0026	LF		12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.95	2.80
			<i>For Single Layer Of Felt Finish, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	2.30	
22 07 19 00-0027	LF		14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.54	3.05
			<i>For Single Layer Of Felt Finish, Add</i>	1.01	
			<i>For Work In Restricted Working Space, Add</i>	2.39	
22 07 19 00-0028			1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0029	LF		1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.59	1.33
			<i>For Single Layer Of Felt Finish, Add</i>	0.31	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
22 07 19 00-0030	LF		3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.73	1.33
			<i>For Single Layer Of Felt Finish, Add</i>	0.32	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
22 07 19 00-0031	LF		1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.10	1.41
			<i>For Single Layer Of Felt Finish, Add</i>	0.34	
			<i>For Work In Restricted Working Space, Add</i>	1.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0032 LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	7.41	1.44
For Single Layer Of Felt Finish, Add	0.36	
For Work In Restricted Working Space, Add	1.19	
22 07 19 00-0033 LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	7.68	1.46
For Single Layer Of Felt Finish, Add	0.38	
For Work In Restricted Working Space, Add	1.22	
22 07 19 00-0034 LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.23	1.54
For Single Layer Of Felt Finish, Add	0.42	
For Work In Restricted Working Space, Add	1.28	
22 07 19 00-0035 LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.70	1.57
For Single Layer Of Felt Finish, Add	0.46	
For Work In Restricted Working Space, Add	1.31	
22 07 19 00-0036 LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.97	1.62
For Single Layer Of Felt Finish, Add	0.47	
For Work In Restricted Working Space, Add	1.35	
22 07 19 00-0037 LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.99	1.75
For Single Layer Of Felt Finish, Add	0.54	
For Work In Restricted Working Space, Add	1.46	
22 07 19 00-0038 LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.53	2.05
For Single Layer Of Felt Finish, Add	0.62	
For Work In Restricted Working Space, Add	1.70	
22 07 19 00-0039 LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.33	2.16
For Single Layer Of Felt Finish, Add	0.77	
For Work In Restricted Working Space, Add	1.80	
22 07 19 00-0040 LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.42	2.58
For Single Layer Of Felt Finish, Add	0.97	
For Work In Restricted Working Space, Add	2.15	
22 07 19 00-0041 LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.42	3.01
For Single Layer Of Felt Finish, Add	1.06	
For Work In Restricted Working Space, Add	2.50	
22 07 19 00-0042 LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.81	3.30
For Single Layer Of Felt Finish, Add	1.23	
For Work In Restricted Working Space, Add	2.74	
22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0044 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.61	1.46
For Single Layer Of Felt Finish, Add	0.48	
For Work In Restricted Working Space, Add	1.21	
22 07 19 00-0045 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.76	1.46
For Single Layer Of Felt Finish, Add	0.50	
For Work In Restricted Working Space, Add	1.21	
22 07 19 00-0046 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.14	1.51
For Single Layer Of Felt Finish, Add	0.53	
For Work In Restricted Working Space, Add	1.23	
22 07 19 00-0047 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.47	1.51
For Single Layer Of Felt Finish, Add	0.56	
For Work In Restricted Working Space, Add	1.24	
22 07 19 00-0048 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.84	1.55
For Single Layer Of Felt Finish, Add	0.59	
For Work In Restricted Working Space, Add	1.26	
22 07 19 00-0049 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.22	1.59
For Single Layer Of Felt Finish, Add	0.62	
For Work In Restricted Working Space, Add	1.31	
22 07 19 00-0050 LF 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.81	1.63
For Single Layer Of Felt Finish, Add	0.66	
For Work In Restricted Working Space, Add	1.35	
22 07 19 00-0051 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.45	1.72
For Single Layer Of Felt Finish, Add	0.71	
For Work In Restricted Working Space, Add	1.40	
22 07 19 00-0052 LF 4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.69	1.80
For Single Layer Of Felt Finish, Add	0.82	
For Work In Restricted Working Space, Add	1.47	
22 07 19 00-0053 LF 6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.94	2.12
For Single Layer Of Felt Finish, Add	0.95	
For Work In Restricted Working Space, Add	1.77	
22 07 19 00-0054 LF 8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.40	2.24
For Single Layer Of Felt Finish, Add	1.17	
For Work In Restricted Working Space, Add	1.87	
22 07 19 00-0055 LF 10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.82	2.68
For Single Layer Of Felt Finish, Add	1.40	
For Work In Restricted Working Space, Add	2.24	
22 07 19 00-0056 LF 12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.60	3.21
For Single Layer Of Felt Finish, Add	1.54	
For Work In Restricted Working Space, Add	2.68	
22 07 19 00-0057 LF 14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.05	3.50
For Single Layer Of Felt Finish, Add	1.74	
For Work In Restricted Working Space, Add	3.74	
22 07 19 00-0058 LF 16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.35	4.11
For Single Layer Of Felt Finish, Add	1.98	
For Work In Restricted Working Space, Add	3.74	
22 07 19 00-0059 LF 18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.53	4.32
For Single Layer Of Felt Finish, Add	2.36	
For Work In Restricted Working Space, Add	3.92	
22 07 19 00-0060 LF 20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	40.14	4.93
For Single Layer Of Felt Finish, Add	2.65	
For Work In Restricted Working Space, Add	4.48	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 07 19 00-0061	LF 24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	45.99	5.96
	<i>For Single Layer Of Felt Finish, Add</i>	2.93	
	<i>For Work In Restricted Working Space, Add</i>	5.42	
22 07 19 00-0062	2-1/2" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>		
22 07 19 00-0063	LF 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.02	1.72
	<i>For Single Layer Of Felt Finish, Add</i>	0.67	
	<i>For Work In Restricted Working Space, Add</i>	1.40	
22 07 19 00-0064	LF 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.24	1.72
	<i>For Single Layer Of Felt Finish, Add</i>	0.69	
	<i>For Work In Restricted Working Space, Add</i>	1.40	
22 07 19 00-0065	LF 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.79	1.72
	<i>For Single Layer Of Felt Finish, Add</i>	0.74	
	<i>For Work In Restricted Working Space, Add</i>	1.42	
22 07 19 00-0066	LF 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.22	1.76
	<i>For Single Layer Of Felt Finish, Add</i>	0.78	
	<i>For Work In Restricted Working Space, Add</i>	1.43	
22 07 19 00-0067	LF 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.67	1.76
	<i>For Single Layer Of Felt Finish, Add</i>	0.83	
	<i>For Work In Restricted Working Space, Add</i>	1.44	
22 07 19 00-0068	LF 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.19	1.85
	<i>For Single Layer Of Felt Finish, Add</i>	0.86	
	<i>For Work In Restricted Working Space, Add</i>	1.50	
22 07 19 00-0069	LF 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.05	1.89
	<i>For Single Layer Of Felt Finish, Add</i>	0.93	
	<i>For Work In Restricted Working Space, Add</i>	1.56	
22 07 19 00-0070	LF 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.79	1.98
	<i>For Single Layer Of Felt Finish, Add</i>	0.99	
	<i>For Work In Restricted Working Space, Add</i>	1.61	
22 07 19 00-0071	LF 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.63	2.07
	<i>For Single Layer Of Felt Finish, Add</i>	1.15	
	<i>For Work In Restricted Working Space, Add</i>	1.70	
22 07 19 00-0072	LF 6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.12	2.20
	<i>For Single Layer Of Felt Finish, Add</i>	1.33	
	<i>For Work In Restricted Working Space, Add</i>	1.93	
22 07 19 00-0073	LF 8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.91	2.62
	<i>For Single Layer Of Felt Finish, Add</i>	2.07	
	<i>For Work In Restricted Working Space, Add</i>	2.15	
22 07 19 00-0074	LF 10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.43	3.01
	<i>For Single Layer Of Felt Finish, Add</i>	2.54	
	<i>For Work In Restricted Working Space, Add</i>	2.48	
22 07 19 00-0075	LF 12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.99	3.74
	<i>For Single Layer Of Felt Finish, Add</i>	2.70	
	<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0076	LF 14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.09	4.13
	<i>For Single Layer Of Felt Finish, Add</i>	3.14	
	<i>For Work In Restricted Working Space, Add</i>	3.36	
22 07 19 00-0077	LF 16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	47.25	5.25
	<i>For Single Layer Of Felt Finish, Add</i>	3.46	
	<i>For Work In Restricted Working Space, Add</i>	4.30	
22 07 19 00-0078	LF 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	51.18	5.51
	<i>For Single Layer Of Felt Finish, Add</i>	3.79	
	<i>For Work In Restricted Working Space, Add</i>	4.52	
22 07 19 00-0079	LF 20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	57.97	6.28
	<i>For Single Layer Of Felt Finish, Add</i>	4.28	
	<i>For Work In Restricted Working Space, Add</i>	5.16	
22 07 19 00-0080	LF 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	67.65	7.59
	<i>For Single Layer Of Felt Finish, Add</i>	4.92	
	<i>For Work In Restricted Working Space, Add</i>	6.24	
22 07 19 00-0081	3" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0001)</small>		
22 07 19 00-0082	LF 1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.14	1.90
	<i>For Single Layer Of Felt Finish, Add</i>	0.73	
	<i>For Work In Restricted Working Space, Add</i>	1.55	
22 07 19 00-0083	LF 3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.38	1.90
	<i>For Single Layer Of Felt Finish, Add</i>	0.76	
	<i>For Work In Restricted Working Space, Add</i>	1.55	
22 07 19 00-0084	LF 1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.96	1.91
	<i>For Single Layer Of Felt Finish, Add</i>	0.81	
	<i>For Work In Restricted Working Space, Add</i>	1.57	
22 07 19 00-0085	LF 1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.42	1.93
	<i>For Single Layer Of Felt Finish, Add</i>	0.86	
	<i>For Work In Restricted Working Space, Add</i>	1.58	
22 07 19 00-0086	LF 1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.93	1.95
	<i>For Single Layer Of Felt Finish, Add</i>	0.91	
	<i>For Work In Restricted Working Space, Add</i>	1.59	
22 07 19 00-0087	LF 2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.49	2.03
	<i>For Single Layer Of Felt Finish, Add</i>	0.94	
	<i>For Work In Restricted Working Space, Add</i>	1.65	
22 07 19 00-0088	LF 2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.41	2.10
	<i>For Single Layer Of Felt Finish, Add</i>	1.02	
	<i>For Work In Restricted Working Space, Add</i>	1.71	
22 07 19 00-0089	LF 3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.24	2.17
	<i>For Single Layer Of Felt Finish, Add</i>	1.09	
	<i>For Work In Restricted Working Space, Add</i>	1.77	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0090	LF		4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.27	2.29
			<i>For Single Layer Of Felt Finish, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	1.87	
22 07 19 00-0091	LF		6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.00	2.60
			<i>For Single Layer Of Felt Finish, Add</i>	1.46	
			<i>For Work In Restricted Working Space, Add</i>	2.12	
22 07 19 00-0092	LF		8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.54	2.90
			<i>For Single Layer Of Felt Finish, Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	2.36	
22 07 19 00-0093	LF		10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.61	3.34
			<i>For Single Layer Of Felt Finish, Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0094	LF		12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.53	4.16
			<i>For Single Layer Of Felt Finish, Add</i>	2.96	
			<i>For Work In Restricted Working Space, Add</i>	3.39	
22 07 19 00-0095	LF		14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.13	4.54
			<i>For Single Layer Of Felt Finish, Add</i>	3.44	
			<i>For Work In Restricted Working Space, Add</i>	3.70	
22 07 19 00-0096	LF		16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	51.90	5.80
			<i>For Single Layer Of Felt Finish, Add</i>	3.79	
			<i>For Work In Restricted Working Space, Add</i>	4.73	
22 07 19 00-0097	LF		18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	56.21	6.10
			<i>For Single Layer Of Felt Finish, Add</i>	4.16	
			<i>For Work In Restricted Working Space, Add</i>	4.97	
22 07 19 00-0098	LF		20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	63.66	6.97
			<i>For Single Layer Of Felt Finish, Add</i>	4.70	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
22 07 19 00-0099	LF		24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	74.29	8.42
			<i>For Single Layer Of Felt Finish, Add</i>	5.40	
			<i>For Work In Restricted Working Space, Add</i>	6.86	
22 07 19 00-0100			3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0101	LF		1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.00	2.07
			<i>For Single Layer Of Felt Finish, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	1.70	
22 07 19 00-0102	LF		3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.28	2.07
			<i>For Single Layer Of Felt Finish, Add</i>	0.80	
			<i>For Work In Restricted Working Space, Add</i>	1.70	
22 07 19 00-0103	LF		1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.16	2.07
			<i>For Single Layer Of Felt Finish, Add</i>	0.89	
			<i>For Work In Restricted Working Space, Add</i>	1.71	
22 07 19 00-0104	LF		1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.65	2.11
			<i>For Single Layer Of Felt Finish, Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	1.72	
22 07 19 00-0105	LF		1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.22	2.11
			<i>For Single Layer Of Felt Finish, Add</i>	0.99	
			<i>For Work In Restricted Working Space, Add</i>	1.74	
22 07 19 00-0106	LF		2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.81	2.20
			<i>For Single Layer Of Felt Finish, Add</i>	1.03	
			<i>For Work In Restricted Working Space, Add</i>	1.80	
22 07 19 00-0107	LF		2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.83	2.28
			<i>For Single Layer Of Felt Finish, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	1.86	
22 07 19 00-0108	LF		3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.66	2.37
			<i>For Single Layer Of Felt Finish, Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	1.93	
22 07 19 00-0109	LF		4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.97	2.49
			<i>For Single Layer Of Felt Finish, Add</i>	1.38	
			<i>For Work In Restricted Working Space, Add</i>	2.04	
22 07 19 00-0110	LF		6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.93	2.84
			<i>For Single Layer Of Felt Finish, Add</i>	1.60	
			<i>For Work In Restricted Working Space, Add</i>	2.32	
22 07 19 00-0111	LF		8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.28	3.14
			<i>For Single Layer Of Felt Finish, Add</i>	2.49	
			<i>For Work In Restricted Working Space, Add</i>	2.58	
22 07 19 00-0112	LF		10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.91	3.62
			<i>For Single Layer Of Felt Finish, Add</i>	3.04	
			<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0113	LF		12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.19	4.52
			<i>For Single Layer Of Felt Finish, Add</i>	3.24	
			<i>For Work In Restricted Working Space, Add</i>	3.70	
22 07 19 00-0114	LF		14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	49.32	4.94
			<i>For Single Layer Of Felt Finish, Add</i>	3.77	
			<i>For Work In Restricted Working Space, Add</i>	4.04	
22 07 19 00-0115	LF		16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	56.72	6.28
			<i>For Single Layer Of Felt Finish, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	5.16	
22 07 19 00-0116	LF		18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	61.41	6.62
			<i>For Single Layer Of Felt Finish, Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	5.42	
22 07 19 00-0117	LF		20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	69.58	7.57
			<i>For Single Layer Of Felt Finish, Add</i>	5.14	
			<i>For Work In Restricted Working Space, Add</i>	6.20	
22 07 19 00-0118	LF		24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	81.18	9.12
			<i>For Single Layer Of Felt Finish, Add</i>	5.90	
			<i>For Work In Restricted Working Space, Add</i>	7.49	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0119			4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0120	LF	1/2"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.85	2.32
			For Single Layer Of Felt Finish, Add	0.90	
			For Work In Restricted Working Space, Add	1.88	
22 07 19 00-0121	LF	3/4"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.16	2.32
			For Single Layer Of Felt Finish, Add	0.93	
			For Work In Restricted Working Space, Add	1.88	
22 07 19 00-0122	LF	1"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.90	2.32
			For Single Layer Of Felt Finish, Add	1.00	
			For Work In Restricted Working Space, Add	1.92	
22 07 19 00-0123	LF	1-1/4"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.51	2.37
			For Single Layer Of Felt Finish, Add	1.06	
			For Work In Restricted Working Space, Add	1.94	
22 07 19 00-0124	LF	1-1/2"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.28	2.45
			For Single Layer Of Felt Finish, Add	1.11	
			For Work In Restricted Working Space, Add	2.00	
22 07 19 00-0125	LF	2"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.94	2.54
			For Single Layer Of Felt Finish, Add	1.16	
			For Work In Restricted Working Space, Add	2.06	
22 07 19 00-0126	LF	2-1/2"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.93	2.54
			For Single Layer Of Felt Finish, Add	1.25	
			For Work In Restricted Working Space, Add	2.09	
22 07 19 00-0127	LF	3"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.97	2.66
			For Single Layer Of Felt Finish, Add	1.34	
			For Work In Restricted Working Space, Add	2.17	
22 07 19 00-0128	LF	4"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.44	2.80
			For Single Layer Of Felt Finish, Add	1.55	
			For Work In Restricted Working Space, Add	2.29	
22 07 19 00-0129	LF	6"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.80	3.18
			For Single Layer Of Felt Finish, Add	1.80	
			For Work In Restricted Working Space, Add	2.60	
22 07 19 00-0130	LF	8"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.31	3.44
			For Single Layer Of Felt Finish, Add	2.80	
			For Work In Restricted Working Space, Add	2.90	
22 07 19 00-0131	LF	10"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	43.77	4.08
			For Single Layer Of Felt Finish, Add	3.42	
			For Work In Restricted Working Space, Add	3.35	
22 07 19 00-0132	LF	12"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	48.60	5.07
			For Single Layer Of Felt Finish, Add	3.65	
			For Work In Restricted Working Space, Add	4.16	
22 07 19 00-0133	LF	14"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	55.50	5.55
			For Single Layer Of Felt Finish, Add	4.24	
			For Work In Restricted Working Space, Add	4.55	
22 07 19 00-0134	LF	16"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	63.84	7.10
			For Single Layer Of Felt Finish, Add	4.67	
			For Work In Restricted Working Space, Add	5.81	
22 07 19 00-0135	LF	18"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	69.07	7.44
			For Single Layer Of Felt Finish, Add	5.12	
			For Work In Restricted Working Space, Add	6.09	
22 07 19 00-0136	LF	20"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	77.01	8.52
			For Single Layer Of Felt Finish, Add	5.65	
			For Work In Restricted Working Space, Add	6.97	
22 07 19 00-0137	LF	24"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	91.34	10.28
			For Single Layer Of Felt Finish, Add	6.64	
			For Work In Restricted Working Space, Add	8.42	
22 07 19 00-0138	LF	26"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	103.28	12.12
			For Single Layer Of Felt Finish, Add	7.37	
			For Work In Restricted Working Space, Add	9.92	
22 07 19 00-0139	LF	28"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	114.80	14.28
			For Single Layer Of Felt Finish, Add	7.96	
			For Work In Restricted Working Space, Add	11.69	
22 07 19 00-0140	LF	30"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	127.30	16.87
			For Single Layer Of Felt Finish, Add	8.52	
			For Work In Restricted Working Space, Add	13.85	
22 07 19 00-0141	LF	36"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	150.88	21.43
			For Single Layer Of Felt Finish, Add	9.68	
			For Work In Restricted Working Space, Add	17.60	
22 07 19 00-0142	LF	42"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	174.45	26.11
			For Single Layer Of Felt Finish, Add	10.84	
			For Work In Restricted Working Space, Add	21.36	
22 07 19 00-0143	LF	44"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	185.71	28.69
			For Single Layer Of Felt Finish, Add	11.26	
			For Work In Restricted Working Space, Add	23.55	
22 07 19 00-0144	LF	46"	Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	196.20	30.88
			For Single Layer Of Felt Finish, Add	11.71	
			For Work In Restricted Working Space, Add	25.40	
22 07 19 00-0145			Foamglas Pipe Insulation, Rigid, Closed Cell (22 07 19)		
			Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0146			1" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0147	LF	1/2"	Diameter Pipe, 1" Thick Foamglas Insulation	9.33	2.10
			For Work In Restricted Working Space, Add	1.91	
22 07 19 00-0148	LF	3/4"	Diameter Pipe, 1" Thick Foamglas Insulation	10.08	2.10
			For Work In Restricted Working Space, Add	1.91	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0149	LF		1" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.94 1.94	2.13
22 07 19 00-0150	LF		1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.28 1.96	2.16
22 07 19 00-0151	LF		1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.87 1.99	2.19
22 07 19 00-0152	LF		2" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.02 2.05	2.25
22 07 19 00-0153	LF		2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.38 2.13	2.34
22 07 19 00-0154	LF		3" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.03 2.18	2.40
22 07 19 00-0155	LF		4" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.38 2.35	2.58
22 07 19 00-0156	LF		6" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.28 2.65	2.92
22 07 19 00-0157			1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0158	LF		1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.57 2.50	2.75
22 07 19 00-0159	LF		3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.05 2.50	2.75
22 07 19 00-0160	LF		1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.53 2.50	2.75
22 07 19 00-0161	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.14 2.58	2.84
22 07 19 00-0162	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.73 2.67	2.94
22 07 19 00-0163	LF		2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.53 2.77	3.04
22 07 19 00-0164	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	20.65 2.87	3.16
22 07 19 00-0165	LF		3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	23.56 2.98	3.28
22 07 19 00-0166	LF		4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.05 3.10	3.40
22 07 19 00-0167	LF		6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	31.56 3.28	3.61
22 07 19 00-0168	LF		8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	34.77 3.49	3.83
22 07 19 00-0169	LF		10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	43.27 4.09	4.51
22 07 19 00-0170	LF		12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	49.34 4.76	5.24
22 07 19 00-0171	LF		14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	54.52 4.92	5.42
22 07 19 00-0172	LF		16" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	59.61 5.50	6.05
22 07 19 00-0173	LF		18" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	66.26 6.50	7.15
22 07 19 00-0174	LF		20" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	74.33 7.20	7.92
22 07 19 00-0175	LF		24" Diameter Pipe, 2" Thick Fiberglass Insulation..... <i>For Work In Restricted Working Space, Add</i>	97.73 7.98	8.77
22 07 19 00-0176			2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0177	LF		1/2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.12 2.18	2.40
22 07 19 00-0178	LF		3/4" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.86 2.18	2.40
22 07 19 00-0179	LF		1" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.68 2.21	2.43
22 07 19 00-0180	LF		1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.94 2.24	2.46
22 07 19 00-0181	LF		1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.21 2.27	2.49
22 07 19 00-0182	LF		2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	21.25 2.35	2.58
22 07 19 00-0183	LF		2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.43 2.43	2.68
22 07 19 00-0184	LF		3" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	24.55 2.52	2.77
22 07 19 00-0185	LF		4" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	28.49 2.65	2.92
22 07 19 00-0186	LF		6" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	34.87 3.02	3.31
22 07 19 00-0187	LF		8" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	38.79 3.36	3.70
22 07 19 00-0188	LF		10" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	48.25 3.88	4.26
22 07 19 00-0189	LF		12" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	59.69 4.82	5.30
22 07 19 00-0190	LF		14" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	63.23 5.26	5.78
22 07 19 00-0191	LF		16" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	72.28 6.72	7.39



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0192	LF		18" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	80.14 7.06	7.76
22 07 19 00-0193	LF		20" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	87.37 8.06	8.87
22 07 19 00-0194	LF		24" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	111.41 9.74	10.72
22 07 19 00-0195			2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0196	LF		1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	18.55 2.37	2.60
22 07 19 00-0197	LF		3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	19.81 2.37	2.60
22 07 19 00-0198	LF		1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	21.20 2.41	2.64
22 07 19 00-0199	LF		1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	22.52 2.42	2.66
22 07 19 00-0200	LF		1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	23.86 2.44	2.68
22 07 19 00-0201	LF		2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	25.94 2.54	2.80
22 07 19 00-0202	LF		2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.98 2.63	2.90
22 07 19 00-0203	LF		3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.05 2.72	3.00
22 07 19 00-0204	LF		4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	35.68 2.87	3.16
22 07 19 00-0205	LF		6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	43.50 3.26	3.60
22 07 19 00-0206	LF		8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.46 3.64	4.00
22 07 19 00-0207	LF		10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	55.08 4.20	4.62
22 07 19 00-0208	LF		12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	68.62 5.21	5.73
22 07 19 00-0209	LF		14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	70.29 5.69	6.26
22 07 19 00-0210	LF		16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	80.09 7.28	8.00
22 07 19 00-0211	LF		18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	88.44 7.64	8.41
22 07 19 00-0212	LF		20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	101.94 8.73	9.60
22 07 19 00-0213	LF		24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	129.59 10.55	11.61
22 07 19 00-0214			3" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0215	LF		1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.12 2.52	2.77
22 07 19 00-0216	LF		3/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.87 2.52	2.77
22 07 19 00-0217	LF		1" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	25.76 2.56	2.82
22 07 19 00-0218	LF		1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	26.58 2.58	2.84
22 07 19 00-0219	LF		1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.42 2.60	2.86
22 07 19 00-0220	LF		2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	29.91 2.71	2.98
22 07 19 00-0221	LF		2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	32.34 2.80	3.08
22 07 19 00-0222	LF		3" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	38.15 2.90	3.19
22 07 19 00-0223	LF		4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	44.81 3.05	3.36
22 07 19 00-0224	LF		6" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.43 3.47	3.82
22 07 19 00-0225	LF		8" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	54.93 3.87	4.25
22 07 19 00-0226	LF		10" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	66.33 4.46	4.91
22 07 19 00-0227	LF		12" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	75.22 5.55	6.11
22 07 19 00-0228	LF		14" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	79.95 6.06	6.66
22 07 19 00-0229	LF		16" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	92.87 7.74	8.52
22 07 19 00-0230	LF		18" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	100.22 8.13	8.94
22 07 19 00-0231	LF		20" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	118.63 9.29	10.22
22 07 19 00-0232	LF		24" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	145.72 11.23	12.35
22 07 19 00-0233			3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0234 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	28.94 3.05	3.36
22 07 19 00-0235 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.89 3.05	3.36
22 07 19 00-0236 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	30.91 3.08	3.38
22 07 19 00-0237 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	31.91 3.09	3.40
22 07 19 00-0238 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	33.00 3.13	3.44
22 07 19 00-0239 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	37.37 3.24	3.57
22 07 19 00-0240 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	41.74 3.35	3.69
22 07 19 00-0241 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	44.46 3.47	3.82
22 07 19 00-0242 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	47.86 3.67	4.04
22 07 19 00-0243 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	55.39 4.17	4.59
22 07 19 00-0244 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	63.47 4.64	5.11
22 07 19 00-0245 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	76.92 5.36	5.90
22 07 19 00-0246 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	89.20 6.66	7.32
22 07 19 00-0247 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	91.40 7.27	7.99
22 07 19 00-0248 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	106.59 9.29	10.22
22 07 19 00-0249 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	119.50 9.75	10.73
22 07 19 00-0250 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	135.80 11.16	12.28
22 07 19 00-0251 LF 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	167.93 13.47	14.82
22 07 19 00-0252 4" Thick Foamglas Pipe Insulation (22 07 19 00-0145)		
22 07 19 00-0253 LF 1/2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	35.07 3.75	4.13
22 07 19 00-0254 LF 3/4" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.29 3.75	4.13
22 07 19 00-0255 LF 1" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	37.74 3.82	4.19
22 07 19 00-0256 LF 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.10 3.86	4.25
22 07 19 00-0257 LF 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	40.74 3.98	4.39
22 07 19 00-0258 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	45.02 4.11	4.52
22 07 19 00-0259 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	49.09 4.17	4.59
22 07 19 00-0260 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	51.81 4.32	4.76
22 07 19 00-0261 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	56.13 4.82	5.31
22 07 19 00-0262 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	67.00 5.18	5.69
22 07 19 00-0263 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	76.86 5.62	6.18
22 07 19 00-0264 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	86.76 6.67	7.33
22 07 19 00-0265 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	98.83 8.28	9.12
22 07 19 00-0266 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	107.23 9.05	9.96
22 07 19 00-0267 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	123.00 11.57	12.73
22 07 19 00-0268 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	140.73 12.13	13.34
22 07 19 00-0269 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	156.27 13.88	15.26
22 07 19 00-0270 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	202.54 16.76	18.45
22 07 19 00-0271 Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19) Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). No additional linear feet for fittings required.		
22 07 19 00-0272 3/8" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)		
22 07 19 00-0273 LF 1/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	2.77 0.77	1.29
22 07 19 00-0274 LF 1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	2.79 0.77	1.29
22 07 19 00-0275 LF 3/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	2.80 0.77	1.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0276 LF 1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	2.91 0.80	1.34
22 07 19 00-0277 LF 3/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.05 0.83	1.38
22 07 19 00-0278 LF 1" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.17 0.84	1.40
22 07 19 00-0279 LF 1-1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.32 0.86	1.43
22 07 19 00-0280 LF 1-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.38 0.86	1.43
22 07 19 00-0281 LF 2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.57 0.86	1.43
22 07 19 00-0282 LF 2-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.90 0.89	1.47
22 07 19 00-0283 LF 3" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.04 0.90	1.49
22 07 19 00-0284 1/2" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)		
22 07 19 00-0285 LF 1/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.10 0.84	1.40
22 07 19 00-0286 LF 1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.12 0.84	1.40
22 07 19 00-0287 LF 3/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.17 0.85	1.40
22 07 19 00-0288 LF 1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.22 0.86	1.43
22 07 19 00-0289 LF 3/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.29 0.86	1.43
22 07 19 00-0290 LF 1" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.48 0.88	1.47
22 07 19 00-0291 LF 1-1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.41 0.83	1.49
22 07 19 00-0292 LF 1-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.82 0.91	1.51
22 07 19 00-0293 LF 2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.05 0.92	1.54
22 07 19 00-0294 LF 2-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.44 0.95	1.58
22 07 19 00-0295 LF 3" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.86 0.96	1.60
22 07 19 00-0296 LF 3-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.25 0.98	1.63
22 07 19 00-0297 LF 4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.49 0.99	1.65
22 07 19 00-0298 3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)		
22 07 19 00-0299 LF 1/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.47 0.91	1.51
22 07 19 00-0300 LF 1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.50 0.91	1.51
22 07 19 00-0301 LF 3/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.54 0.92	1.54
22 07 19 00-0302 LF 1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.80 0.95	1.58
22 07 19 00-0303 LF 3/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.92 0.96	1.60
22 07 19 00-0304 LF 1" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.24 0.99	1.65
22 07 19 00-0305 LF 1-1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.58 1.00	1.67
22 07 19 00-0306 LF 1-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.74 1.01	1.67
22 07 19 00-0307 LF 2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.39 1.02	1.69
22 07 19 00-0308 LF 2-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.27 1.04	1.74
22 07 19 00-0309 LF 3" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.31 1.06	1.76
22 07 19 00-0310 LF 3-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.95 1.07	1.78
22 07 19 00-0311 LF 4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.22 1.09	1.80
22 07 19 00-0312 1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0271)		
22 07 19 00-0313 LF 1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.01 1.00	1.67
22 07 19 00-0314 LF 3/8" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.13 1.02	1.69
22 07 19 00-0315 LF 1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.51 1.04	1.74
22 07 19 00-0316 LF 3/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.61 1.06	1.76
22 07 19 00-0317 LF 1" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.20 1.09	1.80



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0318	LF		1-1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.48 1.11	1.85
22 07 19 00-0319	LF		1-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.58 1.13	1.85
22 07 19 00-0320	LF		2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.15 1.14	1.89
22 07 19 00-0321	LF		2-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.54 1.16	1.94
22 07 19 00-0322	LF		3" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.89 1.18	1.97
22 07 19 00-0323			Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19) Note: No additional LF for fittings required.		
22 07 19 00-0324			3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0325	LF		1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	2.83 0.77	1.29
22 07 19 00-0326	LF		3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	2.88 0.77	1.29
22 07 19 00-0327	LF		1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	2.98 0.80	1.34
22 07 19 00-0328	LF		5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.02 0.81	1.36
22 07 19 00-0329	LF		3/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.14 0.83	1.38
22 07 19 00-0330	LF		7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.16 0.83	1.38
22 07 19 00-0331	LF		1" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.22 0.84	1.40
22 07 19 00-0332	LF		1-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	3.25 0.85	1.40
22 07 19 00-0333	LF		1-1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	3.37 0.86	1.43
22 07 19 00-0334	LF		1-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	3.44 0.86	1.43
22 07 19 00-0335	LF		2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.64 0.86	1.43
22 07 19 00-0336	LF		2-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	3.74 0.87	1.45
22 07 19 00-0337	LF		2-3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	3.87 0.88	1.47
22 07 19 00-0338	LF		2-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	3.99 0.89	1.47
22 07 19 00-0339	LF		2-7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	4.06 0.89	1.49
22 07 19 00-0340	LF		3-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	4.18 0.90	1.49
22 07 19 00-0341	LF		3-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	4.44 0.91	1.51
22 07 19 00-0342	LF		4-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	4.74 0.92	1.54
22 07 19 00-0343	LF		4-1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	5.07 0.93	1.54
22 07 19 00-0344			1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0345	LF		1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.19 0.84	1.40
22 07 19 00-0346	LF		3/8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.26 0.85	1.40
22 07 19 00-0347	LF		1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.33 0.86	1.43
22 07 19 00-0348	LF		3/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.41 0.86	1.43
22 07 19 00-0349	LF		1" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.53 0.88	1.47
22 07 19 00-0350	LF		1-1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	3.67 0.89	1.49
22 07 19 00-0351	LF		1-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	3.86 0.91	1.51
22 07 19 00-0352	LF		2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.13 0.92	1.54
22 07 19 00-0353	LF		2-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	4.50 0.95	1.58
22 07 19 00-0354	LF		3" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.69 0.96	1.60
22 07 19 00-0355	LF		3-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	5.29 0.98	1.63
22 07 19 00-0356	LF		4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.49 0.99	1.65
22 07 19 00-0357	LF		5" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.34 1.00	1.67
22 07 19 00-0358	LF		6" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.86 1.03	1.71
22 07 19 00-0359	LF		8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.40 1.06	1.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0360	3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0323)				
22 07 19 00-0361	LF	1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	3.63	1.51	
		<i>For Work In Restricted Working Space, Add</i>	0.91		
22 07 19 00-0362	LF	3/8" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	3.73	1.54	
		<i>For Work In Restricted Working Space, Add</i>	0.92		
22 07 19 00-0363	LF	1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	3.95	1.58	
		<i>For Work In Restricted Working Space, Add</i>	0.95		
22 07 19 00-0364	LF	3/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	4.18	1.60	
		<i>For Work In Restricted Working Space, Add</i>	0.96		
22 07 19 00-0365	LF	1" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	4.40	1.65	
		<i>For Work In Restricted Working Space, Add</i>	0.99		
22 07 19 00-0366	LF	1-1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	4.83	1.67	
		<i>For Work In Restricted Working Space, Add</i>	1.00		
22 07 19 00-0367	LF	1-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.07	1.69	
		<i>For Work In Restricted Working Space, Add</i>	1.02		
22 07 19 00-0368	LF	2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.37	1.69	
		<i>For Work In Restricted Working Space, Add</i>	1.02		
22 07 19 00-0369	LF	2-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.11	1.74	
		<i>For Work In Restricted Working Space, Add</i>	1.04		
22 07 19 00-0370	LF	3" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.52	1.76	
		<i>For Work In Restricted Working Space, Add</i>	1.06		
22 07 19 00-0371	LF	3-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.10	1.78	
		<i>For Work In Restricted Working Space, Add</i>	1.07		
22 07 19 00-0372	LF	4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.38	1.80	
		<i>For Work In Restricted Working Space, Add</i>	1.09		
22 07 19 00-0373	LF	5" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.35	2.15	
		<i>For Work In Restricted Working Space, Add</i>	0.55		
22 07 19 00-0374	LF	6" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.18	1.85	
		<i>For Work In Restricted Working Space, Add</i>	1.11		
22 07 19 00-0375	LF	8" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.40	1.89	
		<i>For Work In Restricted Working Space, Add</i>	1.14		
22 07 19 00-0376	1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0323)				
22 07 19 00-0377	LF	3/8" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	4.84	1.69	
		<i>For Work In Restricted Working Space, Add</i>	1.02		
22 07 19 00-0378	LF	1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.01	1.74	
		<i>For Work In Restricted Working Space, Add</i>	1.04		
22 07 19 00-0379	LF	3/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.39	1.76	
		<i>For Work In Restricted Working Space, Add</i>	1.06		
22 07 19 00-0380	LF	1" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.80	1.80	
		<i>For Work In Restricted Working Space, Add</i>	1.09		
22 07 19 00-0381	LF	1-1/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.17	1.85	
		<i>For Work In Restricted Working Space, Add</i>	1.11		
22 07 19 00-0382	LF	1-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.60	1.85	
		<i>For Work In Restricted Working Space, Add</i>	1.13		
22 07 19 00-0383	LF	2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.62	1.89	
		<i>For Work In Restricted Working Space, Add</i>	1.14		
22 07 19 00-0384	LF	2-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.85	1.94	
		<i>For Work In Restricted Working Space, Add</i>	1.16		
22 07 19 00-0385	LF	3" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.45	1.97	
		<i>For Work In Restricted Working Space, Add</i>	1.18		
22 07 19 00-0386	LF	3-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.67	1.99	
		<i>For Work In Restricted Working Space, Add</i>	1.19		
22 07 19 00-0387	LF	4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.31	2.04	
		<i>For Work In Restricted Working Space, Add</i>	1.22		
22 07 19 00-0388	LF	5" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.63	2.08	
		<i>For Work In Restricted Working Space, Add</i>	1.25		
22 07 19 00-0389	LF	6" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.99	2.13	
		<i>For Work In Restricted Working Space, Add</i>	1.27		
22 07 19 00-0390	Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)				
	Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. No additional LF for fittings required.				
22 07 19 00-0391	3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0390)				
22 07 19 00-0392	LF	1/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	2.85	1.29	
		<i>For Work In Restricted Working Space, Add</i>	0.77		
22 07 19 00-0393	LF	1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	2.87	1.29	
		<i>For Work In Restricted Working Space, Add</i>	0.77		
22 07 19 00-0394	LF	3/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	2.92	1.29	
		<i>For Work In Restricted Working Space, Add</i>	0.77		
22 07 19 00-0395	LF	1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	3.02	1.34	
		<i>For Work In Restricted Working Space, Add</i>	0.80		
22 07 19 00-0396	LF	3/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	3.18	1.38	
		<i>For Work In Restricted Working Space, Add</i>	0.83		
22 07 19 00-0397	LF	1" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	3.27	1.40	
		<i>For Work In Restricted Working Space, Add</i>	0.84		
22 07 19 00-0398	LF	1-1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	3.45	1.43	
		<i>For Work In Restricted Working Space, Add</i>	0.86		
22 07 19 00-0399	LF	1-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	3.60	1.43	
		<i>For Work In Restricted Working Space, Add</i>	0.86		
22 07 19 00-0400	LF	2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	3.71	1.47	
		<i>For Work In Restricted Working Space, Add</i>	0.86		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0401	LF		2-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.17 0.89	1.47
22 07 19 00-0402	LF		3" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.59 0.90	1.49
22 07 19 00-0403	LF		4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.69 0.92	1.54
22 07 19 00-0404			1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0390)		
22 07 19 00-0405	LF		1/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.23 0.84	1.40
22 07 19 00-0406	LF		1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.26 0.84	1.40
22 07 19 00-0407	LF		3/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.30 0.85	1.40
22 07 19 00-0408	LF		1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.37 0.86	1.43
22 07 19 00-0409	LF		3/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.49 0.86	1.43
22 07 19 00-0410	LF		1" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.61 0.88	1.47
22 07 19 00-0411	LF		1-1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.81 0.89	1.49
22 07 19 00-0412	LF		1-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.04 0.91	1.51
22 07 19 00-0413	LF		2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.25 0.92	1.54
22 07 19 00-0414	LF		2-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.75 0.95	1.58
22 07 19 00-0415	LF		3" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.20 0.96	1.60
22 07 19 00-0416	LF		4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.05 0.99	1.65
22 07 19 00-0417			3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0390)		
22 07 19 00-0418	LF		1/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.67 0.91	1.51
22 07 19 00-0419	LF		1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.72 0.91	1.51
22 07 19 00-0420	LF		3/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	3.86 0.92	1.54
22 07 19 00-0421	LF		1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.03 0.95	1.58
22 07 19 00-0422	LF		3/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.34 0.96	1.60
22 07 19 00-0423	LF		1" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.60 0.99	1.65
22 07 19 00-0424	LF		1-1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.10 1.00	1.67
22 07 19 00-0425	LF		1-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.43 1.01	1.67
22 07 19 00-0426	LF		2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.81 1.02	1.69
22 07 19 00-0427	LF		2-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.52 1.04	1.74
22 07 19 00-0428	LF		3" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.17 1.06	1.76
22 07 19 00-0429	LF		4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.44 1.09	1.80
22 07 19 00-0430			1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0390)		
22 07 19 00-0431	LF		1/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.51 1.00	1.67
22 07 19 00-0432	LF		1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.54 1.00	1.67
22 07 19 00-0433	LF		3/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.61 1.02	1.69
22 07 19 00-0434	LF		1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.78 1.04	1.74
22 07 19 00-0435	LF		3/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.23 1.06	1.76
22 07 19 00-0436	LF		1" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.58 1.09	1.80
22 07 19 00-0437	LF		1-1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.94 1.11	1.85
22 07 19 00-0438	LF		1-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.30 1.13	1.85
22 07 19 00-0439	LF		2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.15 1.14	1.89
22 07 19 00-0440	LF		2-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.25 1.16	1.94
22 07 19 00-0441	LF		3" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.05 1.18	1.97

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0442			Flexible Elastomeric Unicellular Insulation (22 07 19) Note: 1/2" thick, for refrigeration piping.		
22 07 19 00-0443	LF		1/2" Pipe, (5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	3.30	1.43
			For Work In Restricted Working Space, Add	0.86	
			For 3/8" Thick Covering, Deduct	-0.31	
			For 3/4" Thick Covering, Add	0.62	
			For 1" Thick Covering, Add	1.18	
22 07 19 00-0444	LF		3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	3.39	1.43
			For Work In Restricted Working Space, Add	0.86	
			For 3/8" Thick Covering, Deduct	-0.33	
			For 3/4" Thick Covering, Add	0.68	
			For 1" Thick Covering, Add	1.28	
22 07 19 00-0445	LF		1" Pipe, (1-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	3.51	1.47
			For Work In Restricted Working Space, Add	0.88	
			For 3/8" Thick Covering, Deduct	-0.35	
			For 3/4" Thick Covering, Add	0.72	
			For 1" Thick Covering, Add	1.36	
22 07 19 00-0446	LF		1-1/4" Pipe, (1-3/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	3.69	1.49
			For Work In Restricted Working Space, Add	0.89	
			For 3/8" Thick Covering, Deduct	-0.39	
			For 3/4" Thick Covering, Add	0.83	
			For 1" Thick Covering, Add	1.55	
22 07 19 00-0447	LF		1-1/2" Pipe, (1-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	3.88	1.51
			For Work In Restricted Working Space, Add	0.91	
			For 3/8" Thick Covering, Deduct	-0.42	
			For 3/4" Thick Covering, Add	0.94	
			For 1" Thick Covering, Add	1.75	
22 07 19 00-0448	LF		2" Pipe, (2-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	4.07	1.54
			For Work In Restricted Working Space, Add	0.92	
			For 3/8" Thick Covering, Deduct	-0.46	
			For 3/4" Thick Covering, Add	1.06	
			For 1" Thick Covering, Add	1.96	
22 07 19 00-0449	LF		2-1/2" Pipe, (2-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	4.50	1.58
			For Work In Restricted Working Space, Add	0.95	
			For 3/8" Thick Covering, Deduct	-0.56	
			For 3/4" Thick Covering, Add	1.32	
			For 1" Thick Covering, Add	2.44	
22 07 19 00-0450	LF		3" Pipe, (3-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	4.89	1.60
			For Work In Restricted Working Space, Add	0.96	
			For 3/8" Thick Covering, Deduct	-0.64	
			For 3/4" Thick Covering, Add	1.58	
			For 1" Thick Covering, Add	2.91	
22 07 19 00-0451	LF		3-1/2" Pipe, (3-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	5.25	1.63
			For Work In Restricted Working Space, Add	0.98	
			For 3/8" Thick Covering, Deduct	-0.73	
			For 3/4" Thick Covering, Add	1.83	
			For 1" Thick Covering, Add	3.35	
22 07 19 00-0452	LF		4" Pipe, (4-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	5.63	1.65
			For Work In Restricted Working Space, Add	0.99	
			For 3/8" Thick Covering, Deduct	-0.81	
			For 3/4" Thick Covering, Add	2.08	
			For 1" Thick Covering, Add	3.81	
22 07 19 00-0453			Insulation Foam Rubber (22 07 19)		
22 07 19 00-0454			Covering 4x6 Sheet (22 07 19 00-0453)		
22 07 19 00-0455	SF		1" Thick Foam Rubber Sheet Insulation.....	9.99	3.05
22 07 19 00-0456			Insulation Protective Jacketing (22 07 19) Note: Jacketing only and must be added to insulation prices.		
22 07 19 00-0457			Aluminum Insulation Protective Jacketing With Bands (22 07 19 00-0456)		
22 07 19 00-0458			Aluminum Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0457)		
22 07 19 00-0459	SF		0.006" Aluminum Insulation Jacket With Bands.....	6.71	2.76
22 07 19 00-0460	SF		0.010" Aluminum Insulation Jacket With Bands.....	6.90	2.76
22 07 19 00-0461	SF		0.016" Aluminum Insulation Jacket With Bands.....	7.07	2.76
22 07 19 00-0462	SF		0.020" Aluminum Insulation Jacket With Bands.....	7.24	2.76
22 07 19 00-0463	SF		0.024" Aluminum Insulation Jacket With Bands.....	7.39	2.76
22 07 19 00-0464			16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0457)		
22 07 19 00-0465	LF		1/2" ID, 0.016" Aluminum Insulation Jacketing.....	3.42	0.78
			For Stucco Embossed, Add	0.00	
			For Corrugated, Add	0.01	
22 07 19 00-0466	LF		3/4" ID, 0.016" Aluminum Insulation Jacketing.....	3.57	0.80
			For Stucco Embossed, Add	0.00	
			For Corrugated, Add	0.01	
22 07 19 00-0467	LF		1" ID, 0.016" Aluminum Insulation Jacketing.....	3.74	0.82
			For Stucco Embossed, Add	0.00	
			For Corrugated, Add	0.01	
22 07 19 00-0468	LF		1-1/4" ID, 0.016" Aluminum Insulation Jacketing	3.90	0.84
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0469	LF		1-1/2" ID, 0.016" Aluminum Insulation Jacketing	4.03	0.85
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0470	LF		1-3/4" ID, 0.016" Aluminum Insulation Jacketing	4.17	0.86
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0471	LF		2" ID, 0.016" Aluminum Insulation Jacketing	4.32	0.88
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0472	LF		2-1/4" ID, 0.016" Aluminum Insulation Jacketing	4.50	0.90
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0473	LF		2-1/2" ID, 0.016" Aluminum Insulation Jacketing	4.66	0.92
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0474	LF		2-3/4" ID, 0.016" Aluminum Insulation Jacketing	4.81	0.93
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0475	LF		3" ID, 0.016" Aluminum Insulation Jacketing	4.99	0.95
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0476	LF		3-1/4" ID, 0.016" Aluminum Insulation Jacketing	5.16	0.98
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0477	LF		3-1/2" ID, 0.016" Aluminum Insulation Jacketing	5.34	1.00
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0478	LF		3-3/4" ID, 0.016" Aluminum Insulation Jacketing	5.49	1.01
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.04	
22 07 19 00-0479	LF		4" ID, 0.016" Aluminum Insulation Jacketing	5.68	1.04
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0480	LF		4-1/4" ID, 0.016" Aluminum Insulation Jacketing	5.86	1.07
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0481	LF		4-1/2" ID, 0.016" Aluminum Insulation Jacketing	6.08	1.09
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0482	LF		4-3/4" ID, 0.016" Aluminum Insulation Jacketing	6.25	1.11
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0483	LF		5" ID, 0.016" Aluminum Insulation Jacketing	6.45	1.14
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0484	LF		5-1/4" ID, 0.016" Aluminum Insulation Jacketing	6.66	1.18
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0485	LF		5-1/2" ID, 0.016" Aluminum Insulation Jacketing	6.84	1.21
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0486	LF		5-3/4" ID, 0.016" Aluminum Insulation Jacketing	7.08	1.24
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0487	LF		6" ID, 0.016" Aluminum Insulation Jacketing	7.30	1.28
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0488	LF		6-1/4" ID, 0.016" Aluminum Insulation Jacketing	7.48	1.30
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0489	LF		6-1/2" ID, 0.016" Aluminum Insulation Jacketing	7.65	1.32
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0490	LF		7" ID, 0.016" Aluminum Insulation Jacketing	7.93	1.35
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.06	
22 07 19 00-0491	LF		7-1/4" ID, 0.016" Aluminum Insulation Jacketing	8.14	1.38
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0492	LF		7-1/2" ID, 0.016" Aluminum Insulation Jacketing	8.31	1.40
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0493	LF		8" ID, 0.016" Aluminum Insulation Jacketing	8.58	1.42
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0494	LF		8-1/2" ID, 0.016" Aluminum Insulation Jacketing	8.84	1.45
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0495	LF		9" ID, 0.016" Aluminum Insulation Jacketing	9.17	1.48
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0496	LF		9-1/2" ID, 0.016" Aluminum Insulation Jacketing	9.45	1.51
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.09	
22 07 19 00-0497	LF		10" ID, 0.016" Aluminum Insulation Jacketing	9.73	1.54
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0498	LF		10-1/2" ID, 0.016" Aluminum Insulation Jacketing	10.02	1.56
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0499	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	10.36	1.61
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0500	LF		11-1/2" ID, 0.016" Aluminum Insulation Jacketing.....	10.66	1.64
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0501	LF		12" ID, 0.016" Aluminum Insulation Jacketing.....	10.97	1.67
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0502	LF		12-1/2" ID, 0.016" Aluminum Insulation Jacketing.....	11.33	1.72
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0503	LF		13" ID, 0.016" Aluminum Insulation Jacketing.....	11.57	1.74
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0504	LF		14" ID, 0.016" Aluminum Insulation Jacketing.....	12.00	1.75
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0505	LF		15" ID, 0.016" Aluminum Insulation Jacketing.....	12.49	1.79
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0506	LF		16" ID, 0.016" Aluminum Insulation Jacketing.....	12.91	1.81
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.14	
22 07 19 00-0507	LF		17" ID, 0.016" Aluminum Insulation Jacketing.....	13.41	1.85
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.15	
22 07 19 00-0508	LF		18" ID, 0.016" Aluminum Insulation Jacketing.....	13.73	1.87
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.16	
22 07 19 00-0509	LF		19" ID, 0.016" Aluminum Insulation Jacketing.....	14.36	1.91
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0510	LF		20" ID, 0.016" Aluminum Insulation Jacketing.....	14.79	1.93
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.18	
22 07 19 00-0511	LF		21" ID, 0.016" Aluminum Insulation Jacketing.....	15.31	1.98
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.19	
22 07 19 00-0512	LF		22" ID, 0.016" Aluminum Insulation Jacketing.....	15.75	2.01
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.19	
22 07 19 00-0513	LF		23" ID, 0.016" Aluminum Insulation Jacketing.....	16.29	2.05
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.20	
22 07 19 00-0514	LF		24" ID, 0.016" Aluminum Insulation Jacketing.....	16.74	2.08
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.21	
22 07 19 00-0515			20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0457)		
22 07 19 00-0516	LF		1/2" ID, 0.020" Aluminum Insulation Jacketing.....	3.81	0.86
			For Stucco Embossed, Add	0.00	
			For Corrugated, Add	0.01	
22 07 19 00-0517	LF		3/4" ID, 0.020" Aluminum Insulation Jacketing.....	4.00	0.88
			For Stucco Embossed, Add	0.00	
			For Corrugated, Add	0.01	
22 07 19 00-0518	LF		1" ID, 0.020" Aluminum Insulation Jacketing.....	4.19	0.90
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.01	
22 07 19 00-0519	LF		1-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	4.39	0.92
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0520	LF		1-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	4.55	0.93
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0521	LF		1-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	4.72	0.95
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0522	LF		2" ID, 0.020" Aluminum Insulation Jacketing.....	4.90	0.97
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0523	LF		2-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	5.09	0.99
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0524	LF		2-1/2" ID, 0.020" Aluminum Insulation Jacketing.....	5.30	1.01
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0525	LF		2-3/4" ID, 0.020" Aluminum Insulation Jacketing.....	5.47	1.03
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0526	LF		3" ID, 0.020" Aluminum Insulation Jacketing.....	5.68	1.05
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.04	
22 07 19 00-0527	LF		3-1/4" ID, 0.020" Aluminum Insulation Jacketing.....	5.89	1.07
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0528 LF 3-1/2" ID, 0.020" Aluminum Insulation Jacketing	6.10	1.10
<i>For Stucco Embossed, Add</i>	<i>0.02</i>	
<i>For Corrugated, Add</i>	<i>0.04</i>	
22 07 19 00-0529 LF 3-3/4" ID, 0.020" Aluminum Insulation Jacketing	6.29	1.12
<i>For Stucco Embossed, Add</i>	<i>0.02</i>	
<i>For Corrugated, Add</i>	<i>0.05</i>	
22 07 19 00-0530 LF 4" ID, 0.020" Aluminum Insulation Jacketing	6.51	1.14
<i>For Stucco Embossed, Add</i>	<i>0.02</i>	
<i>For Corrugated, Add</i>	<i>0.05</i>	
22 07 19 00-0531 LF 4-1/4" ID, 0.020" Aluminum Insulation Jacketing	6.72	1.18
<i>For Stucco Embossed, Add</i>	<i>0.02</i>	
<i>For Corrugated, Add</i>	<i>0.05</i>	
22 07 19 00-0532 LF 4-1/2" ID, 0.020" Aluminum Insulation Jacketing	6.97	1.21
<i>For Stucco Embossed, Add</i>	<i>0.02</i>	
<i>For Corrugated, Add</i>	<i>0.05</i>	
22 07 19 00-0533 LF 4-3/4" ID, 0.020" Aluminum Insulation Jacketing	7.17	1.23
<i>For Stucco Embossed, Add</i>	<i>0.02</i>	
<i>For Corrugated, Add</i>	<i>0.06</i>	
22 07 19 00-0534 LF 5" ID, 0.020" Aluminum Insulation Jacketing	7.40	1.27
<i>For Stucco Embossed, Add</i>	<i>0.02</i>	
<i>For Corrugated, Add</i>	<i>0.06</i>	
22 07 19 00-0535 LF 5-1/4" ID, 0.020" Aluminum Insulation Jacketing	7.66	1.30
<i>For Stucco Embossed, Add</i>	<i>0.02</i>	
<i>For Corrugated, Add</i>	<i>0.06</i>	
22 07 19 00-0536 LF 5-1/2" ID, 0.020" Aluminum Insulation Jacketing	7.88	1.33
<i>For Stucco Embossed, Add</i>	<i>0.03</i>	
<i>For Corrugated, Add</i>	<i>0.06</i>	
22 07 19 00-0537 LF 5-3/4" ID, 0.020" Aluminum Insulation Jacketing	8.15	1.36
<i>For Stucco Embossed, Add</i>	<i>0.03</i>	
<i>For Corrugated, Add</i>	<i>0.07</i>	
22 07 19 00-0538 LF 6" ID, 0.020" Aluminum Insulation Jacketing	8.42	1.40
<i>For Stucco Embossed, Add</i>	<i>0.03</i>	
<i>For Corrugated, Add</i>	<i>0.07</i>	
22 07 19 00-0539 LF 6-1/4" ID, 0.020" Aluminum Insulation Jacketing	8.61	1.42
<i>For Stucco Embossed, Add</i>	<i>0.03</i>	
<i>For Corrugated, Add</i>	<i>0.07</i>	
22 07 19 00-0540 LF 6-1/2" ID, 0.020" Aluminum Insulation Jacketing	8.81	1.45
<i>For Stucco Embossed, Add</i>	<i>0.03</i>	
<i>For Corrugated, Add</i>	<i>0.08</i>	
22 07 19 00-0541 LF 7" ID, 0.020" Aluminum Insulation Jacketing	9.15	1.48
<i>For Stucco Embossed, Add</i>	<i>0.03</i>	
<i>For Corrugated, Add</i>	<i>0.08</i>	
22 07 19 00-0542 LF 7-1/4" ID, 0.020" Aluminum Insulation Jacketing	9.40	1.51
<i>For Stucco Embossed, Add</i>	<i>0.03</i>	
<i>For Corrugated, Add</i>	<i>0.08</i>	
22 07 19 00-0543 LF 7-1/2" ID, 0.020" Aluminum Insulation Jacketing	9.61	1.54
<i>For Stucco Embossed, Add</i>	<i>0.03</i>	
<i>For Corrugated, Add</i>	<i>0.09</i>	
22 07 19 00-0544 LF 8" ID, 0.020" Aluminum Insulation Jacketing	9.93	1.57
<i>For Stucco Embossed, Add</i>	<i>0.04</i>	
<i>For Corrugated, Add</i>	<i>0.09</i>	
22 07 19 00-0545 LF 8-1/2" ID, 0.020" Aluminum Insulation Jacketing	10.25	1.59
<i>For Stucco Embossed, Add</i>	<i>0.04</i>	
<i>For Corrugated, Add</i>	<i>0.10</i>	
22 07 19 00-0546 LF 9" ID, 0.020" Aluminum Insulation Jacketing	10.62	1.63
<i>For Stucco Embossed, Add</i>	<i>0.04</i>	
<i>For Corrugated, Add</i>	<i>0.10</i>	
22 07 19 00-0547 LF 9-1/2" ID, 0.020" Aluminum Insulation Jacketing	10.97	1.66
<i>For Stucco Embossed, Add</i>	<i>0.04</i>	
<i>For Corrugated, Add</i>	<i>0.11</i>	
22 07 19 00-0548 LF 10" ID, 0.020" Aluminum Insulation Jacketing	11.31	1.69
<i>For Stucco Embossed, Add</i>	<i>0.05</i>	
<i>For Corrugated, Add</i>	<i>0.11</i>	
22 07 19 00-0549 LF 10-1/2" ID, 0.020" Aluminum Insulation Jacketing	11.65	1.72
<i>For Stucco Embossed, Add</i>	<i>0.05</i>	
<i>For Corrugated, Add</i>	<i>0.12</i>	
22 07 19 00-0550 LF 11" ID, 0.0106 Aluminum Insulation Jacketing.....	12.06	1.77
<i>For Stucco Embossed, Add</i>	<i>0.05</i>	
<i>For Corrugated, Add</i>	<i>0.12</i>	
22 07 19 00-0551 LF 11-1/2" ID, 0.020" Aluminum Insulation Jacketing	12.43	1.80
<i>For Stucco Embossed, Add</i>	<i>0.05</i>	
<i>For Corrugated, Add</i>	<i>0.13</i>	
22 07 19 00-0552 LF 12" ID, 0.020" Aluminum Insulation Jacketing	12.79	1.83
<i>For Stucco Embossed, Add</i>	<i>0.05</i>	
<i>For Corrugated, Add</i>	<i>0.14</i>	
22 07 19 00-0553 LF 12-1/2" ID, 0.020" Aluminum Insulation Jacketing	13.22	1.89
<i>For Stucco Embossed, Add</i>	<i>0.06</i>	
<i>For Corrugated, Add</i>	<i>0.14</i>	
22 07 19 00-0554 LF 13" ID, 0.020" Aluminum Insulation Jacketing	13.52	1.91
<i>For Stucco Embossed, Add</i>	<i>0.06</i>	
<i>For Corrugated, Add</i>	<i>0.15</i>	
22 07 19 00-0555 LF 14" ID, 0.020" Aluminum Insulation Jacketing	14.05	1.93
<i>For Stucco Embossed, Add</i>	<i>0.06</i>	
<i>For Corrugated, Add</i>	<i>0.16</i>	
22 07 19 00-0556 LF 15" ID, 0.020" Aluminum Insulation Jacketing	14.64	1.98
<i>For Stucco Embossed, Add</i>	<i>0.07</i>	
<i>For Corrugated, Add</i>	<i>0.17</i>	
22 07 19 00-0557 LF 16" ID, 0.020" Aluminum Insulation Jacketing	15.17	2.00
<i>For Stucco Embossed, Add</i>	<i>0.07</i>	
<i>For Corrugated, Add</i>	<i>0.18</i>	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0558	LF		17" ID, 0.020" Aluminum Insulation Jacketing.....	15.78	2.04
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0559	LF		18" ID, 0.020" Aluminum Insulation Jacketing.....	16.16	2.06
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0560	LF		19" ID, 0.020" Aluminum Insulation Jacketing.....	16.93	2.11
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0561	LF		20" ID, 0.020" Aluminum Insulation Jacketing.....	17.48	2.13
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0562	LF		21" ID, 0.020" Aluminum Insulation Jacketing.....	18.10	2.18
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0563	LF		22" ID, 0.020" Aluminum Insulation Jacketing.....	18.64	2.20
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.25	
22 07 19 00-0564	LF		23" ID, 0.020" Aluminum Insulation Jacketing.....	19.30	2.25
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0565	LF		24" ID, 0.020" Aluminum Insulation Jacketing.....	19.84	2.28
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0566			24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0457)		
22 07 19 00-0567	LF		1/2" ID, 0.024" Aluminum Insulation Jacketing.....	4.20	0.94
			<i>For Stucco Embossed, Add</i>	0.00	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0568	LF		3/4" ID, 0.024" Aluminum Insulation Jacketing.....	4.41	0.96
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0569	LF		1" ID, 0.024" Aluminum Insulation Jacketing.....	4.63	0.98
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0570	LF		1-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	4.86	1.00
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0571	LF		1-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	5.05	1.02
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0572	LF		1-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	5.24	1.03
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0573	LF		2" ID, 0.024" Aluminum Insulation Jacketing.....	5.45	1.06
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0574	LF		2-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	5.68	1.08
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0575	LF		2-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	5.92	1.10
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0576	LF		2-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	6.12	1.12
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0577	LF		3" ID, 0.024" Aluminum Insulation Jacketing.....	6.36	1.14
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0578	LF		3-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	6.59	1.18
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0579	LF		3-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	6.83	1.20
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0580	LF		3-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	7.04	1.23
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0581	LF		4" ID, 0.024" Aluminum Insulation Jacketing.....	7.29	1.26
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0582	LF		4-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	7.55	1.29
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0583	LF		4-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	7.83	1.32
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0584	LF		4-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	8.06	1.34
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0585	LF		5" ID, 0.024" Aluminum Insulation Jacketing.....	8.34	1.38
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0586	LF		5-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	8.61	1.42
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0587	LF		5-1/2" ID, 0.024" Aluminum Insulation Jacketing	8.86	1.45
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0588	LF		5-3/4" ID, 0.024" Aluminum Insulation Jacketing	9.19	1.49
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0589	LF		6" ID, 0.024" Aluminum Insulation Jacketing	9.49	1.53
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0590	LF		6-1/4" ID, 0.024" Aluminum Insulation Jacketing	9.71	1.55
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0591	LF		6-1/2" ID, 0.024" Aluminum Insulation Jacketing	9.93	1.58
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0592	LF		7" ID, 0.024" Aluminum Insulation Jacketing	10.32	1.61
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0593	LF		7-1/4" ID, 0.024" Aluminum Insulation Jacketing	10.60	1.65
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0594	LF		7-1/2" ID, 0.024" Aluminum Insulation Jacketing	10.85	1.68
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0595	LF		8" ID, 0.024" Aluminum Insulation Jacketing	11.22	1.71
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0596	LF		8-1/2" ID, 0.024" Aluminum Insulation Jacketing	11.59	1.73
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0597	LF		9" ID, 0.024" Aluminum Insulation Jacketing	12.03	1.78
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0598	LF		9-1/2" ID, 0.024" Aluminum Insulation Jacketing	12.43	1.81
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0599	LF		10" ID, 0.024" Aluminum Insulation Jacketing	12.82	1.84
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0600	LF		10-1/2" ID, 0.024" Aluminum Insulation Jacketing	13.22	1.87
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0601	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	13.69	1.92
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0602	LF		11-1/2" ID, 0.024" Aluminum Insulation Jacketing	14.11	1.97
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0603	LF		12" ID, 0.024" Aluminum Insulation Jacketing	14.53	2.01
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0604	LF		12-1/2" ID, 0.024" Aluminum Insulation Jacketing	15.03	2.07
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0605	LF		13" ID, 0.024" Aluminum Insulation Jacketing	15.38	2.09
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0606	LF		14" ID, 0.024" Aluminum Insulation Jacketing	15.99	2.11
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0607	LF		15" ID, 0.024" Aluminum Insulation Jacketing	16.68	2.15
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0608	LF		16" ID, 0.024" Aluminum Insulation Jacketing	17.31	2.18
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0609	LF		17" ID, 0.024" Aluminum Insulation Jacketing	18.02	2.22
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0610	LF		18" ID, 0.024" Aluminum Insulation Jacketing	18.47	2.25
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0611	LF		19" ID, 0.024" Aluminum Insulation Jacketing	19.38	2.29
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0612	LF		20" ID, 0.024" Aluminum Insulation Jacketing	20.01	2.32
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0613	LF		21" ID, 0.024" Aluminum Insulation Jacketing	20.74	2.37
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.28	
22 07 19 00-0614	LF		22" ID, 0.024" Aluminum Insulation Jacketing	21.38	2.40
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0615	LF		23" ID, 0.024" Aluminum Insulation Jacketing	22.15	2.46
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.31	
22 07 19 00-0616	LF		24" ID, 0.024" Aluminum Insulation Jacketing	22.78	2.49
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.32	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0617			32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0457)</small>		
22 07 19 00-0618	LF		1/2" ID, 0.032" Aluminum Insulation Jacketing.....	4.75	1.04
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.01	
22 07 19 00-0619	LF		3/4" ID, 0.032" Aluminum Insulation Jacketing.....	5.01	1.06
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0620	LF		1" ID, 0.032" Aluminum Insulation Jacketing.....	5.30	1.09
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.02	
22 07 19 00-0621	LF		1-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	5.58	1.11
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0622	LF		1-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	5.82	1.13
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0623	LF		1-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	6.06	1.15
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.04	
22 07 19 00-0624	LF		2" ID, 0.032" Aluminum Insulation Jacketing.....	6.33	1.18
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0625	LF		2-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	6.60	1.20
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0626	LF		2-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	6.90	1.23
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0627	LF		2-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	7.15	1.25
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0628	LF		3" ID, 0.032" Aluminum Insulation Jacketing.....	7.46	1.28
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0629	LF		3-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	7.75	1.30
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.06	
22 07 19 00-0630	LF		3-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	8.05	1.33
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0631	LF		3-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	8.32	1.36
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0632	LF		4" ID, 0.032" Aluminum Insulation Jacketing.....	8.63	1.39
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0633	LF		4-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	8.93	1.42
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0634	LF		4-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	9.28	1.46
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.09	
22 07 19 00-0635	LF		4-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	9.57	1.49
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0636	LF		5" ID, 0.032" Aluminum Insulation Jacketing.....	9.90	1.53
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0637	LF		5-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	10.24	1.57
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0638	LF		5-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	10.55	1.60
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0639	LF		5-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	10.92	1.65
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0640	LF		6" ID, 0.032" Aluminum Insulation Jacketing.....	11.30	1.69
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.11	
22 07 19 00-0641	LF		6-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	11.57	1.72
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0642	LF		6-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	11.86	1.74
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0643	LF		7" ID, 0.032" Aluminum Insulation Jacketing.....	12.35	1.78
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0644	LF		7-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	12.69	1.83
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0645	LF		7-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	12.98	1.86
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.14	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0646	LF		8" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.46 0.06 0.15	1.89
22 07 19 00-0647	LF		8-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.93 0.06 0.16	1.92
22 07 19 00-0648	LF		9" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.48 0.07 0.16	1.98
22 07 19 00-0649	LF		9-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.99 0.07 0.17	2.01
22 07 19 00-0650	LF		10" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.48 0.07 0.18	2.05
22 07 19 00-0651	LF		10-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.98 0.08 0.19	2.08
22 07 19 00-0652	LF		11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.56 0.08 0.20	2.14
22 07 19 00-0653	LF		11-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.10 0.08 0.21	2.18
22 07 19 00-0654	LF		12" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.61 0.09 0.22	2.22
22 07 19 00-0655	LF		12-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.24 0.09 0.23	2.29
22 07 19 00-0656	LF		13" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.68 0.09 0.24	2.31
22 07 19 00-0657	LF		14" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.49 0.10 0.25	2.34
22 07 19 00-0658	LF		15" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.38 0.11 0.27	2.38
22 07 19 00-0659	LF		16" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.20 0.12 0.29	2.41
22 07 19 00-0660	LF		17" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.12 0.12 0.31	2.46
22 07 19 00-0661	LF		18" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.70 0.13 0.32	2.49
22 07 19 00-0662	LF		19" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.86 0.14 0.34	2.54
22 07 19 00-0663	LF		20" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.69 0.14 0.36	2.57
22 07 19 00-0664	LF		21" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.62 0.15 0.38	2.63
22 07 19 00-0665	LF		22" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.45 0.16 0.40	2.66
22 07 19 00-0666	LF		23" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.42 0.17 0.41	2.72
22 07 19 00-0667	LF		24" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.25 0.17 0.43	2.76
22 07 19 00-0668			40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0457)		
22 07 19 00-0669	LF		1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.53 0.01 0.02	1.20
22 07 19 00-0670	LF		3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.86 0.01 0.02	1.23
22 07 19 00-0671	LF		1" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.19 0.01 0.03	1.26
22 07 19 00-0672	LF		1-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.54 0.01 0.04	1.29
22 07 19 00-0673	LF		1-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.84 0.02 0.04	1.31
22 07 19 00-0674	LF		1-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.13 0.02 0.05	1.33

22 Plumbing

22 07 Plumbing Insulation

22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0675	LF		2" ID, 0.040" Aluminum Insulation Jacketing.....	7.45	1.35
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0676	LF		2-1/4" ID, 0.040" Aluminum Insulation Jacketing	7.78	1.38
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0677	LF		2-1/2" ID, 0.040" Aluminum Insulation Jacketing	8.15	1.41
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.06	
22 07 19 00-0678	LF		2-3/4" ID, 0.040" Aluminum Insulation Jacketing	8.46	1.43
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0679	LF		3" ID, 0.040" Aluminum Insulation Jacketing.....	8.84	1.46
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0680	LF		3-1/4" ID, 0.040" Aluminum Insulation Jacketing	9.19	1.50
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0681	LF		3-1/2" ID, 0.040" Aluminum Insulation Jacketing	9.54	1.53
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.09	
22 07 19 00-0682	LF		3-3/4" ID, 0.040" Aluminum Insulation Jacketing	9.87	1.56
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0683	LF		4" ID, 0.040" Aluminum Insulation Jacketing.....	10.24	1.60
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0684	LF		4-1/4" ID, 0.040" Aluminum Insulation Jacketing	10.62	1.63
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0685	LF		4-1/2" ID, 0.040" Aluminum Insulation Jacketing	11.04	1.68
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0686	LF		4-3/4" ID, 0.040" Aluminum Insulation Jacketing	11.39	1.71
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.11	
22 07 19 00-0687	LF		5" ID, 0.040" Aluminum Insulation Jacketing.....	11.79	1.75
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0688	LF		5-1/4" ID, 0.040" Aluminum Insulation Jacketing	12.20	1.80
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0689	LF		5-1/2" ID, 0.040" Aluminum Insulation Jacketing	12.56	1.84
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0690	LF		5-3/4" ID, 0.040" Aluminum Insulation Jacketing	13.03	1.89
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.14	
22 07 19 00-0691	LF		6" ID, 0.040" Aluminum Insulation Jacketing.....	13.47	1.95
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.14	
22 07 19 00-0692	LF		6-1/4" ID, 0.040" Aluminum Insulation Jacketing	13.81	1.98
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.15	
22 07 19 00-0693	LF		6-1/2" ID, 0.040" Aluminum Insulation Jacketing	14.15	2.01
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.15	
22 07 19 00-0694	LF		7" ID, 0.040" Aluminum Insulation Jacketing.....	14.74	2.06
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.16	
22 07 19 00-0695	LF		7-1/4" ID, 0.040" Aluminum Insulation Jacketing	15.17	2.11
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0696	LF		7-1/2" ID, 0.040" Aluminum Insulation Jacketing	15.52	2.14
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0697	LF		8" ID, 0.040" Aluminum Insulation Jacketing.....	16.11	2.18
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.19	
22 07 19 00-0698	LF		8-1/2" ID, 0.040" Aluminum Insulation Jacketing	16.68	2.21
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.20	
22 07 19 00-0699	LF		9" ID, 0.040" Aluminum Insulation Jacketing.....	17.35	2.27
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.21	
22 07 19 00-0700	LF		9-1/2" ID, 0.040" Aluminum Insulation Jacketing	17.98	2.31
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.22	
22 07 19 00-0701	LF		10" ID, 0.040" Aluminum Insulation Jacketing.....	18.58	2.35
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.23	
22 07 19 00-0702	LF		10-1/2" ID, 0.040" Aluminum Insulation Jacketing	19.18	2.39
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.24	
22 07 19 00-0703	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	19.89	2.46
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.25	
22 07 19 00-0704	LF		11-1/2" ID, 0.040" Aluminum Insulation Jacketing	20.55	2.51
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07	19 00-0705	LF	12" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.18 0.11 0.27	2.55
22 07	19 00-0706	LF	12-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.93 0.11 0.29	2.63
22 07	19 00-0707	LF	13" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.47 0.12 0.30	2.66
22 07	19 00-0708	LF	14" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.49 0.13 0.32	2.68
22 07	19 00-0709	LF	15" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.58 0.14 0.34	2.75
22 07	19 00-0710	LF	16" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.60 0.15 0.36	2.78
22 07	19 00-0711	LF	17" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.71 0.15 0.38	2.83
22 07	19 00-0712	LF	18" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.45 0.16 0.40	2.86
22 07	19 00-0713	LF	19" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.87 0.17 0.43	2.93
22 07	19 00-0714	LF	20" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.91 0.18 0.45	2.96
22 07	19 00-0715	LF	21" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.06 0.19 0.47	3.03
22 07	19 00-0716	LF	22" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.08 0.20 0.50	3.06
22 07	19 00-0717	LF	23" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.28 0.21 0.52	3.13
22 07	19 00-0718	LF	24" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.29 0.22 0.54	3.17

22 07 19 00-0719 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0457)

22 07 19 00-0720	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	9.25	1.23
22 07 19 00-0721	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	9.43	1.28
22 07 19 00-0722	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	10.77	1.33
22 07 19 00-0723	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	10.85	1.35
22 07 19 00-0724	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	10.93	1.37
22 07 19 00-0725	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	11.06	1.40
22 07 19 00-0726	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	11.66	1.44
22 07 19 00-0727	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	11.82	1.47
22 07 19 00-0728	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	13.00	1.50
22 07 19 00-0729	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	13.28	1.52
22 07 19 00-0730	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	13.78	1.56
22 07 19 00-0731	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	14.11	1.59
22 07 19 00-0732	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	14.23	1.62
22 07 19 00-0733	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	14.35	1.65
22 07 19 00-0734	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	15.47	1.69
22 07 19 00-0735	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	16.94	1.72
22 07 19 00-0736	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	19.62	1.77
22 07 19 00-0737	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	19.77	1.81
22 07 19 00-0738	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	18.17	1.87
22 07 19 00-0739	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	18.34	1.91
22 07 19 00-0740	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.78	1.98
22 07 19 00-0741	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.71	2.03
22 07 19 00-0742	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.81	2.05
22 07 19 00-0743	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.27	2.08
22 07 19 00-0744	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	25.53	2.10
22 07 19 00-0745	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.25	2.15
22 07 19 00-0746	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.47	2.21
22 07 19 00-0747	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.21	2.24
22 07 19 00-0748	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.34	2.27
22 07 19 00-0749	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.97	2.29
22 07 19 00-0750	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.09	2.33
22 07 19 00-0751	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	36.60	2.39
22 07 19 00-0752	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	36.73	2.42
22 07 19 00-0753	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	58.11	2.49
22 07 19 00-0754	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	58.25	2.53
22 07 19 00-0755	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	74.96	2.60
22 07 19 00-0756	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	78.23	2.68
22 07 19 00-0757	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	84.53	2.73
22 07 19 00-0758	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	9.98	1.37
22 07 19 00-0759	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	10.11	1.40
22 07 19 00-0760	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	10.83	1.44
22 07 19 00-0761	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	10.99	1.47

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0762	EA		3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	11.81	1.50
22 07 19 00-0763	EA		3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	11.91	1.52
22 07 19 00-0764	EA		4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	12.18	1.56
22 07 19 00-0765	EA		4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	13.12	1.59
22 07 19 00-0766	EA		4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	13.24	1.62
22 07 19 00-0767	EA		4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	13.36	1.65
22 07 19 00-0768	EA		5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	14.68	1.69
22 07 19 00-0769	EA		5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	14.81	1.72
22 07 19 00-0770	EA		5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	15.40	1.77
22 07 19 00-0771	EA		6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	15.79	1.87
22 07 19 00-0772	EA		6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.39	1.98
22 07 19 00-0773	EA		7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.57	2.03
22 07 19 00-0774	EA		7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.89	2.08
22 07 19 00-0775	EA		8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.99	2.10
22 07 19 00-0776	EA		8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	23.01	2.15
22 07 19 00-0777	EA		9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	23.23	2.21
22 07 19 00-0778	EA		9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.94	2.24
22 07 19 00-0779	EA		10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.07	2.27
22 07 19 00-0780	EA		10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	27.89	2.29
22 07 19 00-0781	EA		11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.01	2.33
22 07 19 00-0782	EA		11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.04	2.39
22 07 19 00-0783	EA		12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.17	2.42
22 07 19 00-0784	EA		13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	36.51	2.53
22 07 19 00-0785	EA		14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	42.80	2.60
22 07 19 00-0786	EA		15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	60.64	2.68
22 07 19 00-0787	EA		16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	65.00	2.73
22 07 19 00-0788	EA		17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	63.90	2.78
22 07 19 00-0789	EA		18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	71.51	2.82
22 07 19 00-0790	EA		19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	85.04	2.87
22 07 19 00-0791	EA		20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	82.83	2.92
22 07 19 00-0792	EA		21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	88.68	2.97
22 07 19 00-0793	EA		2-1/2" ID, Aluminum Tee Insulation Jacketing	38.83	1.95
22 07 19 00-0794	EA		2-3/4" ID, Aluminum Tee Insulation Jacketing	39.01	2.01
22 07 19 00-0795	EA		3" ID, Aluminum Tee Insulation Jacketing.....	43.22	2.05
22 07 19 00-0796	EA		3-1/4" ID, Aluminum Tee Insulation Jacketing.....	43.43	2.10
22 07 19 00-0797	EA		3-1/2" ID Aluminum Tee Insulation Jacketing	45.31	2.15
22 07 19 00-0798	EA		4" ID, Aluminum Tee Insulation Jacketing.....	45.93	2.21
22 07 19 00-0799	EA		4-1/4" ID, Aluminum Tee Insulation Jacketing.....	48.31	2.27
22 07 19 00-0800	EA		4-1/2" ID, Aluminum Tee Insulation Jacketing.....	48.23	2.33
22 07 19 00-0801	EA		4-3/4" ID, Aluminum Tee Insulation Jacketing.....	48.49	2.39
22 07 19 00-0802	EA		5" ID, Aluminum Tee Insulation Jacketing.....	50.22	2.46
22 07 19 00-0803	EA		5-1/4" ID, Aluminum Tee Insulation Jacketing.....	50.50	2.53
22 07 19 00-0804	EA		5-1/2" ID, Aluminum Tee Insulation Jacketing.....	52.59	2.60
22 07 19 00-0805	EA		6" ID, Aluminum Tee Insulation Jacketing.....	52.93	2.68
22 07 19 00-0806	EA		6-1/2" ID, Aluminum Tee Insulation Jacketing.....	57.79	2.87
22 07 19 00-0807	EA		7" ID, Aluminum Tee Insulation Jacketing.....	58.18	2.97
22 07 19 00-0808	EA		7-1/2" ID, Aluminum Tee Insulation Jacketing.....	63.80	3.07
22 07 19 00-0809	EA		8" ID, Aluminum Tee Insulation Jacketing.....	64.25	3.19
22 07 19 00-0810	EA		8-1/2" ID, Aluminum Tee Insulation Jacketing.....	66.11	3.31
22 07 19 00-0811	EA		9" ID, Aluminum Tee Insulation Jacketing.....	66.64	3.44
22 07 19 00-0812	EA		9-1/2" ID, Aluminum Tee Insulation Jacketing.....	53.29	3.51
22 07 19 00-0813	EA		10" ID, Aluminum Tee Insulation Jacketing.....	53.57	3.59
22 07 19 00-0814	EA		10-1/2" ID, Aluminum Tee Insulation Jacketing.....	56.44	3.66
22 07 19 00-0815	EA		11" ID, Aluminum Tee Insulation Jacketing.....	56.75	3.74
22 07 19 00-0816	EA		11-1/2" ID, Aluminum Tee Insulation Jacketing.....	59.37	3.82
22 07 19 00-0817	EA		12" ID, Aluminum Tee Insulation Jacketing.....	59.71	3.91
22 07 19 00-0818	EA		13" ID, Aluminum Tee Insulation Jacketing.....	62.27	4.00
22 07 19 00-0819	EA		14" ID, Aluminum Tee Insulation Jacketing.....	64.93	4.09
22 07 19 00-0820	EA		15" ID, Aluminum Tee Insulation Jacketing.....	69.27	4.19
22 07 19 00-0821	EA		16" ID, Aluminum Tee Insulation Jacketing.....	71.02	4.30
22 07 19 00-0822	EA		17" ID, Aluminum Tee Insulation Jacketing.....	79.51	4.42
22 07 19 00-0823	EA		18" ID, Aluminum Tee Insulation Jacketing.....	82.38	4.53
22 07 19 00-0824	EA		19" ID, Aluminum Tee Insulation Jacketing.....	89.68	4.65
22 07 19 00-0825	EA		20" ID, Aluminum Tee Insulation Jacketing.....	91.74	4.78
22 07 19 00-0826	EA		22" ID, Aluminum Tee Insulation Jacketing.....	112.05	4.91
22 07 19 00-0827	EA		23" ID, Aluminum Tee Insulation Jacketing.....	115.20	5.06
22 07 19 00-0828	EA		24" ID, Aluminum Tee Insulation Jacketing.....	119.63	5.55
22 07 19 00-0829			Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0456)		
22 07 19 00-0830			Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0829)		
22 07 19 00-0831	SF		0.010" Stainless Steel Insulation Jacket With Bands	9.20	3.22
22 07 19 00-0832	SF		0.016" Stainless Steel Insulation Jacket With Bands	11.54	3.87
22 07 19 00-0833			10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0829)		
22 07 19 00-0834	LF		2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	5.79	0.69
22 07 19 00-0835	LF		2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	6.11	0.70
22 07 19 00-0836	LF		3" ID, 0.010" Stainless Steel Insulation Jacketing.....	6.43	0.72
22 07 19 00-0837	LF		3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	6.77	0.73
22 07 19 00-0838	LF		3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	7.10	0.75
22 07 19 00-0839	LF		3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	7.44	0.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0840	LF	4"	ID, 0.010" Stainless Steel Insulation Jacketing.....	7.77	0.78
22 07 19 00-0841	LF	4-1/4"	ID, 0.010" Stainless Steel Insulation Jacketing.....	8.11	0.80
22 07 19 00-0842	LF	4-1/2"	ID, 0.010" Stainless Steel Insulation Jacketing.....	8.46	0.82
22 07 19 00-0843	LF	5"	ID, 0.010" Stainless Steel Insulation Jacketing.....	9.16	0.86
22 07 19 00-0844	LF	5-1/2"	ID, 0.010" Stainless Steel Insulation Jacketing.....	9.89	0.90
22 07 19 00-0845	LF	6"	ID, 0.010" Stainless Steel Insulation Jacketing.....	10.61	0.95
22 07 19 00-0846	LF	6-1/2"	ID, 0.010" Stainless Steel Insulation Jacketing.....	11.26	0.98
22 07 19 00-0847	LF	7"	ID, 0.010" Stainless Steel Insulation Jacketing.....	11.93	1.01
22 07 19 00-0848	LF	7-1/2"	ID, 0.010" Stainless Steel Insulation Jacketing.....	12.60	1.05
22 07 19 00-0849	LF	8"	ID, 0.010" Stainless Steel Insulation Jacketing.....	13.22	1.07
22 07 19 00-0850	LF	8-1/2"	ID, 0.010" Stainless Steel Insulation Jacketing.....	13.84	1.09
22 07 19 00-0851	LF	9"	ID, 0.010" Stainless Steel Insulation Jacketing.....	14.47	1.11
22 07 19 00-0852	LF	9-1/2"	ID, 0.010" Stainless Steel Insulation Jacketing.....	15.09	1.13
22 07 19 00-0853	LF	10"	ID, 0.010" Stainless Steel Insulation Jacketing.....	15.72	1.15
22 07 19 00-0854	LF	10-1/2"	ID, 0.010" Stainless Steel Insulation Jacketing.....	16.35	1.18
22 07 19 00-0855	LF	11"	ID, 0.010" Stainless Steel Insulation Jacketing.....	16.99	1.21
22 07 19 00-0856	LF	12"	ID, 0.010" Stainless Steel Insulation Jacketing.....	18.27	1.26
22 07 19 00-0857	LF	13"	ID, 0.010" Stainless Steel Insulation Jacketing.....	19.55	1.31
22 07 19 00-0858	LF	14"	ID, 0.010" Stainless Steel Insulation Jacketing.....	20.70	1.33

22 07 19 00-0859 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0829)

22 07 19 00-0860	LF	2-1/2"	ID, 0.016" Stainless Steel Insulation Jacketing.....	8.05	0.91
22 07 19 00-0861	LF	2-3/4"	ID, 0.016" Stainless Steel Insulation Jacketing.....	8.52	0.93
22 07 19 00-0862	LF	3"	ID, 0.016" Stainless Steel Insulation Jacketing.....	8.99	0.95
22 07 19 00-0863	LF	3-1/4"	ID, 0.016" Stainless Steel Insulation Jacketing.....	9.47	0.97
22 07 19 00-0864	LF	3-1/2"	ID, 0.016" Stainless Steel Insulation Jacketing.....	9.94	0.99
22 07 19 00-0865	LF	3-3/4"	ID, 0.016" Stainless Steel Insulation Jacketing.....	10.42	1.01
22 07 19 00-0866	LF	4"	ID, 0.016" Stainless Steel Insulation Jacketing.....	10.89	1.04
22 07 19 00-0867	LF	4-1/4"	ID, 0.016" Stainless Steel Insulation Jacketing.....	11.37	1.06
22 07 19 00-0868	LF	4-1/2"	ID, 0.016" Stainless Steel Insulation Jacketing.....	11.87	1.09
22 07 19 00-0869	LF	5"	ID, 0.016" Stainless Steel Insulation Jacketing.....	12.88	1.14
22 07 19 00-0870	LF	5-1/2"	ID, 0.016" Stainless Steel Insulation Jacketing.....	13.90	1.21
22 07 19 00-0871	LF	6"	ID, 0.016" Stainless Steel Insulation Jacketing.....	14.93	1.28
22 07 19 00-0872	LF	6-1/2"	ID, 0.016" Stainless Steel Insulation Jacketing.....	15.86	1.31
22 07 19 00-0873	LF	7"	ID, 0.016" Stainless Steel Insulation Jacketing.....	16.81	1.35
22 07 19 00-0874	LF	7-1/2"	ID, 0.016" Stainless Steel Insulation Jacketing.....	17.77	1.40
22 07 19 00-0875	LF	8"	ID, 0.016" Stainless Steel Insulation Jacketing.....	18.65	1.42
22 07 19 00-0876	LF	8-1/2"	ID, 0.016" Stainless Steel Insulation Jacketing.....	19.54	1.45
22 07 19 00-0877	LF	9"	ID, 0.016" Stainless Steel Insulation Jacketing.....	20.45	1.48
22 07 19 00-0878	LF	9-1/2"	ID, 0.016" Stainless Steel Insulation Jacketing.....	21.33	1.51
22 07 19 00-0879	LF	10"	ID, 0.016" Stainless Steel Insulation Jacketing.....	22.23	1.54
22 07 19 00-0880	LF	10-1/2"	ID, 0.016" Stainless Steel Insulation Jacketing.....	23.15	1.57
22 07 19 00-0881	LF	11"	ID, 0.016" Stainless Steel Insulation Jacketing.....	24.06	1.60
22 07 19 00-0882	LF	12"	ID, 0.016" Stainless Steel Insulation Jacketing.....	25.90	1.67
22 07 19 00-0883	LF	13"	ID, 0.016" Stainless Steel Insulation Jacketing.....	27.71	1.73
22 07 19 00-0884	LF	14"	ID, 0.016" Stainless Steel Insulation Jacketing.....	29.37	1.76

22 07 19 00-0885 Type 316 Stainless Steel Insulation Protective Jacketing For Fittings (22 07 19 00-0829)

22 07 19 00-0886	EA	2-1/2"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	18.84	1.37
22 07 19 00-0887	EA	2-3/4"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	18.97	1.40
22 07 19 00-0888	EA	3"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	19.71	1.44
22 07 19 00-0889	EA	3-1/4"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	19.87	1.47
22 07 19 00-0890	EA	3-1/2"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	20.68	1.50
22 07 19 00-0891	EA	3-3/4"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	21.62	1.52
22 07 19 00-0892	EA	4"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	23.33	1.56
22 07 19 00-0893	EA	4-1/4"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	29.05	1.59
22 07 19 00-0894	EA	4-1/2"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	29.17	1.62
22 07 19 00-0895	EA	5"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	29.96	1.69
22 07 19 00-0896	EA	5-1/2"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	41.68	1.77
22 07 19 00-0897	EA	6"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	45.45	1.87
22 07 19 00-0898	EA	6-1/2"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	60.18	1.98
22 07 19 00-0899	EA	7"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	60.36	2.03
22 07 19 00-0900	EA	7-1/2"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	69.33	2.08
22 07 19 00-0901	EA	8"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	69.63	2.15
22 07 19 00-0902	EA	8-1/2"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	71.71	2.15
22 07 19 00-0903	EA	9"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	104.81	2.21
22 07 19 00-0904	EA	9-1/2"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	103.25	2.24
22 07 19 00-0905	EA	10"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	103.38	2.27
22 07 19 00-0906	EA	10-1/2"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	122.03	2.29
22 07 19 00-0907	EA	11"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	117.03	2.33
22 07 19 00-0908	EA	12"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	131.99	2.42
22 07 19 00-0909	EA	13"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	179.57	2.53
22 07 19 00-0910	EA	14"	ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	181.01	2.60
22 07 19 00-0911	EA	2-1/2"	ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	16.61	1.37
22 07 19 00-0912	EA	2-3/4"	ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	16.74	1.40
22 07 19 00-0913	EA	3"	ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	17.72	1.44
22 07 19 00-0914	EA	3-1/4"	ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	17.88	1.47
22 07 19 00-0915	EA	3-1/2"	ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	18.13	1.50
22 07 19 00-0916	EA	3-3/4"	ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	18.23	1.52
22 07 19 00-0917	EA	4"	ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	21.87	1.56
22 07 19 00-0918	EA	4-1/4"	ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	28.28	1.59


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0919	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	28.40	1.62
22 07 19 00-0920	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	28.52	1.65
22 07 19 00-0921	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	29.04	1.69
22 07 19 00-0922	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	29.38	1.77
22 07 19 00-0923	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	33.92	1.87
22 07 19 00-0924	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	34.35	1.98
22 07 19 00-0925	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	52.83	2.03
22 07 19 00-0926	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	53.96	2.08
22 07 19 00-0927	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	54.06	2.10
22 07 19 00-0928	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	62.03	2.15
22 07 19 00-0929	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	62.25	2.21
22 07 19 00-0930	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	71.65	2.24
22 07 19 00-0931	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	71.78	2.27
22 07 19 00-0932	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	84.56	2.29
22 07 19 00-0933	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	84.68	2.33
22 07 19 00-0934	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	91.56	2.42
22 07 19 00-0935	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	106.45	2.53

22 07 19 00-0936 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0456)
22 07 19 00-0937 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0936)

22 07 19 00-0938	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	2.81	0.64
22 07 19 00-0939	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	2.98	0.66
22 07 19 00-0940	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	3.17	0.69
22 07 19 00-0941	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	3.36	0.72
22 07 19 00-0942	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	3.55	0.75
22 07 19 00-0943	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	3.76	0.78
22 07 19 00-0944	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	3.99	0.82
22 07 19 00-0945	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	4.21	0.86
22 07 19 00-0946	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	4.48	0.90
22 07 19 00-0947	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	4.74	0.95
22 07 19 00-0948	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	4.93	0.98
22 07 19 00-0949	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.11	1.01
22 07 19 00-0950	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.33	1.05
22 07 19 00-0951	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.48	1.07
22 07 19 00-0952	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.64	1.09
22 07 19 00-0953	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.80	1.11
22 07 19 00-0954	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.96	1.13
22 07 19 00-0955	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.12	1.15
22 07 19 00-0956	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.28	1.18
22 07 19 00-0957	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.46	1.21
22 07 19 00-0958	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.63	1.23
22 07 19 00-0959	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.81	1.26
22 07 19 00-0960	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.01	1.29
22 07 19 00-0961	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.16	1.31
22 07 19 00-0962	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.23	1.31
22 07 19 00-0963	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.39	1.33
22 07 19 00-0964	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.62	1.35
22 07 19 00-0965	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.84	1.37
22 07 19 00-0966	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.08	1.39
22 07 19 00-0967	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.32	1.41
22 07 19 00-0968	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.54	1.44
22 07 19 00-0969	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.79	1.46
22 07 19 00-0970	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.04	1.48
22 07 19 00-0971	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.29	1.51
22 07 19 00-0972	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.54	1.54
22 07 19 00-0973	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.80	1.56
22 07 19 00-0974	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.06	1.59
22 07 19 00-0975	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.32	1.62
22 07 19 00-0976	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.59	1.65
22 07 19 00-0977	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.87	1.69
22 07 19 00-0978	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.15	1.72
22 07 19 00-0979	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.44	1.75

22 07 19 00-0980 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0936)

22 07 19 00-0981	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	3.14	0.66
22 07 19 00-0982	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	3.37	0.69
22 07 19 00-0983	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	3.60	0.72
22 07 19 00-0984	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	3.81	0.75
22 07 19 00-0985	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	4.06	0.78
22 07 19 00-0986	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	4.32	0.82
22 07 19 00-0987	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	4.58	0.86
22 07 19 00-0988	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	4.88	0.90
22 07 19 00-0989	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.18	0.95
22 07 19 00-0990	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.40	0.98
22 07 19 00-0991	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.62	1.01
22 07 19 00-0992	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.88	1.05
22 07 19 00-0993	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.07	1.07
22 07 19 00-0994	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.26	1.09
22 07 19 00-0995	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.45	1.11
22 07 19 00-0996	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.65	1.13
22 07 19 00-0997	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.85	1.15
22 07 19 00-0998	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.04	1.18



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains multiple rows of plumbing and insulation work items with associated costs.



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-1081	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	8.94	1.89
22 07 19 00-1082	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	9.32	1.95
22 07 19 00-1083	EA	2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	9.74	2.03
22 07 19 00-1084	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	10.19	2.10
22 07 19 00-1085	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	10.76	2.18
22 07 19 00-1086	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	11.39	2.27
22 07 19 00-1087	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	12.19	2.36
22 07 19 00-1088	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	13.27	2.46
22 07 19 00-1089	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	14.40	2.57
22 07 19 00-1090	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	16.41	2.73
22 07 19 00-1091	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	18.68	2.87
22 07 19 00-1092	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	20.59	2.92
22 07 19 00-1093	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	26.49	3.02
22 07 19 00-1094	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	28.55	3.19
22 07 19 00-1095	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	32.48	3.31
22 07 19 00-1096	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	36.45	3.44
22 07 19 00-1097	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	37.28	3.59
22 07 19 00-1098	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	40.15	3.66
22 07 19 00-1099	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	43.00	3.74
22 07 19 00-1100	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	45.91	3.82
22 07 19 00-1101	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	48.79	3.91
22 07 19 00-1102	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	51.71	4.00
22 07 19 00-1103	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	54.62	4.09
22 07 19 00-1104	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	58.86	4.19
22 07 19 00-1105	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	63.12	4.30
22 07 19 00-1106	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	68.23	4.42
22 07 19 00-1107	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	9.56	1.23
22 07 19 00-1108	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	9.56	1.23
22 07 19 00-1109	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	10.99	1.28
22 07 19 00-1110	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	10.99	1.28
22 07 19 00-1111	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	14.60	1.33
22 07 19 00-1112	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	15.84	1.38
22 07 19 00-1113	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	17.30	1.44
22 07 19 00-1114	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	19.38	1.50
22 07 19 00-1115	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	21.18	1.56
22 07 19 00-1116	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	25.42	1.72
22 07 19 00-1117	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	35.04	1.91
22 07 19 00-1118	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	38.43	2.15
22 07 19 00-1119	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	47.35	2.29
22 07 19 00-1120	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	65.01	2.53
22 07 19 00-1121	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	65.58	2.64
22 07 19 00-1122	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	85.70	2.73
22 07 19 00-1123	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	114.13	2.82
22 07 19 00-1124	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	9.05	1.23
22 07 19 00-1125	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	9.05	1.23
22 07 19 00-1126	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	10.37	1.28
22 07 19 00-1127	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	10.37	1.28
22 07 19 00-1128	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	13.58	1.33
22 07 19 00-1129	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	14.70	1.38
22 07 19 00-1130	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	16.06	1.44
22 07 19 00-1131	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	16.88	1.50
22 07 19 00-1132	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	19.53	1.56
22 07 19 00-1133	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	23.38	1.72
22 07 19 00-1134	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	32.04	1.91
22 07 19 00-1135	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	35.14	2.15
22 07 19 00-1136	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	43.15	2.29
22 07 19 00-1137	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	59.01	2.53
22 07 19 00-1138	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	74.18	2.64
22 07 19 00-1139	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	87.96	2.73
22 07 19 00-1140	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	102.21	2.82
22 07 19 00-1141	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	13.47	1.85
22 07 19 00-1142	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	13.47	1.85
22 07 19 00-1143	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	15.31	1.91
22 07 19 00-1144	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	15.31	1.91
22 07 19 00-1145	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	19.99	1.98
22 07 19 00-1146	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	21.63	2.05
22 07 19 00-1147	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	23.63	2.15
22 07 19 00-1148	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	24.86	2.24
22 07 19 00-1149	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	28.88	2.36
22 07 19 00-1150	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	31.70	2.57
22 07 19 00-1151	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	43.17	2.87
22 07 19 00-1152	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	47.11	3.19
22 07 19 00-1153	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	63.40	3.44
22 07 19 00-1154	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	86.30	3.74
22 07 19 00-1155	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	102.17	4.00
22 07 19 00-1156	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	119.75	4.09
22 07 19 00-1157	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	130.65	4.19

22 10 Plumbing Piping ⁽²²⁾

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 Facility Water Distribution (22 10)

22 11 16 Domestic Water Piping (22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies (22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	7.88	1.66
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	2.17	
		For ASTM 120, Deduct	-0.35	
		For Work In Restricted Working Space, Add	1.66	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	8.61	1.79
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	2.41	
		For ASTM 120, Deduct	-0.42	
		For Work In Restricted Working Space, Add	1.75	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	9.64	1.96
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	2.78	
		For ASTM 120, Deduct	-0.51	
		For Work In Restricted Working Space, Add	1.87	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	11.51	2.04
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.52	
		For ASTM 120, Deduct	-0.73	
		For Work In Restricted Working Space, Add	1.99	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	12.26	2.41
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.79	
		For ASTM 120, Deduct	-0.80	
		For Work In Restricted Working Space, Add	2.07	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	14.67	2.91
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.63	
		For ASTM 120, Deduct	-1.02	
		For Work In Restricted Working Space, Add	2.36	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	21.14	3.45
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	7.21	
		For ASTM 120, Deduct	-1.79	
		For Work In Restricted Working Space, Add	2.77	
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	26.21	4.62
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	9.00	
		For ASTM 120, Deduct	-2.25	
		For Work In Restricted Working Space, Add	3.35	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	38.60	4.96
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	14.48	
		For ASTM 120, Deduct	-4.05	
		For Work In Restricted Working Space, Add	3.47	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	68.45	6.34
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	27.31	
		For ASTM 120, Deduct	-8.17	
		For Work In Restricted Working Space, Add	4.20	
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	80.24	7.49
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	32.14	
		For ASTM 120, Deduct	-9.65	
		For Work In Restricted Working Space, Add	4.77	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings (22 11 16)

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 11 16 00-0014 Threaded And Coupled, Galvanized Steel Piping (22 11 16 00-0013)

Note: ASTM A-53. Includes coupling.

22 11 16 00-0015	LF	1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	3.49	1.66
		For Schedule 80 Pipe, Add	0.72	
		For ASTM 120, Deduct	-0.15	
		For Work In Restricted Working Space, Add	0.76	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0016	LF		3/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	3.96	1.79
			<i>For Schedule 80 Pipe, Add</i>	0.88	
			<i>For ASTM 120, Deduct</i>	-0.19	
			<i>For Work In Restricted Working Space, Add</i>	0.80	
22 11 16 00-0017	LF		1" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	4.81	1.96
			<i>For Schedule 80 Pipe, Add</i>	1.20	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	0.87	
22 11 16 00-0018	LF		1-1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	5.65	2.04
			<i>For Schedule 80 Pipe, Add</i>	1.54	
			<i>For ASTM 120, Deduct</i>	-0.39	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
22 11 16 00-0019	LF		1-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	6.69	2.41
			<i>For Schedule 80 Pipe, Add</i>	1.84	
			<i>For ASTM 120, Deduct</i>	-0.46	
			<i>For Work In Restricted Working Space, Add</i>	1.09	
22 11 16 00-0020	LF		2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	8.51	2.91
			<i>For Schedule 80 Pipe, Add</i>	2.42	
			<i>For ASTM 120, Deduct</i>	-0.62	
			<i>For Work In Restricted Working Space, Add</i>	1.31	
22 11 16 00-0021	LF		2-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	11.75	3.45
			<i>For Schedule 80 Pipe, Add</i>	3.66	
			<i>For ASTM 120, Deduct</i>	-0.98	
			<i>For Work In Restricted Working Space, Add</i>	1.56	
22 11 16 00-0022	LF		3" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	15.51	4.62
			<i>For Schedule 80 Pipe, Add</i>	4.81	
			<i>For ASTM 120, Deduct</i>	-1.29	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0023	LF		4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	19.66	4.96
			<i>For Schedule 80 Pipe, Add</i>	6.60	
			<i>For ASTM 120, Deduct</i>	-1.83	
			<i>For Work In Restricted Working Space, Add</i>	2.24	
22 11 16 00-0024	LF		5" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	25.85	6.34
			<i>For Schedule 80 Pipe, Add</i>	8.80	
			<i>For ASTM 120, Deduct</i>	-2.45	
			<i>For Work In Restricted Working Space, Add</i>	2.85	
22 11 16 00-0025	LF		6" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	32.45	7.49
			<i>For Schedule 80 Pipe, Add</i>	11.31	
			<i>For ASTM 120, Deduct</i>	-3.18	
			<i>For Work In Restricted Working Space, Add</i>	3.37	
22 11 16 00-0026 Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)					
22 11 16 00-0027	EA		1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	12.94	7.41
			<i>For 300 LB Rating, Add</i>	6.96	
			<i>For ASTM 120, Deduct</i>	-0.28	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 11 16 00-0028	EA		3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	14.69	8.28
			<i>For 300 LB Rating, Add</i>	8.46	
			<i>For ASTM 120, Deduct</i>	-0.34	
			<i>For Work In Restricted Working Space, Add</i>	3.73	
22 11 16 00-0029	EA		1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	18.07	9.24
			<i>For 300 LB Rating, Add</i>	15.11	
			<i>For ASTM 120, Deduct</i>	-0.63	
			<i>For Work In Restricted Working Space, Add</i>	4.16	
22 11 16 00-0030	EA		1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	22.34	10.49
			<i>For 300 LB Rating, Add</i>	23.52	
			<i>For ASTM 120, Deduct</i>	-1.00	
			<i>For Work In Restricted Working Space, Add</i>	4.71	
22 11 16 00-0031	EA		1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	26.38	11.81
			<i>For 300 LB Rating, Add</i>	30.54	
			<i>For ASTM 120, Deduct</i>	-1.30	
			<i>For Work In Restricted Working Space, Add</i>	5.31	
22 11 16 00-0032	EA		2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	36.68	15.03
			<i>For 300 LB Rating, Add</i>	49.60	
			<i>For ASTM 120, Deduct</i>	-2.13	
			<i>For Work In Restricted Working Space, Add</i>	6.75	
22 11 16 00-0033	EA		2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	70.43	22.22
			<i>For 300 LB Rating, Add</i>	128.27	
			<i>For ASTM 120, Deduct</i>	-5.57	
			<i>For Work In Restricted Working Space, Add</i>	9.99	
22 11 16 00-0034	EA		3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	105.04	29.21
			<i>For 300 LB Rating, Add</i>	210.84	
			<i>For ASTM 120, Deduct</i>	-9.19	
			<i>For Work In Restricted Working Space, Add</i>	13.14	
22 11 16 00-0035	EA		4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	151.49	28.99
			<i>For 300 LB Rating, Add</i>	369.84	
			<i>For ASTM 120, Deduct</i>	-16.20	
			<i>For Work In Restricted Working Space, Add</i>	13.04	
22 11 16 00-0036	EA		5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	511.81	30.26
			<i>For 300 LB Rating, Add</i>	1,588.62	
			<i>For ASTM 120, Deduct</i>	-69.97	
			<i>For Work In Restricted Working Space, Add</i>	13.61	
22 11 16 00-0037	EA		6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	477.44	31.63
			<i>For 300 LB Rating, Add</i>	1,464.88	
			<i>For ASTM 120, Deduct</i>	-64.50	
			<i>For Work In Restricted Working Space, Add</i>	14.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0038			Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0039	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 15.70		7.82
			<i>For ASTM 120, Deduct</i>	-0.59	
			<i>For Work In Restricted Working Space, Add</i>	3.53	
22 11 16 00-0040	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 18.20		8.78
			<i>For ASTM 120, Deduct</i>	-0.76	
			<i>For Work In Restricted Working Space, Add</i>	3.94	
22 11 16 00-0041	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 17.85		8.32
			<i>For ASTM 120, Deduct</i>	-0.81	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0042	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 23.27		9.86
			<i>For ASTM 120, Deduct</i>	-1.27	
			<i>For Work In Restricted Working Space, Add</i>	4.43	
22 11 16 00-0043	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 24.26		9.36
			<i>For ASTM 120, Deduct</i>	-1.53	
			<i>For Work In Restricted Working Space, Add</i>	4.22	
22 11 16 00-0044	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 24.20		8.95
			<i>For ASTM 120, Deduct</i>	-1.62	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
22 11 16 00-0045	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 30.28		11.15
			<i>For ASTM 120, Deduct</i>	-2.04	
			<i>For Work In Restricted Working Space, Add</i>	5.01	
22 11 16 00-0046	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 29.35		10.53
			<i>For ASTM 120, Deduct</i>	-2.04	
			<i>For Work In Restricted Working Space, Add</i>	4.73	
22 11 16 00-0047	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 28.64		10.03
			<i>For ASTM 120, Deduct</i>	-2.04	
			<i>For Work In Restricted Working Space, Add</i>	4.52	
22 11 16 00-0048	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 35.95		13.39
			<i>For ASTM 120, Deduct</i>	-2.38	
			<i>For Work In Restricted Working Space, Add</i>	6.03	
22 11 16 00-0049	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 37.27		12.74
			<i>For ASTM 120, Deduct</i>	-2.73	
			<i>For Work In Restricted Working Space, Add</i>	5.73	
22 11 16 00-0050	EA		2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 37.03		12.11
			<i>For ASTM 120, Deduct</i>	-2.83	
			<i>For Work In Restricted Working Space, Add</i>	5.45	
22 11 16 00-0051	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 31.76		11.65
			<i>For ASTM 120, Deduct</i>	-2.15	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0052	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 81.61		18.60
			<i>For ASTM 120, Deduct</i>	-8.06	
			<i>For Work In Restricted Working Space, Add</i>	8.37	
22 11 16 00-0053	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 85.35		17.02
			<i>For ASTM 120, Deduct</i>	-8.98	
			<i>For Work In Restricted Working Space, Add</i>	7.65	
22 11 16 00-0054	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 136.19		25.71
			<i>For ASTM 120, Deduct</i>	-14.65	
			<i>For Work In Restricted Working Space, Add</i>	11.56	
22 11 16 00-0055	EA		3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 117.96		22.10
			<i>For ASTM 120, Deduct</i>	-12.72	
			<i>For Work In Restricted Working Space, Add</i>	9.95	
22 11 16 00-0056	EA		4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow 262.32		27.58
			<i>For ASTM 120, Deduct</i>	-33.14	
			<i>For Work In Restricted Working Space, Add</i>	12.41	
22 11 16 00-0057			Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)		
22 11 16 00-0058	EA		1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow 14.01		7.41
			<i>For 300 LB Rating, Add</i>	10.59	
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 11 16 00-0059	EA		3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow 16.62		8.28
			<i>For 300 LB Rating, Add</i>	15.03	
			<i>For ASTM 120, Deduct</i>	-0.63	
			<i>For Work In Restricted Working Space, Add</i>	3.73	
22 11 16 00-0060	EA		1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow 18.61		9.24
			<i>For 300 LB Rating, Add</i>	16.95	
			<i>For ASTM 120, Deduct</i>	-0.71	
			<i>For Work In Restricted Working Space, Add</i>	4.16	
22 11 16 00-0061	EA		1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow 24.56		10.49
			<i>For 300 LB Rating, Add</i>	31.07	
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	4.71	
22 11 16 00-0062	EA		1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow 28.12		11.81
			<i>For 300 LB Rating, Add</i>	36.46	
			<i>For ASTM 120, Deduct</i>	-1.56	
			<i>For Work In Restricted Working Space, Add</i>	5.31	
22 11 16 00-0063	EA		2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow 37.89		15.03
			<i>For 300 LB Rating, Add</i>	53.71	
			<i>For ASTM 120, Deduct</i>	-2.31	
			<i>For Work In Restricted Working Space, Add</i>	6.75	
22 11 16 00-0064	EA		2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow 86.88		22.22
			<i>For 300 LB Rating, Add</i>	184.20	
			<i>For ASTM 120, Deduct</i>	-8.04	
			<i>For Work In Restricted Working Space, Add</i>	9.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0065 EA 3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	121.74	29.21
For 300 LB Rating, Add	267.62	
For ASTM 120, Deduct	-11.69	
For Work In Restricted Working Space, Add	13.14	
22 11 16 00-0066 EA 4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	174.15	28.99
For 300 LB Rating, Add	446.89	
For ASTM 120, Deduct	-19.60	
For Work In Restricted Working Space, Add	13.04	
22 11 16 00-0067 EA 5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	573.38	30.26
For 300 LB Rating, Add	1,797.96	
For ASTM 120, Deduct	-79.20	
For Work In Restricted Working Space, Add	13.61	
22 11 16 00-0068 EA 6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	684.09	31.63
For 300 LB Rating, Add	2,167.49	
For ASTM 120, Deduct	-95.50	
For Work In Restricted Working Space, Add	14.23	
22 11 16 00-0069 Galvanized Malleable Iron Tees (22 11 16 00-0013)		
22 11 16 00-0070 EA 1/2", 150 LB, Galvanized Malleable Iron Tee.....	16.26	9.24
For 300 LB Rating, Add	8.96	
For ASTM 120, Deduct	-0.36	
For Work In Restricted Working Space, Add	4.16	
22 11 16 00-0071 EA 3/4", 150 LB, Galvanized Malleable Iron Tee.....	19.95	10.70
For 300 LB Rating, Add	14.36	
For ASTM 120, Deduct	-0.59	
For Work In Restricted Working Space, Add	4.80	
22 11 16 00-0072 EA 1", 150 LB, Galvanized Malleable Iron Tee.....	25.30	12.60
For 300 LB Rating, Add	22.83	
For ASTM 120, Deduct	-0.96	
For Work In Restricted Working Space, Add	5.68	
22 11 16 00-0073 EA 1-1/4", 150 LB, Galvanized Malleable Iron Tee.....	32.61	15.03
For 300 LB Rating, Add	35.76	
For ASTM 120, Deduct	-1.52	
For Work In Restricted Working Space, Add	6.75	
22 11 16 00-0074 EA 1-1/2", 150 LB, Galvanized Malleable Iron Tee.....	39.43	17.89
For 300 LB Rating, Add	44.38	
For ASTM 120, Deduct	-1.89	
For Work In Restricted Working Space, Add	8.06	
22 11 16 00-0075 EA 2", 150 LB, Galvanized Malleable Iron Tee.....	53.74	22.22
For 300 LB Rating, Add	71.53	
For ASTM 120, Deduct	-3.07	
For Work In Restricted Working Space, Add	9.99	
22 11 16 00-0076 EA 2-1/2", 150 LB, Galvanized Malleable Iron Tee.....	93.75	24.13
For 300 LB Rating, Add	197.91	
For ASTM 120, Deduct	-8.64	
For Work In Restricted Working Space, Add	10.85	
22 11 16 00-0077 EA 3", 150 LB, Galvanized Malleable Iron Tee.....	111.31	29.21
For 300 LB Rating, Add	232.16	
For ASTM 120, Deduct	-10.13	
For Work In Restricted Working Space, Add	13.14	
22 11 16 00-0078 EA 4", 150 LB, Galvanized Malleable Iron Tee.....	214.63	36.63
For 300 LB Rating, Add	546.31	
For ASTM 120, Deduct	-23.96	
For Work In Restricted Working Space, Add	16.48	
22 11 16 00-0079 EA 5", 150 LB, Galvanized Malleable Iron Tee.....	567.26	43.49
For 300 LB Rating, Add	1,710.85	
For ASTM 120, Deduct	-75.31	
For Work In Restricted Working Space, Add	19.57	
22 11 16 00-0080 EA 6", 150 LB, Galvanized Malleable Iron Tee.....	643.96	49.72
For 300 LB Rating, Add	1,940.53	
For ASTM 120, Deduct	-85.41	
For Work In Restricted Working Space, Add	22.36	
22 11 16 00-0081 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)		
22 11 16 00-0082 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	19.43	9.24
For 300 LB Rating, Add	19.74	
For ASTM 120, Deduct	-0.83	
For Work In Restricted Working Space, Add	4.16	
22 11 16 00-0083 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	21.49	10.70
For 300 LB Rating, Add	19.59	
For ASTM 120, Deduct	-0.82	
For Work In Restricted Working Space, Add	4.80	
22 11 16 00-0084 EA 1", 150 LB, Galvanized Malleable Iron Reducing Tee.....	26.62	12.60
For 300 LB Rating, Add	27.32	
For ASTM 120, Deduct	-1.16	
For Work In Restricted Working Space, Add	5.68	
22 11 16 00-0085 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	34.44	15.03
For 300 LB Rating, Add	41.98	
For ASTM 120, Deduct	-1.79	
For Work In Restricted Working Space, Add	6.75	
22 11 16 00-0086 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	41.61	17.89
For 300 LB Rating, Add	51.80	
For ASTM 120, Deduct	-2.21	
For Work In Restricted Working Space, Add	8.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0087	EA		2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	54.83	22.22
			For 300 LB Rating, Add	75.23	
			For ASTM 120, Deduct	-3.23	
			For Work In Restricted Working Space, Add	9.99	
22 11 16 00-0088	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	112.39	24.21
			For 300 LB Rating, Add	260.88	
			For ASTM 120, Deduct	-11.41	
			For Work In Restricted Working Space, Add	10.89	
22 11 16 00-0089	EA		3", 150 LB, Galvanized Malleable Iron Reducing Tee.....	143.18	29.67
			For 300 LB Rating, Add	338.18	
			For ASTM 120, Deduct	-14.80	
			For Work In Restricted Working Space, Add	13.35	
22 11 16 00-0090	EA		4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	340.99	36.63
			For 300 LB Rating, Add	975.93	
			For ASTM 120, Deduct	-42.91	
			For Work In Restricted Working Space, Add	16.48	
22 11 16 00-0091	EA		5", 150 LB, Galvanized Malleable Iron Reducing Tee.....	728.76	43.49
			For 300 LB Rating, Add	2,259.95	
			For ASTM 120, Deduct	-99.53	
			For Work In Restricted Working Space, Add	19.57	
22 11 16 00-0092	EA		6", 150 LB, Galvanized Malleable Iron Reducing Tee.....	827.14	49.72
			For 300 LB Rating, Add	2,563.35	
			For ASTM 120, Deduct	-112.89	
			For Work In Restricted Working Space, Add	22.36	
22 11 16 00-0093			Galvanized Malleable Iron Couplings (22 11 16 00-0013)		
22 11 16 00-0094	EA		1/2", 150 LB, Galvanized Malleable Iron Coupling.....	13.80	7.41
			For 300 LB Rating, Add	9.88	
			For ASTM 120, Deduct	-0.41	
			For Work In Restricted Working Space, Add	3.33	
22 11 16 00-0095	EA		3/4", 150 LB, Galvanized Malleable Iron Coupling.....	15.54	8.28
			For 300 LB Rating, Add	11.35	
			For ASTM 120, Deduct	-0.47	
			For Work In Restricted Working Space, Add	3.73	
22 11 16 00-0096	EA		1", 150 LB, Galvanized Malleable Iron Coupling.....	18.98	9.24
			For 300 LB Rating, Add	18.21	
			For ASTM 120, Deduct	-0.77	
			For Work In Restricted Working Space, Add	4.16	
22 11 16 00-0097	EA		1-1/4", 150 LB, Galvanized Malleable Iron Coupling.....	22.91	10.49
			For 300 LB Rating, Add	25.46	
			For ASTM 120, Deduct	-1.08	
			For Work In Restricted Working Space, Add	4.71	
22 11 16 00-0098	EA		1-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	25.90	11.81
			For 300 LB Rating, Add	28.91	
			For ASTM 120, Deduct	-1.23	
			For Work In Restricted Working Space, Add	5.31	
22 11 16 00-0099	EA		2", 150 LB, Galvanized Malleable Iron Coupling.....	34.46	15.03
			For 300 LB Rating, Add	42.05	
			For ASTM 120, Deduct	-1.80	
			For Work In Restricted Working Space, Add	6.75	
22 11 16 00-0100	EA		2-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	69.94	22.22
			For 300 LB Rating, Add	126.61	
			For ASTM 120, Deduct	-5.50	
			For Work In Restricted Working Space, Add	9.99	
22 11 16 00-0101	EA		3", 150 LB, Galvanized Malleable Iron Coupling.....	92.78	29.21
			For 300 LB Rating, Add	169.16	
			For ASTM 120, Deduct	-7.35	
			For Work In Restricted Working Space, Add	13.14	
22 11 16 00-0102	EA		4", 150 LB, Galvanized Malleable Iron Coupling.....	147.51	28.99
			For 300 LB Rating, Add	356.31	
			For ASTM 120, Deduct	-15.60	
			For Work In Restricted Working Space, Add	13.04	
22 11 16 00-0103	EA		5", 150 LB, Galvanized Malleable Iron Coupling.....	338.29	30.26
			For 300 LB Rating, Add	998.65	
			For ASTM 120, Deduct	-43.94	
			For Work In Restricted Working Space, Add	13.61	
22 11 16 00-0104	EA		6", 150 LB, Galvanized Malleable Iron Coupling.....	381.15	31.63
			For 300 LB Rating, Add	1,137.49	
			For ASTM 120, Deduct	-50.06	
			For Work In Restricted Working Space, Add	14.23	
22 11 16 00-0105			Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)		
22 11 16 00-0106	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	14.37	7.41
			For 300 LB Rating, Add	11.82	
			For ASTM 120, Deduct	-0.49	
			For Work In Restricted Working Space, Add	3.33	
22 11 16 00-0107	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	15.93	8.28
			For 300 LB Rating, Add	12.68	
			For ASTM 120, Deduct	-0.53	
			For Work In Restricted Working Space, Add	3.73	
22 11 16 00-0108	EA		1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	19.72	9.24
			For 300 LB Rating, Add	20.72	
			For ASTM 120, Deduct	-0.88	
			For Work In Restricted Working Space, Add	4.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0109	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	23.26	10.49
			For 300 LB Rating, Add	26.65	
			For ASTM 120, Deduct	-1.13	
			For Work In Restricted Working Space, Add	4.71	
22 11 16 00-0110	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	27.46	11.81
			For 300 LB Rating, Add	34.21	
			For ASTM 120, Deduct	-1.46	
			For Work In Restricted Working Space, Add	5.31	
22 11 16 00-0111	EA		2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	35.79	15.03
			For 300 LB Rating, Add	46.57	
			For ASTM 120, Deduct	-2.00	
			For Work In Restricted Working Space, Add	6.75	
22 11 16 00-0112	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	70.40	22.22
			For 300 LB Rating, Add	128.17	
			For ASTM 120, Deduct	-5.57	
			For Work In Restricted Working Space, Add	9.99	
22 11 16 00-0113	EA		3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	91.39	29.21
			For 300 LB Rating, Add	164.43	
			For ASTM 120, Deduct	-7.14	
			For Work In Restricted Working Space, Add	13.14	
22 11 16 00-0114	EA		4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	150.19	28.99
			For 300 LB Rating, Add	365.42	
			For ASTM 120, Deduct	-16.01	
			For Work In Restricted Working Space, Add	13.04	
22 11 16 00-0115	EA		5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	353.71	30.26
			For 300 LB Rating, Add	1,051.08	
			For ASTM 120, Deduct	-46.25	
			For Work In Restricted Working Space, Add	13.61	
22 11 16 00-0116	EA		6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	398.71	31.63
			For 300 LB Rating, Add	1,197.20	
			For ASTM 120, Deduct	-52.69	
			For Work In Restricted Working Space, Add	14.23	
22 11 16 00-0117			Galvanized Malleable Iron Caps (22 11 16 00-0013)		
22 11 16 00-0118	EA		1/2", 150 LB, Galvanized Malleable Iron Cap.....	7.25	3.45
			For 300 LB Rating, Add	7.28	
			For ASTM 120, Deduct	-0.31	
			For Work In Restricted Working Space, Add	1.56	
22 11 16 00-0119	EA		3/4", 150 LB, Galvanized Malleable Iron Cap.....	8.38	3.71
			For 300 LB Rating, Add	9.96	
			For ASTM 120, Deduct	-0.42	
			For Work In Restricted Working Space, Add	1.67	
22 11 16 00-0120	EA		1", 150 LB, Galvanized Malleable Iron Cap.....	9.91	4.29
			For 300 LB Rating, Add	12.32	
			For ASTM 120, Deduct	-0.53	
			For Work In Restricted Working Space, Add	1.92	
22 11 16 00-0121	EA		1-1/4", 150 LB, Galvanized Malleable Iron Cap.....	11.33	4.50
			For 300 LB Rating, Add	16.11	
			For ASTM 120, Deduct	-0.69	
			For Work In Restricted Working Space, Add	2.01	
22 11 16 00-0122	EA		1-1/2", 150 LB, Galvanized Malleable Iron Cap.....	12.63	4.50
			For 300 LB Rating, Add	20.53	
			For ASTM 120, Deduct	-0.89	
			For Work In Restricted Working Space, Add	2.01	
22 11 16 00-0123	EA		2", 150 LB, Galvanized Malleable Iron Cap.....	17.25	5.95
			For 300 LB Rating, Add	28.76	
			For ASTM 120, Deduct	-1.25	
			For Work In Restricted Working Space, Add	2.69	
22 11 16 00-0124	EA		2-1/2", 150 LB, Galvanized Malleable Iron Cap.....	35.19	7.41
			For 300 LB Rating, Add	82.61	
			For ASTM 120, Deduct	-3.62	
			For Work In Restricted Working Space, Add	3.33	
22 11 16 00-0125	EA		3", 150 LB, Galvanized Malleable Iron Cap.....	42.62	8.95
			For 300 LB Rating, Add	100.09	
			For ASTM 120, Deduct	-4.38	
			For Work In Restricted Working Space, Add	4.03	
22 11 16 00-0126	EA		4", 150 LB, Galvanized Malleable Iron Cap.....	79.42	9.95
			For 300 LB Rating, Add	220.26	
			For ASTM 120, Deduct	-9.68	
			For Work In Restricted Working Space, Add	4.47	
22 11 16 00-0127	EA		5", 150 LB, Galvanized Malleable Iron Cap.....	191.73	12.44
			For 300 LB Rating, Add	589.66	
			For ASTM 120, Deduct	-25.97	
			For Work In Restricted Working Space, Add	5.59	
22 11 16 00-0128	EA		6", 150 LB, Galvanized Malleable Iron Cap.....	240.97	14.79
			For 300 LB Rating, Add	745.15	
			For ASTM 120, Deduct	-32.82	
			For Work In Restricted Working Space, Add	6.66	
22 11 16 00-0129			Galvanized Malleable Iron Unions (22 11 16 00-0013)		
22 11 16 00-0130	EA		1/2", 150 LB, Galvanized Malleable Iron Union.....	21.87	9.24
			For Work In Restricted Working Space, Add	4.16	
22 11 16 00-0131	EA		3/4", 150 LB, Galvanized Malleable Iron Union.....	25.20	10.70
			For Work In Restricted Working Space, Add	4.80	
22 11 16 00-0132	EA		1", 150 LB, Galvanized Malleable Iron Union.....	30.95	12.60
			For Work In Restricted Working Space, Add	5.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0133	EA	1-1/4"	150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	39.89 6.75	15.03
22 11 16 00-0134	EA	1-1/2"	150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	47.93 8.06	17.89
22 11 16 00-0135	EA	2"	150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	57.52 9.99	22.22
22 11 16 00-0136	EA	2-1/2"	150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	133.33 14.74	32.75
22 11 16 00-0137	EA	3"	150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	182.49 19.40	43.07
22 11 16 00-0138	EA	1/2"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	30.13 4.16	9.24
22 11 16 00-0139	EA	3/4"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	30.79 4.80	10.70
22 11 16 00-0140	EA	1"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	37.24 5.68	12.60
22 11 16 00-0141	EA	1-1/4"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	50.23 6.75	15.03
22 11 16 00-0142	EA	1-1/2"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	58.79 8.06	17.89
22 11 16 00-0143	EA	2"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	78.39 9.99	22.22
22 11 16 00-0144	EA	2-1/2"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	167.79 14.74	32.75
22 11 16 00-0145	EA	3"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	246.70 19.40	43.07
22 11 16 00-0146	EA	4"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	349.74 19.25	42.78
22 11 16 00-0147	EA	1/2"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	32.40 4.16	9.24
22 11 16 00-0148	EA	3/4"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	36.10 4.80	10.70
22 11 16 00-0149	EA	1"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	45.58 5.68	12.60
22 11 16 00-0150	EA	1-1/4"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	59.66 6.75	15.03
22 11 16 00-0151	EA	1-1/2"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	71.60 8.06	17.89
22 11 16 00-0152	EA	2"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	87.01 9.99	22.22
22 11 16 00-0153	EA	2-1/2"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	198.98 14.74	32.75
22 11 16 00-0154	EA	3"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	318.08 19.40	43.07
22 11 16 00-0155	EA	4"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	699.77 19.25	42.78
22 11 16 00-0156	Galvanized Steel Nipples (22 11 16 00-0013)				
			Note: ASTM A-53.		
22 11 16 00-0157	EA	3/8" x Close, Schedule 40 Galvanized Steel Nipple	<i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.77 0.93 -0.12 1.79	3.95
22 11 16 00-0158	EA	1/2" x Close, Schedule 40 Galvanized Steel Nipple	<i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.61 0.75 -0.10 1.79	3.95
22 11 16 00-0159	EA	3/4" x Close, Schedule 40 Galvanized Steel Nipple	<i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.76 0.92 -0.12 1.79	3.95
22 11 16 00-0160	EA	1" x Close, Schedule 40 Galvanized Steel Nipple	<i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.51 1.27 -0.17 1.92	4.29
22 11 16 00-0161	EA	1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	<i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8.43 1.70 -0.22 2.08	4.62
22 11 16 00-0162	EA	1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	<i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8.68 1.98 -0.26 2.08	4.62
22 11 16 00-0163	EA	2" x Close, Schedule 40 Galvanized Steel Nipple	<i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.41 2.80 -0.37 2.69	5.95
22 11 16 00-0164	EA	2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	<i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.41 8.34 -1.10 3.33	7.41
22 11 16 00-0165	EA	3" x Close, Schedule 40 Galvanized Steel Nipple	<i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.19 10.00 -1.32 4.03	8.95

22 Plumbing

22 10 Plumbing Piping

22 11 Facility Water Distribution



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 11 16 00-0166	EA	4" x Close, Schedule 40 Galvanized Steel Nipple.....	28.04		9.95
		<i>For Schedule 80 Nipples, Add</i>	14.98		
		<i>For ASTM 120, Deduct</i>	-1.97		
		<i>For Work In Restricted Working Space, Add</i>	4.47		
22 11 16 00-0167	EA	3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	6.89		3.95
		<i>For Schedule 80 Nipples, Add</i>	1.07		
		<i>For ASTM 120, Deduct</i>	-0.14		
		<i>For Work In Restricted Working Space, Add</i>	1.79		
22 11 16 00-0168	EA	1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	6.65		3.95
		<i>For Schedule 80 Nipples, Add</i>	0.80		
		<i>For ASTM 120, Deduct</i>	-0.11		
		<i>For Work In Restricted Working Space, Add</i>	1.79		
22 11 16 00-0169	EA	3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	6.83		3.95
		<i>For Schedule 80 Nipples, Add</i>	1.00		
		<i>For ASTM 120, Deduct</i>	-0.13		
		<i>For Work In Restricted Working Space, Add</i>	1.79		
22 11 16 00-0170	EA	3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	6.89		3.95
		<i>For Schedule 80 Nipples, Add</i>	1.07		
		<i>For ASTM 120, Deduct</i>	-0.14		
		<i>For Work In Restricted Working Space, Add</i>	1.79		
22 11 16 00-0171	EA	1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	6.65		3.95
		<i>For Schedule 80 Nipples, Add</i>	0.80		
		<i>For ASTM 120, Deduct</i>	-0.11		
		<i>For Work In Restricted Working Space, Add</i>	1.79		
22 11 16 00-0172	EA	3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	6.83		3.95
		<i>For Schedule 80 Nipples, Add</i>	1.00		
		<i>For ASTM 120, Deduct</i>	-0.13		
		<i>For Work In Restricted Working Space, Add</i>	1.79		
22 11 16 00-0173	EA	1" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	7.71		4.29
		<i>For Schedule 80 Nipples, Add</i>	1.49		
		<i>For ASTM 120, Deduct</i>	-0.20		
		<i>For Work In Restricted Working Space, Add</i>	1.92		
22 11 16 00-0174	EA	1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	8.53		4.62
		<i>For Schedule 80 Nipples, Add</i>	1.81		
		<i>For ASTM 120, Deduct</i>	-0.24		
		<i>For Work In Restricted Working Space, Add</i>	2.08		
22 11 16 00-0175	EA	1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	8.81		4.62
		<i>For Schedule 80 Nipples, Add</i>	2.13		
		<i>For ASTM 120, Deduct</i>	-0.28		
		<i>For Work In Restricted Working Space, Add</i>	2.08		
22 11 16 00-0176	EA	3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	7.21		3.95
		<i>For Schedule 80 Nipples, Add</i>	1.44		
		<i>For ASTM 120, Deduct</i>	-0.19		
		<i>For Work In Restricted Working Space, Add</i>	1.79		
22 11 16 00-0177	EA	1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	6.77		3.95
		<i>For Schedule 80 Nipples, Add</i>	0.93		
		<i>For ASTM 120, Deduct</i>	-0.12		
		<i>For Work In Restricted Working Space, Add</i>	1.79		
22 11 16 00-0178	EA	3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	6.92		3.95
		<i>For Schedule 80 Nipples, Add</i>	1.11		
		<i>For ASTM 120, Deduct</i>	-0.15		
		<i>For Work In Restricted Working Space, Add</i>	1.79		
22 11 16 00-0179	EA	1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	7.82		4.29
		<i>For Schedule 80 Nipples, Add</i>	1.62		
		<i>For ASTM 120, Deduct</i>	-0.21		
		<i>For Work In Restricted Working Space, Add</i>	1.92		
22 11 16 00-0180	EA	1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	8.69		4.62
		<i>For Schedule 80 Nipples, Add</i>	2.00		
		<i>For ASTM 120, Deduct</i>	-0.26		
		<i>For Work In Restricted Working Space, Add</i>	2.08		
22 11 16 00-0181	EA	1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	9.03		4.62
		<i>For Schedule 80 Nipples, Add</i>	2.38		
		<i>For ASTM 120, Deduct</i>	-0.31		
		<i>For Work In Restricted Working Space, Add</i>	2.08		
22 11 16 00-0182	EA	2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.72		5.95
		<i>For Schedule 80 Nipples, Add</i>	3.16		
		<i>For ASTM 120, Deduct</i>	-0.42		
		<i>For Work In Restricted Working Space, Add</i>	2.69		
22 11 16 00-0183	EA	3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	7.21		3.95
		<i>For Schedule 80 Nipples, Add</i>	1.44		
		<i>For ASTM 120, Deduct</i>	-0.19		
		<i>For Work In Restricted Working Space, Add</i>	1.79		
22 11 16 00-0184	EA	1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	6.77		3.95
		<i>For Schedule 80 Nipples, Add</i>	0.93		
		<i>For ASTM 120, Deduct</i>	-0.12		
		<i>For Work In Restricted Working Space, Add</i>	1.79		
22 11 16 00-0185	EA	3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	6.92		3.95
		<i>For Schedule 80 Nipples, Add</i>	1.11		
		<i>For ASTM 120, Deduct</i>	-0.15		
		<i>For Work In Restricted Working Space, Add</i>	1.79		
22 11 16 00-0186	EA	1" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	7.82		4.29
		<i>For Schedule 80 Nipples, Add</i>	1.62		
		<i>For ASTM 120, Deduct</i>	-0.21		
		<i>For Work In Restricted Working Space, Add</i>	1.92		
22 11 16 00-0187	EA	1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	8.69		4.62
		<i>For Schedule 80 Nipples, Add</i>	2.00		
		<i>For ASTM 120, Deduct</i>	-0.26		
		<i>For Work In Restricted Working Space, Add</i>	2.08		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0188	EA		1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	9.03	4.62
			<i>For Schedule 80 Nipples, Add</i>	2.38	
			<i>For ASTM 120, Deduct</i>	-0.31	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0189	EA		2" x 3" Long, Schedule 40 Galvanized Steel Nipple	11.72	5.95
			<i>For Schedule 80 Nipples, Add</i>	3.16	
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
22 11 16 00-0190	EA		2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	18.69	7.41
			<i>For Schedule 80 Nipples, Add</i>	8.66	
			<i>For ASTM 120, Deduct</i>	-1.14	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 11 16 00-0191	EA		3" x 3" Long, Schedule 40 Galvanized Steel Nipple	23.40	8.95
			<i>For Schedule 80 Nipples, Add</i>	11.38	
			<i>For ASTM 120, Deduct</i>	-1.50	
			<i>For Work In Restricted Working Space, Add</i>	4.03	
22 11 16 00-0192	EA		3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	7.44	3.95
			<i>For Schedule 80 Nipples, Add</i>	1.70	
			<i>For ASTM 120, Deduct</i>	-0.22	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0193	EA		1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	6.97	3.95
			<i>For Schedule 80 Nipples, Add</i>	1.16	
			<i>For ASTM 120, Deduct</i>	-0.15	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0194	EA		3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	7.21	3.95
			<i>For Schedule 80 Nipples, Add</i>	1.44	
			<i>For ASTM 120, Deduct</i>	-0.19	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0195	EA		1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	8.10	4.29
			<i>For Schedule 80 Nipples, Add</i>	1.94	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	1.92	
22 11 16 00-0196	EA		1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	9.03	4.62
			<i>For Schedule 80 Nipples, Add</i>	2.38	
			<i>For ASTM 120, Deduct</i>	-0.31	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0197	EA		1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	9.58	4.62
			<i>For Schedule 80 Nipples, Add</i>	3.01	
			<i>For ASTM 120, Deduct</i>	-0.40	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0198	EA		2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.31	5.95
			<i>For Schedule 80 Nipples, Add</i>	3.83	
			<i>For ASTM 120, Deduct</i>	-0.50	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
22 11 16 00-0199	EA		2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.91	7.41
			<i>For Schedule 80 Nipples, Add</i>	10.05	
			<i>For ASTM 120, Deduct</i>	-1.32	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 11 16 00-0200	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.13	8.95
			<i>For Schedule 80 Nipples, Add</i>	13.35	
			<i>For ASTM 120, Deduct</i>	-1.76	
			<i>For Work In Restricted Working Space, Add</i>	4.03	
22 11 16 00-0201	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	7.44	3.95
			<i>For Schedule 80 Nipples, Add</i>	1.70	
			<i>For ASTM 120, Deduct</i>	-0.22	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0202	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	6.97	3.95
			<i>For Schedule 80 Nipples, Add</i>	1.16	
			<i>For ASTM 120, Deduct</i>	-0.15	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0203	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	7.44	3.95
			<i>For Schedule 80 Nipples, Add</i>	1.70	
			<i>For ASTM 120, Deduct</i>	-0.22	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0204	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple	8.10	4.29
			<i>For Schedule 80 Nipples, Add</i>	1.94	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	1.92	
22 11 16 00-0205	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	9.03	4.62
			<i>For Schedule 80 Nipples, Add</i>	2.38	
			<i>For ASTM 120, Deduct</i>	-0.31	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0206	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	9.58	4.62
			<i>For Schedule 80 Nipples, Add</i>	3.01	
			<i>For ASTM 120, Deduct</i>	-0.40	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0207	EA		2" x 4" Long, Schedule 40 Galvanized Steel Nipple	12.34	5.95
			<i>For Schedule 80 Nipples, Add</i>	3.86	
			<i>For ASTM 120, Deduct</i>	-0.51	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
22 11 16 00-0208	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	19.91	7.41
			<i>For Schedule 80 Nipples, Add</i>	10.05	
			<i>For ASTM 120, Deduct</i>	-1.32	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 11 16 00-0209	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple	25.13	8.95
			<i>For Schedule 80 Nipples, Add</i>	13.35	
			<i>For ASTM 120, Deduct</i>	-1.76	
			<i>For Work In Restricted Working Space, Add</i>	4.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11	16 00-0210	EA	4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	30.62	9.95
			For Schedule 80 Nipples, Add	17.92	
			For ASTM 120, Deduct	-2.36	
			For Work In Restricted Working Space, Add	4.47	
22 11	16 00-0211	EA	3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	8.01	3.95
			For Schedule 80 Nipples, Add	2.35	
			For ASTM 120, Deduct	-0.31	
			For Work In Restricted Working Space, Add	1.79	
22 11	16 00-0212	EA	1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	7.17	3.95
			For Schedule 80 Nipples, Add	1.39	
			For ASTM 120, Deduct	-0.18	
			For Work In Restricted Working Space, Add	1.79	
22 11	16 00-0213	EA	3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	7.45	3.95
			For Schedule 80 Nipples, Add	1.71	
			For ASTM 120, Deduct	-0.23	
			For Work In Restricted Working Space, Add	1.79	
22 11	16 00-0214	EA	1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	8.49	4.29
			For Schedule 80 Nipples, Add	2.38	
			For ASTM 120, Deduct	-0.31	
			For Work In Restricted Working Space, Add	1.92	
22 11	16 00-0215	EA	1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	9.52	4.62
			For Schedule 80 Nipples, Add	2.94	
			For ASTM 120, Deduct	-0.39	
			For Work In Restricted Working Space, Add	2.08	
22 11	16 00-0216	EA	1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	10.13	4.62
			For Schedule 80 Nipples, Add	3.64	
			For ASTM 120, Deduct	-0.48	
			For Work In Restricted Working Space, Add	2.08	
22 11	16 00-0217	EA	2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.24	5.95
			For Schedule 80 Nipples, Add	4.89	
			For ASTM 120, Deduct	-0.64	
			For Work In Restricted Working Space, Add	2.69	
22 11	16 00-0218	EA	2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.93	7.41
			For Schedule 80 Nipples, Add	11.22	
			For ASTM 120, Deduct	-1.48	
			For Work In Restricted Working Space, Add	3.33	
22 11	16 00-0219	EA	3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.07	8.95
			For Schedule 80 Nipples, Add	15.56	
			For ASTM 120, Deduct	-2.05	
			For Work In Restricted Working Space, Add	4.03	
22 11	16 00-0220	EA	4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	32.53	9.95
			For Schedule 80 Nipples, Add	20.10	
			For ASTM 120, Deduct	-2.64	
			For Work In Restricted Working Space, Add	4.47	
22 11	16 00-0221	EA	3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	8.01	3.95
			For Schedule 80 Nipples, Add	2.35	
			For ASTM 120, Deduct	-0.31	
			For Work In Restricted Working Space, Add	1.79	
22 11	16 00-0222	EA	1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	7.17	3.95
			For Schedule 80 Nipples, Add	1.39	
			For ASTM 120, Deduct	-0.18	
			For Work In Restricted Working Space, Add	1.79	
22 11	16 00-0223	EA	3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	7.45	3.95
			For Schedule 80 Nipples, Add	1.71	
			For ASTM 120, Deduct	-0.23	
			For Work In Restricted Working Space, Add	1.79	
22 11	16 00-0224	EA	1" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	8.49	4.29
			For Schedule 80 Nipples, Add	2.38	
			For ASTM 120, Deduct	-0.31	
			For Work In Restricted Working Space, Add	1.92	
22 11	16 00-0225	EA	1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	9.52	4.62
			For Schedule 80 Nipples, Add	2.94	
			For ASTM 120, Deduct	-0.39	
			For Work In Restricted Working Space, Add	2.08	
22 11	16 00-0226	EA	1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	10.13	4.62
			For Schedule 80 Nipples, Add	3.64	
			For ASTM 120, Deduct	-0.48	
			For Work In Restricted Working Space, Add	2.08	
22 11	16 00-0227	EA	2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	13.24	5.95
			For Schedule 80 Nipples, Add	4.89	
			For ASTM 120, Deduct	-0.64	
			For Work In Restricted Working Space, Add	2.69	
22 11	16 00-0228	EA	2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	20.93	7.41
			For Schedule 80 Nipples, Add	11.22	
			For ASTM 120, Deduct	-1.48	
			For Work In Restricted Working Space, Add	3.33	
22 11	16 00-0229	EA	3" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	27.07	8.95
			For Schedule 80 Nipples, Add	15.56	
			For ASTM 120, Deduct	-2.05	
			For Work In Restricted Working Space, Add	4.03	
22 11	16 00-0230	EA	4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	32.53	9.95
			For Schedule 80 Nipples, Add	20.10	
			For ASTM 120, Deduct	-2.64	
			For Work In Restricted Working Space, Add	4.47	
22 11	16 00-0231	EA	3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	8.24	3.95
			For Schedule 80 Nipples, Add	2.61	
			For ASTM 120, Deduct	-0.34	
			For Work In Restricted Working Space, Add	1.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0232	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	7.34	3.95
			<i>For Schedule 80 Nipples, Add</i>	1.58	
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0233	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	7.75	3.95
			<i>For Schedule 80 Nipples, Add</i>	2.05	
			<i>For ASTM 120, Deduct</i>	-0.27	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0234	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple	8.77	4.29
			<i>For Schedule 80 Nipples, Add</i>	2.70	
			<i>For ASTM 120, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	1.92	
22 11 16 00-0235	EA		1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	9.93	4.62
			<i>For Schedule 80 Nipples, Add</i>	3.41	
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0236	EA		1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	10.53	4.62
			<i>For Schedule 80 Nipples, Add</i>	4.09	
			<i>For ASTM 120, Deduct</i>	-0.54	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0237	EA		2" x 6" Long, Schedule 40 Galvanized Steel Nipple	13.93	5.95
			<i>For Schedule 80 Nipples, Add</i>	5.68	
			<i>For ASTM 120, Deduct</i>	-0.75	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
22 11 16 00-0238	EA		2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	21.90	7.41
			<i>For Schedule 80 Nipples, Add</i>	12.32	
			<i>For ASTM 120, Deduct</i>	-1.62	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 11 16 00-0239	EA		3" x 6" Long, Schedule 40 Galvanized Steel Nipple	27.85	8.95
			<i>For Schedule 80 Nipples, Add</i>	16.45	
			<i>For ASTM 120, Deduct</i>	-2.16	
			<i>For Work In Restricted Working Space, Add</i>	4.03	
22 11 16 00-0240	EA		4" x 6" Long, Schedule 40 Galvanized Steel Nipple	34.38	9.95
			<i>For Schedule 80 Nipples, Add</i>	22.21	
			<i>For ASTM 120, Deduct</i>	-2.92	
			<i>For Work In Restricted Working Space, Add</i>	4.47	
22 11 16 00-0241	EA		3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	15.09	3.95
			<i>For Schedule 80 Nipples, Add</i>	10.42	
			<i>For ASTM 120, Deduct</i>	-1.37	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0242	EA		1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	8.39	3.95
			<i>For Schedule 80 Nipples, Add</i>	2.78	
			<i>For ASTM 120, Deduct</i>	-0.37	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0243	EA		3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	9.07	3.95
			<i>For Schedule 80 Nipples, Add</i>	3.56	
			<i>For ASTM 120, Deduct</i>	-0.47	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0244	EA		1" x 8" Long, Schedule 40 Galvanized Steel Nipple	10.36	4.29
			<i>For Schedule 80 Nipples, Add</i>	4.51	
			<i>For ASTM 120, Deduct</i>	-0.59	
			<i>For Work In Restricted Working Space, Add</i>	1.92	
22 11 16 00-0245	EA		1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	11.79	4.62
			<i>For Schedule 80 Nipples, Add</i>	5.53	
			<i>For ASTM 120, Deduct</i>	-0.73	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0246	EA		1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	12.51	4.62
			<i>For Schedule 80 Nipples, Add</i>	6.35	
			<i>For ASTM 120, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0247	EA		2" x 8" Long, Schedule 40 Galvanized Steel Nipple	17.07	5.95
			<i>For Schedule 80 Nipples, Add</i>	9.26	
			<i>For ASTM 120, Deduct</i>	-1.22	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
22 11 16 00-0248	EA		2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	25.00	7.41
			<i>For Schedule 80 Nipples, Add</i>	15.86	
			<i>For ASTM 120, Deduct</i>	-2.09	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 11 16 00-0249	EA		3" x 8" Long, Schedule 40 Galvanized Steel Nipple	32.86	8.95
			<i>For Schedule 80 Nipples, Add</i>	22.16	
			<i>For ASTM 120, Deduct</i>	-2.92	
			<i>For Work In Restricted Working Space, Add</i>	4.03	
22 11 16 00-0250	EA		4" x 8" Long, Schedule 40 Galvanized Steel Nipple	38.15	9.95
			<i>For Schedule 80 Nipples, Add</i>	26.51	
			<i>For ASTM 120, Deduct</i>	-3.49	
			<i>For Work In Restricted Working Space, Add</i>	4.47	
22 11 16 00-0251	EA		3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	10.31	3.95
			<i>For Schedule 80 Nipples, Add</i>	4.97	
			<i>For ASTM 120, Deduct</i>	-0.65	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0252	EA		1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	8.85	3.95
			<i>For Schedule 80 Nipples, Add</i>	3.31	
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0253	EA		3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	9.42	3.95
			<i>For Schedule 80 Nipples, Add</i>	3.96	
			<i>For ASTM 120, Deduct</i>	-0.52	
			<i>For Work In Restricted Working Space, Add</i>	1.79	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0254	EA		1" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	10.92	4.29
			<i>For Schedule 80 Nipples, Add</i>	5.15	
			<i>For ASTM 120, Deduct</i>	-0.68	
			<i>For Work In Restricted Working Space, Add</i>	1.92	
22 11 16 00-0255	EA		1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	12.74	4.62
			<i>For Schedule 80 Nipples, Add</i>	6.61	
			<i>For ASTM 120, Deduct</i>	-0.87	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0256	EA		1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	13.43	4.62
			<i>For Schedule 80 Nipples, Add</i>	7.40	
			<i>For ASTM 120, Deduct</i>	-0.97	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0257	EA		2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	18.45	5.95
			<i>For Schedule 80 Nipples, Add</i>	10.83	
			<i>For ASTM 120, Deduct</i>	-1.43	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
22 11 16 00-0258	EA		2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	26.94	7.41
			<i>For Schedule 80 Nipples, Add</i>	18.07	
			<i>For ASTM 120, Deduct</i>	-2.38	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 11 16 00-0259	EA		3" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	35.60	8.95
			<i>For Schedule 80 Nipples, Add</i>	25.29	
			<i>For ASTM 120, Deduct</i>	-3.33	
			<i>For Work In Restricted Working Space, Add</i>	4.03	
22 11 16 00-0260	EA		4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	41.85	9.95
			<i>For Schedule 80 Nipples, Add</i>	30.72	
			<i>For ASTM 120, Deduct</i>	-4.04	
			<i>For Work In Restricted Working Space, Add</i>	4.47	
22 11 16 00-0261	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	10.78	3.95
			<i>For Schedule 80 Nipples, Add</i>	5.51	
			<i>For ASTM 120, Deduct</i>	-0.72	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0262	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	9.25	3.95
			<i>For Schedule 80 Nipples, Add</i>	3.76	
			<i>For ASTM 120, Deduct</i>	-0.50	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0263	EA		3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	9.84	3.95
			<i>For Schedule 80 Nipples, Add</i>	4.43	
			<i>For ASTM 120, Deduct</i>	-0.58	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 11 16 00-0264	EA		1" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	11.67	4.29
			<i>For Schedule 80 Nipples, Add</i>	6.01	
			<i>For ASTM 120, Deduct</i>	-0.79	
			<i>For Work In Restricted Working Space, Add</i>	1.92	
22 11 16 00-0265	EA		1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	13.91	4.62
			<i>For Schedule 80 Nipples, Add</i>	7.95	
			<i>For ASTM 120, Deduct</i>	-1.05	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0266	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	14.37	4.62
			<i>For Schedule 80 Nipples, Add</i>	8.47	
			<i>For ASTM 120, Deduct</i>	-1.11	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 11 16 00-0267	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	19.85	5.95
			<i>For Schedule 80 Nipples, Add</i>	12.43	
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
22 11 16 00-0268	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	28.83	7.41
			<i>For Schedule 80 Nipples, Add</i>	20.22	
			<i>For ASTM 120, Deduct</i>	-2.66	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 11 16 00-0269	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	38.36	8.95
			<i>For Schedule 80 Nipples, Add</i>	28.43	
			<i>For ASTM 120, Deduct</i>	-3.74	
			<i>For Work In Restricted Working Space, Add</i>	4.03	
22 11 16 00-0270	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	45.58	9.95
			<i>For Schedule 80 Nipples, Add</i>	34.98	
			<i>For ASTM 120, Deduct</i>	-4.60	
			<i>For Work In Restricted Working Space, Add</i>	4.47	
22 11 16 00-0271			Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0272	EA		1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	7.74	2.96
			<i>For 300 LB Rating, Add</i>	11.49	
			<i>For Work In Restricted Working Space, Add</i>	1.33	
22 11 16 00-0273	EA		3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	8.26	3.33
			<i>For 300 LB Rating, Add</i>	11.52	
			<i>For Work In Restricted Working Space, Add</i>	1.49	
22 11 16 00-0274	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	9.16	3.71
			<i>For 300 LB Rating, Add</i>	12.64	
			<i>For Work In Restricted Working Space, Add</i>	1.66	
22 11 16 00-0275	EA		1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	11.84	4.20
			<i>For 300 LB Rating, Add</i>	19.28	
			<i>For Work In Restricted Working Space, Add</i>	1.88	
22 11 16 00-0276	EA		1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	14.57	4.70
			<i>For 300 LB Rating, Add</i>	25.89	
			<i>For Work In Restricted Working Space, Add</i>	2.12	
22 11 16 00-0277	EA		2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	18.52	5.99
			<i>For 300 LB Rating, Add</i>	32.91	
			<i>For Work In Restricted Working Space, Add</i>	2.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0278	EA		2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.88 63.94 3.99	8.87
22 11 16 00-0279	EA		3", 150 LB, Galvanized Malleable Iron Square Head Plug <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.87 90.64 5.26	11.69
22 11 16 00-0280	EA		4", 150 LB, Galvanized Malleable Iron Square Head Plug <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.09 187.02 5.22	11.59
22 11 16 00-0281	EA		5", 150 LB, Galvanized Malleable Iron Square Head Plug <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.50 342.31 5.44	12.11
22 11 16 00-0282	EA		6", 150 LB, Galvanized Malleable Iron Square Head Plug <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.48 370.04 5.69	12.64
22 11 16 00-0283 Galvanized Malleable Iron Bushing (22 11 16 00-0013)					
22 11 16 00-0284	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	16.23 3.53	7.82
22 11 16 00-0285	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	17.83 3.74	8.32
22 11 16 00-0286	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	18.21 3.94	8.78
22 11 16 00-0287	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	20.88 4.02	8.95
22 11 16 00-0288	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	20.87 4.22	9.36
22 11 16 00-0289	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	21.59 4.43	9.86
22 11 16 00-0290	EA		1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	24.30 4.32	9.61
22 11 16 00-0291	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	24.97 4.52	10.03
22 11 16 00-0292	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	24.70 4.73	10.53
22 11 16 00-0293	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	24.94 5.01	11.15
22 11 16 00-0294	EA		2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	29.16 5.04	11.20
22 11 16 00-0295	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	28.96 5.24	11.65
22 11 16 00-0296	EA		2" x 1", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	29.05 5.45	12.11
22 11 16 00-0297	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	29.97 5.73	12.74
22 11 16 00-0298	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	29.64 6.03	13.39
22 11 16 00-0299	EA		2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	40.74 6.86	15.23
22 11 16 00-0300	EA		2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	41.46 7.07	15.72
22 11 16 00-0301	EA		2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	42.38 7.35	16.31
22 11 16 00-0302	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	43.05 7.65	17.02
22 11 16 00-0303	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	43.44 8.37	18.60
22 11 16 00-0304	EA		3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	51.73 8.44	18.72
22 11 16 00-0305	EA		3" x 1", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	52.44 8.65	19.22
22 11 16 00-0306	EA		3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	53.37 8.93	19.85
22 11 16 00-0307	EA		3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	53.90 9.23	20.52
22 11 16 00-0308	EA		3" x 2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	54.13 9.95	22.10
22 11 16 00-0309	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	60.74 11.56	25.71
22 11 16 00-0310	EA		4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	76.78 8.19	18.18
22 11 16 00-0311	EA		4" x 1", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	77.43 8.39	18.63
22 11 16 00-0312	EA		4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	78.25 8.63	19.19
22 11 16 00-0313	EA		4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	79.14 8.90	19.79
22 11 16 00-0314	EA		4" x 2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	75.46 9.54	21.20
22 11 16 00-0315	EA		4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	86.12 10.99	24.44
22 11 16 00-0316	EA		4" x 3", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	87.57 12.41	27.58
22 11 16 00-0317 Galvanized Malleable Iron Floor Flange (22 11 16 00-0013)					
22 11 16 00-0318	EA		1/2", 150 LB, Galvanized Malleable Iron Floor Flange	29.61	15.21



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0319	EA	3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	32.30	16.65
22 11 16 00-0320	EA	1", 150 LB, Galvanized Malleable Iron Floor Flange.....	37.75	18.80
22 11 16 00-0321	EA	1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	39.39	19.47
22 11 16 00-0322	EA	1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	42.88	21.18
22 11 16 00-0323	EA	2", 150 LB, Galvanized Malleable Iron Floor Flange.....	47.65	22.10
22 11 16 00-0324		Galvanized Cast Iron Flanges (22 11 16 00-0013)		
22 11 16 00-0325	EA	3/4", 125 LB, Galvanized Cast Iron Flange.....	82.20	16.65
		<i>For Work In Restricted Working Space, Add</i>	7.49	
22 11 16 00-0326	EA	1", 125 LB, Galvanized Cast Iron Flange.....	72.53	18.80
		<i>For Work In Restricted Working Space, Add</i>	8.46	
22 11 16 00-0327	EA	1-1/4", 125 LB, Galvanized Cast Iron Flange.....	52.63	19.47
		<i>For Work In Restricted Working Space, Add</i>	8.76	
22 11 16 00-0328	EA	1-1/2", 125 LB, Galvanized Cast Iron Flange.....	83.81	21.18
		<i>For Work In Restricted Working Space, Add</i>	9.53	
22 11 16 00-0329	EA	2", 125 LB, Galvanized Cast Iron Flange.....	78.92	22.10
		<i>For Work In Restricted Working Space, Add</i>	9.95	
22 11 16 00-0330	EA	2-1/2", 125 LB, Galvanized Cast Iron Flange.....	91.90	25.59
		<i>For Work In Restricted Working Space, Add</i>	11.51	
22 11 16 00-0331	EA	3", 125 LB, Galvanized Cast Iron Flange.....	193.26	32.46
		<i>For Work In Restricted Working Space, Add</i>	14.60	
22 11 16 00-0332	EA	4", 125 LB, Galvanized Cast Iron Flange.....	148.24	39.76
		<i>For Work In Restricted Working Space, Add</i>	17.88	
22 11 16 00-0333	EA	5", 125 LB, Galvanized Cast Iron Flange.....	210.11	47.33
		<i>For Work In Restricted Working Space, Add</i>	21.29	
22 11 16 00-0334	EA	6", 125 LB, Galvanized Cast Iron Flange.....	230.25	54.37
		<i>For Work In Restricted Working Space, Add</i>	24.46	
22 11 16 00-0335		Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013)		
		Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0336	EA	1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	13.55	
		<i>For Work In Restricted Working Space, Add</i>	4.07	
22 11 16 00-0337	EA	3/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	14.91	
		<i>For Work In Restricted Working Space, Add</i>	4.47	
22 11 16 00-0338	EA	1", Cut And Thread Existing In Place Galvanized Steel Pipe.....	16.27	
		<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0339	EA	1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	17.62	
		<i>For Work In Restricted Working Space, Add</i>	5.29	
22 11 16 00-0340	EA	1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	18.52	
		<i>For Work In Restricted Working Space, Add</i>	5.56	
22 11 16 00-0341	EA	2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	19.43	
		<i>For Work In Restricted Working Space, Add</i>	5.83	
22 11 16 00-0342	EA	2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	20.34	
		<i>For Work In Restricted Working Space, Add</i>	6.10	
22 11 16 00-0343	EA	3", Cut And Thread Existing In Place Galvanized Steel Pipe.....	21.24	
		<i>For Work In Restricted Working Space, Add</i>	6.37	
22 11 16 00-0344	EA	4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	22.14	
		<i>For Work In Restricted Working Space, Add</i>	6.64	
22 11 16 00-0345		Copper Pipe And Fittings (22 11 16)		
		Note: Excludes hangers. See CSI section 22 11 16 00-0710 for pipe with fittings assembly.		
22 11 16 00-0346		Copper Tube/Pipe (22 11 16 00-0345)		
		Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0347		Hard Drawn Type L Copper Tube/Pipe (22 11 16 00-0346)		
22 11 16 00-0348	LF	1/4" Hard Drawn Type L Copper Tube/Pipe.....	2.36	1.01
		<i>For Medical/Oxygen Service Tubing, Add</i>	0.07	
		<i>For Work In Restricted Working Space, Add</i>	0.46	
22 11 16 00-0349	LF	3/8" Hard Drawn Type L Copper Tube/Pipe.....	2.82	1.05
		<i>For Medical/Oxygen Service Tubing, Add</i>	0.10	
		<i>For Work In Restricted Working Space, Add</i>	0.48	
22 11 16 00-0350	LF	1/2" Hard Drawn Type L Copper Tube/Pipe.....	3.12	1.10
		<i>For Medical/Oxygen Service Tubing, Add</i>	0.12	
		<i>For Work In Restricted Working Space, Add</i>	0.50	
22 11 16 00-0351	LF	3/4" Hard Drawn Type L Copper Tube/Pipe.....	4.13	1.17
		<i>For Medical/Oxygen Service Tubing, Add</i>	0.19	
		<i>For Work In Restricted Working Space, Add</i>	0.53	
22 11 16 00-0352	LF	1" Hard Drawn Type L Copper Tube/Pipe.....	5.42	1.32
		<i>For Medical/Oxygen Service Tubing, Add</i>	0.28	
		<i>For Work In Restricted Working Space, Add</i>	0.59	
22 11 16 00-0353	LF	1-1/4" Hard Drawn Type L Copper Tube/Pipe.....	7.68	1.95
		<i>For Medical/Oxygen Service Tubing, Add</i>	0.38	
		<i>For Work In Restricted Working Space, Add</i>	0.88	
22 11 16 00-0354	LF	1-1/2" Hard Drawn Type L Copper Tube/Pipe.....	9.38	2.19
		<i>For Medical/Oxygen Service Tubing, Add</i>	0.49	
		<i>For Work In Restricted Working Space, Add</i>	0.98	
22 11 16 00-0355	LF	2" Hard Drawn Type L Copper Tube/Pipe.....	13.71	2.69
		<i>For Medical/Oxygen Service Tubing, Add</i>	0.77	
		<i>For Work In Restricted Working Space, Add</i>	1.21	
22 11 16 00-0356	LF	2-1/2" Hard Drawn Type L Copper Tube/Pipe.....	24.06	3.36
		<i>For Medical/Oxygen Service Tubing, Add</i>	1.12	
		<i>For Work In Restricted Working Space, Add</i>	3.03	
22 11 16 00-0357	LF	3" Hard Drawn Type L Copper Tube/Pipe.....	29.82	3.73
		<i>For Medical/Oxygen Service Tubing, Add</i>	1.49	
		<i>For Work In Restricted Working Space, Add</i>	3.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0358 LF 4" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.83 2.66 3.79	4.21
22 11 16 00-0359 LF 5" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.15 4.69 4.35	4.83
22 11 16 00-0360 LF 6" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.63 6.17 6.74	7.50
22 11 16 00-0361 LF 8" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.40 11.63 7.49	8.33
22 11 16 00-0362 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0346)		
22 11 16 00-0363 LF 1/4" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	2.59 0.08 0.49	1.09
22 11 16 00-0364 LF 3/8" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	3.57 0.14 0.56	1.25
22 11 16 00-0365 LF 1/2" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	3.81 0.16 0.55	1.21
22 11 16 00-0366 LF 3/4" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	5.71 0.29 0.64	1.41
22 11 16 00-0367 LF 1" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.03 0.38 0.68	1.50
22 11 16 00-0368 LF 1-1/4" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.13 0.48 0.96	2.13
22 11 16 00-0369 LF 1-1/2" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.20 0.61 1.07	2.39
22 11 16 00-0370 LF 2" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.10 0.94 1.32	2.93
22 11 16 00-0371 LF 2-1/2" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.45 1.40 3.30	7.35
22 11 16 00-0372 LF 3" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.16 1.91 3.69	8.22
22 11 16 00-0373 LF 4" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.45 3.40 4.19	9.30
22 11 16 00-0374 LF 5" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.35 6.23 4.94	10.98
22 11 16 00-0375 LF 6" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.29 8.94 7.96	17.71
22 11 16 00-0376 LF 8" Hard Drawn Type K Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Work In Restricted Working Space, Add</i>	238.51 16.74 8.78	19.51
22 11 16 00-0377 Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0346)		
22 11 16 00-0378 LF 3/8" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	2.23 0.38	0.84
22 11 16 00-0379 LF 1/2" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	2.39 0.39	0.87
22 11 16 00-0380 LF 3/4" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	3.14 0.42	0.93
22 11 16 00-0381 LF 1" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	4.24 0.47	1.03
22 11 16 00-0382 LF 1-1/4" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	6.31 0.72	1.59
22 11 16 00-0383 LF 1-1/2" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	8.16 0.83	1.83
22 11 16 00-0384 LF 2" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	11.91 1.02	2.27
22 11 16 00-0385 LF 2-1/2" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	21.52 2.75	6.12
22 11 16 00-0386 LF 3" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	26.51 3.03	6.74
22 11 16 00-0387 LF 4" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	42.52 3.53	7.86
22 11 16 00-0388 LF 5" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	73.28 4.08	9.07
22 11 16 00-0389 LF 6" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	100.79 6.32	14.04
22 11 16 00-0390 LF 8" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	174.26 6.95	15.45

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0391 Soft Drawn Type L Copper Tube (22 11 16 00-0346)			
22 11 16 00-0392	LF	1/4" Soft Drawn Type L Copper Tube	2.60
		<i>For Work In Restricted Working Space, Add</i>	0.46
22 11 16 00-0393	LF	3/8" Soft Drawn Type L Copper Tube	3.27
		<i>For Work In Restricted Working Space, Add</i>	0.48
22 11 16 00-0394	LF	1/2" Soft Drawn Type L Copper Tube	3.91
		<i>For Work In Restricted Working Space, Add</i>	0.50
22 11 16 00-0395	LF	3/4" Soft Drawn Type L Copper Tube	5.21
		<i>For Work In Restricted Working Space, Add</i>	0.53
22 11 16 00-0396	LF	1" Soft Drawn Type L Copper Tube	6.76
		<i>For Work In Restricted Working Space, Add</i>	0.59
22 11 16 00-0397	LF	1-1/4" Soft Drawn Type L Copper Tube	9.24
		<i>For Work In Restricted Working Space, Add</i>	0.88
22 11 16 00-0398	LF	1-1/2" Soft Drawn Type L Copper Tube	11.82
		<i>For Work In Restricted Working Space, Add</i>	0.98
22 11 16 00-0399	LF	2" Soft Drawn Type L Copper Tube	17.64
		<i>For Work In Restricted Working Space, Add</i>	1.21
22 11 16 00-0400 Soft Drawn Type K Copper Tube (22 11 16 00-0346)			
22 11 16 00-0401	LF	1/4" Soft Drawn Type K Copper Tube	2.71
		<i>For Work In Restricted Working Space, Add</i>	0.46
22 11 16 00-0402	LF	3/8" Soft Drawn Type K Copper Tube	3.63
		<i>For Work In Restricted Working Space, Add</i>	0.48
22 11 16 00-0403	LF	1/2" Soft Drawn Type K Copper Tube	4.20
		<i>For Work In Restricted Working Space, Add</i>	0.50
22 11 16 00-0404	LF	5/8" Soft Drawn Type K Copper Tube	4.74
		<i>For Work In Restricted Working Space, Add</i>	0.51
22 11 16 00-0405	LF	3/4" Soft Drawn Type K Copper Tube	6.47
		<i>For Work In Restricted Working Space, Add</i>	0.53
22 11 16 00-0406	LF	1" Soft Drawn Type K Copper Tube	8.24
		<i>For Work In Restricted Working Space, Add</i>	0.59
22 11 16 00-0407	LF	1-1/4" Soft Drawn Type K Copper Tube	10.32
		<i>For Work In Restricted Working Space, Add</i>	0.88
22 11 16 00-0408	LF	1-1/2" Soft Drawn Type K Copper Tube	13.53
		<i>For Work In Restricted Working Space, Add</i>	0.98
22 11 16 00-0409	LF	2" Soft Drawn Type K Copper Tube	20.00
		<i>For Work In Restricted Working Space, Add</i>	1.21
22 11 16 00-0410	LF	2-1/2" Soft Drawn Type K Copper Tube	28.77
		<i>For Work In Restricted Working Space, Add</i>	1.45
22 11 16 00-0411	LF	3" Soft Drawn Type K Copper Tube	39.00
		<i>For Work In Restricted Working Space, Add</i>	1.71
22 11 16 00-0412 Copper And Brass Fittings (22 11 16 00-0345)			
Note: All fittings are based on 95/5 solder.			
22 11 16 00-0413 90 Degree Copper Elbows (22 11 16 00-0412)			
22 11 16 00-0414	EA	1/4" 90 Degree Copper Elbow	10.22
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.42
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.96
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.36
		<i>For Street Fitting, Add</i>	0.47
		<i>For Work In Restricted Working Space, Add</i>	2.71
22 11 16 00-0415	EA	3/8" 90 Degree Copper Elbow	12.09
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.69
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.15
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.63
		<i>For Street Fitting, Add</i>	0.50
		<i>For Work In Restricted Working Space, Add</i>	3.25
22 11 16 00-0416	EA	1/2" 90 Degree Copper Elbow	15.31
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.26
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.51
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.24
		<i>For Street Fitting, Add</i>	0.16
		<i>For Work In Restricted Working Space, Add</i>	4.47
22 11 16 00-0417	EA	3/4" 90 Degree Copper Elbow	19.43
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.82
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.90
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.78
		<i>For Street Fitting, Add</i>	0.36
		<i>For Work In Restricted Working Space, Add</i>	5.56
22 11 16 00-0418	EA	1" 90 Degree Copper Elbow	24.36
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.43
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.33
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.32
		<i>For Street Fitting, Add</i>	0.89
		<i>For Work In Restricted Working Space, Add</i>	6.64
22 11 16 00-0419	EA	1-1/4" 90 Degree Copper Elbow	27.28
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.76
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.56
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.59
		<i>For Street Fitting, Add</i>	1.33
		<i>For Work In Restricted Working Space, Add</i>	7.19



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0420	EA	1-1/2"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.41 4.19 -2.88 3.93 2.08 7.86	17.48
22 11 16 00-0421	EA	2"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.85 4.88 -3.41 4.41 3.79 8.81	19.61
22 11 16 00-0422	EA	2-1/2"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.55 5.42 -3.93 4.49 8.99	19.97
22 11 16 00-0423	EA	3"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.00 6.68 -4.89 5.37 10.73	23.88
22 11 16 00-0424	EA	4"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.39 10.80 -8.26 7.62 15.23	33.87
22 11 16 00-0425	EA	5"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	336.01 23.75 -20.28 10.42 20.85	46.35
22 11 16 00-0426	EA	6"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	456.40 32.93 -27.88 15.17 30.33	67.46
22 11 16 00-0427	EA	8"	90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,449.20 85.94 -79.20 20.22 40.45	89.92
22 11 16 00-0428			90 Degree Brass Elbows (22 11 16 00-0412)		
22 11 16 00-0429	EA	1/2"	Drop Ear 90 Degree Brass Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.45 2.36 -1.62 2.24 4.47	9.94
22 11 16 00-0430	EA	3/4"	Drop Ear 90 Degree Brass Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.92 3.15 -2.22 2.78 5.56	12.38
22 11 16 00-0431	EA	1/2"	Flanged Sink 90 Degree Brass Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.54 2.47 -1.72 2.24 4.47	9.94
22 11 16 00-0432	EA	3/8"	Drop Ear 90 Degree Brass Elbow, Solder X Threaded..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.64 1.82 -1.27 1.63 3.25	7.23
22 11 16 00-0433	EA	1/2"	Drop Ear 90 Degree Brass Elbow, Solder X Threaded..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.63 2.37 -1.63 2.24 4.47	9.94
22 11 16 00-0434	EA	3/4"	Drop Ear 90 Degree Brass Elbow, Solder X Threaded..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.31 3.02 -2.09 2.78 5.56	12.38
22 11 16 00-0435	EA	1"	Drop Ear 90 Degree Brass Elbow, Solder X Threaded..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.42 4.09 -2.98 3.32 6.64	14.78
22 11 16 00-0436			Reducing 90 Degree Copper Elbows (22 11 16 00-0412)		
22 11 16 00-0437	EA	1/2"	Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.19 2.40 -1.66 2.24 4.47	9.94



MINOR	DESCRIPTION
CSI UOM	DESCRIPTION

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

22 11 16 00-0438	EA 3/4" Reducing 90 Degree Copper Elbow	20.85	12.38
	For Silver Solder Instead Of 95/5 Solder, Add	2.89	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.97	
	For Brazed Fittings Instead Of 95/5 Solder, Add	2.78	
	For Work In Restricted Working Space, Add	5.56	
22 11 16 00-0439	EA 1" Reducing 90 Degree Copper Elbow	26.41	14.78
	For Silver Solder Instead Of 95/5 Solder, Add	3.53	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.43	
	For Brazed Fittings Instead Of 95/5 Solder, Add	3.32	
	For Work In Restricted Working Space, Add	6.64	
22 11 16 00-0440	EA 1-1/4" Reducing 90 Degree Copper Elbow	34.82	15.99
	For Silver Solder Instead Of 95/5 Solder, Add	4.14	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.94	
	For Brazed Fittings Instead Of 95/5 Solder, Add	3.59	
	For Work In Restricted Working Space, Add	7.19	
22 11 16 00-0441	EA 1-1/2" Reducing 90 Degree Copper Elbow	40.50	17.48
	For Silver Solder Instead Of 95/5 Solder, Add	4.65	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.34	
	For Brazed Fittings Instead Of 95/5 Solder, Add	3.93	
	For Work In Restricted Working Space, Add	7.86	
22 11 16 00-0442	EA 2" Reducing 90 Degree Copper Elbow	48.60	19.61
	For Silver Solder Instead Of 95/5 Solder, Add	5.37	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.90	
	For Brazed Fittings Instead Of 95/5 Solder, Add	4.41	
	For Work In Restricted Working Space, Add	8.81	
22 11 16 00-0443	45 Degree Copper Elbows (22 11 16 00-0412)		
22 11 16 00-0444	EA 1/4" 45 Degree Copper Elbow	11.24	6.02
	For Silver Solder Instead Of 95/5 Solder, Add	1.47	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.01	
	For Brazed Fittings Instead Of 95/5 Solder, Add	1.36	
	For Street Fitting, Add	0.88	
	For Work In Restricted Working Space, Add	2.71	
22 11 16 00-0445	EA 3/8" 45 Degree Copper Elbow	12.73	7.23
	For Silver Solder Instead Of 95/5 Solder, Add	1.72	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.18	
	For Brazed Fittings Instead Of 95/5 Solder, Add	1.63	
	For Street Fitting, Add	0.76	
	For Work In Restricted Working Space, Add	3.25	
22 11 16 00-0446	EA 1/2" 45 Degree Copper Elbow	15.65	9.94
	For Silver Solder Instead Of 95/5 Solder, Add	2.27	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.53	
	For Brazed Fittings Instead Of 95/5 Solder, Add	2.24	
	For Street Fitting, Add	0.30	
	For Work In Restricted Working Space, Add	4.47	
22 11 16 00-0447	EA 3/4" 45 Degree Copper Elbow	19.79	12.38
	For Silver Solder Instead Of 95/5 Solder, Add	2.84	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.92	
	For Brazed Fittings Instead Of 95/5 Solder, Add	2.78	
	For Street Fitting, Add	0.51	
	For Work In Restricted Working Space, Add	5.56	
22 11 16 00-0448	EA 1" 45 Degree Copper Elbow	25.31	14.78
	For Silver Solder Instead Of 95/5 Solder, Add	3.48	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.37	
	For Brazed Fittings Instead Of 95/5 Solder, Add	3.32	
	For Street Fitting, Add	1.27	
	For Work In Restricted Working Space, Add	6.64	
22 11 16 00-0449	EA 1-1/4" 45 Degree Copper Elbow	28.24	15.99
	For Silver Solder Instead Of 95/5 Solder, Add	3.81	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.61	
	For Brazed Fittings Instead Of 95/5 Solder, Add	3.59	
	For Street Fitting, Add	1.72	
	For Work In Restricted Working Space, Add	7.19	
22 11 16 00-0450	EA 1-1/2" 45 Degree Copper Elbow	31.48	17.48
	For Silver Solder Instead Of 95/5 Solder, Add	4.20	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.88	
	For Brazed Fittings Instead Of 95/5 Solder, Add	3.93	
	For Street Fitting, Add	2.11	
	For Work In Restricted Working Space, Add	7.86	
22 11 16 00-0451	EA 2" 45 Degree Copper Elbow	38.15	19.61
	For Silver Solder Instead Of 95/5 Solder, Add	4.84	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.38	
	For Brazed Fittings Instead Of 95/5 Solder, Add	4.41	
	For Work In Restricted Working Space, Add	8.81	
22 11 16 00-0452	EA 2-1/2" 45 Degree Copper Elbow	48.33	19.97
	For Silver Solder Instead Of 95/5 Solder, Add	5.41	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.91	
	For Brazed Fittings Instead Of 95/5 Solder, Add	4.49	
	For Work In Restricted Working Space, Add	8.99	
22 11 16 00-0453	EA 3" 45 Degree Copper Elbow	63.03	23.88
	For Silver Solder Instead Of 95/5 Solder, Add	6.73	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.94	
	For Brazed Fittings Instead Of 95/5 Solder, Add	5.37	
	For Work In Restricted Working Space, Add	10.73	
22 11 16 00-0454	EA 4" 45 Degree Copper Elbow	108.88	33.87
	For Silver Solder Instead Of 95/5 Solder, Add	10.52	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.98	
	For Brazed Fittings Instead Of 95/5 Solder, Add	7.62	
	For Work In Restricted Working Space, Add	15.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0455	EA	5"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	294.55 21.68 -18.20 10.42 20.85	46.35
22 11 16 00-0456	EA	6"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	455.79 32.90 -27.85 15.17 30.33	67.46
22 11 16 00-0457	EA	8"	45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,340.00 80.48 -73.74 20.22 40.45	89.92
22 11 16 00-0458			Straight Copper And Brass Tees (22 11 16 00-0412)		
22 11 16 00-0459	EA	1/4"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.02 2.16 -1.48 2.03 4.07	9.04
22 11 16 00-0460	EA	3/8"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.26 2.54 -1.73 2.44 4.88	10.84
22 11 16 00-0461	EA	1/2"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.29 3.42 -2.29 3.39 6.78	15.09
22 11 16 00-0462	EA	3/4"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.67 4.28 -2.88 4.20 8.40	18.71
22 11 16 00-0463	EA	1"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.44 5.27 -3.59 5.02 10.03	22.32
22 11 16 00-0464	EA	1-1/4"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.12 5.77 -3.96 5.42 10.85	24.12
22 11 16 00-0465	EA	1-1/2"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.85 6.42 -4.46 5.90 11.79	26.21
22 11 16 00-0466	EA	2"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.03 7.48 -5.27 6.64 13.28	29.55
22 11 16 00-0467	EA	2-1/2"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.08 8.40 -6.15 6.74 13.48	29.96
22 11 16 00-0468	EA	3"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.72 10.65 -7.94 8.11 16.23	36.08
22 11 16 00-0469	EA	4"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.27 17.49 -13.70 11.36 22.72	50.52
22 11 16 00-0470	EA	5"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	504.20 35.57 -30.39 15.54 31.09	69.12
22 11 16 00-0471	EA	6"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	699.47 50.16 -42.57 22.78 45.56	101.33
22 11 16 00-0472	EA	8"	Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,314.54 135.95 -125.84 30.33 60.67	134.90

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0473	EA	1/2"	Cast Bronze Drop Ear Tee	26.87	15.09
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.60	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.47	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.39	
			<i>For Work In Restricted Working Space, Add</i>	6.78	
22 11 16 00-0474			Reducing Copper Tees (22 11 16 00-0412)		
22 11 16 00-0475	EA	3/8"	Reducing Copper Tee.....	18.39	9.63
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.37	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.64	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.17	
			<i>For Work In Restricted Working Space, Add</i>	4.34	
22 11 16 00-0476	EA	1/2"	Reducing Copper Tee.....	23.79	13.55
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.22	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.05	
			<i>For Work In Restricted Working Space, Add</i>	6.10	
22 11 16 00-0477	EA	3/4"	Reducing Copper Tee.....	27.97	17.48
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.02	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.71	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.93	
			<i>For Work In Restricted Working Space, Add</i>	7.86	
22 11 16 00-0478	EA	1"	Reducing Copper Tee.....	37.23	21.10
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.02	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.44	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.74	
			<i>For Work In Restricted Working Space, Add</i>	9.49	
22 11 16 00-0479	EA	1-1/4"	Reducing Copper Tee	42.84	22.91
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.58	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.86	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.15	
			<i>For Work In Restricted Working Space, Add</i>	10.30	
22 11 16 00-0480	EA	1-1/2"	Reducing Copper Tee	49.53	25.03
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.23	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.35	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.63	
			<i>For Work In Restricted Working Space, Add</i>	11.25	
22 11 16 00-0481	EA	2"	Reducing Copper Tee.....	59.40	28.01
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.17	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.07	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.30	
			<i>For Work In Restricted Working Space, Add</i>	12.61	
22 11 16 00-0482	EA	2-1/2"	Reducing Copper Tee	79.57	28.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.31	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.14	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.49	
			<i>For Work In Restricted Working Space, Add</i>	12.98	
22 11 16 00-0483	EA	3"	Reducing Copper Tee.....	109.55	33.29
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.47	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.97	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.49	
			<i>For Work In Restricted Working Space, Add</i>	14.98	
22 11 16 00-0484	EA	4"	Reducing Copper Tee.....	187.09	41.07
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.51	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.43	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
22 11 16 00-0485			Copper Couplings (22 11 16 00-0412)		
22 11 16 00-0486	EA	1/4"	Copper Coupling.....	9.28	6.02
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.37	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.92	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.36	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
22 11 16 00-0487	EA	3/8"	Copper Coupling.....	11.15	7.23
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.64	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.10	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.63	
			<i>For Work In Restricted Working Space, Add</i>	3.25	
22 11 16 00-0488	EA	1/2"	Copper Coupling.....	15.17	9.94
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.25	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.50	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.24	
			<i>For Work In Restricted Working Space, Add</i>	4.47	
22 11 16 00-0489	EA	3/4"	Copper Coupling.....	19.05	12.38
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.80	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.88	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	5.56	
22 11 16 00-0490	EA	1"	Copper Coupling.....	23.18	14.78
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.37	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.27	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.32	
			<i>For Work In Restricted Working Space, Add</i>	6.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0491	EA	1-1/4"	Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.79 3.68 -2.49 3.59 7.19	15.99
22 11 16 00-0492	EA	1-1/2"	Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.65 4.05 -2.74 3.93 7.86	17.48
22 11 16 00-0493	EA	2"	Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.43 4.61 -3.14 4.41 8.81	19.43
22 11 16 00-0494	EA	2-1/2"	Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.64 4.66 -3.25 4.25 8.49	18.90
22 11 16 00-0495	EA	3"	Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.47 5.69 -3.98 5.12 10.24	22.89
22 11 16 00-0496	EA	4"	Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.77 8.12 -5.83 6.87 13.73	30.79
22 11 16 00-0497	EA	5"	Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.51 11.97 -8.85 9.36 18.73	56.18
22 11 16 00-0498	EA	6"	Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.64 18.04 -13.46 13.73 27.47	61.04
22 11 16 00-0499	EA	8"	Copper Coupling..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	400.56 32.18 -26.10 18.23 36.45	80.93
22 11 16 00-0500			Reducing Copper Couplings (22 11 16 00-0412)		
22 11 16 00-0501	EA	3/8"	Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.56 1.38 -0.93 1.36 2.71	6.01
22 11 16 00-0502	EA	1/2"	Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.42 1.96 -1.32 1.93 3.86	8.58
22 11 16 00-0503	EA	3/4"	Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.64 2.55 -1.72 2.51 5.01	11.16
22 11 16 00-0504	EA	1"	Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.02 3.13 -2.12 3.05 6.10	13.55
22 11 16 00-0505	EA	1-1/4"	Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.39 3.57 -2.42 3.46 6.91	15.37
22 11 16 00-0506	EA	1-1/2"	Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.96 3.96 -2.70 3.76 7.52	16.71
22 11 16 00-0507	EA	2"	Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.80 4.47 -3.08 4.17 8.34	18.52
22 11 16 00-0508	EA	2-1/2"	Reducing Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.87 4.89 -3.47 4.28 8.55	19.02

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0509 EA 3" Reducing Copper Coupling.....	48.17	22.06
For Silver Solder Instead Of 95/5 Solder, Add	5.70	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.05	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.93	
For Work In Restricted Working Space, Add	9.86	
22 11 16 00-0510 EA 4" Reducing Copper Coupling.....	73.62	28.88
For Silver Solder Instead Of 95/5 Solder, Add	8.01	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.84	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.49	
For Work In Restricted Working Space, Add	12.98	
22 11 16 00-0511 EA 5" Reducing Copper Coupling.....	179.03	40.24
For Silver Solder Instead Of 95/5 Solder, Add	14.98	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.97	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.05	
For Work In Restricted Working Space, Add	18.10	
22 11 16 00-0512 EA 6" Reducing Copper Coupling.....	264.95	54.09
For Silver Solder Instead Of 95/5 Solder, Add	21.36	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.30	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.17	
For Work In Restricted Working Space, Add	24.34	
22 11 16 00-0513 EA 8" Reducing Copper Coupling.....	507.83	78.82
For Silver Solder Instead Of 95/5 Solder, Add	37.21	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-31.30	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.73	
For Work In Restricted Working Space, Add	35.45	
22 11 16 00-0514 Male Copper Adapters (22 11 16 00-0412)		
22 11 16 00-0515 EA 1/4" Male Copper Adapter.....	13.21	5.87
For Silver Solder Instead Of 95/5 Solder, Add	1.56	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.11	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.36	
For Work In Restricted Working Space, Add	2.71	
22 11 16 00-0516 EA 3/8" Male Copper Adapter.....	12.92	7.23
For Silver Solder Instead Of 95/5 Solder, Add	1.73	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.19	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.63	
For Work In Restricted Working Space, Add	3.25	
22 11 16 00-0517 EA 1/2" Male Copper Adapter.....	14.39	9.04
For Silver Solder Instead Of 95/5 Solder, Add	2.07	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.40	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.03	
For Work In Restricted Working Space, Add	4.07	
22 11 16 00-0518 EA 3/4" Male Copper Adapter.....	18.14	11.30
For Silver Solder Instead Of 95/5 Solder, Add	2.58	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.74	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.51	
For Work In Restricted Working Space, Add	5.01	
22 11 16 00-0519 EA 1" Male Copper Adapter.....	23.06	13.10
For Silver Solder Instead Of 95/5 Solder, Add	3.10	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.12	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.91	
For Work In Restricted Working Space, Add	5.83	
22 11 16 00-0520 EA 1-1/4" Male Copper Adapter.....	27.87	14.91
For Silver Solder Instead Of 95/5 Solder, Add	3.65	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.52	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.39	
For Work In Restricted Working Space, Add	6.78	
22 11 16 00-0521 EA 1-1/2" Male Copper Adapter.....	31.93	17.17
For Silver Solder Instead Of 95/5 Solder, Add	4.17	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.88	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.86	
For Work In Restricted Working Space, Add	7.73	
22 11 16 00-0522 EA 2" Male Copper Adapter.....	43.44	21.92
For Silver Solder Instead Of 95/5 Solder, Add	5.47	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.82	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.95	
For Work In Restricted Working Space, Add	9.89	
22 11 16 00-0523 EA 2-1/2" Male Copper Adapter.....	75.74	28.47
For Silver Solder Instead Of 95/5 Solder, Add	8.04	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.91	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.37	
For Work In Restricted Working Space, Add	12.74	
22 11 16 00-0524 EA 3" Male Copper Adapter.....	100.63	37.97
For Silver Solder Instead Of 95/5 Solder, Add	10.69	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.49	
For Work In Restricted Working Space, Add	16.98	
22 11 16 00-0525 EA 4" Male Copper Adapter.....	150.33	53.26
For Silver Solder Instead Of 95/5 Solder, Add	15.51	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.51	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.99	
For Work In Restricted Working Space, Add	23.97	

22 11 16 00-0526 Female Copper Adapters (22 11 16 00-0412)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0527	EA	1/4"	Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.70 1.49 -1.04 1.36 2.71	5.87
22 11 16 00-0528	EA	3/8"	Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.63 1.77 -1.22 1.63 3.25	7.23
22 11 16 00-0529	EA	1/2"	Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.90 2.10 -1.42 2.03 4.07	9.04
22 11 16 00-0530	EA	3/4"	Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.55 2.60 -1.76 2.51 5.01	11.30
22 11 16 00-0531	EA	1"	Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.64 3.13 -2.15 2.91 5.83	13.10
22 11 16 00-0532	EA	1-1/4"	Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.77 3.70 -2.57 3.39 6.78	14.91
22 11 16 00-0533	EA	1-1/2"	Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.42 4.35 -3.06 3.86 7.73	17.17
22 11 16 00-0534	EA	2"	Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.10 5.60 -3.95 4.95 9.89	21.92
22 11 16 00-0535	EA	2-1/2"	Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.06 8.22 -6.26 5.87 11.74	26.21
22 11 16 00-0536	EA	3"	Female Copper Adapter <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.65 12.44 -9.61 8.49 16.98	37.97
22 11 16 00-0537			Wrot Copper, Solder Union (22 11 16 00-0412)		
22 11 16 00-0538	EA	1/4"	Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.75 1.92 -1.38 1.63 3.25	7.23
22 11 16 00-0539	EA	3/8"	Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.19 2.27 -1.61 1.97 3.93	8.72
22 11 16 00-0540	EA	1/2"	Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.03 2.63 -1.82 2.44 4.88	10.84
22 11 16 00-0541	EA	3/4"	Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.15 3.01 -2.08 2.78 5.56	12.38
22 11 16 00-0542	EA	1"	Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.09 3.72 -2.61 3.32 6.64	14.78
22 11 16 00-0543	EA	1-1/4"	Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.92 4.24 -3.02 3.66 7.32	16.27
22 11 16 00-0544	EA	1-1/2"	Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.35 4.88 -3.52 4.07 8.13	18.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0545	EA		2" Wrot Copper, Solder Union.....	60.21	21.68
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.26	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.64	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	9.76	
22 11 16 00-0546	EA		2-1/2" Wrot Copper, Solder Union.....	111.27	23.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.14	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.35	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.37	
			<i>For Work In Restricted Working Space, Add</i>	10.73	
22 11 16 00-0547	EA		3" Wrot Copper, Solder Union.....	246.12	33.87
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.38	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-14.84	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.62	
			<i>For Work In Restricted Working Space, Add</i>	15.23	
22 11 16 00-0548			Cast Bronze, Solder Union (22 11 16 00-0412)		
22 11 16 00-0549	EA		1/4" Cast Bronze, Solder Union.....	18.93	7.23
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.03	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.49	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.63	
			<i>For Work In Restricted Working Space, Add</i>	3.25	
22 11 16 00-0550	EA		3/8" Cast Bronze, Solder Union.....	21.25	8.72
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.37	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.72	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.97	
			<i>For Work In Restricted Working Space, Add</i>	3.93	
22 11 16 00-0551	EA		1/2" Cast Bronze, Solder Union.....	20.61	10.84
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.66	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.84	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.44	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0552	EA		3/4" Cast Bronze, Solder Union.....	23.96	12.38
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.05	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.12	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	5.56	
22 11 16 00-0553	EA		1" Cast Bronze, Solder Union.....	31.50	14.78
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.79	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.68	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.32	
			<i>For Work In Restricted Working Space, Add</i>	6.64	
22 11 16 00-0554	EA		1-1/4" Cast Bronze, Solder Union.....	39.76	16.27
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.43	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.32	
22 11 16 00-0555	EA		1-1/2" Cast Bronze, Solder Union.....	47.36	18.07
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.08	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.72	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.07	
			<i>For Work In Restricted Working Space, Add</i>	8.13	
22 11 16 00-0556	EA		2" Cast Bronze, Solder Union.....	67.03	21.68
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.60	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	9.76	
22 11 16 00-0557	EA		2-1/2" Cast Bronze, Solder Union.....	111.27	23.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.14	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.35	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.37	
			<i>For Work In Restricted Working Space, Add</i>	10.73	
22 11 16 00-0558	EA		3" Cast Bronze, Solder Union.....	246.12	33.87
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.38	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-14.84	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.62	
			<i>For Work In Restricted Working Space, Add</i>	15.23	
22 11 16 00-0559			Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0412)		
22 11 16 00-0560	EA		1/4" Cast Bronze, Solder X Female Threaded Union.....	21.87	7.23
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.18	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.64	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.63	
			<i>For Work In Restricted Working Space, Add</i>	3.25	
22 11 16 00-0561	EA		3/8" Cast Bronze, Solder X Female Threaded Union.....	24.51	8.72
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.54	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.88	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.97	
			<i>For Work In Restricted Working Space, Add</i>	3.93	
22 11 16 00-0562	EA		1/2" Cast Bronze, Solder X Female Threaded Union.....	25.34	10.84
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.89	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.08	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.44	
			<i>For Work In Restricted Working Space, Add</i>	4.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0563 EA 3/4" Cast Bronze, Solder X Female Threaded Union.....	30.88	12.38
For Silver Solder Instead Of 95/5 Solder, Add	3.40	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.47	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.78	
For Work In Restricted Working Space, Add	5.56	
22 11 16 00-0564 EA 1" Cast Bronze, Solder X Female Threaded Union	47.85	14.78
For Silver Solder Instead Of 95/5 Solder, Add	4.61	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.50	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.32	
For Work In Restricted Working Space, Add	6.64	
22 11 16 00-0565 EA 1-1/4" Cast Bronze, Solder X Female Threaded Union	72.31	16.27
For Silver Solder Instead Of 95/5 Solder, Add	6.06	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.84	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.66	
For Work In Restricted Working Space, Add	7.32	
22 11 16 00-0566 EA 1-1/2" Cast Bronze, Solder X Female Threaded Union	87.80	18.07
For Silver Solder Instead Of 95/5 Solder, Add	7.10	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.75	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.07	
For Work In Restricted Working Space, Add	8.13	
22 11 16 00-0567 EA 2" Cast Bronze, Solder X Female Threaded Union	135.26	21.68
For Silver Solder Instead Of 95/5 Solder, Add	10.02	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.39	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.88	
For Work In Restricted Working Space, Add	9.76	
22 11 16 00-0568 EA 2-1/2" Cast Bronze, Solder X Female Threaded Union	230.53	23.88
For Silver Solder Instead Of 95/5 Solder, Add	15.10	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.32	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.37	
For Work In Restricted Working Space, Add	10.73	
22 11 16 00-0569 Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0412)		
22 11 16 00-0570 EA 1/4" Cast Bronze, Solder X Male Threaded Union.....	19.24	7.23
For Silver Solder Instead Of 95/5 Solder, Add	2.05	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.50	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.63	
For Work In Restricted Working Space, Add	3.25	
22 11 16 00-0571 EA 3/8" Cast Bronze, Solder X Male Threaded Union.....	22.91	8.72
For Silver Solder Instead Of 95/5 Solder, Add	2.46	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.80	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.97	
For Work In Restricted Working Space, Add	3.93	
22 11 16 00-0572 EA 1/2" Cast Bronze, Solder X Male Threaded Union.....	23.43	10.84
For Silver Solder Instead Of 95/5 Solder, Add	2.80	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.44	
For Work In Restricted Working Space, Add	4.88	
22 11 16 00-0573 EA 3/4" Cast Bronze, Solder X Male Threaded Union.....	29.26	12.38
For Silver Solder Instead Of 95/5 Solder, Add	3.32	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.39	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.78	
For Work In Restricted Working Space, Add	5.56	
22 11 16 00-0574 EA 1" Cast Bronze, Solder X Male Threaded Union.....	48.59	14.78
For Silver Solder Instead Of 95/5 Solder, Add	4.64	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.54	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.32	
For Work In Restricted Working Space, Add	6.64	
22 11 16 00-0575 EA 1-1/4" Cast Bronze, Solder X Male Threaded Union.....	57.21	16.27
For Silver Solder Instead Of 95/5 Solder, Add	5.30	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.08	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.66	
For Work In Restricted Working Space, Add	7.32	
22 11 16 00-0576 EA 1-1/2" Cast Bronze, Solder X Male Threaded Union.....	61.57	18.07
For Silver Solder Instead Of 95/5 Solder, Add	5.79	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.43	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.07	
For Work In Restricted Working Space, Add	8.13	
22 11 16 00-0577 EA 2" Cast Bronze, Solder X Male Threaded Union.....	85.46	21.68
For Silver Solder Instead Of 95/5 Solder, Add	7.53	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.90	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.88	
For Work In Restricted Working Space, Add	9.76	
22 11 16 00-0578 EA 2-1/2" Cast Bronze, Solder X Male Threaded Union.....	190.89	23.88
For Silver Solder Instead Of 95/5 Solder, Add	13.12	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.33	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.37	
For Work In Restricted Working Space, Add	10.73	
22 11 16 00-0579 Copper Caps (22 11 16 00-0412)		
22 11 16 00-0580 EA 1/4" Copper Cap	2.05	1.14
For Silver Solder Instead Of 95/5 Solder, Add	0.27	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.19	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.25	
For Work In Restricted Working Space, Add	0.51	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0581	EA		3/8" Copper Cap	2.38	1.20
			For Silver Solder Instead Of 95/5 Solder, Add	0.30	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.21	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.27	
			For Work In Restricted Working Space, Add	0.54	
22 11 16 00-0582	EA		1/2" Copper Cap	2.21	1.30
			For Silver Solder Instead Of 95/5 Solder, Add	0.30	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.21	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.29	
			For Work In Restricted Working Space, Add	0.58	
22 11 16 00-0583	EA		3/4" Copper Cap	2.96	1.62
			For Silver Solder Instead Of 95/5 Solder, Add	0.39	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.27	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.36	
			For Work In Restricted Working Space, Add	0.72	
22 11 16 00-0584	EA		1" Copper Cap	4.34	2.05
			For Silver Solder Instead Of 95/5 Solder, Add	0.52	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.37	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.46	
			For Work In Restricted Working Space, Add	0.92	
22 11 16 00-0585	EA		1-1/4" Copper Cap	5.91	2.82
			For Silver Solder Instead Of 95/5 Solder, Add	0.71	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.50	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.63	
			For Work In Restricted Working Space, Add	1.25	
22 11 16 00-0586	EA		1-1/2" Copper Cap	7.43	3.32
			For Silver Solder Instead Of 95/5 Solder, Add	0.86	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.62	
			For Brazed Fittings Instead Of 95/5 Solder, Add	0.74	
			For Work In Restricted Working Space, Add	1.47	
22 11 16 00-0587	EA		2" Copper Cap	15.59	7.39
			For Silver Solder Instead Of 95/5 Solder, Add	1.87	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.33	
			For Brazed Fittings Instead Of 95/5 Solder, Add	1.64	
			For Work In Restricted Working Space, Add	3.28	
22 11 16 00-0588	EA		2-1/2" Copper Cap	30.58	11.24
			For Silver Solder Instead Of 95/5 Solder, Add	3.19	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.36	
			For Brazed Fittings Instead Of 95/5 Solder, Add	2.50	
			For Work In Restricted Working Space, Add	5.00	
22 11 16 00-0589	EA		3" Copper Cap	41.79	14.75
			For Silver Solder Instead Of 95/5 Solder, Add	4.27	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.18	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.28	
			For Work In Restricted Working Space, Add	6.55	
22 11 16 00-0590	EA		4" Copper Cap	63.67	17.56
			For Silver Solder Instead Of 95/5 Solder, Add	5.78	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.48	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.90	
			For Work In Restricted Working Space, Add	7.80	
22 11 16 00-0591	EA		5" Cast Bronze Cap	300.82	24.09
			For Silver Solder Instead Of 95/5 Solder, Add	18.65	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.85	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.42	
			For Work In Restricted Working Space, Add	10.84	
22 11 16 00-0592	EA		6" Cast Bronze Cap	573.60	31.21
			For Silver Solder Instead Of 95/5 Solder, Add	33.30	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-30.99	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.93	
			For Work In Restricted Working Space, Add	13.87	
22 11 16 00-0593	EA		8" Cast Bronze Cap	735.88	44.94
			For Silver Solder Instead Of 95/5 Solder, Add	43.45	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-40.12	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.99	
			For Work In Restricted Working Space, Add	19.97	
22 11 16 00-0594			Copper Crosses (22 11 16 00-0412)		
22 11 16 00-0595	EA		1/2" Copper Cross	32.10	18.31
			For Silver Solder Instead Of 95/5 Solder, Add	4.35	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.98	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.12	
			For Work In Restricted Working Space, Add	8.24	
22 11 16 00-0596	EA		3/4" Copper Cross	43.13	22.77
			For Silver Solder Instead Of 95/5 Solder, Add	5.57	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.86	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.12	
			For Work In Restricted Working Space, Add	10.24	
22 11 16 00-0597	EA		1" Copper Cross	56.08	27.17
			For Silver Solder Instead Of 95/5 Solder, Add	6.88	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.84	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.12	
			For Work In Restricted Working Space, Add	12.23	
22 11 16 00-0598	EA		1-1/4" Copper Cross	66.09	29.42
			For Silver Solder Instead Of 95/5 Solder, Add	7.71	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.51	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.62	
			For Work In Restricted Working Space, Add	13.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0599	EA	1-1/2"	Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.61 8.81 -6.39 7.24 14.48	32.17
22 11 16 00-0600	EA	2"	Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.30 11.07 -8.37 8.11 16.23	36.08
22 11 16 00-0601	EA	2-1/2"	Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.41 15.81 -12.82 8.99 17.98	39.95
22 11 16 00-0602			Cast Bronze Crosses (22 11 16 00-0412)		
22 11 16 00-0603	EA	3/8"	Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.15 3.30 -2.31 3.00 5.99	13.31
22 11 16 00-0604	EA	1/2"	Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.03 4.40 -3.03 4.12 8.24	18.31
22 11 16 00-0605	EA	3/4"	Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.93 5.66 -3.95 5.12 10.24	22.77
22 11 16 00-0606	EA	1"	Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.14 7.04 -5.00 6.12 12.23	27.17
22 11 16 00-0607	EA	1-1/4"	Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.49 7.93 -5.73 6.62 13.23	29.42
22 11 16 00-0608	EA	1-1/2"	Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.88 9.12 -6.71 7.24 14.48	32.17
22 11 16 00-0609	EA	2"	Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.15 11.67 -8.96 8.11 16.23	36.08
22 11 16 00-0610	EA	2-1/2"	Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	223.71 17.18 -14.18 8.99 17.98	39.95
22 11 16 00-0611			Flexible Corrugated Copper Supply Line (22 11 16 00-0412)		
22 11 16 00-0612	EA	3/4"	Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	32.53	12.38
22 11 16 00-0613	EA	3/4"	Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	34.22	12.38
22 11 16 00-0614	EA	3/4"	Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	29.50	12.38
22 11 16 00-0615	EA	3/4"	Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	31.41	12.38
22 11 16 00-0616	EA	3/4"	Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	33.09	12.38
22 11 16 00-0617	EA	3/4"	Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	34.22	12.38
22 11 16 00-0618			Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0345)		
22 11 16 00-0619	EA	Up To 1/2"	Cut And Prepare Existing In Place Copper Pipe.....	4.51	
22 11 16 00-0620	EA	3/4"	Cut And Prepare Existing In Place Copper Pipe.....	4.88	
22 11 16 00-0621	EA	1"	Cut And Prepare Existing In Place Copper Pipe.....	5.49	
22 11 16 00-0622	EA	1-1/4"	Cut And Prepare Existing In Place Copper Pipe	5.76	
22 11 16 00-0623	EA	1-1/2"	Cut And Prepare Existing In Place Copper Pipe	6.09	
22 11 16 00-0624	EA	2"	Cut And Prepare Existing In Place Copper Pipe.....	6.71	
22 11 16 00-0625	EA	2-1/2"	Cut And Prepare Existing In Place Copper Pipe	7.23	
22 11 16 00-0626	EA	3"	Cut And Prepare Existing In Place Copper Pipe.....	8.54	
22 11 16 00-0627	EA	4"	Cut And Prepare Existing In Place Copper Pipe.....	11.52	
22 11 16 00-0628	EA	6"	Cut And Prepare Existing In Place Copper Pipe.....	16.47	
22 11 16 00-0629	EA	8"	Cut And Prepare Existing In Place Copper Pipe.....	21.96	
22 11 16 00-0630			Sweat Brass Companion Flanges (22 11 16 00-0345)		
22 11 16 00-0631	EA	1"	Sweat Brass Companion Flange	23.20	6.95
22 11 16 00-0632	EA	1-1/4"	Sweat Brass Companion Flange	25.32	7.66
22 11 16 00-0633	EA	1-1/2"	Sweat Brass Companion Flange	35.63	8.32



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-0634	EA		2" Sweat Brass Companion Flange	47.25	9.24
22 11 16 00-0635	EA		2-1/2" Sweat Brass Companion Flange	59.61	11.11
22 11 16 00-0636	EA		3" Sweat Brass Companion Flange	66.30	14.56
22 11 16 00-0637	EA		4" Sweat Brass Companion Flange	88.05	17.36
22 11 16 00-0638	EA		5" Sweat Brass Companion Flange	162.93	19.54
22 11 16 00-0639	EA		6" Sweat Brass Companion Flange	189.48	28.40
22 11 16 00-0640	EA		8" Copper Companion Flange.....	430.03	40.50
22 11 16 00-0641			Brass Compression Fittings (22 11 16 00-0345)		
22 11 16 00-0642			Brass Compression Unions (22 11 16 00-0641)		
22 11 16 00-0643	EA		1/4" Brass Compression Union	8.13	4.88
22 11 16 00-0644	EA		3/8" Brass Compression Union	8.34	4.88
22 11 16 00-0645	EA		1/2" Brass Compression Union	8.99	4.88
22 11 16 00-0646	EA		5/8" Brass Compression Union	9.30	4.88
22 11 16 00-0647	EA		3/4" Brass Compression Union	11.87	4.88
22 11 16 00-0648			Brass Compression Union Elbows (22 11 16 00-0641)		
22 11 16 00-0649	EA		1/4" Brass Compression Union Elbow	8.99	4.88
22 11 16 00-0650	EA		3/8" Brass Compression Union Elbow	9.34	4.88
22 11 16 00-0651	EA		1/2" Brass Compression Union Elbow	10.11	4.88
22 11 16 00-0652	EA		5/8" Brass Compression Union Elbow	11.31	4.88
22 11 16 00-0653	EA		3/4" Brass Compression Union Elbow	15.98	4.88
22 11 16 00-0654	EA		3/8" x 1/4" Brass Compression Union Elbow	9.34	4.88
22 11 16 00-0655	EA		1/2" x 3/8" Brass Compression Union Elbow	10.11	4.88
22 11 16 00-0656	EA		5/8" x 3/8" Brass Compression Union Elbow	10.33	4.88
22 11 16 00-0657	EA		5/8" x 1/2" Brass Compression Union Elbow	13.84	4.88
22 11 16 00-0658			Brass Compression Union Tees (22 11 16 00-0641)		
22 11 16 00-0659	EA		1/4" Brass Compression Union Tee	9.26	4.88
22 11 16 00-0660	EA		3/8" Brass Compression Union Tee	9.99	4.88
22 11 16 00-0661	EA		1/2" Brass Compression Union Tee	10.76	4.88
22 11 16 00-0662	EA		5/8" Brass Compression Union Tee	13.20	4.88
22 11 16 00-0663	EA		3/4" Brass Compression Union Tee	21.63	4.88
22 11 16 00-0664	EA		3/8" x 3/8" x 1/4" Brass Compression Union Tee	10.50	4.88
22 11 16 00-0665	EA		1/2" x 1/2" x 3/8" Brass Compression Union Tee	14.46	4.88
22 11 16 00-0666	EA		5/8" x 5/8" x 3/8" Brass Compression Union Tee	14.08	4.88
22 11 16 00-0667	EA		5/8" x 5/8" x 1/2" Brass Compression Union Tee	14.52	4.88
22 11 16 00-0668			Brass Compression Male Connectors (22 11 16 00-0641)		
22 11 16 00-0669	EA		1/4" Brass Compression Male Connector	7.97	4.88
22 11 16 00-0670	EA		3/8" Brass Compression Male Connector	8.26	4.88
22 11 16 00-0671	EA		1/2" Brass Compression Male Connector	8.75	4.88
22 11 16 00-0672	EA		5/8" Brass Compression Male Connector	9.47	4.88
22 11 16 00-0673	EA		3/4" Brass Compression Male Connector	10.51	4.84
22 11 16 00-0674			Brass Compression Female Connectors (22 11 16 00-0641)		
22 11 16 00-0675	EA		1/4" Brass Compression Female Connector	8.28	4.88
22 11 16 00-0676	EA		3/8" Brass Compression Female Connector	8.65	4.88
22 11 16 00-0677	EA		1/2" Brass Compression Female Connector	9.27	4.88
22 11 16 00-0678	EA		5/8" Brass Compression Female Connector	9.78	4.88
22 11 16 00-0679	EA		3/4" Brass Compression Female Connector	13.70	4.79
22 11 16 00-0680			Dielectric Fittings (22 11 16 00-0345)		
22 11 16 00-0681			Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0680)		
22 11 16 00-0682	EA		1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	22.45	10.84
22 11 16 00-0683	EA		3/4" Copper x Female Iron Pipe Thread Dielectric Union.....	24.70	12.38
22 11 16 00-0684	EA		1" Copper x Female Iron Pipe Thread Dielectric Union	31.13	13.61
22 11 16 00-0685	EA		1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	40.09	14.98
22 11 16 00-0686	EA		1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	50.79	16.65
22 11 16 00-0687	EA		2" Copper x Female Iron Pipe Thread Dielectric Union	66.37	19.97
22 11 16 00-0688			Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0680)		
22 11 16 00-0689	EA		1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	26.35	10.84
22 11 16 00-0690	EA		3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	31.13	12.38
22 11 16 00-0691	EA		1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	39.61	13.61
22 11 16 00-0692	EA		1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	51.34	14.98
22 11 16 00-0693	EA		1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	64.70	16.65
22 11 16 00-0694	EA		2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	82.68	19.97
22 11 16 00-0695			Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0680)		
22 11 16 00-0696	EA		1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	23.88	10.84
22 11 16 00-0697	EA		3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	27.05	12.38
22 11 16 00-0698	EA		1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	31.75	13.61
22 11 16 00-0699	EA		1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	37.92	14.98



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0700	EA		1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	48.64	16.65
22 11 16 00-0701	EA		2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	64.64	19.97
22 11 16 00-0702			Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0680)		
22 11 16 00-0703	EA		2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	157.28	51.35
22 11 16 00-0704	EA		3" Copper x Female Iron Pipe Thread Dielectric Flange.....	196.32	64.66
22 11 16 00-0705	EA		4" Copper x Female Iron Pipe Thread Dielectric Flange.....	281.82	88.00
22 11 16 00-0706			Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0680)		
22 11 16 00-0707	EA		2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	158.92	51.35
22 11 16 00-0708	EA		3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	209.12	64.66
22 11 16 00-0709	EA		4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	429.46	88.00
22 11 16 00-0710			Copper Pipe Assemblies (22 11 16)		
			Note: Includes hangers and all couplings, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0711	LF		1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	10.30	1.27
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	0.85	
			For Type M Tubing Instead Of Type L, Deduct	-0.67	
			For Silver Solder Instead Of 95/5 Solder, Add	1.22	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.87	
			For Work In Restricted Working Space, Add	2.12	
22 11 16 00-0712	LF		3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly	11.91	1.63
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.00	
			For Type M Tubing Instead Of Type L, Deduct	-0.79	
			For Silver Solder Instead Of 95/5 Solder, Add	1.40	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.00	
			For Work In Restricted Working Space, Add	2.40	
22 11 16 00-0713	LF		1" Inside Diameter Copper Pipe/Tubing Type L Assembly	13.28	1.94
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.19	
			For Type M Tubing Instead Of Type L, Deduct	-0.92	
			For Silver Solder Instead Of 95/5 Solder, Add	1.50	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.08	
			For Work In Restricted Working Space, Add	2.52	
22 11 16 00-0714	LF		1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly	15.46	2.26
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.52	
			For Type M Tubing Instead Of Type L, Deduct	-1.16	
			For Silver Solder Instead Of 95/5 Solder, Add	1.65	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.21	
			For Work In Restricted Working Space, Add	2.62	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-0.67	
22 11 16 00-0715	LF		1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	17.36	2.57
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.78	
			For Type M Tubing Instead Of Type L, Deduct	-1.34	
			For Silver Solder Instead Of 95/5 Solder, Add	1.80	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.33	
			For Work In Restricted Working Space, Add	2.79	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-0.81	
22 11 16 00-0716	LF		2" Inside Diameter Copper Pipe/Tubing Type L Assembly	22.47	3.21
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	2.48	
			For Type M Tubing Instead Of Type L, Deduct	-1.84	
			For Silver Solder Instead Of 95/5 Solder, Add	2.19	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.66	
			For Work In Restricted Working Space, Add	3.21	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.18	
22 11 16 00-0717	LF		2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	28.44	3.87
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	3.42	
			For Type M Tubing Instead Of Type L, Deduct	-2.49	
			For Silver Solder Instead Of 95/5 Solder, Add	2.57	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.00	
			For Work In Restricted Working Space, Add	3.44	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.70	
22 11 16 00-0718	LF		3" Inside Diameter Copper Pipe/Tubing Type L Assembly	35.34	4.50
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	4.49	
			For Type M Tubing Instead Of Type L, Deduct	-3.25	
			For Silver Solder Instead Of 95/5 Solder, Add	3.01	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.39	
			For Work In Restricted Working Space, Add	3.73	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-2.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-0719	LF		4" Inside Diameter Copper Pipe/Tubing Type L Assembly56.21	5.95	
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	7.64	
			For Type M Tubing Instead Of Type L, Deduct	-5.46	
			For Silver Solder Instead Of 95/5 Solder, Add	4.42	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.61	
			For Work In Restricted Working Space, Add	4.82	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-4.01	
22 11 16 00-0720	LF		5" Inside Diameter Copper Pipe/Tubing Type L Assembly .....98.78	7.41	
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	14.45	
			For Type M Tubing Instead Of Type L, Deduct	-10.20	
			For Silver Solder Instead Of 95/5 Solder, Add	7.00	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.97	
			For Work In Restricted Working Space, Add	6.19	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-7.81	
22 11 16 00-0721	LF		6" Inside Diameter Copper Pipe/Tubing Type L Assembly .....128.76	8.95	
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	18.93	
			For Type M Tubing Instead Of Type L, Deduct	-13.35	
			For Silver Solder Instead Of 95/5 Solder, Add	9.06	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.75	
			For Work In Restricted Working Space, Add	7.86	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-10.26	
22 11 16 00-0722	LF		8" Inside Diameter Copper Pipe/Tubing Type L Assembly .....267.49	10.70	
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	42.27	
			For Type M Tubing Instead Of Type L, Deduct	-29.49	
			For Silver Solder Instead Of 95/5 Solder, Add	16.63	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.00	
			For Work In Restricted Working Space, Add	9.77	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-23.49	
22 11 16 00-0723			Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16)		
			Note: Socket weld.		
22 11 16 00-0724			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0723)		
22 11 16 00-0725			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0724)		
22 11 16 00-0726	LF		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....2.84	0.67	
			For Work In Restricted Working Space, Add	0.50	
22 11 16 00-0727	LF		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....3.36	0.70	
			For Work In Restricted Working Space, Add	0.52	
22 11 16 00-0728	LF		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....4.25	0.75	
			For Work In Restricted Working Space, Add	0.56	
22 11 16 00-0729	LF		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....5.34	0.82	
			For Work In Restricted Working Space, Add	0.62	
22 11 16 00-0730	LF		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....6.23	0.91	
			For Work In Restricted Working Space, Add	0.68	
22 11 16 00-0731	LF		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....8.02	1.01	
			For Work In Restricted Working Space, Add	0.76	
22 11 16 00-0732	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....11.29	1.16	
			For Work In Restricted Working Space, Add	0.87	
22 11 16 00-0733	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....14.63	1.37	
			For Work In Restricted Working Space, Add	1.02	
22 11 16 00-0734	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....20.65	1.68	
			For Work In Restricted Working Space, Add	1.26	
22 11 16 00-0735	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....37.17	2.13	
			For Work In Restricted Working Space, Add	1.60	
22 11 16 00-0736	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....53.96	2.80	
			For Work In Restricted Working Space, Add	2.10	
22 11 16 00-0737			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0724)		
22 11 16 00-0738	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....9.75	3.16	
			For Work In Restricted Working Space, Add	2.37	
22 11 16 00-0739	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....12.86	3.99	
			For Work In Restricted Working Space, Add	3.00	
22 11 16 00-0740	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....17.06	4.99	
			For Work In Restricted Working Space, Add	3.76	
22 11 16 00-0741	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....24.38	6.24	
			For Work In Restricted Working Space, Add	4.69	
22 11 16 00-0742	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....27.18	6.91	
			For Work In Restricted Working Space, Add	5.19	
22 11 16 00-0743	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....32.62	6.91	
			For Work In Restricted Working Space, Add	5.79	
22 11 16 00-0744	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....56.64	8.78	
			For Work In Restricted Working Space, Add	6.59	
22 11 16 00-0745	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....63.63	10.41	
			For Work In Restricted Working Space, Add	7.79	
22 11 16 00-0746	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....94.77	12.78	
			For Work In Restricted Working Space, Add	9.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0747 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	119.34 12.18	16.23
22 11 16 00-0748 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	245.94 15.98	21.31
22 11 16 00-0749 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0724)		
22 11 16 00-0750 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	10.67 2.37	3.16
22 11 16 00-0751 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	13.97 3.00	3.99
22 11 16 00-0752 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	18.85 3.76	4.99
22 11 16 00-0753 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	26.74 4.69	6.24
22 11 16 00-0754 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	30.05 5.19	6.91
22 11 16 00-0755 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	33.59 5.79	7.74
22 11 16 00-0756 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	57.25 6.59	8.78
22 11 16 00-0757 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	63.55 7.79	10.41
22 11 16 00-0758 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	83.52 9.59	12.78
22 11 16 00-0759 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	140.44 12.18	16.23
22 11 16 00-0760 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	260.89 15.98	21.31
22 11 16 00-0761 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0724)		
22 11 16 00-0762 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	15.22 3.56	4.74
22 11 16 00-0763 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	20.34 4.49	5.99
22 11 16 00-0764 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	25.39 5.64	7.53
22 11 16 00-0765 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	37.35 7.04	9.40
22 11 16 00-0766 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	41.89 7.79	10.41
22 11 16 00-0767 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	52.72 8.69	11.57
22 11 16 00-0768 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	71.97 9.89	13.19
22 11 16 00-0769 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	81.40 11.69	15.56
22 11 16 00-0770 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	98.07 14.38	19.18
22 11 16 00-0771 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	158.90 18.28	24.39
22 11 16 00-0772 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	360.41 23.97	31.96
22 11 16 00-0773 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0724)		
22 11 16 00-0774 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	18.71 4.75	6.32
22 11 16 00-0775 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	24.59 5.99	7.99
22 11 16 00-0776 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	30.73 7.52	10.03
22 11 16 00-0777 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	43.26 9.39	12.52
22 11 16 00-0778 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	48.33 10.39	13.86
22 11 16 00-0779 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	59.07 11.58	15.44
22 11 16 00-0780 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	77.54 13.18	17.56
22 11 16 00-0781 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	88.49 15.58	20.76
22 11 16 00-0782 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	107.10 19.17	25.55
22 11 16 00-0783 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	165.61 24.37	32.50
22 11 16 00-0784 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	348.13 31.96	42.61
22 11 16 00-0785 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts (22 11 16 00-0724)		
22 11 16 00-0786 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	8.43 2.20	2.91



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-0787	EA	1"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	12.01	3.95
			<i>For Work In Restricted Working Space, Add</i>	2.96	
22 11 16 00-0788	EA	1-1/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	22.74	5.16
			<i>For Work In Restricted Working Space, Add</i>	3.87	
22 11 16 00-0789	EA	1-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	25.89	5.70
			<i>For Work In Restricted Working Space, Add</i>	4.28	
22 11 16 00-0790	EA	2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	31.19	6.36
			<i>For Work In Restricted Working Space, Add</i>	4.78	
22 11 16 00-0791	EA	2-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	33.40	7.24
			<i>For Work In Restricted Working Space, Add</i>	5.45	
22 11 16 00-0792	EA	3"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	40.96	8.57
			<i>For Work In Restricted Working Space, Add</i>	6.43	
22 11 16 00-0793	EA	4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	57.68	10.53
			<i>For Work In Restricted Working Space, Add</i>	7.91	
22 11 16 00-0794	EA	6"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	100.18	13.39
			<i>For Work In Restricted Working Space, Add</i>	10.05	
22 11 16 00-0795	EA	8"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	244.57	17.56
			<i>For Work In Restricted Working Space, Add</i>	13.18	

22 11 16 00-0796 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0724)

22 11 16 00-0797	EA	1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	12.43	2.08
			<i>For Work In Restricted Working Space, Add</i>	1.56	
22 11 16 00-0798	EA	3/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	15.12	2.91
			<i>For Work In Restricted Working Space, Add</i>	2.20	
22 11 16 00-0799	EA	1"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	18.22	3.95
			<i>For Work In Restricted Working Space, Add</i>	2.96	
22 11 16 00-0800	EA	1-1/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	22.21	5.16
			<i>For Work In Restricted Working Space, Add</i>	3.87	
22 11 16 00-0801	EA	1-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	26.69	5.70
			<i>For Work In Restricted Working Space, Add</i>	4.28	
22 11 16 00-0802	EA	2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	35.14	6.36
			<i>For Work In Restricted Working Space, Add</i>	4.78	
22 11 16 00-0803	EA	2-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	59.19	7.24
			<i>For Work In Restricted Working Space, Add</i>	5.45	
22 11 16 00-0804	EA	3"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	128.64	8.57
			<i>For Work In Restricted Working Space, Add</i>	6.43	
22 11 16 00-0805	EA	4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	195.35	10.53
			<i>For Work In Restricted Working Space, Add</i>	7.91	

22 11 16 00-0806 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0724)

22 11 16 00-0807	EA	1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	7.97	2.08
			<i>For Work In Restricted Working Space, Add</i>	1.56	
22 11 16 00-0808	EA	3/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	11.07	2.91
			<i>For Work In Restricted Working Space, Add</i>	2.20	
22 11 16 00-0809	EA	1"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	16.17	3.95
			<i>For Work In Restricted Working Space, Add</i>	2.96	
22 11 16 00-0810	EA	1-1/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	22.21	5.16
			<i>For Work In Restricted Working Space, Add</i>	3.87	
22 11 16 00-0811	EA	1-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	26.87	5.70
			<i>For Work In Restricted Working Space, Add</i>	4.28	
22 11 16 00-0812	EA	2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	32.96	6.36
			<i>For Work In Restricted Working Space, Add</i>	4.78	
22 11 16 00-0813	EA	2-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	50.38	7.24
			<i>For Work In Restricted Working Space, Add</i>	5.45	
22 11 16 00-0814	EA	3"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	60.40	8.57
			<i>For Work In Restricted Working Space, Add</i>	6.43	
22 11 16 00-0815	EA	4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	92.26	10.53
			<i>For Work In Restricted Working Space, Add</i>	7.91	

22 11 16 00-0816 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters (22 11 16 00-0724)

22 11 16 00-0817	EA	1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	9.02	2.08
			<i>For Work In Restricted Working Space, Add</i>	1.56	
22 11 16 00-0818	EA	3/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	11.41	2.91
			<i>For Work In Restricted Working Space, Add</i>	2.20	
22 11 16 00-0819	EA	1"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	16.25	3.95
			<i>For Work In Restricted Working Space, Add</i>	2.96	
22 11 16 00-0820	EA	1-1/4"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	22.51	5.16
			<i>For Work In Restricted Working Space, Add</i>	3.87	
22 11 16 00-0821	EA	1-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	25.46	5.70
			<i>For Work In Restricted Working Space, Add</i>	4.28	
22 11 16 00-0822	EA	2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	31.81	6.36
			<i>For Work In Restricted Working Space, Add</i>	4.78	
22 11 16 00-0823	EA	2-1/2"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	51.04	7.24
			<i>For Work In Restricted Working Space, Add</i>	5.45	
22 11 16 00-0824	EA	3"	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	72.04	8.57
			<i>For Work In Restricted Working Space, Add</i>	6.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0825 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	112.05 7.91	10.53
22 11 16 00-0826 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 11 16 00-0724)		
22 11 16 00-0827 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	7.10 1.42	1.91
22 11 16 00-0828 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	9.99 2.00	2.66
22 11 16 00-0829 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	13.44 2.69	3.58
22 11 16 00-0830 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	18.42 3.52	4.70
22 11 16 00-0831 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	21.42 3.89	5.20
22 11 16 00-0832 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	24.27 4.34	5.79
22 11 16 00-0833 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	39.95 4.94	6.58
22 11 16 00-0834 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	43.18 5.84	7.78
22 11 16 00-0835 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	55.04 7.19	9.57
22 11 16 00-0836 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	91.76 9.14	12.19
22 11 16 00-0837 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	164.16 11.99	15.98
22 11 16 00-0838 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions (22 11 16 00-0724)		
22 11 16 00-0839 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	15.75 1.71	2.29
22 11 16 00-0840 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	18.53 2.40	3.20
22 11 16 00-0841 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	21.61 3.22	4.29
22 11 16 00-0842 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	39.62 4.22	5.61
22 11 16 00-0843 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	41.58 4.67	6.24
22 11 16 00-0844 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	60.57 5.22	6.95
22 11 16 00-0845 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	109.29 5.93	7.90
22 11 16 00-0846 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	158.66 7.01	9.36
22 11 16 00-0847 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	258.73 8.63	11.49
22 11 16 00-0848 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	347.13 10.96	14.61
22 11 16 00-0849 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	427.34 14.38	19.18
22 11 16 00-0850 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0724)		
22 11 16 00-0851 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	5.30 0.47	0.63
22 11 16 00-0852 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	8.61 1.00	1.33
22 11 16 00-0853 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	14.70 1.61	2.17
22 11 16 00-0854 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	16.10 1.76	2.33
22 11 16 00-0855 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	16.93 1.95	2.58
22 11 16 00-0856 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	24.04 2.17	2.91
22 11 16 00-0857 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	38.49 2.47	3.28
22 11 16 00-0858 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	40.68 2.92	3.91
22 11 16 00-0859 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	64.18 3.60	4.78
22 11 16 00-0860 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	145.10 4.57	6.08
22 11 16 00-0861 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	186.73 5.99	7.99
22 11 16 00-0862 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges (22 11 16 00-0724)		
22 11 16 00-0863 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	12.76 1.14	1.50
22 11 16 00-0864 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	14.94 1.60	2.12
22 11 16 00-0865 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	17.87 2.15	2.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0866 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	20.42	3.75
<i>For Work In Restricted Working Space, Add</i>	2.82	
22 11 16 00-0867 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	21.69	4.16
<i>For Work In Restricted Working Space, Add</i>	3.12	
22 11 16 00-0868 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	26.57	4.62
<i>For Work In Restricted Working Space, Add</i>	3.47	
22 11 16 00-0869 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	36.60	5.29
<i>For Work In Restricted Working Space, Add</i>	3.96	
22 11 16 00-0870 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	41.09	6.24
<i>For Work In Restricted Working Space, Add</i>	4.67	
22 11 16 00-0871 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	51.53	7.66
<i>For Work In Restricted Working Space, Add</i>	5.75	
22 11 16 00-0872 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	75.25	9.74
<i>For Work In Restricted Working Space, Add</i>	7.32	
22 11 16 00-0873 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	146.71	12.78
<i>For Work In Restricted Working Space, Add</i>	9.59	
22 11 16 00-0874 Cross-Linked Polyethylene Tubing, ASTM F877 (22 11 16)		
Note: Aboveground, domestic water usage.		
22 11 16 00-0875 Cross-Linked Polyethylene Tubing (22 11 16 00-0874)		
22 11 16 00-0876 LF 3/8" Cross-Linked Polyethylene Tubing.....	1.68	
<i>For Work In Restricted Working Space, Add</i>	0.39	
22 11 16 00-0877 LF 1/2" Cross-Linked Polyethylene Tubing.....	1.84	
<i>For Work In Restricted Working Space, Add</i>	0.43	
22 11 16 00-0878 LF 3/4" Cross-Linked Polyethylene Tubing.....	2.29	
<i>For Work In Restricted Working Space, Add</i>	0.46	
22 11 16 00-0879 LF 1" Cross-Linked Polyethylene Tubing.....	2.92	
<i>For Work In Restricted Working Space, Add</i>	0.48	
22 11 16 00-0880 Cross-Linked Polyethylene Forged Brass PEX Fittings (22 11 16 00-0874)		
Note: Aboveground, domestic water usage.		
22 11 16 00-0881 Male Adapters (22 11 16 00-0880)		
22 11 16 00-0882 EA 3/8" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing.....	8.32	
<i>For Work In Restricted Working Space, Add</i>	2.03	
22 11 16 00-0883 EA 1/2" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing.....	8.95	
<i>For Work In Restricted Working Space, Add</i>	2.17	
22 11 16 00-0884 EA 1/2" x 3/4", (PE x Threaded) Male Adapter For PEX Tubing.....	9.76	
<i>For Work In Restricted Working Space, Add</i>	2.30	
22 11 16 00-0885 EA 3/4" x 3/4", (PE x Threaded) Male Adapter For PEX Tubing.....	10.21	
<i>For Work In Restricted Working Space, Add</i>	2.44	
22 11 16 00-0886 EA 3/4" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing.....	9.76	
<i>For Work In Restricted Working Space, Add</i>	2.30	
22 11 16 00-0887 EA 1" x 1", (PE x Threaded) Male Adapter For PEX Tubing.....	12.70	
<i>For Work In Restricted Working Space, Add</i>	2.71	
22 11 16 00-0888 Female Adapters (22 11 16 00-0880)		
22 11 16 00-0889 EA 1/2" x 1/2", (PE x Threaded) Female Adapter For PEX Tubing.....	9.13	
<i>For Work In Restricted Working Space, Add</i>	2.17	
22 11 16 00-0890 EA 1/2" x 3/4", (PE x Threaded) Female Adapter For PEX Tubing.....	10.25	
<i>For Work In Restricted Working Space, Add</i>	2.30	
22 11 16 00-0891 EA 3/4" x 3/4", (PE x Threaded) Female Adapter For PEX Tubing.....	10.70	
<i>For Work In Restricted Working Space, Add</i>	2.44	
22 11 16 00-0892 EA 3/4" x 1/2", (PE x Threaded) Female Adapter For PEX Tubing.....	10.25	
<i>For Work In Restricted Working Space, Add</i>	2.30	
22 11 16 00-0893 EA 1" x 1", (PE x Threaded) Female Adapter For PEX Tubing.....	12.93	
<i>For Work In Restricted Working Space, Add</i>	2.71	
22 11 16 00-0894 Tube Adapters (22 11 16 00-0880)		
22 11 16 00-0895 EA 3/8" x 1/2" Tube Adapter For PEX Tubing.....	7.59	
<i>For Work In Restricted Working Space, Add</i>	2.03	
22 11 16 00-0896 EA 1/2" Tube Adapter For PEX Tubing.....	8.04	
<i>For Work In Restricted Working Space, Add</i>	2.17	
22 11 16 00-0897 EA 3/4" Tube Adapter For PEX Tubing.....	9.62	
<i>For Work In Restricted Working Space, Add</i>	2.44	
22 11 16 00-0898 EA 1" Tube Adapter For PEX Tubing.....	12.24	
<i>For Work In Restricted Working Space, Add</i>	2.71	
22 11 16 00-0899 Plugs (22 11 16 00-0880)		
22 11 16 00-0900 EA 3/8" Plug For PEX Tubing.....	3.79	
<i>For Work In Restricted Working Space, Add</i>	0.95	
22 11 16 00-0901 EA 1/2" Plug For PEX Tubing.....	4.24	
<i>For Work In Restricted Working Space, Add</i>	1.08	
22 11 16 00-0902 EA 3/4" Plug For PEX Tubing.....	4.88	
<i>For Work In Restricted Working Space, Add</i>	1.22	
22 11 16 00-0903 EA 1" Plug For PEX Tubing.....	6.00	
<i>For Work In Restricted Working Space, Add</i>	1.35	
22 11 16 00-0904 Tees (22 11 16 00-0880)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0905	EA		3/8" Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	10.80 2.85	
22 11 16 00-0906	EA		1/2" Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	12.15 3.25	
22 11 16 00-0907	EA		3/4" Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.41 3.66	
22 11 16 00-0908	EA		1" Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	18.29 4.07	
22 11 16 00-0909	EA		1/2" Reducing Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	11.71 3.12	
22 11 16 00-0910	EA		3/4" Reducing Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	13.51 3.39	
22 11 16 00-0911	EA		1" Reducing Tee For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	16.58 3.66	
22 11 16 00-0912			Couplings (22 11 16 00-0880)		
22 11 16 00-0913	EA		3/8" Coupling For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	7.00 1.90	
22 11 16 00-0914	EA		1/2" Coupling For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	7.95 2.17	
22 11 16 00-0915	EA		3/4" Coupling For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	9.07 2.44	
22 11 16 00-0916	EA		1" Coupling For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	11.03 2.71	
22 11 16 00-0917	EA		3/4" x 1/2" Reducing Coupling For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	8.62 2.30	
22 11 16 00-0918	EA		1" x 3/4" Reducing Coupling For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	10.57 2.57	
22 11 16 00-0919			Fitting Reducers (22 11 16 00-0880)		
22 11 16 00-0920	EA		3/8" x 1/2" Fitting Reducer For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	7.72 2.03	
22 11 16 00-0921	EA		1/2" Fitting Reducer For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	8.17 2.17	
22 11 16 00-0922	EA		3/4" Fitting Reducer For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	9.89 2.44	
22 11 16 00-0923	EA		1" Fitting Reducer For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	13.78 2.71	
22 11 16 00-0924			90 Degree Elbows (22 11 16 00-0880)		
22 11 16 00-0925	EA		3/8" 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	7.41 1.90	
22 11 16 00-0926	EA		1/2" 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	8.31 2.17	
22 11 16 00-0927	EA		3/4" 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	9.89 2.44	
22 11 16 00-0928	EA		3/4" x 1/2" 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	9.44 2.30	
22 11 16 00-0929	EA		1/2" Drop 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	11.12 2.17	
22 11 16 00-0930	EA		3/4" Drop 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	12.42 2.44	
22 11 16 00-0931	EA		3/4" x 1/2" Drop 90 Degree Elbow For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	11.97 2.30	
22 11 19			Domestic Water Piping Specialties (22 11)		
22 11 19 00-0001			Rubber Hose And Clamps (22 11 19)		
22 11 19 00-0002			General Purpose Hose (22 11 19 00-0001) Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF		3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	4.30	0.90
22 11 19 00-0004	LF		1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	4.37	0.90
22 11 19 00-0005	LF		5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	4.54	0.90
22 11 19 00-0006	LF		3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	4.50	0.90
22 11 19 00-0007	LF		1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	5.81	1.35
22 11 19 00-0008	LF		1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	6.71	1.35
22 11 19 00-0009	LF		1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	7.88	1.79
22 11 19 00-0010			Chemical Resistant Rubber Hoses (22 11 19 00-0001)		
22 11 19 00-0011	EA		50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	883.88	99.53
22 11 19 00-0012	EA		50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,332.56	99.53
22 11 19 00-0013			Water Pump Hose (22 11 19 00-0001)		
22 11 19 00-0014	EA		2" Inside Diameter, 20' Rubber Discharge Hose.....	137.32	27.45
22 11 19 00-0015	EA		2" Inside Diameter, 20' Rubber Intake Hose.....	143.70	27.45
22 11 19 00-0016			Serrated Shank Nipple (22 11 19 00-0001) Note: For use as medium pressure coupling.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0017	EA		3/8" Inside Diameter Hose x 1/2" Male Pipe Thread Serrated Shank Nipple.....	10.09	2.25
22 11 19 00-0018	EA		1/2" Inside Diameter Hose x 5/8" Male Pipe Thread Serrated Shank Nipple.....	9.99	2.25
22 11 19 00-0019	EA		5/8" Inside Diameter Hose x 3/4" Male Pipe Thread Serrated Shank Nipple.....	9.99	2.25
22 11 19 00-0020	EA		3/4" Inside Diameter Hose x 1" Male Pipe Thread Serrated Shank Nipple.....	12.92	3.14
22 11 19 00-0021	EA		1" Inside Diameter Hose x 1-1/4" Male Pipe Thread Serrated Shank Nipple.....	13.71	3.14
22 11 19 00-0022	EA		1-1/4" Inside Diameter Hose x 1-1/2" Male Pipe Thread Serrated Shank Nipple.....	25.43	5.85
22 11 19 00-0023	EA		1-1/2" Inside Diameter Hose x 2" Male Pipe Thread Serrated Shank Nipple.....	31.33	7.19
22 11 19 00-0024			Worm-Drive Hose Clamp (22 11 19 00-0001)		
22 11 19 00-0025	EA		3/8" To 1" Diameter Worm Drive Hose Clamp.....	4.75	1.35
22 11 19 00-0026	EA		1/2" To 1-1/8" Diameter Worm Drive Hose Clamp.....	5.04	1.35
22 11 19 00-0027	EA		5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	5.32	1.35
22 11 19 00-0028	EA		3/4" To 2" Diameter Worm Drive Hose Clamp.....	5.66	1.35
22 11 19 00-0029	EA		1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	6.04	1.35
22 11 19 00-0030	EA		1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	6.56	1.79
22 11 19 00-0031	EA		1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	7.07	1.79
22 11 19 00-0032			Trap Primer And Accessories (22 11 19)		
22 11 19 00-0033			Trap Primer (22 11 19 00-0032)		
22 11 19 00-0034	EA		1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	129.92	6.78
22 11 19 00-0035	EA		1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	79.49	4.51
22 11 19 00-0036	EA		1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	76.91	4.51
22 11 19 00-0037			Trap Primer Distribution Unit (22 11 19 00-0032)		
22 11 19 00-0038	EA		Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U).....	63.98	9.04
			Note: Can be used for two, three or four drains.		
22 11 19 00-0039	EA		Copper Four Opening Trap Primer Distribution Unit (PPP DU-4).....	70.92	9.04
			Note: Can be used for two, three or four drains.		
22 11 19 00-0040			Trap Primer Manifold (22 11 19 00-0032)		
22 11 19 00-0041	EA		Two Outlet Manifold.....	103.91	12.16
22 11 19 00-0042	EA		Four Outlet Manifold.....	158.47	13.83
22 11 19 00-0043	EA		Six Outlet Manifold.....	211.98	14.64
22 11 19 00-0044	EA		Eight Outlet Manifold.....	267.02	17.17
22 11 19 00-0045			Brass, Anti Siphon Vacuum Breakers (22 11 19)		
			Note: Watts 288A		
22 11 19 00-0046	EA		1/2" Brass, Anti Siphon Vacuum Breaker.....	44.58	11.30
22 11 19 00-0047	EA		3/4" Brass, Anti Siphon Vacuum Breaker.....	51.35	12.65
22 11 19 00-0048	EA		1" Brass, Anti Siphon Vacuum Breaker.....	108.80	14.46
22 11 19 00-0049	EA		1-1/4" Brass, Anti Siphon Vacuum Breaker.....	175.03	16.71
22 11 19 00-0050	EA		1-1/2" Brass, Anti Siphon Vacuum Breaker.....	209.20	18.52
22 11 19 00-0051	EA		2" Brass, Anti Siphon Vacuum Breaker.....	307.72	22.59
22 11 19 00-0052	EA		2-1/2" Brass, Anti Siphon Vacuum Breaker.....	816.58	28.24
22 11 19 00-0053			Anti Siphon Pressure Vacuum Breakers (22 11 19)		
			Note: Watts 800M4QT		
22 11 19 00-0054	EA		1/2" Anti Siphon Pressure Type Vacuum Breaker.....	137.71	11.30
22 11 19 00-0055	EA		3/4" Anti Siphon Pressure Type Vacuum Breaker.....	119.55	12.65
22 11 19 00-0056	EA		1" Anti Siphon Pressure Type Vacuum Breaker.....	172.15	14.46
22 11 19 00-0057	EA		1-1/4" Anti Siphon Pressure Type Vacuum Breaker.....	314.39	16.71
22 11 19 00-0058	EA		1-1/2" Anti Siphon Pressure Type Vacuum Breaker.....	383.12	18.52
22 11 19 00-0059	EA		2" Anti Siphon Pressure Type Vacuum Breaker.....	385.62	22.59
22 11 19 00-0060			Bellows Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0061	EA		Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005).....	127.75	5.41
22 11 19 00-0062	EA		>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010).....	251.07	6.54
22 11 19 00-0063	EA		>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020).....	369.04	6.54
22 11 19 00-0064	EA		>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030).....	905.53	6.54
22 11 19 00-0065	EA		>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040).....	1,020.45	6.54
22 11 19 00-0066	EA		>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050).....	1,250.95	6.54
22 11 19 00-0067			Piston Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0068			Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0067)		
22 11 19 00-0069	EA		Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	77.22	3.02
22 11 19 00-0070	EA		>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	149.35	3.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0071 EA >32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	222.58	3.77
22 11 19 00-0072 EA >60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	549.52	4.86
22 11 19 00-0073 EA >113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	669.24	6.02
22 11 19 00-0074 EA >154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	761.68	6.54
22 11 19 00-0075 Wall Hydrants (22 11 19) Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0076 Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0075) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0077 EA 6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	463.08	11.30
For Cast Bronze Box, Add	24.66	
For 1" NPT Outlet, Add	58.12	
22 11 19 00-0078 EA 12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	485.14	13.55
For Cast Bronze Box, Add	24.66	
For 1" NPT Outlet, Add	58.12	
22 11 19 00-0079 EA 18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	494.39	16.31
For Cast Bronze Box, Add	24.66	
For 1" NPT Outlet, Add	58.12	
22 11 19 00-0080 Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0075) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0081 EA Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	446.10	18.98
For Cast Bronze Box, Add	24.66	
For 1" NPT Outlet, Add	58.12	
22 11 19 00-0082 Cast Bronze Non-Freezing Wall Hydrant (22 11 19 00-0075) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0083 EA 3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	232.34	14.01
For 1" NPT Outlet, Add	58.12	
22 11 19 00-0084 EA 4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	294.77	14.01
For 1" NPT Outlet, Add	58.12	
22 11 19 00-0085 EA 6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	294.77	14.01
For 1" NPT Outlet, Add	58.12	
22 11 19 00-0086 EA 8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	294.77	14.01
For 1" NPT Outlet, Add	58.12	
22 11 19 00-0087 EA 10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	309.30	28.24
For 1" NPT Outlet, Add	58.12	
22 11 19 00-0088 EA 12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	309.30	28.24
For 1" NPT Outlet, Add	58.12	
22 11 19 00-0089 EA 18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	352.76	28.24
For 1" NPT Outlet, Add	58.12	
22 11 19 00-0090 Washer Boxes And Dryer Outlets (22 11 19)		
22 11 19 00-0091 Dryer Vent Kit (22 11 19 00-0090) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0092 EA Dryer Vent Kit With Hood, 4" x 5" Flexible Vent And Clamps.....	41.39	5.87
22 11 19 00-0093 Washer Boxes And Dryer Vents (22 11 19 00-0090) Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0094 EA 2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves.....	117.19	9.04
22 11 19 00-0095 Ice Maker Outlet Box (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0096 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	68.36	9.04
22 11 19 00-0097 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	95.54	9.04
22 11 19 00-0098 EA Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	110.50	9.04
22 11 19 00-0099 Tempering Controllers For Potable Hot Water (22 11 19)		
22 11 19 00-0100 Point-Of-Use Thermostatic Mixing Valves (Bradley) (22 11 19 00-0099) Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0101 EA 1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007).....	323.02	13.49
22 11 19 00-0102 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	130.82	13.49
22 11 19 00-0103 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	179.10	13.49
22 11 19 00-0104 EA 3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	203.38	18.17



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0105			Thermostatic Mixing Valves (Bradley) (22 11 19 00-0099) Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0106	EA		3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	891.51	19.45
22 11 19 00-0107	EA		3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	998.90	23.96
22 11 19 00-0108	EA		1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	1,201.65	27.87
22 11 19 00-0109	EA		1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,563.39	29.30
22 11 19 00-0110	EA		2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	2,100.03	38.01
22 11 19 00-0111			High Low Temperature Thermostatic Mixing Valves (Bradley) (22 11 19 00-0099) Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0112	EA		3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	2,289.08	29.96
22 11 19 00-0113	EA		1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	2,982.82	34.84
22 11 19 00-0114	EA		1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	3,482.04	36.62
22 11 19 00-0115	EA		2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	3,851.81	47.50
22 11 19 00-0116			Thermostatic Mixing Valves (Leonard) (22 11 19 00-0099) Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0117	EA		3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF)	617.55	19.45
22 11 19 00-0118	EA		1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF)	726.32	23.96
22 11 19 00-0119	EA		1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)	893.77	27.87
22 11 19 00-0120	EA		1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)	1,096.14	29.31
22 11 19 00-0121	EA		2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF)	1,632.35	38.01
22 11 19 00-0122			Water Mixing/Self Operating Temperature Regulator (22 11 19 00-0099) Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0123	EA		3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,263.52	22.59
22 11 19 00-0124	EA		1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,337.48	28.47
22 11 19 00-0125	EA		1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,472.23	34.34
22 11 19 00-0126	EA		1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,619.81	40.21
22 11 19 00-0127	EA		2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,927.80	52.86
22 11 19 00-0128	EA		2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	2,278.32	60.29
22 11 19 00-0129			Backflow Preventer Valves (22 11 19)		
22 11 19 00-0130			Backflow Preventers Manifold Consisting Of Two Gate And (22 11 19 00-0129)		
22 11 19 00-0131			Threaded Double Check Valve Assemblies (22 11 19 00-0130)		
22 11 19 00-0132			Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0131) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0133	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	220.61	12.11
			<i>For Work In Restricted Working Space, Add</i>	9.08	
			<i>For Owner Furnished Material, Deduct</i>	-190.34	
22 11 19 00-0134	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	257.79	17.17
			<i>For Work In Restricted Working Space, Add</i>	12.88	
			<i>For Owner Furnished Material, Deduct</i>	-214.87	
22 11 19 00-0135	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	296.20	20.96
			<i>For Work In Restricted Working Space, Add</i>	15.72	
			<i>For Owner Furnished Material, Deduct</i>	-243.79	
22 11 19 00-0136	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	419.16	24.40
			<i>For Work In Restricted Working Space, Add</i>	18.30	
			<i>For Owner Furnished Material, Deduct</i>	-358.16	
22 11 19 00-0137	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	521.19	28.01
			<i>For Work In Restricted Working Space, Add</i>	20.87	
			<i>For Owner Furnished Material, Deduct</i>	-451.62	
22 11 19 00-0138	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	596.70	36.15
			<i>For Work In Restricted Working Space, Add</i>	27.11	
			<i>For Owner Furnished Material, Deduct</i>	-506.33	
22 11 19 00-0139			Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0131) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0140	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	275.07	12.11
			<i>For Work In Restricted Working Space, Add</i>	9.08	
			<i>For Owner Furnished Material, Deduct</i>	-244.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0141	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	337.56	17.17
			<i>For Work In Restricted Working Space, Add</i>	12.88	
			<i>For Owner Furnished Material, Deduct</i>	-294.64	
22 11 19 00-0142	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	393.99	20.96
			<i>For Work In Restricted Working Space, Add</i>	15.72	
			<i>For Owner Furnished Material, Deduct</i>	-341.58	
22 11 19 00-0143	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	558.49	24.40
			<i>For Work In Restricted Working Space, Add</i>	18.30	
			<i>For Owner Furnished Material, Deduct</i>	-497.50	
22 11 19 00-0144	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	685.32	28.01
			<i>For Work In Restricted Working Space, Add</i>	20.87	
			<i>For Owner Furnished Material, Deduct</i>	-615.74	
22 11 19 00-0145	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	823.28	36.15
			<i>For Work In Restricted Working Space, Add</i>	27.11	
			<i>For Owner Furnished Material, Deduct</i>	-732.91	
22 11 19 00-0146			Flanged Double Check Valve Assemblies (22 11 19 00-0130)		
22 11 19 00-0147			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0146)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 NRS series).		
22 11 19 00-0148	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,671.89	99.87
			<i>For Work In Restricted Working Space, Add</i>	39.95	
			<i>For Owner Furnished Material, Deduct</i>	-1,538.73	
22 11 19 00-0149	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,837.73	112.35
			<i>For Work In Restricted Working Space, Add</i>	44.32	
			<i>For Owner Furnished Material, Deduct</i>	-1,690.01	
22 11 19 00-0150			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0146)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 OSY series).		
22 11 19 00-0151	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	1,828.30	99.87
			<i>For Work In Restricted Working Space, Add</i>	39.95	
			<i>For Owner Furnished Material, Deduct</i>	-1,695.14	
22 11 19 00-0152	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	2,098.58	112.35
			<i>For Work In Restricted Working Space, Add</i>	44.32	
			<i>For Owner Furnished Material, Deduct</i>	-1,950.86	
22 11 19 00-0153			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0146)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 NRS series).		
22 11 19 00-0154	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,090.45	99.87
			<i>For Work In Restricted Working Space, Add</i>	39.95	
			<i>For Owner Furnished Material, Deduct</i>	-1,957.30	
22 11 19 00-0155	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,297.25	112.35
			<i>For Work In Restricted Working Space, Add</i>	44.32	
			<i>For Owner Furnished Material, Deduct</i>	-2,149.52	
22 11 19 00-0156	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,600.71	166.44
			<i>For Work In Restricted Working Space, Add</i>	66.54	
			<i>For Owner Furnished Material, Deduct</i>	-2,378.90	
22 11 19 00-0157	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	4,242.83	231.05
			<i>For Work In Restricted Working Space, Add</i>	125.21	
			<i>For Owner Furnished Material, Deduct</i>	-3,825.45	
22 11 19 00-0158	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	8,295.98	346.57
			<i>For Work In Restricted Working Space, Add</i>	187.85	
			<i>For Owner Furnished Material, Deduct</i>	-7,669.82	
22 11 19 00-0159	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	10,952.91	409.92
			<i>For Work In Restricted Working Space, Add</i>	223.59	
			<i>For Owner Furnished Material, Deduct</i>	-10,207.60	
22 11 19 00-0160			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer (22 11 19 00-0146)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0161	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,306.91	99.87
			<i>For Work In Restricted Working Space, Add</i>	39.95	
			<i>For Owner Furnished Material, Deduct</i>	-2,173.76	
22 11 19 00-0162	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,556.20	112.35
			<i>For Work In Restricted Working Space, Add</i>	44.32	
			<i>For Owner Furnished Material, Deduct</i>	-2,408.48	
22 11 19 00-0163	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	3,176.50	166.44
			<i>For Work In Restricted Working Space, Add</i>	66.54	
			<i>For Owner Furnished Material, Deduct</i>	-2,954.71	
22 11 19 00-0164	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	5,335.40	231.05
			<i>For Work In Restricted Working Space, Add</i>	125.21	
			<i>For Owner Furnished Material, Deduct</i>	-4,918.02	
22 11 19 00-0165	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	10,136.55	346.57
			<i>For Work In Restricted Working Space, Add</i>	187.82	
			<i>For Owner Furnished Material, Deduct</i>	-9,510.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0166	EA	10"	Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,952.91 223.59 -10,207.60	409.92
22 11 19 00-0167			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0146) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 OSY series).		
22 11 19 00-0168	EA	2-1/2"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,226.48 39.95 -2,093.33	99.87
22 11 19 00-0169	EA	3"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,544.63 44.32 -2,396.91	112.35
22 11 19 00-0170	EA	4"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,888.98 66.54 -2,667.19	166.44
22 11 19 00-0171	EA	6"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,587.85 125.21 -4,170.47	231.05
22 11 19 00-0172	EA	8"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,871.52 187.82 -8,245.46	346.57
22 11 19 00-0173	EA	10"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,103.02 223.59 -11,357.71	409.92
22 11 19 00-0174			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0146) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0175	EA	2-1/2"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,901.84 39.95 -1,768.69	99.87
22 11 19 00-0176	EA	3"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,093.38 44.32 -1,945.66	112.35
22 11 19 00-0177	EA	4"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,344.42 66.54 -2,122.63	166.44
22 11 19 00-0178	EA	6"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,736.41 125.21 -3,319.03	231.05
22 11 19 00-0179	EA	8"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,188.06 187.82 -6,562.00	346.57
22 11 19 00-0180	EA	10"	Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,767.11 223.59 -7,021.80	409.92
22 11 19 00-0181			N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0146) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0182	EA	2-1/2"	N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,529.40 39.95 -2,396.25	99.87
22 11 19 00-0183	EA	3"	N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,720.95 44.32 -2,573.23	112.35
22 11 19 00-0184	EA	4"	N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,393.11 66.54 -3,171.32	166.44
22 11 19 00-0185	EA	6"	N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,491.96 125.21 -5,074.58	231.05
22 11 19 00-0186	EA	8"	N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,789.96 187.82 -9,163.90	346.57
22 11 19 00-0187	EA	10"	N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,649.80 223.59 -10,904.49	409.92
22 11 19 00-0188			Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves ^(22 11 19 00-0146) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0189	EA	2-1/2"	Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,777.02 39.95 -1,643.87	99.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0190 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,974.23 44.32 -1,826.51	112.35
22 11 19 00-0191 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,230.88 66.54 -2,009.09	166.44
22 11 19 00-0192 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,647.21 125.21 -3,229.83	231.05
22 11 19 00-0193 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,102.10 187.82 -6,476.04	346.57
22 11 19 00-0194 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,007.11 223.59 -7,261.80	409.92
22 11 19 00-0195 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0146)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0196 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,351.96 39.95 -2,218.81	99.87
22 11 19 00-0197 EA 3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,543.50 44.32 -2,395.78	112.35
22 11 19 00-0198 EA 4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,215.88 66.54 -2,994.09	166.44
22 11 19 00-0199 EA 6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,303.20 125.21 -4,885.82	231.05
22 11 19 00-0200 EA 8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,504.25 187.82 -8,878.19	346.57
22 11 19 00-0201 EA 10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,363.26 223.59 -10,617.95	409.92
22 11 19 00-0202 Double Check Valve Assemblies With Butterfly Shut-Off Valves <small>(22 11 19 00-0146)</small> Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0203 EA 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,072.22 39.95 -1,939.07	99.87
22 11 19 00-0204 EA 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,263.76 44.32 -2,116.04	112.35
22 11 19 00-0205 EA 4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,514.80 66.54 -2,293.01	166.44
22 11 19 00-0206 EA 6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,911.09 125.21 -3,493.71	231.05
22 11 19 00-0207 EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,362.74 187.82 -6,736.68	346.57
22 11 19 00-0208 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs <small>(22 11 19 00-0146)</small> Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0209 EA 2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,699.79 39.95 -2,566.64	99.87
22 11 19 00-0210 EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,891.33 44.32 -2,743.61	112.35
22 11 19 00-0211 EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,563.49 66.54 -3,341.70	166.44
22 11 19 00-0212 EA 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,666.67 125.21 -5,249.29	231.05
22 11 19 00-0213 EA 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,362.74 187.82 -6,736.68	346.57
22 11 19 00-0214 Grooved Double Check Valve Assemblies <small>(22 11 19 00-0130)</small>		
22 11 19 00-0215 Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0214)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0216	EA		2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	1,777.02	53.26
			<i>For Work In Restricted Working Space, Add</i>	39.95	
			<i>For Owner Furnished Material, Deduct</i>	-1,643.87	
22 11 19 00-0217	EA		3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	1,974.23	59.09
			<i>For Work In Restricted Working Space, Add</i>	44.32	
			<i>For Owner Furnished Material, Deduct</i>	-1,826.51	
22 11 19 00-0218			N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0214)		
			Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0219	EA		2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	2,351.96	53.26
			<i>For Work In Restricted Working Space, Add</i>	39.95	
			<i>For Owner Furnished Material, Deduct</i>	-2,218.81	
22 11 19 00-0220	EA		3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	2,543.50	59.09
			<i>For Work In Restricted Working Space, Add</i>	44.32	
			<i>For Owner Furnished Material, Deduct</i>	-2,395.78	
22 11 19 00-0221			Reduced Pressure Zone Backflow Preventer Assemblies (22 11 19 00-0129)		
22 11 19 00-0222			Threaded Reduced Pressure Zone Assemblies (22 11 19 00-0221)		
22 11 19 00-0223			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0222)		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0224	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	247.59	10.48
			<i>For Work In Restricted Working Space, Add</i>	7.86	
			<i>For Owner Furnished Material, Deduct</i>	-221.38	
22 11 19 00-0225	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	261.04	11.57
			<i>For Work In Restricted Working Space, Add</i>	8.68	
			<i>For Owner Furnished Material, Deduct</i>	-232.12	
22 11 19 00-0226	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	305.24	12.11
			<i>For Work In Restricted Working Space, Add</i>	9.08	
			<i>For Owner Furnished Material, Deduct</i>	-274.97	
22 11 19 00-0227	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	409.13	17.17
			<i>For Work In Restricted Working Space, Add</i>	12.88	
			<i>For Owner Furnished Material, Deduct</i>	-366.21	
22 11 19 00-0228	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	484.90	20.96
			<i>For Work In Restricted Working Space, Add</i>	15.72	
			<i>For Owner Furnished Material, Deduct</i>	-432.49	
22 11 19 00-0229	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	739.43	24.40
			<i>For Work In Restricted Working Space, Add</i>	18.30	
			<i>For Owner Furnished Material, Deduct</i>	-678.44	
22 11 19 00-0230	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	779.93	28.01
			<i>For Work In Restricted Working Space, Add</i>	20.87	
			<i>For Owner Furnished Material, Deduct</i>	-710.35	
22 11 19 00-0231	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	933.31	36.15
			<i>For Work In Restricted Working Space, Add</i>	27.11	
			<i>For Owner Furnished Material, Deduct</i>	-842.94	
22 11 19 00-0232			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0222)		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0233	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	274.38	10.48
			<i>For Work In Restricted Working Space, Add</i>	7.86	
			<i>For Owner Furnished Material, Deduct</i>	-248.17	
22 11 19 00-0234	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	289.29	11.57
			<i>For Work In Restricted Working Space, Add</i>	8.68	
			<i>For Owner Furnished Material, Deduct</i>	-260.37	
22 11 19 00-0235	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	343.95	17.17
			<i>For Work In Restricted Working Space, Add</i>	9.08	
			<i>For Owner Furnished Material, Deduct</i>	-313.68	
22 11 19 00-0236	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	469.96	17.17
			<i>For Work In Restricted Working Space, Add</i>	12.88	
			<i>For Owner Furnished Material, Deduct</i>	-427.04	
22 11 19 00-0237	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	560.95	20.96
			<i>For Work In Restricted Working Space, Add</i>	15.72	
			<i>For Owner Furnished Material, Deduct</i>	-508.54	
22 11 19 00-0238	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	843.16	24.40
			<i>For Work In Restricted Working Space, Add</i>	18.30	
			<i>For Owner Furnished Material, Deduct</i>	-782.17	
22 11 19 00-0239	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	926.31	28.01
			<i>For Work In Restricted Working Space, Add</i>	20.87	
			<i>For Owner Furnished Material, Deduct</i>	-856.73	
22 11 19 00-0240	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,112.90	36.15
			<i>For Work In Restricted Working Space, Add</i>	27.11	
			<i>For Owner Furnished Material, Deduct</i>	-1,022.53	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0241			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0222)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0242	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	409.13	17.17
			For Work In Restricted Working Space, Add	12.88	
			For Owner Furnished Material, Deduct	-366.21	
22 11 19 00-0243	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	484.90	20.96
			For Work In Restricted Working Space, Add	15.72	
			For Owner Furnished Material, Deduct	-432.49	
22 11 19 00-0244	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	739.44	24.40
			For Work In Restricted Working Space, Add	18.30	
			For Owner Furnished Material, Deduct	-678.44	
22 11 19 00-0245	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	779.92	28.01
			For Work In Restricted Working Space, Add	20.87	
			For Owner Furnished Material, Deduct	-710.35	
22 11 19 00-0246	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	933.31	36.15
			For Work In Restricted Working Space, Add	27.11	
			For Owner Furnished Material, Deduct	-842.94	
22 11 19 00-0247			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0222)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0248	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	469.96	17.17
			For Work In Restricted Working Space, Add	12.88	
			For Owner Furnished Material, Deduct	-427.04	
22 11 19 00-0249	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	560.95	20.96
			For Work In Restricted Working Space, Add	15.72	
			For Owner Furnished Material, Deduct	-508.54	
22 11 19 00-0250	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	843.16	24.40
			For Work In Restricted Working Space, Add	18.30	
			For Owner Furnished Material, Deduct	-782.17	
22 11 19 00-0251	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	926.31	28.01
			For Work In Restricted Working Space, Add	20.87	
			For Owner Furnished Material, Deduct	-856.73	
22 11 19 00-0252	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,112.90	36.15
			For Work In Restricted Working Space, Add	27.11	
			For Owner Furnished Material, Deduct	-1,022.53	
22 11 19 00-0253			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0222)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0254	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT)	619.62	17.17
			For Work In Restricted Working Space, Add	12.88	
			For Owner Furnished Material, Deduct	-576.70	
22 11 19 00-0255	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT)	733.02	20.96
			For Work In Restricted Working Space, Add	15.72	
			For Owner Furnished Material, Deduct	-680.61	
22 11 19 00-0256	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,129.21	24.40
			For Work In Restricted Working Space, Add	18.30	
			For Owner Furnished Material, Deduct	-1,068.22	
22 11 19 00-0257	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,221.48	28.01
			For Work In Restricted Working Space, Add	20.87	
			For Owner Furnished Material, Deduct	-1,151.90	
22 11 19 00-0258	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,416.99	36.15
			For Work In Restricted Working Space, Add	27.11	
			For Owner Furnished Material, Deduct	-1,326.62	
22 11 19 00-0259			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0222)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 909 QT-S series).		
22 11 19 00-0260	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	701.55	17.17
			For Work In Restricted Working Space, Add	12.88	
			For Owner Furnished Material, Deduct	-658.63	
22 11 19 00-0261	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	834.67	20.96
			For Work In Restricted Working Space, Add	15.72	
			For Owner Furnished Material, Deduct	-782.26	
22 11 19 00-0262	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,270.39	24.40
			For Work In Restricted Working Space, Add	18.30	
			For Owner Furnished Material, Deduct	-1,209.40	
22 11 19 00-0263	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,388.24	28.01
			For Work In Restricted Working Space, Add	20.87	
			For Owner Furnished Material, Deduct	-1,318.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0264	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,651.52 27.11 -1,561.15	36.15
22 11 19 00-0265			Flanged Reduced Pressure Zone Assemblies (22 11 19 00-0221)		
22 11 19 00-0266			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0265) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 009 NRS series).		
22 11 19 00-0267	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,016.26 39.95 -1,883.10	99.87
22 11 19 00-0268	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,271.73 44.32 -2,124.01	112.35
22 11 19 00-0269			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer (22 11 19 00-0265) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 009 NRS-S series).		
22 11 19 00-0270	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,252.26 39.95 -2,119.10	99.87
22 11 19 00-0271	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,549.00 44.32 -2,401.28	112.35
22 11 19 00-0272			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0265) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 009 OSY series).		
22 11 19 00-0273	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,163.68 39.95 -2,030.52	99.87
22 11 19 00-0274	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,517.59 44.32 -2,369.87	112.35
22 11 19 00-0275			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0265) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts 009 QT-FDA series).		
22 11 19 00-0276	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,563.22 39.95 -2,430.06	99.87
22 11 19 00-0277	EA		3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,933.11 44.32 -2,785.39	112.35
22 11 19 00-0278			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0265) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts FAE 909 QT series).		
22 11 19 00-0279	EA		1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	952.13 24.97 -868.91	62.42
22 11 19 00-0280	EA		1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,052.70 29.34 -954.91	72.82
22 11 19 00-0281	EA		2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,247.03 34.33 -1,132.60	85.30
22 11 19 00-0282			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0265) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, iron body strainers, and captured spring assemblies (Watts FAE 909 QT-S series).		
22 11 19 00-0283	EA		1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,040.35 24.97 -957.13	62.42
22 11 19 00-0284	EA		1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,336.37 29.34 -1,238.58	72.82
22 11 19 00-0285	EA		2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,400.17 34.33 -1,285.74	85.30
22 11 19 00-0286			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0265) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 909 NRS series).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0287 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,540.80 39.95 -2,407.65	99.87
22 11 19 00-0288 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,866.48 44.32 -2,718.75	112.35
22 11 19 00-0289 EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,524.39 66.54 -3,302.58	166.44
22 11 19 00-0290 EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,843.25 175.31 -5,258.90	231.05
22 11 19 00-0291 EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,086.51 262.96 -9,209.97	346.57
22 11 19 00-0292 EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,986.20 223.59 -12,240.89	409.92
22 11 19 00-0293 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0265)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 909 NRS-S series).		
22 11 19 00-0294 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,757.80 39.95 -2,624.65	99.87
22 11 19 00-0295 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,122.20 44.32 -2,974.48	112.35
22 11 19 00-0296 EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,017.36 66.54 -3,795.57	166.44
22 11 19 00-0297 EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,613.25 125.21 -6,195.87	231.05
22 11 19 00-0298 EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,412.86 187.82 -10,786.80	346.57
22 11 19 00-0299 EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,696.76 223.59 -14,951.45	409.92
22 11 19 00-0300 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0265)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 909 OSY series).		
22 11 19 00-0301 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,630.17 39.95 -2,497.02	99.87
22 11 19 00-0302 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,053.06 44.32 -2,905.33	112.35
22 11 19 00-0303 EA 4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,630.25 66.54 -3,408.44	166.44
22 11 19 00-0304 EA 6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,842.22 125.21 -5,424.84	231.05
22 11 19 00-0305 EA 8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,099.47 187.82 -9,473.41	346.57
22 11 19 00-0306 EA 10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	14,340.43 223.59 -13,595.12	409.92
22 11 19 00-0307 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0265)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 NRS BB series).		
22 11 19 00-0308 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,342.24 39.95 -4,209.08	99.87
22 11 19 00-0309 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,900.67 44.32 -4,752.95	112.35
22 11 19 00-0310 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0265)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 OSY BB series).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0311 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series).....	4,543.89	99.87
For Work In Restricted Working Space, Add	39.95	
For Owner Furnished Material, Deduct	-4,410.73	
22 11 19 00-0312 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series).....	5,279.72	112.35
For Work In Restricted Working Space, Add	44.32	
For Owner Furnished Material, Deduct	-5,132.00	
22 11 19 00-0313 Double Check Detector Assemblies (22 11 19 00-0129)		
22 11 19 00-0314 Flanged Double Check Detector Assemblies With Meter (22 11 19 00-0313)		
22 11 19 00-0315 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0314)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0316 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	3,803.62	112.35
For Work In Restricted Working Space, Add	44.32	
For Owner Furnished Material, Deduct	-3,655.90	
22 11 19 00-0317 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	3,962.52	166.44
For Work In Restricted Working Space, Add	66.54	
For Owner Furnished Material, Deduct	-3,740.73	
22 11 19 00-0318 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	5,274.85	231.05
For Work In Restricted Working Space, Add	125.21	
For Owner Furnished Material, Deduct	-4,857.47	
22 11 19 00-0319 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	9,406.21	346.57
For Work In Restricted Working Space, Add	187.82	
For Owner Furnished Material, Deduct	-8,780.15	
22 11 19 00-0320 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	12,744.82	409.92
For Work In Restricted Working Space, Add	223.59	
For Owner Furnished Material, Deduct	-11,999.51	
22 11 19 00-0321 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0314)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0322 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	2,841.58	99.87
For Work In Restricted Working Space, Add	39.95	
For Owner Furnished Material, Deduct	-2,708.42	
22 11 19 00-0323 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	3,032.93	112.35
For Work In Restricted Working Space, Add	44.32	
For Owner Furnished Material, Deduct	-2,885.21	
22 11 19 00-0324 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	3,288.15	166.44
For Work In Restricted Working Space, Add	66.54	
For Owner Furnished Material, Deduct	-3,066.36	
22 11 19 00-0325 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	4,399.02	231.05
For Work In Restricted Working Space, Add	125.21	
For Owner Furnished Material, Deduct	-3,981.64	
22 11 19 00-0326 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	7,823.23	346.57
For Work In Restricted Working Space, Add	187.82	
For Owner Furnished Material, Deduct	-7,197.17	
22 11 19 00-0327 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	9,222.62	409.92
For Work In Restricted Working Space, Add	223.59	
For Owner Furnished Material, Deduct	-8,477.31	
22 11 19 00-0328 Double Check Detector Assembly With Butterfly Valves And Meter (22 11 19 00-0314)		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0329 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	3,012.00	99.87
For Work In Restricted Working Space, Add	39.95	
For Owner Furnished Material, Deduct	-2,878.84	
22 11 19 00-0330 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	3,203.35	112.35
For Work In Restricted Working Space, Add	44.32	
For Owner Furnished Material, Deduct	-3,055.63	
22 11 19 00-0331 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	3,458.54	166.44
For Work In Restricted Working Space, Add	66.54	
For Owner Furnished Material, Deduct	-3,236.75	
22 11 19 00-0332 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	4,573.70	231.05
For Work In Restricted Working Space, Add	125.21	
For Owner Furnished Material, Deduct	-4,156.32	
22 11 19 00-0333 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	7,613.65	346.57
For Work In Restricted Working Space, Add	187.82	
For Owner Furnished Material, Deduct	-6,987.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0334 Flanged Double Check Detector Assemblies Without Meter <small>(22 11 19 00-0313)</small>		
22 11 19 00-0335 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter <small>(22 11 19 00-0334)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0336 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	2,787.77	99.87
For Work In Restricted Working Space, Add	39.95	
22 11 19 00-0337 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	2,979.14	112.35
For Work In Restricted Working Space, Add	44.32	
22 11 19 00-0338 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,234.37	166.44
For Work In Restricted Working Space, Add	66.54	
22 11 19 00-0339 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,345.23	231.05
For Work In Restricted Working Space, Add	125.21	
22 11 19 00-0340 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,769.48	346.57
For Work In Restricted Working Space, Add	187.82	
22 11 19 00-0341 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,168.79	409.92
For Work In Restricted Working Space, Add	223.59	
22 11 19 00-0342 Double Check Detector Assembly With Butterfly Valves Less Meter <small>(22 11 19 00-0334)</small> Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0343 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	2,958.18	99.87
For Work In Restricted Working Space, Add	39.95	
22 11 19 00-0344 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,149.52	112.35
For Work In Restricted Working Space, Add	44.32	
22 11 19 00-0345 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,404.75	166.44
For Work In Restricted Working Space, Add	66.54	
22 11 19 00-0346 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,519.87	231.05
For Work In Restricted Working Space, Add	125.21	
22 11 19 00-0347 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,944.16	346.57
For Work In Restricted Working Space, Add	187.82	
22 11 19 00-0348 Backflow Preventer Accessories <small>(22 11 19 00-0129)</small>		
22 11 19 00-0349 Air Gap <small>(22 11 19 00-0348)</small>		
22 11 19 00-0350 EA Up To 1" Diameter Air Gap For Backflow Preventer	61.95	5.65
22 11 19 00-0351 EA 1-1/4" To 2" Diameter Air Gap For Backflow Preventer	76.35	6.78
22 11 19 00-0352 EA 2-1/2" To 3" Diameter Air Gap For Backflow Preventer	145.89	9.04
22 11 19 00-0353 EA 4" To 6" Diameter Air Gap For Backflow Preventer	289.99	15.81
22 11 19 00-0354 EA 8" To 10" Diameter Air Gap For Backflow Preventer	303.55	22.59
22 11 19 00-0355 Brass Test Cocks <small>(22 11 19 00-0348)</small>		
22 11 19 00-0356 EA 1/8" Or 1/4" Brass Test Cock	19.55	2.26
22 11 19 00-0357 Backflow Valve Enclosures <small>(22 11 19 00-0129)</small>		
22 11 19 00-0358 Flip-Top, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0357)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0359 EA 19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	596.23	40.66
For Heated Enclosure, Add	79.27	
22 11 19 00-0360 EA 27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	744.10	40.66
For Heated Enclosure, Add	101.45	
22 11 19 00-0361 EA 27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	959.90	37.45
For Heated Enclosure, Add	134.62	
22 11 19 00-0362 EA 33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	984.56	49.93
For Heated Enclosure, Add	135.20	
22 11 19 00-0363 EA 39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,034.70	49.93
For Heated Enclosure, Add	142.72	
22 11 19 00-0364 EA 47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,230.14	49.93
For Heated Enclosure, Add	172.04	
22 11 19 00-0365 EA 39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,235.29	49.93
For Heated Enclosure, Add	172.81	
22 11 19 00-0366 EA 47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,568.31	49.93
For Heated Enclosure, Add	222.76	
22 11 19 00-0367 EA 70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,659.47	74.90
For Heated Enclosure, Add	530.20	
22 11 19 00-0368 EA 83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,339.99	74.90
For Heated Enclosure, Add	782.27	
22 11 19 00-0369 EA 70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,069.98	74.90
For Heated Enclosure, Add	741.77	
22 11 19 00-0370 EA 83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	6,107.85	87.38
For Heated Enclosure, Add	894.33	

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0371			One-Piece Drop Over, Insulated Fiberglass Valve Enclosures (22 11 19 00-0357) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0372	EA		20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	339.52	10.84
			<i>For Heated Enclosure, Add</i>	64.29	
22 11 19 00-0373	EA		27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	475.81	10.84
			<i>For Heated Enclosure, Add</i>	91.55	
22 11 19 00-0374	EA		38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	600.40	9.99
			<i>For Heated Enclosure, Add</i>	116.75	
22 11 19 00-0375	EA		47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	911.56	9.99
			<i>For Heated Enclosure, Add</i>	178.98	
22 11 19 00-0376	EA		70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,366.20	18.72
			<i>For Heated Enclosure, Add</i>	467.00	
22 11 19 00-0377	EA		83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	3,236.68	18.72
			<i>For Heated Enclosure, Add</i>	641.09	
22 11 19 00-0378	EA		45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,150.19	18.72
			<i>For Heated Enclosure, Add</i>	423.80	
22 11 19 00-0379	EA		53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,435.64	18.72
			<i>For Heated Enclosure, Add</i>	480.89	
22 11 19 00-0380	EA		61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	3,820.43	18.72
			<i>For Heated Enclosure, Add</i>	757.84	
22 11 19 00-0381			Sectional, Insulated Aluminum Valve Enclosures (22 11 19 00-0357) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0382	EA		70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure.....	4,779.82	81.33
			<i>For Heated Enclosure, Add</i>	696.64	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0383	EA		83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure.....	5,277.42	81.33
			<i>For Heated Enclosure, Add</i>	771.28	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0384	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure.....	3,719.90	74.90
			<i>For Heated Enclosure, Add</i>	539.26	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0385	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure.....	4,087.63	74.90
			<i>For Heated Enclosure, Add</i>	594.42	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0386	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	4,742.57	99.87
			<i>For Heated Enclosure, Add</i>	686.42	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0387	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	5,331.46	99.87
			<i>For Heated Enclosure, Add</i>	774.75	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0388	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	5,331.46	99.87
			<i>For Heated Enclosure, Add</i>	774.75	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0389	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	5,902.35	99.87
			<i>For Heated Enclosure, Add</i>	860.39	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0390	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure.....	4,418.32	87.38
			<i>For Heated Enclosure, Add</i>	640.90	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0391	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure.....	5,175.88	99.87
			<i>For Heated Enclosure, Add</i>	751.42	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0392	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure.....	6,066.93	99.87
			<i>For Heated Enclosure, Add</i>	885.07	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0393	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure.....	6,663.66	106.11
			<i>For Heated Enclosure, Add</i>	973.02	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0394	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure.....	6,826.70	115.21
			<i>For Heated Enclosure, Add</i>	995.20	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0395	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure.....	7,573.47	121.99
			<i>For Heated Enclosure, Add</i>	1,105.52	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	
22 11 19 00-0396	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure.....	7,851.84	112.35
			<i>For Heated Enclosure, Add</i>	1,149.69	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	453.26	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	811.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0397	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,681.19 827.21 453.26 811.10	99.87
22 11 19 00-0398	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,063.07 884.49 453.26 811.10	99.87
22 11 19 00-0399	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,868.10 1,003.69 453.26 811.10	106.11
22 11 19 00-0400	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,341.73 1,223.17 453.26 811.10	112.35
22 11 19 00-0401	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,262.95 1,061.36 453.26 811.10	49.93
22 11 19 00-0402	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,745.58 1,282.19 453.26 811.10	49.93
22 11 19 00-0403	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,451.14 1,238.02 453.26 811.10	74.90
22 11 19 00-0404	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,813.02 1,439.18 453.26 811.10	74.90
22 11 19 00-0405	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,050.43 1,326.36 453.26 811.10	74.90
22 11 19 00-0406	EA		172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,587.18 1,553.75 453.26 811.10	87.38
22 11 19 00-0407	EA		142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,607.98 1,553.75 453.26 811.10	74.90
22 11 19 00-0408	EA		172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,602.48 1,849.80 453.26 811.10	74.90
22 11 19 00-0409			Faucets (Hose Bibbs) <small>(22 11 19)</small>		
22 11 19 00-0410			Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends <small>(22 11 19 00-0409)</small>		
22 11 19 00-0411	EA		1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	24.93	4.51
22 11 19 00-0412	EA		3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	28.73	4.97
22 11 19 00-0413	EA		3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	10.68	3.39
22 11 19 00-0414			Antisiphon Freezeless Wall Faucet <small>(22 11 19 00-0409)</small>		
22 11 19 00-0415	EA		4" Long, 1/2" Antisiphon Freezeless Wall Faucet	71.85	11.30
22 11 19 00-0416	EA		6" Long, 1/2" Antisiphon Freezeless Wall Faucet	77.16	12.51
22 11 19 00-0417	EA		8" Long, 1/2" Antisiphon Freezeless Wall Faucet	81.32	13.24
22 11 19 00-0418	EA		10" Long, 1/2" Antisiphon Freezeless Wall Faucet	85.48	14.18
22 11 19 00-0419	EA		12" Long, 1/2" Antisiphon Freezeless Wall Faucet	89.68	15.04
22 11 19 00-0420			Escutcheons <small>(22 11 19)</small>		
22 11 19 00-0421			Brass Escutcheons <small>(22 11 19 00-0420)</small>		
22 11 19 00-0422			Shallow Brass Escutcheons <small>(22 11 19 00-0421)</small>		
22 11 19 00-0423	EA		3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	8.25	1.13
22 11 19 00-0424	EA		1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	9.14	1.13
22 11 19 00-0425			Deep Bell Brass Escutcheons <small>(22 11 19 00-0421)</small>		
22 11 19 00-0426	EA		3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	10.29	1.27
22 11 19 00-0427	EA		1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	10.32	1.27
22 11 19 00-0428			Chrome Plated Brass Escutcheons With Setscrew <small>(22 11 19 00-0421)</small>		
22 11 19 00-0429	EA		3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	10.81	1.13
22 11 19 00-0430	EA		1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	10.93	1.13
22 11 19 00-0431	EA		5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	11.12	1.13
22 11 19 00-0432	EA		3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	11.78	1.13
22 11 19 00-0433	EA		7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	11.92	1.36
22 11 19 00-0434	EA		1" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.57	1.36



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0435	EA		1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.98	1.49
22 11 19 00-0436	EA		1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.53	1.58
22 11 19 00-0437	EA		2" IPS, Chrome Plated Brass Escutcheon With Setscrew	19.77	1.81
22 11 19 00-0438			Plastic Escutcheons (22 11 19 00-0420)		
22 11 19 00-0439			Split-Ring White Plastic Escutcheons (22 11 19 00-0438)		
22 11 19 00-0440	EA		3/8" IPS, Split-Ring White Plastic Escutcheon	2.50	1.12
22 11 19 00-0441	EA		1/2" IPS, Split-Ring White Plastic Escutcheon	2.50	1.12
22 11 19 00-0442	EA		3/4" IPS, Split-Ring White Plastic Escutcheon	2.84	1.26
22 11 19 00-0443	EA		1" IPS, Split-Ring White Plastic Escutcheon	3.08	1.35
22 11 19 00-0444	EA		1-1/4" IPS, Split-Ring White Plastic Escutcheon	3.33	1.48
22 11 19 00-0445	EA		1-1/2" IPS, Split-Ring White Plastic Escutcheon	3.57	1.57
22 11 19 00-0446	EA		2" IPS, Split-Ring White Plastic Escutcheon	4.06	1.79
22 11 19 00-0447	EA		2-1/2" IPS, Split-Ring White Plastic Escutcheon	4.80	1.94
22 11 19 00-0448	EA		3" IPS, Split-Ring White Plastic Escutcheon	5.55	2.03
22 11 19 00-0449	EA		4" IPS, Split-Ring White Plastic Escutcheon	6.52	2.25
22 11 19 00-0450			Chrome Plate Plastic Escutcheons (22 11 19 00-0438)		
22 11 19 00-0451	EA		1/2" IPS, Chrome Plate Plastic Escutcheon	2.93	1.12
22 11 19 00-0452	EA		3/4" IPS, Chrome Plate Plastic Escutcheon	3.21	1.26
22 11 19 00-0453	EA		1" IPS, Chrome Plate Plastic Escutcheon	3.56	1.35
22 11 19 00-0454	EA		1-1/4" IPS, Chrome Plate Plastic Escutcheon	3.91	1.48
22 11 19 00-0455	EA		1-1/2" IPS, Chrome Plate Plastic Escutcheon	4.15	1.57
22 11 19 00-0456	EA		2" IPS, Chrome Plate Plastic Escutcheon	5.06	1.79
22 11 19 00-0457	EA		2-1/2" IPS, Chrome Plate Plastic Escutcheon	6.60	1.94
22 11 19 00-0458	EA		3" IPS, Chrome Plate Plastic Escutcheon	6.88	2.03
22 11 19 00-0459	EA		4" IPS, Chrome Plate Plastic Escutcheon	7.44	2.25
22 11 19 00-0460			Stainless Steel Escutcheons (22 11 19 00-0420)		
22 11 19 00-0461			Shallow Stainless Steel Escutcheons (22 11 19 00-0460)		
22 11 19 00-0462	EA		3/8" IPS, Shallow Stainless Steel Escutcheon	9.12	1.13
22 11 19 00-0463	EA		1/2" IPS, Shallow Stainless Steel Escutcheon	9.12	1.13
22 11 19 00-0464	EA		3/4" IPS, Shallow Stainless Steel Escutcheon	13.49	1.27
22 11 19 00-0465			Chrome Plated Steel Escutcheons (22 11 19 00-0420)		
22 11 19 00-0466			Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0465)		
22 11 19 00-0467	EA		1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	2.63	1.12
22 11 19 00-0468	EA		3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	2.85	1.26
22 11 19 00-0469	EA		1" IPS, Split-Ring Chrome Plated Steel Escutcheon	3.14	1.35
22 11 19 00-0470	EA		1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	3.37	1.48
22 11 19 00-0471	EA		1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	3.59	1.57
22 11 19 00-0472	EA		2" IPS, Split-Ring Chrome Plated Steel Escutcheon	4.16	1.79
22 11 19 00-0473	EA		2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.92	1.94
22 11 19 00-0474	EA		3" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.35	2.03
22 11 19 00-0475	EA		3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.35	2.16
22 11 19 00-0476	EA		4" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.98	2.25
22 11 19 00-0477	EA		5" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.64	2.47
22 11 19 00-0478	EA		6" IPS, Split-Ring Chrome Plated Steel Escutcheon	12.57	2.69
22 11 19 00-0479			Keyed, Recessed Valve Boxes (22 11 19)		
22 11 19 00-0480	EA		8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	188.89	13.47
22 11 19 00-0481	EA		8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	212.02	13.47
22 11 19 00-0482	EA		8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	246.72	13.47
22 11 19 00-0483	EA		12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	232.57	17.97
22 11 19 00-0484	EA		12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	267.27	17.97
22 11 19 00-0485	EA		12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	277.68	17.97
22 11 19 00-0486	EA		8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	225.90	13.47
22 11 19 00-0487	EA		8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	276.80	13.47
22 11 19 00-0488	EA		8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	321.91	13.47
22 11 19 00-0489	EA		12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	297.34	17.97
22 11 19 00-0490	EA		12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	342.45	17.97
22 11 19 00-0491	EA		12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	359.80	17.97
22 11 23			Domestic Water Pumps (22 11)		
22 11 23 13			Domestic Water Packaged Booster Pumps And Tanks (22 11 23)		
			Note: Includes motor starter and controls.		
22 11 23 13-0001			Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)		
22 11 23 13-0002	EA		1 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,268.86	133.16
22 11 23 13-0003	EA		1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,504.46	178.92
22 11 23 13-0004	EA		2 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,800.62	224.70
22 11 23 13-0005	EA		3 HP Simplex Domestic Water Packaged Booster Pump And Tank	9,066.51	270.47
22 11 23 13-0006	EA		5 HP Simplex Domestic Water Packaged Booster Pump And Tank	9,998.77	316.25
22 11 23 13-0007	EA		7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	11,082.47	362.01
22 11 23 13-0008	EA		10 HP Simplex Domestic Water Packaged Booster Pump And Tank	11,802.71	407.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 23 13-0009	Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11)		
22 11 23 13-0010	EA 100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	21,863.99	542.75
22 11 23 13-0011	EA 200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	26,505.92	576.68
22 11 23 13-0012	EA 300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	31,167.16	610.60

22 11 23 13-0013	Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11)		
22 11 23 13-0014	EA 200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	29,088.14	576.68
22 11 23 13-0015	EA 300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	36,455.41	610.60
22 11 23 13-0016	EA 500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	45,490.91	678.45
22 11 23 13-0017	EA 750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	57,883.67	746.29
22 11 23 13-0018	EA 1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	70,276.43	814.13
22 11 23 13-0019	EA 1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	81,942.99	915.90
22 11 23 13-0020	EA 2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	93,609.54	1,017.67
22 11 23 13-0021	EA 3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	105,276.10	1,119.43
22 11 23 13-0022	EA 5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	117,027.45	1,255.13

22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)

22 11 23 23-0001	Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)		
	Note: ODP motor.		
22 11 23 23-0002	EA 1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	502.91	74.90
22 11 23 23-0003	EA 1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	517.77	74.90
22 11 23 23-0004	EA 1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	543.32	76.35
22 11 23 23-0005	EA 1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	602.13	79.47
22 11 23 23-0006	EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	1,161.01	101.65
22 11 23 23-0007	EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	1,239.88	101.65
22 11 23 23-0008	EA 1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	1,861.38	111.92
22 11 23 23-0009	EA 1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	1,939.76	122.95
22 11 23 23-0010	EA 1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	2,351.28	135.27
22 11 23 23-0011	EA 1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	2,400.99	148.87
22 11 23 23-0012	EA 3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	2,625.57	163.51
22 11 23 23-0013	EA 1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	3,773.87	179.94
22 11 23 23-0014	EA 1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	4,351.17	188.66

22 11 23 23-0015	Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)		
	Note: ODP motor.		
22 11 23 23-0016	EA 1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	508.21	74.90
22 11 23 23-0017	EA 1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	879.98	74.90
22 11 23 23-0018	EA 1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	882.99	76.35
22 11 23 23-0019	EA 1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	898.26	78.02
22 11 23 23-0020	EA 1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	901.16	79.47
22 11 23 23-0021	EA 1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	955.73	101.65
22 11 23 23-0022	EA 1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	1,169.10	111.92
22 11 23 23-0023	EA 1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	1,509.50	135.27
22 11 23 23-0024	EA 1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	1,589.42	148.87
22 11 23 23-0025	EA 3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	1,857.08	163.51
22 11 23 23-0026	EA 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	2,509.39	179.94
22 11 23 23-0027	EA 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	2,936.86	188.66
22 11 23 23-0028	EA 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	2,745.14	198.16
22 11 23 23-0029	EA 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	2,949.92	217.82
22 11 23 23-0030	EA 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,240.87	231.01
22 11 23 23-0031	EA 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,115.77	256.68
22 11 23 23-0032	EA 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,358.04	308.07
22 11 23 23-0033	EA 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	5,566.19	359.52

22 12 Facility Potable-Water Storage Tanks (22 10)

22 12 19	Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)		
22 12 19 00-0001	Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)		
22 12 19 00-0002	EA 5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	19,641.37	4,288.89
22 12 19 00-0003	EA 10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	22,459.45	4,288.89
22 12 19 00-0004	EA 20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	40,791.91	6,618.67
22 12 19 00-0005	EA 35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	52,642.55	8,577.78
22 12 19 00-0006	Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)		
22 12 19 00-0007	EA 5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	23,816.31	4,288.89
22 12 19 00-0008	EA 10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	33,627.42	4,288.89
22 12 19 00-0009	EA 20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	50,037.88	6,618.67
22 12 19 00-0010	EA 35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	72,398.17	8,577.78

22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)

22 12 23 13	Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)		
22 12 23 13-0001	Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	1,608.41	166.44
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	1,988.94	208.05
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	3,976.25	228.86
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	4,404.04	249.66
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	9,191.83	270.47
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	7,805.76	291.27
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	13,769.06	312.08
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	12,599.53	332.88
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	13,703.13	353.69
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	16,419.43	374.49
22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)				
22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	1,329.18	166.44
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	2,775.39	208.05
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	3,532.18	228.86
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	4,431.52	249.66
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	3,689.59	249.66
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	5,933.68	270.47
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	6,424.69	291.27
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	6,087.64	291.27
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	5,504.60	291.27
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	7,702.16	312.08
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	8,366.54	332.88
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	9,778.04	353.69
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	18,915.94	374.49
22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)				
22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)				
Note: Excludes excavation and backfill.				
22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	326.09	93.63
		<i>For Saddle Assembly, Add</i>	369.63	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	382.21	109.23
		<i>For Saddle Assembly, Add</i>	369.63	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	455.97	124.83
		<i>For Saddle Assembly, Add</i>	429.66	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	561.52	140.43
		<i>For Saddle Assembly, Add</i>	663.88	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	680.02	156.04
		<i>For Two Tie Down Bands, Add</i>	207.96	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	887.22	223.25
		<i>For Two Tie Down Bands, Add</i>	224.44	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,357.35	260.46
		<i>For Three Tie Down Bands, Add</i>	389.62	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,991.71	297.66
		<i>For Three Tie Down Bands, Add</i>	393.15	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,501.52	334.88
		<i>For Four Tie Down Bands, Add</i>	533.62	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,938.91	372.08
		<i>For Four Tie Down Bands, Add</i>	773.72	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,253.26	409.29
		<i>For Four Tie Down Bands, Add</i>	1,037.37	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,938.45	446.49
		<i>For Four Tie Down Bands, Add</i>	1,126.82	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	7,113.18	595.33
		<i>For Four Tie Down Bands, Add</i>	1,282.19	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,276.40	595.33
		<i>For Five Tie Down Bands, Add</i>	2,032.34	
22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)				
22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	344.16	124.83
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	424.01	132.63
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	468.54	140.43
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	575.26	156.04
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	651.01	187.25
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	770.30	218.46
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	1,107.79	297.66
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	1,440.05	372.08
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	1,958.28	446.49
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,587.15	520.91
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,878.68	595.33
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,309.08	669.74
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	6,025.06	744.16
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	6,639.80	818.57
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	7,671.21	892.99



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0032	EA		9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,682.61	967.40
22 12 23 26-0033	EA		10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	10,812.15	1,041.83
22 12 23 26-0034	EA		12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	13,035.03	1,190.66

22 13 Facility Sanitary Sewerage (22 10)

22 13 13 Facility Sanitary Sewers (22 13)

22 13 13 00-0001 Fixture Rough-In (22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0345 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA		Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	521.22	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0004	EA		Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	742.71	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0005	EA		Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	465.28	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0006	EA		Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	311.40	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0007	EA		Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	367.90	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0008	EA		Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	456.19	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0009	EA		Bathub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	496.28	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0010	EA		Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	298.01	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0011	EA		Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	465.28	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0012	EA		Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	471.40	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0013	EA		Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	450.58	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0014	EA		Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	521.22	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0015	EA		Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	821.84	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0016	EA		Bathub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	506.70	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		

22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018	EA		Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	697.10	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0019	EA		Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	995.23	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0020	EA		Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	600.23	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0021	EA		Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	383.35	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0022	EA		Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	496.26	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0023	EA		Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	529.01	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0024	EA		Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	358.27	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0025	EA		Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	604.38	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0026	EA		Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	502.74	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0027	EA		Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	492.34	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.		
22 13 13 00-0028	EA		Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	697.10	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 13 00-0029			Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA		Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....348.35 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	348.35	
22 13 13 00-0031	EA		Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....497.61 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	497.61	
22 13 13 00-0032	EA		Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....300.32 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	300.32	
22 13 13 00-0033	EA		Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....191.89 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	191.89	
22 13 13 00-0034	EA		Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....248.14 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	248.14	
22 13 13 00-0035	EA		Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....264.49 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	264.49	
22 13 13 00-0036	EA		Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....189.53 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	189.53	
22 13 13 00-0037	EA		Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet .....301.99 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	301.99	
22 13 13 00-0038	EA		Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....251.36 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	251.36	
22 13 13 00-0039	EA		Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....246.37 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	246.37	
22 13 13 00-0040	EA		Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....345.44 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	345.44	
22 13 13 00-0041			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA		Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....207.19 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	207.19	
22 13 13 00-0043	EA		Wall Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....212.21 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	212.21	
22 13 13 00-0044	EA		Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....199.63 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	199.63	
22 13 13 00-0045	EA		Wall Mounted Urinal, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....117.32 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	117.32	
22 13 13 00-0046	EA		Wall Mounted Lavatory, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....137.22 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	137.22	
22 13 13 00-0047	EA		Countertop Kitchen Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....190.71 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	190.71	
22 13 13 00-0048	EA		Bathub, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....189.92 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	189.92	
22 13 13 00-0049	EA		Free Standing Water Cooler, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....117.07 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	117.07	
22 13 13 00-0050	EA		Floor Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....199.63 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	199.63	
22 13 13 00-0051	EA		Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....214.35 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	214.35	
22 13 13 00-0052	EA		Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....196.10 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	196.10	
22 13 13 00-0053	EA		Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....207.14 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	207.14	
22 13 13 00-0054	EA		Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....318.31 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	318.31	
22 13 13 00-0055	EA		Bathub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....199.03 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	199.03	
22 13 13 00-0056			Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA		Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....246.16 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	246.16	
22 13 13 00-0058	EA		Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....276.39 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	276.39	
22 13 13 00-0059	EA		Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....214.61 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	214.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0060 EA Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 126.97 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	126.97	
22 13 13 00-0061 EA Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 192.96 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	192.96	
22 13 13 00-0062 EA Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 200.49 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	200.49	
22 13 13 00-0063 EA Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 125.16 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	125.16	
22 13 13 00-0064 EA Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 218.30 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	218.30	
22 13 13 00-0065 EA Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 218.55 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	218.55	
22 13 13 00-0066 EA Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 209.26 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	209.26	
22 13 13 00-0067 EA Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 246.16 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	246.16	
22 13 13 00-0068 Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 13 00-0001) Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 122.90 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	122.90	
22 13 13 00-0070 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 137.99 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	137.99	
22 13 13 00-0071 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 107.43 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	107.43	
22 13 13 00-0072 EA Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 63.51 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	63.51	
22 13 13 00-0073 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 96.48 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	96.48	
22 13 13 00-0074 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 100.14 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	100.14	
22 13 13 00-0075 EA Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 62.57 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	62.57	
22 13 13 00-0076 EA Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 109.12 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	109.12	
22 13 13 00-0077 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 109.29 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	109.29	
22 13 13 00-0078 EA Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 104.81 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	104.81	
22 13 13 00-0079 EA Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 120.14 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	120.14	
22 13 16 Sanitary Waste And Vent Piping ^(22 13)		
22 13 16 00-0001 Cast Iron Soil Pipe Assemblies ^(22 13 16)		
22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies ^(22 13 16 00-0001) Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003 LF 2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly 16.84 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	16.84	2.62
<i>For Work In Restricted Working Space, Add</i>	1.92	
22 13 16 00-0004 LF 3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly 24.31 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	24.31	3.95
<i>For Work In Restricted Working Space, Add</i>	2.61	
22 13 16 00-0005 LF 4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly 31.60 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	31.60	5.04
<i>For Work In Restricted Working Space, Add</i>	3.36	
22 13 16 00-0006 LF 5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly 37.21 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	37.21	5.81
<i>For Work In Restricted Working Space, Add</i>	3.27	
22 13 16 00-0007 LF 6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly 44.15 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	44.15	6.34
<i>For Work In Restricted Working Space, Add</i>	3.63	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0008	LF		8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	71.58 5.14	9.08
22 13 16 00-0009	LF		10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	108.70 5.82	9.08
22 13 16 00-0010			Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001) Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF		1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	12.57 2.09	2.49
22 13 16 00-0012	LF		2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	13.30 2.25	2.66
22 13 16 00-0013	LF		3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	17.48 2.88	3.87
22 13 16 00-0014	LF		4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	21.63 3.56	5.04
22 13 16 00-0015	LF		5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	33.94 5.44	5.70
22 13 16 00-0016	LF		6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	37.92 5.82	6.23
22 13 16 00-0017	LF		8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	62.43 9.38	9.01
22 13 16 00-0018	LF		10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	73.95 6.83	10.23
22 13 16 00-0019			Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020			Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF		2" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.31 3.51 0.20 1.19	2.62
22 13 16 00-0022	LF		3" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.92 5.03 0.30 1.79	3.95
22 13 16 00-0023	LF		4" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.13 6.54 0.38 2.27	5.04
22 13 16 00-0024	LF		5" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.66 9.22 0.44 2.61	5.81
22 13 16 00-0025	LF		6" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.23 11.23 0.47 2.85	6.34
22 13 16 00-0026	LF		8" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.21 17.47 0.68 4.09	9.08
22 13 16 00-0027	LF		10" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.58 29.09 0.77 4.60	10.23
22 13 16 00-0028	LF		12" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.02 42.25 1.02 6.13	13.64
22 13 16 00-0029	LF		15" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.55 61.75 1.23 7.36	16.36



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0030			Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031			Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep.....	55.57	11.95
			For Extra Heavy Fittings, Add	13.19	
			For Above Ground Cast Iron Pipe Installation, Add	0.89	
			For Work In Restricted Working Space, Add	5.37	
22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep.....	98.94	15.03
			For Extra Heavy Fittings, Add	26.76	
			For Above Ground Cast Iron Pipe Installation, Add	1.12	
			For Work In Restricted Working Space, Add	6.75	
22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep.....	131.84	19.97
			For Extra Heavy Fittings, Add	35.67	
			For Above Ground Cast Iron Pipe Installation, Add	1.50	
			For Work In Restricted Working Space, Add	8.98	
22 13 16 00-0035	EA		6" Bell And Spigot Cast Iron Long Sweep.....	208.44	24.59
			For Extra Heavy Fittings, Add	60.05	
			For Above Ground Cast Iron Pipe Installation, Add	1.84	
			For Work In Restricted Working Space, Add	11.06	
22 13 16 00-0036	EA		8" Bell And Spigot Cast Iron Long Sweep.....	430.55	31.95
			For Extra Heavy Fittings, Add	133.93	
			For Above Ground Cast Iron Pipe Installation, Add	2.40	
			For Work In Restricted Working Space, Add	14.37	
22 13 16 00-0037	EA		10" Bell And Spigot Cast Iron Long Sweep.....	593.41	39.32
			For Extra Heavy Fittings, Add	187.06	
			For Above Ground Cast Iron Pipe Installation, Add	2.95	
			For Work In Restricted Working Space, Add	17.69	
22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep.....	915.55	54.87
			For Extra Heavy Fittings, Add	291.65	
			For Above Ground Cast Iron Pipe Installation, Add	4.11	
			For Work In Restricted Working Space, Add	24.68	
22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep.....	1,726.18	76.41
			For Extra Heavy Fittings, Add	564.07	
			For Above Ground Cast Iron Pipe Installation, Add	5.73	
			For Work In Restricted Working Space, Add	34.37	
22 13 16 00-0040			Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep.....	45.62	11.95
			For Extra Heavy Fittings, Add	9.71	
			For Above Ground Cast Iron Pipe Installation, Add	0.89	
			For Work In Restricted Working Space, Add	5.37	
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep.....	82.25	15.03
			For Extra Heavy Fittings, Add	20.92	
			For Above Ground Cast Iron Pipe Installation, Add	1.12	
			For Work In Restricted Working Space, Add	6.75	
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep.....	113.07	19.97
			For Extra Heavy Fittings, Add	29.10	
			For Above Ground Cast Iron Pipe Installation, Add	1.50	
			For Work In Restricted Working Space, Add	8.98	
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep.....	175.06	20.91
			For Extra Heavy Fittings, Add	50.31	
			For Above Ground Cast Iron Pipe Installation, Add	1.57	
			For Work In Restricted Working Space, Add	9.40	
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep.....	212.01	24.59
			For Extra Heavy Fittings, Add	61.30	
			For Above Ground Cast Iron Pipe Installation, Add	1.84	
			For Work In Restricted Working Space, Add	11.06	
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep.....	358.60	31.95
			For Extra Heavy Fittings, Add	108.75	
			For Above Ground Cast Iron Pipe Installation, Add	2.40	
			For Work In Restricted Working Space, Add	14.37	
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep.....	532.02	39.32
			For Extra Heavy Fittings, Add	165.57	
			For Above Ground Cast Iron Pipe Installation, Add	2.95	
			For Work In Restricted Working Space, Add	17.69	
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep.....	892.65	54.87
			For Extra Heavy Fittings, Add	283.63	
			For Above Ground Cast Iron Pipe Installation, Add	4.11	
			For Work In Restricted Working Space, Add	24.68	
22 13 16 00-0049			Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)		
22 13 16 00-0050	EA		2" Bell And Spigot Cast Iron 1/4 Bend.....	40.00	11.90
			For Extra Heavy Fittings, Add	7.75	
			For Above Ground Cast Iron Pipe Installation, Add	0.89	
			For Work In Restricted Working Space, Add	5.36	
22 13 16 00-0051	EA		3" Bell And Spigot Cast Iron 1/4 Bend.....	64.35	13.39
			For Extra Heavy Fittings, Add	15.49	
			For Above Ground Cast Iron Pipe Installation, Add	1.01	
			For Work In Restricted Working Space, Add	6.03	
22 13 16 00-0052	EA		4" Bell And Spigot Cast Iron 1/4 Bend.....	93.19	17.85
			For Extra Heavy Fittings, Add	23.25	
			For Above Ground Cast Iron Pipe Installation, Add	1.34	
			For Work In Restricted Working Space, Add	8.03	
22 13 16 00-0053	EA		5" Bell And Spigot Cast Iron 1/4 Bend.....	117.19	18.67
			For Extra Heavy Fittings, Add	31.23	
			For Above Ground Cast Iron Pipe Installation, Add	1.40	
			For Work In Restricted Working Space, Add	8.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0054 EA 6" Bell And Spigot Cast Iron 1/4 Bend	141.03	22.36
For Extra Heavy Fittings, Add	37.62	
For Above Ground Cast Iron Pipe Installation, Add	1.68	
For Work In Restricted Working Space, Add	10.06	
22 13 16 00-0055 EA 8" Bell And Spigot Cast Iron 1/4 Bend	310.83	29.42
For Extra Heavy Fittings, Add	93.35	
For Above Ground Cast Iron Pipe Installation, Add	2.21	
For Work In Restricted Working Space, Add	13.23	
22 13 16 00-0056 EA 10" Bell And Spigot Cast Iron 1/4 Bend	466.20	35.71
For Extra Heavy Fittings, Add	144.43	
For Above Ground Cast Iron Pipe Installation, Add	2.68	
For Work In Restricted Working Space, Add	16.06	
22 13 16 00-0057 EA 12" Bell And Spigot Cast Iron 1/4 Bend	619.64	42.15
For Extra Heavy Fittings, Add	194.75	
For Above Ground Cast Iron Pipe Installation, Add	3.16	
For Work In Restricted Working Space, Add	18.96	
22 13 16 00-0058 EA 15" Bell And Spigot Cast Iron 1/4 Bend	1,625.36	66.48
For Extra Heavy Fittings, Add	534.00	
For Above Ground Cast Iron Pipe Installation, Add	4.98	
For Work In Restricted Working Space, Add	29.90	
22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0060 EA 2" Bell And Spigot Cast Iron 1/8 Bend	35.57	11.95
For Extra Heavy Fittings, Add	6.19	
For Above Ground Cast Iron Pipe Installation, Add	0.89	
For Work In Restricted Working Space, Add	5.37	
22 13 16 00-0061 EA 3" Bell And Spigot Cast Iron 1/8 Bend	58.98	15.03
For Extra Heavy Fittings, Add	12.77	
For Above Ground Cast Iron Pipe Installation, Add	1.12	
For Work In Restricted Working Space, Add	6.75	
22 13 16 00-0062 EA 4" Bell And Spigot Cast Iron 1/8 Bend	85.30	19.97
For Extra Heavy Fittings, Add	19.38	
For Above Ground Cast Iron Pipe Installation, Add	1.50	
For Work In Restricted Working Space, Add	8.98	
22 13 16 00-0063 EA 5" Bell And Spigot Cast Iron 1/8 Bend	104.83	23.36
For Extra Heavy Fittings, Add	24.43	
For Above Ground Cast Iron Pipe Installation, Add	1.75	
For Work In Restricted Working Space, Add	10.51	
22 13 16 00-0064 EA 6" Bell And Spigot Cast Iron 1/8 Bend	122.20	26.05
For Extra Heavy Fittings, Add	29.10	
For Above Ground Cast Iron Pipe Installation, Add	1.95	
For Work In Restricted Working Space, Add	11.72	
22 13 16 00-0065 EA 8" Bell And Spigot Cast Iron 1/8 Bend	260.84	35.25
For Extra Heavy Fittings, Add	72.80	
For Above Ground Cast Iron Pipe Installation, Add	2.64	
For Work In Restricted Working Space, Add	15.86	
22 13 16 00-0066 EA 10" Bell And Spigot Cast Iron 1/8 Bend	370.71	43.49
For Extra Heavy Fittings, Add	106.92	
For Above Ground Cast Iron Pipe Installation, Add	3.26	
For Work In Restricted Working Space, Add	19.57	
22 13 16 00-0067 EA 12" Bell And Spigot Cast Iron 1/8 Bend	613.14	56.40
For Extra Heavy Fittings, Add	185.01	
For Above Ground Cast Iron Pipe Installation, Add	4.23	
For Work In Restricted Working Space, Add	25.36	
22 13 16 00-0068 EA 15" Bell And Spigot Cast Iron 1/8 Bend	1,217.26	66.48
For Extra Heavy Fittings, Add	391.16	
For Above Ground Cast Iron Pipe Installation, Add	4.98	
For Work In Restricted Working Space, Add	29.90	
22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)		
22 13 16 00-0070 EA 2" Bell And Spigot Cast Iron Wye	57.02	26.68
For Extra Heavy Fittings, Add	5.95	
For Above Ground Cast Iron Pipe Installation, Add	2.00	
For Work In Restricted Working Space, Add	12.00	
22 13 16 00-0071 EA 3" Bell And Spigot Cast Iron Wye	75.66	29.21
For Extra Heavy Fittings, Add	11.15	
For Above Ground Cast Iron Pipe Installation, Add	2.19	
For Work In Restricted Working Space, Add	13.14	
22 13 16 00-0072 EA 4" Bell And Spigot Cast Iron Wye	99.78	38.28
For Extra Heavy Fittings, Add	14.84	
For Above Ground Cast Iron Pipe Installation, Add	2.87	
For Work In Restricted Working Space, Add	17.21	
22 13 16 00-0073 EA 5" Bell And Spigot Cast Iron Wye	130.95	40.21
For Extra Heavy Fittings, Add	24.73	
For Above Ground Cast Iron Pipe Installation, Add	3.02	
For Work In Restricted Working Space, Add	18.09	
22 13 16 00-0074 EA 6" Bell And Spigot Cast Iron Wye	167.20	47.66
For Extra Heavy Fittings, Add	33.51	
For Above Ground Cast Iron Pipe Installation, Add	3.57	
For Work In Restricted Working Space, Add	21.44	
22 13 16 00-0075 EA 8" Bell And Spigot Cast Iron Wye	331.26	64.37
For Extra Heavy Fittings, Add	82.16	
For Above Ground Cast Iron Pipe Installation, Add	4.83	
For Work In Restricted Working Space, Add	28.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0076 EA 10" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	482.06 130.40 5.47 32.84	73.03
22 13 16 00-0077 EA 12" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	732.67 209.79 6.66 39.98	88.90
22 13 16 00-0078 EA 15" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,175.91 359.23 7.48 44.86	99.74
22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)		
22 13 16 00-0080 EA 3" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.99 21.41 2.09 12.54	27.88
22 13 16 00-0081 EA 4" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.88 25.62 2.58 15.50	34.46
22 13 16 00-0082 EA 4" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.11 31.19 2.65 15.90	35.33
22 13 16 00-0083 EA 6" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.52 51.98 3.20 19.20	42.71
22 13 16 00-0084 EA 6" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.34 53.59 3.26 19.57	43.49
22 13 16 00-0085 EA 6" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	227.64 55.32 3.48 20.87	46.39
22 13 16 00-0086 EA 8" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	353.08 96.42 3.88 23.28	51.77
22 13 16 00-0087 EA 8" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	370.48 101.99 3.95 23.73	52.76
22 13 16 00-0088 EA 8" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	378.13 103.35 4.14 24.86	55.25
22 13 16 00-0089 EA 8" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	450.74 125.50 4.61 27.65	61.46
22 13 16 00-0090 EA 10" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	574.71 170.93 4.32 25.91	57.59
22 13 16 00-0091 EA 10" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	597.62 177.61 4.51 27.05	60.12
22 13 16 00-0092 EA 10" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	653.08 193.70 4.98 29.90	66.48
22 13 16 00-0093 EA 10" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	881.57 271.55 5.29 31.71	70.51
22 13 16 00-0094 EA 12" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	909.51 281.33 5.29 31.71	70.51
22 13 16 00-0095 EA 12" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	943.46 290.12 5.73 34.37	76.41
22 13 16 00-0096 EA 12" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,117.80 349.16 6.01 36.06	80.19
22 13 16 00-0097 EA 12" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,374.24 437.65 6.19 37.14	82.57

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0098	EA		15" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,333.28 775.79 5.84 35.02	77.86
22 13 16 00-0099	EA		15" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,432.01 806.98 6.32 37.91	84.26
22 13 16 00-0100	EA		15" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,479.89 821.84 6.59 39.54	87.90
22 13 16 00-0101	EA		15" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,536.67 840.15 6.81 40.87	90.89
22 13 16 00-0102	EA		15" x 12" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,597.66 858.72 7.21 43.25	96.18
22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0104	EA		2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.30 8.50 2.00 12.00	26.68
22 13 16 00-0105	EA		3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.15 12.72 2.19 13.14	29.21
22 13 16 00-0106	EA		4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.60 17.58 2.87 17.21	38.28
22 13 16 00-0107	EA		5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	154.22 31.85 3.16 18.97	42.19
22 13 16 00-0108	EA		6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.64 40.32 3.92 23.53	52.32
22 13 16 00-0109	EA		8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	384.37 98.16 5.20 31.17	69.32
22 13 16 00-0110	EA		10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	564.13 149.76 6.81 40.87	90.89
22 13 16 00-0111	EA		12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	761.54 205.23 8.76 52.55	116.83
22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0113	EA		3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.07 9.54 2.09 12.54	27.88
22 13 16 00-0114	EA		4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.76 17.53 2.58 15.50	34.46
22 13 16 00-0115	EA		4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.60 20.51 2.65 15.90	35.33
22 13 16 00-0116	EA		6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.76 36.67 3.20 19.20	42.71
22 13 16 00-0117	EA		6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.79 39.05 3.26 19.57	43.49
22 13 16 00-0118	EA		6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	187.11 41.14 3.48 20.87	46.39
22 13 16 00-0119	EA		8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	271.79 67.97 3.88 23.28	51.77



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0120	EA		8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	277.04 67.97 4.14 24.86	55.25
22 13 16 00-0121	EA		8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	358.74 93.30 4.61 27.65	61.46
22 13 16 00-0122			Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)		
22 13 16 00-0123	EA		2" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.02 23.52 2.39 14.35	31.91
22 13 16 00-0124	EA		3" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.11 39.48 3.02 18.09	40.24
22 13 16 00-0125	EA		4" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	238.28 56.69 3.82 22.90	50.89
22 13 16 00-0126	EA		6" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	469.07 125.75 5.49 32.93	73.22
22 13 16 00-0127	EA		8" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,004.97 306.09 6.52 39.13	87.02
22 13 16 00-0128	EA		10" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,350.79 421.69 7.30 43.79	97.36
22 13 16 00-0129	EA		12" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	884.44 248.24 8.76 52.55	116.83
22 13 16 00-0130	EA		15" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,712.68 885.06 9.20 55.18	122.62
22 13 16 00-0131			Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)		
22 13 16 00-0132	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.24 13.87 2.83 16.98	37.74
22 13 16 00-0133	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.29 16.55 3.25 19.50	43.36
22 13 16 00-0134	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.00 19.17 3.41 20.47	45.48
22 13 16 00-0135	EA		6" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.90 28.62 3.81 22.84	50.79
22 13 16 00-0136	EA		6" x 3" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.58 31.34 3.95 23.71	52.73
22 13 16 00-0137	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.39 38.91 4.31 25.86	57.50
22 13 16 00-0138	EA		8" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	347.38 86.40 5.03 30.15	67.05
22 13 16 00-0139	EA		8" x 6" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	371.63 88.42 5.95 35.70	79.35
22 13 16 00-0140	EA		10" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	369.70 91.75 5.38 32.27	71.73
22 13 16 00-0141	EA		10" x 6" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	430.15 106.33 6.32 37.91	84.26

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0142	EA		10" x 8" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	542.79 141.78 6.89 41.31	91.84
22 13 16 00-0143	EA		12" x 6" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	554.26 144.69 7.04 42.26	93.96
22 13 16 00-0144	EA		12" x 8" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	727.46 200.97 7.66 45.98	102.23
22 13 16 00-0145			Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0146	EA		2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.94 15.09 2.39 14.35	31.91
22 13 16 00-0147	EA		3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.72 20.55 3.20 19.21	42.69
22 13 16 00-0148	EA		4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.63 28.91 4.00 24.01	53.38
22 13 16 00-0149	EA		6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	378.80 89.64 6.14 36.81	81.84
22 13 16 00-0150			Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0151	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.52 23.85 2.87 17.21	38.28
22 13 16 00-0152	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.86 30.05 3.25 19.50	43.36
22 13 16 00-0153	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.78 34.10 3.62 21.70	48.27
22 13 16 00-0154	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	364.93 95.69 4.58 27.46	61.04
22 13 16 00-0155			Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0156	EA		2" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.64 11.76 2.00 12.02	26.72
22 13 16 00-0157	EA		3" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.82 14.36 2.19 13.14	29.21
22 13 16 00-0158	EA		4" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.04 32.68 2.68 16.10	35.78
22 13 16 00-0159	EA		5" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.00 58.17 2.79 16.74	37.19
22 13 16 00-0160	EA		6" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	266.33 69.81 3.34 20.06	44.61
22 13 16 00-0161	EA		8" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	613.33 183.80 4.41 26.46	58.82
22 13 16 00-0162	EA		10" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	939.29 291.11 5.38 32.27	71.73
22 13 16 00-0163	EA		12" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,425.58 454.73 6.32 37.91	84.26



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0164			Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0165	EA		3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee 106.17		27.88
			For Extra Heavy Fittings, Add 22.53		
			For Above Ground Cast Iron Pipe Installation, Add 2.09		
			For Work In Restricted Working Space, Add 12.54		
22 13 16 00-0166	EA		4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee 126.05		32.66
			For Extra Heavy Fittings, Add 26.98		
			For Above Ground Cast Iron Pipe Installation, Add 2.45		
			For Work In Restricted Working Space, Add 14.69		
22 13 16 00-0167	EA		4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee 133.48		32.66
			For Extra Heavy Fittings, Add 29.58		
			For Above Ground Cast Iron Pipe Installation, Add 2.45		
			For Work In Restricted Working Space, Add 14.69		
22 13 16 00-0168	EA		6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee 202.62		42.71
			For Extra Heavy Fittings, Add 48.52		
			For Above Ground Cast Iron Pipe Installation, Add 3.20		
			For Work In Restricted Working Space, Add 19.20		
22 13 16 00-0169	EA		6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee 211.98		43.49
			For Extra Heavy Fittings, Add 51.37		
			For Above Ground Cast Iron Pipe Installation, Add 3.26		
			For Work In Restricted Working Space, Add 19.57		
22 13 16 00-0170	EA		6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee 230.82		46.39
			For Extra Heavy Fittings, Add 56.44		
			For Above Ground Cast Iron Pipe Installation, Add 3.48		
			For Work In Restricted Working Space, Add 20.87		
22 13 16 00-0171	EA		8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee 420.21		55.25
			For Extra Heavy Fittings, Add 118.08		
			For Above Ground Cast Iron Pipe Installation, Add 4.14		
			For Work In Restricted Working Space, Add 24.86		
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee 535.96		61.46
			For Extra Heavy Fittings, Add 155.33		
			For Above Ground Cast Iron Pipe Installation, Add 4.61		
			For Work In Restricted Working Space, Add 27.65		
22 13 16 00-0173			Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)		
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee 59.64		26.68
			For Extra Heavy Fittings, Add 6.87		
			For Above Ground Cast Iron Pipe Installation, Add 2.00		
			For Work In Restricted Working Space, Add 12.00		
22 13 16 00-0175	EA		3" Bell And Spigot Cast Iron Vent Tee 77.96		29.21
			For Extra Heavy Fittings, Add 11.96		
			For Above Ground Cast Iron Pipe Installation, Add 2.19		
			For Work In Restricted Working Space, Add 13.14		
22 13 16 00-0176	EA		4" Bell And Spigot Cast Iron Vent Tee 103.67		38.28
			For Extra Heavy Fittings, Add 16.20		
			For Above Ground Cast Iron Pipe Installation, Add 2.87		
			For Work In Restricted Working Space, Add 17.21		
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee 132.29		42.19
			For Extra Heavy Fittings, Add 24.17		
			For Above Ground Cast Iron Pipe Installation, Add 3.16		
			For Work In Restricted Working Space, Add 18.97		
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee 167.40		52.32
			For Extra Heavy Fittings, Add 31.14		
			For Above Ground Cast Iron Pipe Installation, Add 3.92		
			For Work In Restricted Working Space, Add 23.53		
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee 310.96		69.32
			For Extra Heavy Fittings, Add 72.47		
			For Above Ground Cast Iron Pipe Installation, Add 5.20		
			For Work In Restricted Working Space, Add 31.17		
22 13 16 00-0180			Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee 61.93		26.68
			For Extra Heavy Fittings, Add 7.67		
			For Above Ground Cast Iron Pipe Installation, Add 2.00		
			For Work In Restricted Working Space, Add 12.00		
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee 68.59		29.21
			For Extra Heavy Fittings, Add 8.68		
			For Above Ground Cast Iron Pipe Installation, Add 2.19		
			For Work In Restricted Working Space, Add 13.14		
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee 87.93		38.28
			For Extra Heavy Fittings, Add 10.69		
			For Above Ground Cast Iron Pipe Installation, Add 2.87		
			For Work In Restricted Working Space, Add 17.21		
22 13 16 00-0184			Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)		
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross 63.38		26.68
			For Extra Heavy Fittings, Add 8.18		
			For Above Ground Cast Iron Pipe Installation, Add 2.00		
			For Work In Restricted Working Space, Add 12.00		
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross 71.35		29.21
			For Extra Heavy Fittings, Add 9.64		
			For Above Ground Cast Iron Pipe Installation, Add 2.19		
			For Work In Restricted Working Space, Add 13.14		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross	94.86	38.28
			<i>For Extra Heavy Fittings, Add</i>	13.12	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.87	
			<i>For Work In Restricted Working Space, Add</i>	17.21	
22 13 16 00-0188			Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)		
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer	34.90	15.03
			<i>For Extra Heavy Fittings, Add</i>	4.34	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	6.75	
22 13 16 00-0190	EA		4" x 2" Bell And Spigot Cast Iron Reducer	42.71	19.81
			<i>For Extra Heavy Fittings, Add</i>	4.54	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.49	
			<i>For Work In Restricted Working Space, Add</i>	8.92	
22 13 16 00-0191	EA		4" x 3" Bell And Spigot Cast Iron Reducer	46.81	19.97
			<i>For Extra Heavy Fittings, Add</i>	5.90	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.50	
			<i>For Work In Restricted Working Space, Add</i>	8.98	
22 13 16 00-0192	EA		6" x 2" Bell And Spigot Cast Iron Reducer	58.39	22.58
			<i>For Extra Heavy Fittings, Add</i>	8.58	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.69	
			<i>For Work In Restricted Working Space, Add</i>	10.16	
22 13 16 00-0193	EA		6" x 3" Bell And Spigot Cast Iron Reducer	61.88	22.88
			<i>For Extra Heavy Fittings, Add</i>	9.64	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.72	
			<i>For Work In Restricted Working Space, Add</i>	10.30	
22 13 16 00-0194	EA		6" x 4" Bell And Spigot Cast Iron Reducer	64.16	23.36
			<i>For Extra Heavy Fittings, Add</i>	10.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.75	
			<i>For Work In Restricted Working Space, Add</i>	10.51	
22 13 16 00-0195	EA		8" x 2" Bell And Spigot Cast Iron Reducer	89.89	24.08
			<i>For Extra Heavy Fittings, Add</i>	18.83	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.81	
			<i>For Work In Restricted Working Space, Add</i>	10.83	
22 13 16 00-0196	EA		8" x 3" Bell And Spigot Cast Iron Reducer	99.10	29.85
			<i>For Extra Heavy Fittings, Add</i>	19.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.24	
			<i>For Work In Restricted Working Space, Add</i>	13.43	
22 13 16 00-0197	EA		8" x 4" Bell And Spigot Cast Iron Reducer	101.72	30.61
			<i>For Extra Heavy Fittings, Add</i>	19.53	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	13.78	
22 13 16 00-0198	EA		8" x 6" Bell And Spigot Cast Iron Reducer	104.73	31.95
			<i>For Extra Heavy Fittings, Add</i>	19.89	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.40	
			<i>For Work In Restricted Working Space, Add</i>	14.37	
22 13 16 00-0199	EA		10" x 4" Bell And Spigot Cast Iron Reducer	135.11	35.86
			<i>For Extra Heavy Fittings, Add</i>	28.47	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
22 13 16 00-0200	EA		10" x 6" Bell And Spigot Cast Iron Reducer	142.60	37.67
			<i>For Extra Heavy Fittings, Add</i>	30.14	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.82	
			<i>For Work In Restricted Working Space, Add</i>	16.95	
22 13 16 00-0201	EA		10" x 8" Bell And Spigot Cast Iron Reducer	152.84	39.32
			<i>For Extra Heavy Fittings, Add</i>	32.86	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.95	
			<i>For Work In Restricted Working Space, Add</i>	17.69	
22 13 16 00-0202	EA		12" x 4" Bell And Spigot Cast Iron Reducer	196.65	42.61
			<i>For Extra Heavy Fittings, Add</i>	46.48	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.19	
			<i>For Work In Restricted Working Space, Add</i>	19.16	
22 13 16 00-0203	EA		12" x 6" Bell And Spigot Cast Iron Reducer	216.78	49.85
			<i>For Extra Heavy Fittings, Add</i>	49.71	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	22.43	
22 13 16 00-0204	EA		12" x 8" Bell And Spigot Cast Iron Reducer	231.38	56.78
			<i>For Extra Heavy Fittings, Add</i>	51.18	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.26	
			<i>For Work In Restricted Working Space, Add</i>	25.55	
22 13 16 00-0205	EA		12" x 10" Bell And Spigot Cast Iron Reducer	250.05	65.41
			<i>For Extra Heavy Fittings, Add</i>	53.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.90	
			<i>For Work In Restricted Working Space, Add</i>	29.42	
22 13 16 00-0206	EA		15" x 6" Bell And Spigot Cast Iron Reducer	348.39	65.41
			<i>For Extra Heavy Fittings, Add</i>	87.62	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.90	
			<i>For Work In Restricted Working Space, Add</i>	29.42	
22 13 16 00-0207	EA		15" x 8" Bell And Spigot Cast Iron Reducer	369.73	70.51
			<i>For Extra Heavy Fittings, Add</i>	92.41	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.29	
			<i>For Work In Restricted Working Space, Add</i>	31.71	
22 13 16 00-0208	EA		15" x 10" Bell And Spigot Cast Iron Reducer	383.98	74.33
			<i>For Extra Heavy Fittings, Add</i>	95.38	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	33.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0209 EA 15" x 12" Bell And Spigot Cast Iron Reducer.....	403.49	79.35
For Extra Heavy Fittings, Add	99.57	
For Above Ground Cast Iron Pipe Installation, Add	5.95	
For Work In Restricted Working Space, Add	35.70	
22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)		
22 13 16 00-0211 EA 2" Bell And Spigot Cast Iron P-Trap.....	39.11	11.95
For Extra Heavy Fittings, Add	7.43	
For Above Ground Cast Iron Pipe Installation, Add	0.89	
For Work In Restricted Working Space, Add	5.37	
22 13 16 00-0212 EA 3" Bell And Spigot Cast Iron P-Trap.....	53.36	15.03
For Extra Heavy Fittings, Add	10.80	
For Above Ground Cast Iron Pipe Installation, Add	1.12	
For Work In Restricted Working Space, Add	6.75	
22 13 16 00-0213 EA 4" Bell And Spigot Cast Iron P-Trap.....	73.19	19.97
For Extra Heavy Fittings, Add	15.14	
For Above Ground Cast Iron Pipe Installation, Add	1.50	
For Work In Restricted Working Space, Add	8.98	
22 13 16 00-0214 EA 5" Bell And Spigot Cast Iron P-Trap.....	124.05	20.91
For Extra Heavy Fittings, Add	32.45	
For Above Ground Cast Iron Pipe Installation, Add	1.57	
For Work In Restricted Working Space, Add	9.40	
22 13 16 00-0215 EA 6" Bell And Spigot Cast Iron P-Trap.....	170.40	24.59
For Extra Heavy Fittings, Add	46.74	
For Above Ground Cast Iron Pipe Installation, Add	1.84	
For Work In Restricted Working Space, Add	11.06	
22 13 16 00-0216 EA 8" Bell And Spigot Cast Iron P-Trap.....	404.36	31.95
For Extra Heavy Fittings, Add	124.76	
For Above Ground Cast Iron Pipe Installation, Add	2.40	
For Work In Restricted Working Space, Add	14.37	
22 13 16 00-0217 EA 10" Bell And Spigot Cast Iron P-Trap.....	444.05	39.32
For Extra Heavy Fittings, Add	134.79	
For Above Ground Cast Iron Pipe Installation, Add	2.95	
For Work In Restricted Working Space, Add	17.69	
22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)		
22 13 16 00-0219 EA 2" Bell And Spigot Cast Iron Deep Seal P-Trap.....	47.17	11.95
For Extra Heavy Fittings, Add	10.25	
For Above Ground Cast Iron Pipe Installation, Add	0.89	
For Work In Restricted Working Space, Add	5.37	
22 13 16 00-0220 EA 3" Bell And Spigot Cast Iron Deep Seal P-Trap.....	69.20	15.03
For Extra Heavy Fittings, Add	16.35	
For Above Ground Cast Iron Pipe Installation, Add	1.12	
For Work In Restricted Working Space, Add	6.75	
22 13 16 00-0221 EA 4" Bell And Spigot Cast Iron Deep Seal P-Trap.....	102.65	19.97
For Extra Heavy Fittings, Add	25.45	
For Above Ground Cast Iron Pipe Installation, Add	1.50	
For Work In Restricted Working Space, Add	8.98	
22 13 16 00-0222 EA 5" Bell And Spigot Cast Iron Deep Seal P-Trap.....	174.31	23.36
For Extra Heavy Fittings, Add	48.75	
For Above Ground Cast Iron Pipe Installation, Add	1.75	
For Work In Restricted Working Space, Add	10.51	
22 13 16 00-0223 EA 6" Bell And Spigot Cast Iron Deep Seal P-Trap.....	183.56	26.05
For Extra Heavy Fittings, Add	50.57	
For Above Ground Cast Iron Pipe Installation, Add	1.95	
For Work In Restricted Working Space, Add	11.72	
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)		
22 13 16 00-0225 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent.....	107.18	28.83
For Above Ground Cast Iron Pipe Installation, Add	2.19	
For Work In Restricted Working Space, Add	13.14	
22 13 16 00-0226 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	143.65	37.91
For Above Ground Cast Iron Pipe Installation, Add	2.87	
For Work In Restricted Working Space, Add	17.21	
22 13 16 00-0227 EA 5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	198.71	40.58
For Above Ground Cast Iron Pipe Installation, Add	3.07	
For Work In Restricted Working Space, Add	18.41	
22 13 16 00-0228 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	439.33	45.99
For Above Ground Cast Iron Pipe Installation, Add	3.48	
For Work In Restricted Working Space, Add	20.87	
22 13 16 00-0229 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	1,550.80	54.64
For Above Ground Cast Iron Pipe Installation, Add	4.14	
For Work In Restricted Working Space, Add	24.86	
22 13 16 00-0230 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent.....	1,677.32	60.96
For Above Ground Cast Iron Pipe Installation, Add	4.61	
For Work In Restricted Working Space, Add	27.65	
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)		
22 13 16 00-0232 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent.....	134.35	39.82
For Above Ground Cast Iron Pipe Installation, Add	3.02	
For Work In Restricted Working Space, Add	18.09	
22 13 16 00-0233 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	187.39	50.26
For Above Ground Cast Iron Pipe Installation, Add	3.82	
For Work In Restricted Working Space, Add	22.90	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0234	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	483.28	56.83
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.31	
			<i>For Work In Restricted Working Space, Add</i>	25.86	
22 13 16 00-0235	EA		6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	557.36	68.79
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.21	
			<i>For Work In Restricted Working Space, Add</i>	31.28	
22 13 16 00-0236	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	1,662.06	66.25
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.03	
			<i>For Work In Restricted Working Space, Add</i>	30.15	
22 13 16 00-0237	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	1,817.44	78.66
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	35.70	
22 13 16 00-0238	EA		10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent.....	2,432.34	90.78
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.89	
			<i>For Work In Restricted Working Space, Add</i>	41.31	
22 13 16 00-0239	EA		12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent.....	3,389.77	104.95
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.95	
			<i>For Work In Restricted Working Space, Add</i>	47.70	
22 13 16 00-0240	EA		15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent.....	6,690.86	121.39
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.20	
			<i>For Work In Restricted Working Space, Add</i>	55.20	
22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)					
22 13 16 00-0242	EA		2" Bell And Spigot Cast Iron Scission Joint Fitting.....	93.58	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.89	
			<i>For Work In Restricted Working Space, Add</i>	5.36	
22 13 16 00-0243	EA		3" Bell And Spigot Cast Iron Scission Joint Fitting.....	132.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	6.02	
22 13 16 00-0244	EA		4" Bell And Spigot Cast Iron Scission Joint Fitting.....	150.10	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.34	
			<i>For Work In Restricted Working Space, Add</i>	8.06	
22 13 16 00-0245	EA		5" Bell And Spigot Cast Iron Scission Joint Fitting.....	186.66	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.56	
			<i>For Work In Restricted Working Space, Add</i>	9.36	
22 13 16 00-0246	EA		6" Bell And Spigot Cast Iron Scission Joint Fitting.....	226.81	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.89	
			<i>For Work In Restricted Working Space, Add</i>	11.31	
22 13 16 00-0247	EA		8" Bell And Spigot Cast Iron Scission Joint Fitting.....	445.36	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.38	
			<i>For Work In Restricted Working Space, Add</i>	14.30	
22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019)					
Note: For use when connecting pipe to an existing in-place system.					
22 13 16 00-0249	EA		2", Cut And Prepare Existing In-Place Cast Iron Pipe.....	4.97	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.25	
			<i>For Work In Restricted Working Space, Add</i>	1.49	
22 13 16 00-0250	EA		3", Cut And Prepare Existing In-Place Cast Iron Pipe.....	5.43	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.27	
			<i>For Work In Restricted Working Space, Add</i>	1.63	
22 13 16 00-0251	EA		4", Cut And Prepare Existing In-Place Cast Iron Pipe.....	6.77	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.34	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
22 13 16 00-0252	EA		6", Cut And Prepare Existing In-Place Cast Iron Pipe.....	8.13	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.41	
			<i>For Work In Restricted Working Space, Add</i>	2.44	
22 13 16 00-0253	EA		8", Cut And Prepare Existing In-Place Cast Iron Pipe.....	10.84	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.54	
			<i>For Work In Restricted Working Space, Add</i>	3.25	
22 13 16 00-0254	EA		10", Cut And Prepare Existing In-Place Cast Iron Pipe.....	12.65	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.63	
			<i>For Work In Restricted Working Space, Add</i>	3.80	
22 13 16 00-0255	EA		12", Cut And Prepare Existing In-Place Cast Iron Pipe.....	14.91	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	4.47	
22 13 16 00-0256	EA		15", Cut And Prepare Existing In-Place Cast Iron Pipe.....	17.17	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.86	
			<i>For Work In Restricted Working Space, Add</i>	5.15	
22 13 16 00-0257 Joint Material (22 13 16 00-0019)					
Note: Labor costs are included in the installation costs for fittings.					
22 13 16 00-0258	LB		Lead (1 LB/Diameter Inch) Joint Material.....	1.66	
22 13 16 00-0259	LB		Oakum (1/8 LB/Diameter Inch) Joint Material.....	7.35	
22 13 16 00-0260	EA		2" Dual Tite Rubber Gasket.....	0.73	
22 13 16 00-0261	EA		3" Dual Tite Rubber Gasket.....	1.00	
22 13 16 00-0262	EA		4" Dual Tite Rubber Gasket.....	1.24	
22 13 16 00-0263	EA		6" Dual Tite Rubber Gasket.....	2.06	
22 13 16 00-0264	EA		8" Dual Tite Rubber Gasket.....	4.53	
22 13 16 00-0265	EA		10" Dual Tite Rubber Gasket.....	6.95	
22 13 16 00-0266	EA		12" Dual Tite Rubber Gasket.....	8.86	
22 13 16 00-0267	EA		15" Dual Tite Rubber Gasket.....	10.52	
22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings (22 13 16)					
Note: Service Weight. Excludes hangers.					



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0269			No Hub Cast Iron Pipe (22 13 16 00-0268) Note: Excludes couplings.		
22 13 16 00-0270	LF		1-1/2" No Hub Cast Iron Pipe 7.25		2.49
			For Below Ground Installation, Add 0.19		
			For Work In Restricted Working Space, Add 1.13		
22 13 16 00-0271	LF		2" No Hub Cast Iron Pipe..... 7.70		2.66
			For Below Ground Installation, Add 0.20		
			For Work In Restricted Working Space, Add 1.21		
22 13 16 00-0272	LF		3" No Hub Cast Iron Pipe..... 10.91		3.87
			For Below Ground Installation, Add 0.29		
			For Work In Restricted Working Space, Add 1.75		
22 13 16 00-0273	LF		4" No Hub Cast Iron Pipe..... 14.16		5.04
			For Below Ground Installation, Add 0.38		
			For Work In Restricted Working Space, Add 2.27		
22 13 16 00-0274	LF		5" No Hub Cast Iron Pipe..... 17.73		5.70
			For Below Ground Installation, Add 0.43		
			For Work In Restricted Working Space, Add 2.57		
22 13 16 00-0275	LF		6" No Hub Cast Iron Pipe..... 20.68		6.23
			For Below Ground Installation, Add 0.47		
			For Work In Restricted Working Space, Add 2.80		
22 13 16 00-0276	LF		8" No Hub Cast Iron Pipe..... 31.67		9.01
			For Below Ground Installation, Add 0.67		
			For Work In Restricted Working Space, Add 4.04		
22 13 16 00-0277	LF		10" No Hub Cast Iron Pipe..... 45.49		10.23
			For Below Ground Installation, Add 0.77		
			For Work In Restricted Working Space, Add 4.60		
22 13 16 00-0278			No Hub Cast Iron Fittings (22 13 16 00-0268)		
22 13 16 00-0279			No Hub Cast Iron Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0280	EA		1-1/2" No Hub Cast Iron Long Sweep 26.47		11.81
			For Below Ground Installation, Add 0.89		
			For Work In Restricted Working Space, Add 5.31		
22 13 16 00-0281	EA		2" No Hub Cast Iron Long Sweep 26.68		11.81
			For Below Ground Installation, Add 0.89		
			For Work In Restricted Working Space, Add 5.31		
22 13 16 00-0282	EA		3" No Hub Cast Iron Long Sweep 31.54		13.53
			For Below Ground Installation, Add 1.01		
			For Work In Restricted Working Space, Add 6.09		
22 13 16 00-0283	EA		4" No Hub Cast Iron Long Sweep 43.61		17.89
			For Below Ground Installation, Add 1.34		
			For Work In Restricted Working Space, Add 8.06		
22 13 16 00-0284	EA		5" No Hub Cast Iron Long Sweep 59.06		18.82
			For Below Ground Installation, Add 1.41		
			For Work In Restricted Working Space, Add 8.46		
22 13 16 00-0285	EA		6" No Hub Cast Iron Long Sweep 70.04		22.43
			For Below Ground Installation, Add 1.68		
			For Work In Restricted Working Space, Add 10.10		
22 13 16 00-0286	EA		8" No Hub Cast Iron Long Sweep 143.25		29.20
			For Below Ground Installation, Add 2.19		
			For Work In Restricted Working Space, Add 13.14		
22 13 16 00-0287			No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0288	EA		3" x 2" No Hub Cast Iron Reducing Long Sweep 40.80		13.53
			For Below Ground Installation, Add 1.01		
			For Work In Restricted Working Space, Add 6.09		
22 13 16 00-0289	EA		4" x 3" No Hub Cast Iron Reducing Long Sweep 61.27		17.89
			For Below Ground Installation, Add 1.34		
			For Work In Restricted Working Space, Add 8.06		
22 13 16 00-0290			No Hub Cast Iron Short Sweeps (22 13 16 00-0278)		
22 13 16 00-0291	EA		2" No Hub Cast Iron Short Sweep 24.82		11.81
			For Below Ground Installation, Add 0.89		
			For Work In Restricted Working Space, Add 5.31		
22 13 16 00-0292	EA		3" No Hub Cast Iron Short Sweep 30.06		13.53
			For Below Ground Installation, Add 1.01		
			For Work In Restricted Working Space, Add 6.09		
22 13 16 00-0293	EA		4" No Hub Cast Iron Short Sweep 42.84		17.89
			For Below Ground Installation, Add 1.34		
			For Work In Restricted Working Space, Add 8.06		
22 13 16 00-0294	EA		5" No Hub Cast Iron Short Sweep 59.35		18.82
			For Below Ground Installation, Add 1.41		
			For Work In Restricted Working Space, Add 8.46		
22 13 16 00-0295	EA		6" No Hub Cast Iron Short Sweep 65.51		22.43
			For Below Ground Installation, Add 1.68		
			For Work In Restricted Working Space, Add 10.10		
22 13 16 00-0296	EA		8" No Hub Cast Iron Short Sweep 129.58		29.20
			For Below Ground Installation, Add 2.19		
			For Work In Restricted Working Space, Add 13.14		
22 13 16 00-0297	EA		10" No Hub Cast Iron Short Sweep 212.20		40.88
			For Below Ground Installation, Add 3.07		
			For Work In Restricted Working Space, Add 18.39		
22 13 16 00-0298			No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 16 00-0299	EA 1-1/2" No Hub Cast Iron 1/4 Bend	22.49	11.32
	<i>For Below Ground Installation, Add</i>	0.85	
	<i>For Work In Restricted Working Space, Add</i>	5.09	
22 13 16 00-0300	EA 2" No Hub Cast Iron 1/4 Bend	23.54	11.81
	<i>For Below Ground Installation, Add</i>	0.89	
	<i>For Work In Restricted Working Space, Add</i>	5.31	
22 13 16 00-0301	EA 3" No Hub Cast Iron 1/4 Bend	27.98	13.53
	<i>For Below Ground Installation, Add</i>	1.01	
	<i>For Work In Restricted Working Space, Add</i>	6.09	
22 13 16 00-0302	EA 4" No Hub Cast Iron 1/4 Bend	38.24	17.89
	<i>For Below Ground Installation, Add</i>	1.34	
	<i>For Work In Restricted Working Space, Add</i>	8.06	
22 13 16 00-0303	EA 5" No Hub Cast Iron 1/4 Bend	53.64	18.82
	<i>For Below Ground Installation, Add</i>	1.41	
	<i>For Work In Restricted Working Space, Add</i>	8.46	
22 13 16 00-0304	EA 6" No Hub Cast Iron 1/4 Bend	61.86	22.43
	<i>For Below Ground Installation, Add</i>	1.68	
	<i>For Work In Restricted Working Space, Add</i>	10.10	
22 13 16 00-0305	EA 8" No Hub Cast Iron 1/4 Bend	118.94	29.20
	<i>For Below Ground Installation, Add</i>	2.19	
	<i>For Work In Restricted Working Space, Add</i>	13.14	
22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)			
22 13 16 00-0307	EA 1-1/2" No Hub Cast Iron 1/8 Bend	21.31	11.32
	<i>For Below Ground Installation, Add</i>	0.85	
	<i>For Work In Restricted Working Space, Add</i>	5.09	
22 13 16 00-0308	EA 2" No Hub Cast Iron 1/8 Bend	22.14	11.81
	<i>For Below Ground Installation, Add</i>	0.89	
	<i>For Work In Restricted Working Space, Add</i>	5.31	
22 13 16 00-0309	EA 3" No Hub Cast Iron 1/8 Bend	26.60	13.53
	<i>For Below Ground Installation, Add</i>	1.01	
	<i>For Work In Restricted Working Space, Add</i>	6.09	
22 13 16 00-0310	EA 4" No Hub Cast Iron 1/8 Bend	35.15	17.89
	<i>For Below Ground Installation, Add</i>	1.34	
	<i>For Work In Restricted Working Space, Add</i>	8.06	
22 13 16 00-0311	EA 6" No Hub Cast Iron 1/8 Bend	58.56	26.42
	<i>For Below Ground Installation, Add</i>	1.98	
	<i>For Work In Restricted Working Space, Add</i>	11.89	
22 13 16 00-0312	EA 8" No Hub Cast Iron 1/8 Bend	102.42	34.70
	<i>For Below Ground Installation, Add</i>	2.60	
	<i>For Work In Restricted Working Space, Add</i>	15.61	
22 13 16 00-0313	EA 10" No Hub Cast Iron 1/8 Bend	159.10	42.69
	<i>For Below Ground Installation, Add</i>	3.20	
	<i>For Work In Restricted Working Space, Add</i>	19.21	
22 13 16 00-0314 No Hub Cast Iron Wyes (22 13 16 00-0278)			
22 13 16 00-0315	EA 1-1/2" No Hub Cast Iron Wye	34.37	17.81
	<i>For Below Ground Installation, Add</i>	1.33	
	<i>For Work In Restricted Working Space, Add</i>	8.00	
22 13 16 00-0316	EA 2" No Hub Cast Iron Wye	43.97	24.13
	<i>For Below Ground Installation, Add</i>	1.81	
	<i>For Work In Restricted Working Space, Add</i>	10.85	
22 13 16 00-0317	EA 3" No Hub Cast Iron Wye	50.26	26.42
	<i>For Below Ground Installation, Add</i>	1.98	
	<i>For Work In Restricted Working Space, Add</i>	11.89	
22 13 16 00-0318	EA 4" No Hub Cast Iron Wye	69.29	34.70
	<i>For Below Ground Installation, Add</i>	2.60	
	<i>For Work In Restricted Working Space, Add</i>	15.61	
22 13 16 00-0319	EA 5" No Hub Cast Iron Wye	92.29	36.63
	<i>For Below Ground Installation, Add</i>	2.75	
	<i>For Work In Restricted Working Space, Add</i>	16.48	
22 13 16 00-0320	EA 6" No Hub Cast Iron Wye	109.51	43.49
	<i>For Below Ground Installation, Add</i>	3.26	
	<i>For Work In Restricted Working Space, Add</i>	19.57	
22 13 16 00-0321	EA 8" No Hub Cast Iron Wye	191.63	58.43
	<i>For Below Ground Installation, Add</i>	4.38	
	<i>For Work In Restricted Working Space, Add</i>	26.27	
22 13 16 00-0322	EA 10" No Hub Cast Iron Wye	322.62	64.91
	<i>For Below Ground Installation, Add</i>	4.87	
	<i>For Work In Restricted Working Space, Add</i>	29.20	
22 13 16 00-0323 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)			
22 13 16 00-0324	EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye	42.92	23.05
	<i>For Below Ground Installation, Add</i>	1.73	
	<i>For Work In Restricted Working Space, Add</i>	10.36	
22 13 16 00-0325	EA 3" x 2" No Hub Cast Iron Reducing Wye	48.01	26.42
	<i>For Below Ground Installation, Add</i>	1.98	
	<i>For Work In Restricted Working Space, Add</i>	11.89	
22 13 16 00-0326	EA 4" x 2" No Hub Cast Iron Reducing Wye	54.54	29.21
	<i>For Below Ground Installation, Add</i>	2.19	
	<i>For Work In Restricted Working Space, Add</i>	13.14	
22 13 16 00-0327	EA 4" x 3" No Hub Cast Iron Reducing Wye	63.06	32.46
	<i>For Below Ground Installation, Add</i>	2.43	
	<i>For Work In Restricted Working Space, Add</i>	14.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0328 EA 6" x 2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.38 2.78 16.65	37.01
22 13 16 00-0329 EA 6" x 3" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.89 2.90 17.39	38.68
22 13 16 00-0330 EA 6" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.24 3.39 20.33	45.21
22 13 16 00-0331 EA 8" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.45 3.44 20.66	45.94
22 13 16 00-0332 EA 8" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.26 3.78 22.70	50.50
22 13 16 00-0333 EA 10" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.48 4.03 24.20	53.80
22 13 16 00-0334 EA 10" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	249.37 4.32 25.91	57.59
22 13 16 00-0335 EA 10" x 8" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	287.96 4.61 27.66	61.50
22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0337 EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.84 1.55 9.32	20.72
22 13 16 00-0338 EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.28 1.81 10.85	24.13
22 13 16 00-0339 EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.63 1.98 11.89	26.42
22 13 16 00-0340 EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.99 2.60 15.61	34.70
22 13 16 00-0341 EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.37 4.00 24.01	53.38
22 13 16 00-0342 EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	254.10 5.13 30.81	68.49
22 13 16 00-0343 EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	297.99 6.21 37.24	82.81
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0345 EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.67 1.81 10.85	24.13
22 13 16 00-0346 EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.20 1.98 11.89	26.42
22 13 16 00-0347 EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.91 2.19 13.14	29.21
22 13 16 00-0348 EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.36 2.43 14.60	32.46
22 13 16 00-0349 EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.28 2.78 16.65	37.01
22 13 16 00-0350 EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.93 2.90 17.39	38.68
22 13 16 00-0351 EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.79 3.39 20.33	45.21
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.16 3.44 20.66	45.94
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.32 3.78 22.70	50.50
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.84 2.25 13.49	30.00
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.78 2.74 16.43	36.53



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0357	EA		4" No Hub Cast Iron Double Wye	101.08	39.95
			<i>For Below Ground Installation, Add</i>	2.99	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
22 13 16 00-0358	EA		6" No Hub Cast Iron Double Wye	153.17	54.82
			<i>For Below Ground Installation, Add</i>	4.11	
			<i>For Work In Restricted Working Space, Add</i>	24.65	
22 13 16 00-0359	EA		8" No Hub Cast Iron Double Wye	303.78	74.33
			<i>For Below Ground Installation, Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	33.44	
22 13 16 00-0360			No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)		
22 13 16 00-0361	EA		3" x 2" No Hub Cast Iron Double Wye	67.01	33.25
			<i>For Below Ground Installation, Add</i>	2.49	
			<i>For Work In Restricted Working Space, Add</i>	14.95	
22 13 16 00-0362	EA		4" x 2" No Hub Cast Iron Double Wye	80.47	38.28
			<i>For Below Ground Installation, Add</i>	2.87	
			<i>For Work In Restricted Working Space, Add</i>	17.22	
22 13 16 00-0363	EA		4" x 3" No Hub Cast Iron Double Wye	88.59	41.73
			<i>For Below Ground Installation, Add</i>	3.13	
			<i>For Work In Restricted Working Space, Add</i>	18.77	
22 13 16 00-0364	EA		6" x 4" No Hub Cast Iron Double Wye	130.05	48.33
			<i>For Below Ground Installation, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	21.74	
22 13 16 00-0365			No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0366	EA		2" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	73.08	36.04
			<i>For Below Ground Installation, Add</i>	2.70	
			<i>For Work In Restricted Working Space, Add</i>	16.21	
22 13 16 00-0367	EA		3" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	89.35	39.95
			<i>For Below Ground Installation, Add</i>	2.99	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
22 13 16 00-0368	EA		4" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	135.57	52.89
			<i>For Below Ground Installation, Add</i>	3.96	
			<i>For Work In Restricted Working Space, Add</i>	23.78	
22 13 16 00-0369	EA		6" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	188.13	81.64
			<i>For Below Ground Installation, Add</i>	6.12	
			<i>For Work In Restricted Working Space, Add</i>	36.72	
22 13 16 00-0370			No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0371	EA		3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend.....	68.57	31.00
			<i>For Below Ground Installation, Add</i>	2.32	
			<i>For Work In Restricted Working Space, Add</i>	13.95	
22 13 16 00-0372	EA		4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend.....	79.48	36.04
			<i>For Below Ground Installation, Add</i>	2.70	
			<i>For Work In Restricted Working Space, Add</i>	16.21	
22 13 16 00-0373	EA		4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend.....	96.01	39.36
			<i>For Below Ground Installation, Add</i>	2.95	
			<i>For Work In Restricted Working Space, Add</i>	17.71	
22 13 16 00-0374			No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0375	EA		1-1/2" No Hub Cast Iron Sanitary Tee.....	33.47	17.44
			<i>For Below Ground Installation, Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	7.85	
22 13 16 00-0376	EA		2" No Hub Cast Iron Sanitary Tee.....	44.36	24.13
			<i>For Below Ground Installation, Add</i>	1.81	
			<i>For Work In Restricted Working Space, Add</i>	10.85	
22 13 16 00-0377	EA		3" No Hub Cast Iron Sanitary Tee.....	49.39	26.42
			<i>For Below Ground Installation, Add</i>	1.98	
			<i>For Work In Restricted Working Space, Add</i>	11.89	
22 13 16 00-0378	EA		4" No Hub Cast Iron Sanitary Tee.....	67.31	34.70
			<i>For Below Ground Installation, Add</i>	2.60	
			<i>For Work In Restricted Working Space, Add</i>	15.61	
22 13 16 00-0379	EA		5" No Hub Cast Iron Sanitary Tee.....	92.70	36.63
			<i>For Below Ground Installation, Add</i>	2.75	
			<i>For Work In Restricted Working Space, Add</i>	16.48	
22 13 16 00-0380	EA		6" No Hub Cast Iron Sanitary Tee.....	109.22	43.49
			<i>For Below Ground Installation, Add</i>	3.26	
			<i>For Work In Restricted Working Space, Add</i>	19.57	
22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee.....	216.08	58.43
			<i>For Below Ground Installation, Add</i>	4.38	
			<i>For Work In Restricted Working Space, Add</i>	26.27	
22 13 16 00-0382	EA		2" x 1-1/2" No Hub Cast Iron Sanitary Tee	37.69	19.69
			<i>For Below Ground Installation, Add</i>	1.48	
			<i>For Work In Restricted Working Space, Add</i>	8.85	
22 13 16 00-0383	EA		3" x 1-1/2" No Hub Cast Iron Sanitary Tee	43.60	23.05
			<i>For Below Ground Installation, Add</i>	1.73	
			<i>For Work In Restricted Working Space, Add</i>	10.36	
22 13 16 00-0384			No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee.....	45.25	24.13
			<i>For Below Ground Installation, Add</i>	1.81	
			<i>For Work In Restricted Working Space, Add</i>	10.85	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.61 1.81 10.85	24.13
22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.59 2.45 14.69	32.66
22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.87 2.45 14.69	32.66
22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.19 2.61 15.65	34.80
22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.35 2.61 15.65	34.80
22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.74 2.61 15.65	34.80
22 13 16 00-0392	EA		6" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.82 2.72 16.31	36.26
22 13 16 00-0393	EA		8" x 6" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.62 3.69 22.16	49.28
22 13 16 00-0394			No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)		
22 13 16 00-0395	EA		2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.91 0.89 5.31	11.81
22 13 16 00-0396	EA		3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.13 1.01 6.09	13.53
22 13 16 00-0397	EA		4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.91 1.34 8.06	17.89
22 13 16 00-0398			No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0399	EA		2" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.48 0.89 5.31	11.81
22 13 16 00-0400	EA		3" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.17 1.01 6.09	13.53
22 13 16 00-0401	EA		4" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.98 1.34 8.06	17.89
22 13 16 00-0402	EA		6" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.94 1.98 11.89	26.42
22 13 16 00-0403			No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0404	EA		4" No Hub Cast Iron Single Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.65 2.60 15.61	34.70
22 13 16 00-0405	EA		4" No Hub Cast Iron Double Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.79 3.95 23.72	52.72
22 13 16 00-0406			No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)		
22 13 16 00-0407	EA		2" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.59 0.89 5.31	11.81
22 13 16 00-0408	EA		3" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.81 1.01 6.09	13.53
22 13 16 00-0409	EA		4" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.44 1.34 8.06	17.89
22 13 16 00-0410	EA		6" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.66 1.98 11.89	26.42
22 13 16 00-0411	EA		8" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.05 2.60 15.61	34.70
22 13 16 00-0412			No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0413	EA		1-1/2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.83 1.75 10.49	23.30
22 13 16 00-0414	EA		2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.52 1.81 10.85	24.13

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0415	EA		3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.04 1.98 11.89	26.42
22 13 16 00-0416	EA		4" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.52 2.60 15.61	34.70
22 13 16 00-0417			No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0418	EA		3" x 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.94 2.32 13.94	31.00
22 13 16 00-0419	EA		4" x 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.52 2.39 14.36	31.91
22 13 16 00-0420	EA		4" x 3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.71 2.50 14.98	33.33
22 13 16 00-0421			No Hub Cast Iron Reducers (22 13 16 00-0278)		
22 13 16 00-0422	EA		3" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.32 1.81 10.85	24.13
22 13 16 00-0423	EA		4" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.27 2.45 14.69	32.66
22 13 16 00-0424	EA		4" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.47 2.45 14.69	32.66
22 13 16 00-0425	EA		5" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.43 2.61 15.65	34.80
22 13 16 00-0426	EA		5" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.72 2.61 15.65	34.80
22 13 16 00-0427	EA		5" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.22 2.61 15.65	34.80
22 13 16 00-0428	EA		6" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.96 2.90 17.39	38.68
22 13 16 00-0429	EA		6" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.15 2.90 17.39	38.68
22 13 16 00-0430	EA		6" x 5" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.73 2.90 17.39	38.68
22 13 16 00-0431	EA		8" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.05 4.09 24.52	54.53
22 13 16 00-0432	EA		8" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.52 4.09 24.52	54.53
22 13 16 00-0433	EA		8" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.89 4.09 24.52	54.53
22 13 16 00-0434	EA		8" x 5" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.36 4.09 24.52	54.53
22 13 16 00-0435	EA		8" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.65 4.09 24.52	54.53
22 13 16 00-0436	EA		10" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.98 4.31 25.87	57.52
22 13 16 00-0437	EA		10" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.33 4.50 27.02	60.04
22 13 16 00-0438	EA		10" x 8" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.14 4.89 29.31	65.17
22 13 16 00-0439			No Hub Cast Iron Blind Plugs (22 13 16 00-0278)		
22 13 16 00-0440	EA		1-1/2" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.35 0.85 5.09	11.32
22 13 16 00-0441	EA		2" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.98 0.89 5.31	11.81
22 13 16 00-0442	EA		3" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.33 1.01 6.09	13.53
22 13 16 00-0443	EA		4" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.27 1.34 8.06	17.89



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0444	EA		5" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.76 1.44 8.61	19.38
22 13 16 00-0445	EA		6" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.82 1.68 10.10	22.43
22 13 16 00-0446	EA		8" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.84 2.19 13.14	29.20
22 13 16 00-0447	EA		10" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.24 2.36 14.15	31.45
22 13 16 00-0448			No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0449	EA		2" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.10 0.89 5.31	11.81
22 13 16 00-0450	EA		3" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.42 1.01 6.09	13.53
22 13 16 00-0451	EA		4" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.08 1.34 8.06	17.89
22 13 16 00-0452	EA		5" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.46 1.42 8.53	18.97
22 13 16 00-0453	EA		6" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.03 1.70 10.17	22.62
22 13 16 00-0454			No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		
22 13 16 00-0455	EA		2" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.52 1.12 6.75	15.03
22 13 16 00-0456	EA		3" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.89 1.50 8.98	19.97
22 13 16 00-0457	EA		4" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.81 1.98 11.86	26.38
22 13 16 00-0458			No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0459	EA		4" No Hub Cast Iron Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.15 1.34 8.06	17.89
22 13 16 00-0460	EA		4" x 2-1/2" No Hub Cast Iron Offset Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.91 1.34 8.06	17.89
22 13 16 00-0461			No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0462	EA		4" x 16" No Hub Cast Iron Closet Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.92 1.34 8.06	17.89
22 13 16 00-0463			No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)		
22 13 16 00-0464	EA		1-1/4" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.70 1.12 6.75	15.03
22 13 16 00-0465	EA		1-1/2" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.92 1.12 6.75	15.03
22 13 16 00-0466			No Hub Couplings (22 13 16 00-0278)		
Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).					
22 13 16 00-0467	EA		1-1/2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	5.58 0.73 1.51	
22 13 16 00-0468	EA		2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	5.58 0.73 1.51	
22 13 16 00-0469	EA		3" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	6.62 0.86 1.79	
22 13 16 00-0470	EA		4" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	7.86 1.02 2.12	
22 13 16 00-0471	EA		5" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	18.18 2.36 4.91	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 16 00-0472	EA	6" No Hub Coupling	19.97	
		<i>For Medium Duty (Fernco MD-2000), Add</i>	2.60	
		<i>For Heavy Duty (Fernco HD-4000), Add</i>	5.39	
22 13 16 00-0473	EA	8" No Hub Coupling	37.63	
		<i>For Medium Duty (Fernco MD-2000), Add</i>	4.89	
		<i>For Heavy Duty (Fernco HD-4000), Add</i>	10.16	
22 13 16 00-0474	EA	10" No Hub Coupling	51.84	
		<i>For Medium Duty (Fernco MD-2000), Add</i>	6.74	
		<i>For Heavy Duty (Fernco HD-4000), Add</i>	14.00	
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling	6.62	
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling	10.27	
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling	14.33	
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling	12.21	
22 13 16 00-0479		Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts <small>(22 13 16 00-0278)</small>		
		Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.		
22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	15.93	
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	16.45	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	17.27	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	20.15	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	38.03	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	52.22	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	91.49	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	139.80	
22 13 16 00-0488		Cut And Prepare Existing Pipe In-Place <small>(22 13 16 00-0268)</small>		
		Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489	EA	Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub	4.07	
		<i>For Work In Restricted Working Space, Add</i>	1.22	
22 13 16 00-0490	EA	Cut And Prepare 2" Cast Iron Pipe, No Hub	4.97	
		<i>For Work In Restricted Working Space, Add</i>	1.49	
22 13 16 00-0491	EA	Cut And Prepare 3" Cast Iron Pipe, No Hub	5.43	
		<i>For Work In Restricted Working Space, Add</i>	1.63	
22 13 16 00-0492	EA	Cut And Prepare 4" Cast Iron Pipe, No Hub	6.78	
		<i>For Work In Restricted Working Space, Add</i>	2.03	
22 13 16 00-0493	EA	Cut And Prepare 6" Cast Iron Pipe, No Hub	8.13	
		<i>For Work In Restricted Working Space, Add</i>	2.44	
22 13 16 00-0494	EA	Cut And Prepare 8" Cast Iron Pipe, No Hub	10.84	
		<i>For Work In Restricted Working Space, Add</i>	3.25	
22 13 16 00-0495	EA	Cut And Prepare 10" Cast Iron Pipe, No Hub	12.65	
		<i>For Work In Restricted Working Space, Add</i>	3.80	
22 13 16 00-0496		Copper Drain-Waste-Vent (DWV) Pipe <small>(22 13 16)</small>		
		See CSI section 22 11 16 00-0412 for copper and brass fittings.		
22 13 16 00-0497	LF	1-1/4" Hard Drawn DWV Copper Tube/Pipe	8.17	1.95
22 13 16 00-0498	LF	1-1/2" Hard Drawn DWV Copper Tube/Pipe	9.84	2.19
22 13 16 00-0499	LF	2" Hard Drawn DWV Copper Tube/Pipe	12.76	2.69
22 13 16 00-0500	LF	3" Hard Drawn DWV Copper Tube/Pipe	26.39	3.73
22 13 16 00-0501	LF	4" Hard Drawn DWV Copper Tube/Pipe	38.15	4.21
22 13 16 00-0502	LF	5" Hard Drawn DWV Copper Tube/Pipe	79.48	4.83
22 13 16 00-0503	LF	6" Hard Drawn DWV Copper Tube/Pipe	112.58	7.50
22 13 16 00-0504		Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 13 16)</small>		
		Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
22 13 16 00-0505		Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <small>(22 13 16 00-0504)</small>		
		Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0506	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	9.31	1.74
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	2.39	
22 13 16 00-0507	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	10.33	2.08
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	2.65	
22 13 16 00-0508	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	13.69	3.00
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	3.29	
22 13 16 00-0509	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	15.61	3.24
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	3.66	
22 13 16 00-0510	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	24.45	4.16
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	4.87	
22 13 16 00-0511	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	33.99	5.53
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	6.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0512 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	47.76 8.04	7.41
22 13 16 00-0513 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504) Note: Excludes fittings or hangers.		
22 13 16 00-0514 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) (22 13 16 00-0513) Note: Excludes fittings or hangers.		
22 13 16 00-0515 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	3.16 0.78	1.74
22 13 16 00-0516 LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	3.85 0.94	2.08
22 13 16 00-0517 LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.96 1.34	3.00
22 13 16 00-0518 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	6.93 1.46	3.24
22 13 16 00-0519 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	9.27 1.67	3.73
22 13 16 00-0520 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	13.78 2.24	4.96
22 13 16 00-0521 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	19.62 2.98	6.63
22 13 16 00-0522 Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) (22 13 16 00-0513) Note: Excludes fittings or hangers.		
22 13 16 00-0523 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	3.04 0.78	1.74
22 13 16 00-0524 LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	3.72 0.94	2.08
22 13 16 00-0525 LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.71 1.34	3.00
22 13 16 00-0526 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	6.63 1.46	3.24
22 13 16 00-0527 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	8.68 1.67	3.73
22 13 16 00-0528 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	12.29 2.24	4.96
22 13 16 00-0529 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	18.01 2.98	6.63
22 13 16 00-0530 Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) (22 13 16 00-0504)		
22 13 16 00-0531 Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0530)		
22 13 16 00-0532 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	11.18 3.12	6.95
22 13 16 00-0533 EA 2" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	14.29 3.99	8.87
22 13 16 00-0534 EA 3" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	20.94 5.37	11.90
22 13 16 00-0535 EA 4" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	27.28 6.24	13.86
22 13 16 00-0536 EA 6" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	66.41 8.12	18.01
22 13 16 00-0537 EA 8" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	103.84 10.92	24.26
22 13 16 00-0538 EA 10" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	137.44 14.56	32.33
22 13 16 00-0539 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0530)		
22 13 16 00-0540 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	13.35 3.12	6.95
22 13 16 00-0541 EA 2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	15.54 3.99	8.87
22 13 16 00-0542 EA 3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	24.15 5.37	11.90
22 13 16 00-0543 EA 4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	33.17 6.24	13.86
22 13 16 00-0544 EA 6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	55.04 8.12	18.01
22 13 16 00-0545 EA 8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	88.89 10.92	24.26
22 13 16 00-0546 EA 10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	137.17 14.56	32.33
22 13 16 00-0547 Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0548 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	11.36 3.12	6.95
22 13 16 00-0549 EA 2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	14.28 3.99	8.87



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0550	EA		3" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	20.67	11.90
			<i>For Work In Restricted Working Space, Add</i>	5.37	
22 13 16 00-0551	EA		4" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	25.97	13.86
			<i>For Work In Restricted Working Space, Add</i>	6.24	
22 13 16 00-0552	EA		6" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	63.08	18.01
			<i>For Work In Restricted Working Space, Add</i>	8.12	
22 13 16 00-0553	EA		8" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	96.09	24.26
			<i>For Work In Restricted Working Space, Add</i>	10.92	
22 13 16 00-0554	EA		10" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	114.66	32.33
			<i>For Work In Restricted Working Space, Add</i>	14.56	
22 13 16 00-0555			Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0530)		
22 13 16 00-0556	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	16.98	10.41
			<i>For Work In Restricted Working Space, Add</i>	4.68	
22 13 16 00-0557	EA		2" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	21.95	13.31
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 13 16 00-0558	EA		3" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	32.10	17.89
			<i>For Work In Restricted Working Space, Add</i>	8.05	
22 13 16 00-0559	EA		4" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	41.25	20.81
			<i>For Work In Restricted Working Space, Add</i>	9.36	
22 13 16 00-0560	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	98.96	27.00
			<i>For Work In Restricted Working Space, Add</i>	12.17	
22 13 16 00-0561	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	130.09	36.37
			<i>For Work In Restricted Working Space, Add</i>	16.38	
22 13 16 00-0562			Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0530)		
22 13 16 00-0563	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	19.56	11.36
			<i>For Work In Restricted Working Space, Add</i>	5.12	
22 13 16 00-0564	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	21.97	12.32
			<i>For Work In Restricted Working Space, Add</i>	5.56	
22 13 16 00-0565	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	20.50	12.32
			<i>For Work In Restricted Working Space, Add</i>	5.56	
22 13 16 00-0566	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	27.12	15.40
			<i>For Work In Restricted Working Space, Add</i>	6.93	
22 13 16 00-0567	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	28.39	16.35
			<i>For Work In Restricted Working Space, Add</i>	7.37	
22 13 16 00-0568	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	31.42	17.31
			<i>For Work In Restricted Working Space, Add</i>	7.80	
22 13 16 00-0569	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	41.08	18.31
			<i>For Work In Restricted Working Space, Add</i>	8.24	
22 13 16 00-0570	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	48.26	19.81
			<i>For Work In Restricted Working Space, Add</i>	8.93	
22 13 16 00-0571	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	93.91	24.92
			<i>For Work In Restricted Working Space, Add</i>	11.24	
22 13 16 00-0572	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	243.36	31.16
			<i>For Work In Restricted Working Space, Add</i>	14.04	
22 13 16 00-0573	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	252.81	33.25
			<i>For Work In Restricted Working Space, Add</i>	14.98	
22 13 16 00-0574			Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0530)		
22 13 16 00-0575	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	24.97	13.86
			<i>For Work In Restricted Working Space, Add</i>	6.24	
22 13 16 00-0576	EA		2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	32.74	17.73
			<i>For Work In Restricted Working Space, Add</i>	7.99	
22 13 16 00-0577	EA		3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	52.88	23.84
			<i>For Work In Restricted Working Space, Add</i>	10.73	
22 13 16 00-0578	EA		4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	69.11	27.71
			<i>For Work In Restricted Working Space, Add</i>	12.48	
22 13 16 00-0579			Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0530)		
22 13 16 00-0580	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee.....	29.23	15.82
			<i>For Work In Restricted Working Space, Add</i>	7.12	
22 13 16 00-0581	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee.....	41.24	18.84
			<i>For Work In Restricted Working Space, Add</i>	8.49	
22 13 16 00-0582	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee.....	46.55	20.81
			<i>For Work In Restricted Working Space, Add</i>	9.36	
22 13 16 00-0583	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee.....	67.90	22.72
			<i>For Work In Restricted Working Space, Add</i>	10.24	
22 13 16 00-0584	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee.....	73.40	25.75
			<i>For Work In Restricted Working Space, Add</i>	11.61	
22 13 16 00-0585			Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0530)		
22 13 16 00-0586	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers.....	13.41	7.90
			<i>For Work In Restricted Working Space, Add</i>	3.56	
22 13 16 00-0587	EA		3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers.....	19.08	9.40
			<i>For Work In Restricted Working Space, Add</i>	4.24	
22 13 16 00-0588	EA		3" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	19.73	10.41
			<i>For Work In Restricted Working Space, Add</i>	4.68	
22 13 16 00-0589	EA		4" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	25.24	11.36
			<i>For Work In Restricted Working Space, Add</i>	5.12	
22 13 16 00-0590	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	27.90	12.90
			<i>For Work In Restricted Working Space, Add</i>	5.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0591 EA 6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	65.67 6.74	14.98
22 13 16 00-0592 EA 6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	58.62 7.18	15.94
22 13 16 00-0593 EA 8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	123.81 8.58	19.06
22 13 16 00-0594 EA 8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	110.06 9.52	21.13
22 13 16 00-0595 EA 10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	144.40 11.34	25.18
22 13 16 00-0596 EA 10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	122.45 12.74	28.30
22 13 16 00-0597 Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0530)		
22 13 16 00-0598 EA 1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	18.31 4.68	10.41
22 13 16 00-0599 EA 2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	23.66 5.99	13.31
22 13 16 00-0600 EA 3" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	45.21 8.05	17.89
22 13 16 00-0601 EA 4" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	74.94 9.36	20.81
22 13 16 00-0602 EA 6" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	117.90 12.17	27.00
22 13 16 00-0603 Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0530)		
22 13 16 00-0604 EA 4" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	26.00 6.24	13.86
22 13 16 00-0605 EA 4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	22.98 5.81	12.90
22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0530)		
22 13 16 00-0607 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	18.37 4.68	10.41
22 13 16 00-0608 EA 2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	22.75 5.99	13.31
22 13 16 00-0609 EA 3" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	33.13 8.05	17.89
22 13 16 00-0610 EA 4" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	42.93 9.36	20.81
22 13 16 00-0611 EA 6" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	92.65 12.17	27.00
22 13 16 00-0612 EA 8" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	118.11 16.38	36.37
22 13 16 00-0613 EA 10" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	156.15 21.85	48.48
22 13 16 00-0614 Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0530)		
22 13 16 00-0615 EA 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	22.00 5.12	11.36
22 13 16 00-0616 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	23.41 5.56	12.32
22 13 16 00-0617 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	30.78 6.93	15.40
22 13 16 00-0618 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	29.41 7.37	16.35
22 13 16 00-0619 EA 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	38.21 7.80	17.31
22 13 16 00-0620 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	36.88 8.24	18.31
22 13 16 00-0621 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	40.75 8.93	19.81
22 13 16 00-0622 EA 6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	83.24 10.80	23.97
22 13 16 00-0623 EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	97.88 11.24	24.92
22 13 16 00-0624 EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	101.23 14.04	31.16
22 13 16 00-0625 EA 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	121.14 14.98	33.25
22 13 16 00-0626 EA 10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	120.27 17.69	39.24
22 13 16 00-0627 EA 10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	141.63 18.62	41.32
22 13 16 00-0628 EA 10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	160.87 20.03	44.44
22 13 16 00-0629 Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0530)		
22 13 16 00-0630 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	26.70 6.24	13.86
22 13 16 00-0631 EA 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	34.21 7.99	17.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0632 EA 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	55.34 10.73	23.84
22 13 16 00-0633 EA 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	81.26 12.48	27.71
22 13 16 00-0634 EA 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	143.88 16.23	36.04
22 13 16 00-0635 EA 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	174.15 21.85	48.52
22 13 16 00-0636 EA 10" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	258.56 29.13	64.66
22 13 16 00-0637 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-0530)		
22 13 16 00-0638 EA 2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	30.63 7.12	15.82
22 13 16 00-0639 EA 3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	45.46 8.49	18.84
22 13 16 00-0640 EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	45.77 9.36	20.81
22 13 16 00-0641 EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	57.89 10.24	22.72
22 13 16 00-0642 EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	70.09 11.61	25.75
22 13 16 00-0643 EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	99.41 14.36	31.87
22 13 16 00-0644 EA 8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	117.25 17.16	38.12
22 13 16 00-0645 EA 8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	142.38 19.04	42.28
22 13 16 00-0646 EA 10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	152.12 20.81	46.19
22 13 16 00-0647 EA 10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	186.95 22.68	50.35
22 13 16 00-0648 EA 10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	221.36 25.49	56.59
22 13 16 00-0649 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0650 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	20.09 4.68	10.41
22 13 16 00-0651 EA 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	25.44 5.99	13.31
22 13 16 00-0652 EA 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	41.22 8.05	17.89
22 13 16 00-0653 EA 4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	61.07 9.36	20.81
22 13 16 00-0654 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0655 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	29.85 5.56	12.32
22 13 16 00-0656 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	42.78 6.93	15.40
22 13 16 00-0657 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	36.85 7.37	16.35
22 13 16 00-0658 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	54.84 8.24	18.31
22 13 16 00-0659 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	59.41 8.93	19.81
22 13 16 00-0660 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0661 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	28.04 6.24	13.86
22 13 16 00-0662 EA 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	34.36 7.99	17.73
22 13 16 00-0663 EA 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	49.19 10.73	23.84
22 13 16 00-0664 EA 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	112.28 12.48	27.71
22 13 16 00-0665 EA 6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	310.64 16.23	36.04
22 13 16 00-0666 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0667 EA 2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	47.37 7.12	15.82
22 13 16 00-0668 EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	71.27 9.36	20.81
22 13 16 00-0669 EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	108.79 10.24	22.72
22 13 16 00-0670 EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	104.05 11.61	25.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0671 EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	215.46 14.36	31.87
22 13 16 00-0672 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug (22 13 16 00-0530)		
22 13 16 00-0673 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	33.13 5.99	13.31
22 13 16 00-0674 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	51.99 8.05	17.89
22 13 16 00-0675 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	74.95 9.36	20.81
22 13 16 00-0676 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	167.67 12.17	27.00
22 13 16 00-0677 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	212.86 16.38	36.37
22 13 16 00-0678 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	282.73 21.85	48.48
22 13 16 00-0679 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug (22 13 16 00-0530)		
22 13 16 00-0680 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	12.69 3.12	6.95
22 13 16 00-0681 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	16.98 3.99	8.87
22 13 16 00-0682 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	23.54 5.37	11.90
22 13 16 00-0683 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	34.09 6.24	13.86
22 13 16 00-0684 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	63.50 8.12	18.01
22 13 16 00-0685 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	125.29 10.92	24.26
22 13 16 00-0686 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	217.59 14.56	32.33
22 13 16 00-0687 Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0530)		
22 13 16 00-0688 EA 1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	11.08 3.12	6.95
22 13 16 00-0689 EA 2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	14.07 3.99	8.87
22 13 16 00-0690 EA 3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	19.83 5.37	11.90
22 13 16 00-0691 EA 4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	24.00 6.24	13.86
22 13 16 00-0692 EA 6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	44.63 8.12	18.01
22 13 16 00-0693 EA 8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	87.19 10.92	24.26
22 13 16 00-0694 EA 10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	127.25 14.57	32.33
22 13 16 00-0695 Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0530)		
22 13 16 00-0696 EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	5.88 1.56	3.45
22 13 16 00-0697 EA 2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	8.34 2.00	4.45
22 13 16 00-0698 EA 3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	13.61 2.69	5.95
22 13 16 00-0699 EA 4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	21.08 3.12	6.95
22 13 16 00-0700 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504)		
Note: In place piping.		
22 13 16 00-0701 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	3.05	
22 13 16 00-0702 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	3.35	
22 13 16 00-0703 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	4.27	
22 13 16 00-0704 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	5.76	
22 13 16 00-0705 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.23	
22 13 16 00-0706 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	10.98	
22 13 16 00-0707 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	13.42	
22 13 16 00-0708 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)		
Note: Aboveground installation.		
22 13 16 00-0709 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0708)		
Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0710 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly <i>For Work In Restricted Working Space, Add</i>	9.31 2.39	1.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0711 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	10.33 2.65	2.08
22 13 16 00-0712 LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	13.69 3.29	3.00
22 13 16 00-0713 LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	15.61 3.66	3.24
22 13 16 00-0714 LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	24.45 4.87	4.16
22 13 16 00-0715 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) (22 13 16 00-0708) Note: Excludes fittings or hangers.		
22 13 16 00-0716 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	3.08 0.78	1.74
22 13 16 00-0717 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	3.77 0.94	2.08
22 13 16 00-0718 LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	5.82 1.34	3.00
22 13 16 00-0719 LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	6.77 1.46	3.24
22 13 16 00-0720 LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	9.50 1.67	3.73
22 13 16 00-0721 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) (22 13 16 00-0708)		
22 13 16 00-0722 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends (22 13 16 00-0721)		
22 13 16 00-0723 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	12.47 3.12	6.95
22 13 16 00-0724 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	16.25 3.99	8.87
22 13 16 00-0725 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	26.95 5.37	11.90
22 13 16 00-0726 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	38.56 6.24	13.86
22 13 16 00-0727 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	93.29 8.12	18.01
22 13 16 00-0728 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends (22 13 16 00-0721)		
22 13 16 00-0729 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	15.31 3.12	6.95
22 13 16 00-0730 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	19.03 3.99	8.87
22 13 16 00-0731 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	33.85 5.37	11.90
22 13 16 00-0732 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	52.30 6.24	13.86
22 13 16 00-0733 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends (22 13 16 00-0721)		
22 13 16 00-0734 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	12.85 3.12	6.95
22 13 16 00-0735 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	15.98 3.99	8.87
22 13 16 00-0736 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	25.53 5.37	11.90
22 13 16 00-0737 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	35.94 6.24	13.86
22 13 16 00-0738 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	96.05 8.12	18.01
22 13 16 00-0739 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0740 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	19.10 4.68	10.41
22 13 16 00-0741 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	25.24 5.99	13.31
22 13 16 00-0742 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	40.26 8.05	17.89
22 13 16 00-0743 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	57.00 9.36	20.81
22 13 16 00-0744 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	180.36 12.17	27.00



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0745			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0746	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	22.65 5.12	11.36
22 13 16 00-0747	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	26.37 5.56	12.32
22 13 16 00-0748	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	23.57 5.56	12.32
22 13 16 00-0749	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	33.34 6.93	15.40
22 13 16 00-0750	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	34.90 7.37	16.35
22 13 16 00-0751	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	63.18 7.80	17.31
22 13 16 00-0752	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	62.17 8.24	18.31
22 13 16 00-0753	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	70.45 8.93	19.81
22 13 16 00-0754	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	193.74 11.24	24.92
22 13 16 00-0755			Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0756	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	31.46 6.24	13.86
22 13 16 00-0757	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	42.17 7.99	17.73
22 13 16 00-0758	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	79.41 10.73	23.84
22 13 16 00-0759	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	111.54 12.48	27.71
22 13 16 00-0760			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0761	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	35.79 7.12	15.82
22 13 16 00-0762	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	50.54 8.49	18.84
22 13 16 00-0763	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	57.52 9.36	20.81
22 13 16 00-0764	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	88.51 9.17	20.35
22 13 16 00-0765	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	94.21 10.40	23.07
22 13 16 00-0766			Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-0721)		
22 13 16 00-0767	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	22.66 4.68	10.41
22 13 16 00-0768	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	27.21 5.99	13.31
22 13 16 00-0769	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	42.87 8.05	17.89
22 13 16 00-0770	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	61.08 9.36	20.81
22 13 16 00-0771	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	150.18 12.17	27.00
22 13 16 00-0772			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-0721)		
22 13 16 00-0773	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	29.65 5.12	11.36
22 13 16 00-0774	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	30.98 5.56	12.32
22 13 16 00-0775	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	37.01 7.37	16.35
22 13 16 00-0776	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	51.47 8.24	18.31
22 13 16 00-0777	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	57.80 8.93	19.81
22 13 16 00-0778	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	128.01 11.24	24.92
22 13 16 00-0779			Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes (22 13 16 00-0721)		
22 13 16 00-0780	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	35.82 6.24	13.86
22 13 16 00-0781	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	45.94 7.99	17.73
22 13 16 00-0782	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	85.68 10.73	23.84
22 13 16 00-0783	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	142.69 12.48	27.71



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0784			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes (22 13 16 00-0721)		
22 13 16 00-0785	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	41.35	15.82
			<i>For Work In Restricted Working Space, Add</i>	7.12	
22 13 16 00-0786	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	63.50	18.84
			<i>For Work In Restricted Working Space, Add</i>	8.49	
22 13 16 00-0787	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	68.26	20.81
			<i>For Work In Restricted Working Space, Add</i>	9.36	
22 13 16 00-0788	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	94.72	22.72
			<i>For Work In Restricted Working Space, Add</i>	10.24	
22 13 16 00-0789	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	118.75	25.75
			<i>For Work In Restricted Working Space, Add</i>	11.61	
22 13 16 00-0790			Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend (22 13 16 00-0721)		
22 13 16 00-0791	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	26.87	10.41
			<i>For Work In Restricted Working Space, Add</i>	4.68	
22 13 16 00-0792	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	34.62	13.31
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 13 16 00-0793	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	50.97	17.89
			<i>For Work In Restricted Working Space, Add</i>	8.05	
22 13 16 00-0794	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	75.32	18.63
			<i>For Work In Restricted Working Space, Add</i>	8.39	
22 13 16 00-0795			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend (22 13 16 00-0721)		
22 13 16 00-0796	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	30.38	12.32
			<i>For Work In Restricted Working Space, Add</i>	5.56	
22 13 16 00-0797	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	51.18	15.40
			<i>For Work In Restricted Working Space, Add</i>	6.93	
22 13 16 00-0798	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	42.10	16.35
			<i>For Work In Restricted Working Space, Add</i>	7.37	
22 13 16 00-0799	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	66.57	18.31
			<i>For Work In Restricted Working Space, Add</i>	8.24	
22 13 16 00-0800	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	72.09	19.81
			<i>For Work In Restricted Working Space, Add</i>	8.93	
22 13 16 00-0801			Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend (22 13 16 00-0721)		
22 13 16 00-0802	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	53.16	17.73
			<i>For Work In Restricted Working Space, Add</i>	7.99	
22 13 16 00-0803	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	96.94	23.84
			<i>For Work In Restricted Working Space, Add</i>	10.73	
22 13 16 00-0804			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend (22 13 16 00-0721)		
22 13 16 00-0805	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	45.06	15.82
			<i>For Work In Restricted Working Space, Add</i>	7.12	
22 13 16 00-0806	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	91.32	20.81
			<i>For Work In Restricted Working Space, Add</i>	9.36	
22 13 16 00-0807			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug (22 13 16 00-0721)		
22 13 16 00-0808	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	28.86	10.41
			<i>For Work In Restricted Working Space, Add</i>	4.68	
22 13 16 00-0809	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	36.60	13.31
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 13 16 00-0810	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	55.41	17.89
			<i>For Work In Restricted Working Space, Add</i>	8.05	
22 13 16 00-0811	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	84.61	20.81
			<i>For Work In Restricted Working Space, Add</i>	9.36	
22 13 16 00-0812			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug (22 13 16 00-0721)		
22 13 16 00-0813	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	14.95	6.95
			<i>For Work In Restricted Working Space, Add</i>	3.12	
22 13 16 00-0814	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	20.64	8.87
			<i>For Work In Restricted Working Space, Add</i>	3.99	
22 13 16 00-0815	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	29.16	11.90
			<i>For Work In Restricted Working Space, Add</i>	5.37	
22 13 16 00-0816	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	47.34	13.86
			<i>For Work In Restricted Working Space, Add</i>	6.24	
22 13 16 00-0817	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	99.89	18.01
			<i>For Work In Restricted Working Space, Add</i>	8.12	
22 13 16 00-0818			Acrylonitrile Butadiene Styrene (ABS) DWV Couplings (22 13 16 00-0721)		
22 13 16 00-0819	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	11.98	6.95
			<i>For Work In Restricted Working Space, Add</i>	3.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0820 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	14.96 3.99	8.87
22 13 16 00-0821 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	22.38 5.37	11.90
22 13 16 00-0822 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	28.22 6.24	13.86
22 13 16 00-0823 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	63.66 8.12	18.01
22 13 16 00-0824 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-0721)		
22 13 16 00-0825 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	15.83 3.56	7.90
22 13 16 00-0826 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	26.73 4.24	9.40
22 13 16 00-0827 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	26.16 4.68	10.41
22 13 16 00-0828 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	37.88 5.12	11.36
22 13 16 00-0829 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	41.13 5.81	12.90
22 13 16 00-0830 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0721)		
22 13 16 00-0831 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	23.30 4.68	10.41
22 13 16 00-0832 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	32.43 5.99	13.31
22 13 16 00-0833 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	83.91 8.05	17.89
22 13 16 00-0834 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	148.13 9.36	20.81
22 13 16 00-0835 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0721)		
22 13 16 00-0836 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	31.56 6.24	13.86
22 13 16 00-0837 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	29.43 5.81	12.90
22 13 16 00-0838 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0721)		
22 13 16 00-0839 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	7.20 1.56	3.45
22 13 16 00-0840 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	10.20 2.00	4.45
22 13 16 00-0841 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	19.27 2.69	5.95
22 13 16 00-0842 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	33.24 3.12	6.95
22 13 16 00-0843 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0721)		
22 13 16 00-0844 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	13.51 3.56	7.90
22 13 16 00-0845 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	23.05 4.24	9.40
22 13 16 00-0846 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	21.26 4.68	10.41
22 13 16 00-0847 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	37.59 5.12	11.36
22 13 16 00-0848 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	31.25 5.81	12.90
22 13 16 00-0849 EA 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	68.08 6.43	14.27
22 13 16 00-0850 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-0721)		
22 13 16 00-0851 EA 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	21.56 3.12	6.95
22 13 16 00-0852 EA 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	25.21 3.99	8.87
22 13 16 00-0853 EA 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	30.53 5.37	11.90
22 13 16 00-0854 EA 4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	34.19 6.24	13.86
22 13 16 00-0855 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe (22 13 16 00-0708)		
Note: In place piping.		
22 13 16 00-0856 EA 1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	3.05	
22 13 16 00-0857 EA 2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	3.35	
22 13 16 00-0858 EA 3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	4.27	
22 13 16 00-0859 EA 4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	5.76	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0860	EA		6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	8.23	
22 13 16 00-0861			Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings (22 13 16)		
22 13 16 00-0862			Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings (22 13 16 00-0861)		
			Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-0863	EA		1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	7.27	1.81
			For Work In Restricted Working Space, Add	1.08	
22 13 16 00-0864	EA		1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	7.19	1.92
			For Work In Restricted Working Space, Add	1.15	
22 13 16 00-0865	EA		2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	7.54	2.03
			For Work In Restricted Working Space, Add	1.22	
22 13 16 00-0866	EA		3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	8.98	2.15
			For Work In Restricted Working Space, Add	1.29	
22 13 16 00-0867	EA		4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	10.38	2.26
			For Work In Restricted Working Space, Add	1.35	
22 13 16 00-0868	EA		5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	13.96	2.37
			For Work In Restricted Working Space, Add	1.43	
22 13 16 00-0869	EA		6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	17.54	2.48
			For Work In Restricted Working Space, Add	1.49	
22 13 16 00-0870	EA		8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	24.76	2.71
			For Work In Restricted Working Space, Add	1.63	
22 13 16 00-0871	EA		10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	33.20	3.16
			For Work In Restricted Working Space, Add	1.90	
22 13 16 00-0872			Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Couplings (22 13 16 00-0861)		
			Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-0873	EA		1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	7.75	1.92
			For Work In Restricted Working Space, Add	1.15	
22 13 16 00-0874	EA		2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	7.74	2.03
			For Work In Restricted Working Space, Add	1.22	
22 13 16 00-0875	EA		3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	11.15	2.15
			For Work In Restricted Working Space, Add	1.29	
22 13 16 00-0876	EA		3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	9.55	2.15
			For Work In Restricted Working Space, Add	1.29	
22 13 16 00-0877	EA		4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	14.52	2.26
			For Work In Restricted Working Space, Add	1.35	
22 13 16 00-0878	EA		4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	13.70	2.26
			For Work In Restricted Working Space, Add	1.35	
22 13 16 00-0879	EA		4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	12.17	2.26
			For Work In Restricted Working Space, Add	1.35	
22 13 16 00-0880	EA		5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	19.48	2.37
			For Work In Restricted Working Space, Add	1.43	
22 13 16 00-0881	EA		5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	17.15	2.37
			For Work In Restricted Working Space, Add	1.43	
22 13 16 00-0882	EA		6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	25.00	2.48
			For Work In Restricted Working Space, Add	1.49	
22 13 16 00-0883	EA		6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	21.52	2.48
			For Work In Restricted Working Space, Add	1.49	
22 13 16 00-0884	EA		6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	22.49	2.48
			For Work In Restricted Working Space, Add	1.49	
22 13 16 00-0885	EA		8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	44.88	4.51
			For Work In Restricted Working Space, Add	2.71	
22 13 16 00-0886	EA		8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	35.22	4.51
			For Work In Restricted Working Space, Add	2.71	
22 13 16 00-0887	EA		10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	45.81	5.08
			For Work In Restricted Working Space, Add	3.05	
22 13 16 00-0888			Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Caps (22 13 16)		
			Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp. Fernco QC.		
22 13 16 00-0889	EA		1-1/2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	22.21	12.20
22 13 16 00-0890	EA		2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	24.05	12.97
22 13 16 00-0891	EA		3" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	28.14	14.86
22 13 16 00-0892	EA		4" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	36.99	19.66
22 13 16 00-0893	EA		5" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	44.51	23.50
22 13 16 00-0894	EA		6" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	50.64	27.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0895 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	71.67	34.34
22 13 16 00-0896 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (22 13 16)		
Note: Josam 26450 Series.		
22 13 16 00-0897 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	40.46	9.36
22 13 16 00-0898 EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	42.55	10.41
22 13 16 00-0899 EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	64.32	13.53
22 13 16 00-0900 EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	75.48	15.60
22 13 16 00-0901 EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	88.17	17.69
22 13 16 00-0902 EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	151.35	19.77
22 13 16 00-0903 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (22 13 16)		
Note: Josam 26440 Series		
22 13 16 00-0904 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	86.28	9.36
22 13 16 00-0905 EA 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	88.37	10.41
22 13 16 00-0906 EA 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	104.71	13.53
22 13 16 00-0907 EA 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	131.38	15.60
22 13 16 00-0908 EA 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	180.59	17.69
22 13 16 00-0909 EA 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	184.75	19.77
22 13 16 00-0910 Cast Iron Vandal Proof Hooded Vent Cap (22 13 16)		
Note: Includes counterflashing collar, deep protective hood and recessed securing screws. Josam 26700 Series.		
22 13 16 00-0911 EA 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	167.82	9.36
22 13 16 00-0912 EA 2" Cast Iron Vandal Proof Hooded Vent Cap.....	169.91	10.41
22 13 16 00-0913 EA 3" Cast Iron Vandal Proof Hooded Vent Cap.....	194.79	13.53
22 13 16 00-0914 EA 4" Cast Iron Vandal Proof Hooded Vent Cap.....	219.14	15.60
22 13 16 00-0915 EA 5" Cast Iron Vandal Proof Hooded Vent Cap.....	255.92	17.69
22 13 16 00-0916 EA 6" Cast Iron Vandal Proof Hooded Vent Cap.....	279.49	19.77
22 13 19 Sanitary Waste Piping Specialties (22 13)		
22 13 19 13 Sanitary Drains (22 13 19)		
22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)		
22 13 19 13-0002 EA 6" Round Top Floor Drain With 1-1/2" Outlet, Bronze Top.....	205.55	44.73
<i>For Sediment Bucket, Add</i> 22.50		
<i>For Galvanized Cast Iron Parts, Add</i> 40.00		
<i>For Vandal Proof Screws, Add</i> 11.00		
22 13 19 13-0003 EA 6" Round Top Floor Drain With 2" Outlet, Bronze Top.....	226.73	50.14
<i>For Sediment Bucket, Add</i> 22.50		
<i>For Galvanized Cast Iron Parts, Add</i> 40.00		
<i>For Vandal Proof Screws, Add</i> 11.00		
22 13 19 13-0004 EA 6" Round Top Floor Drain With 3" Outlet, Bronze Top.....	227.06	55.47
<i>For Sediment Bucket, Add</i> 22.50		
<i>For Galvanized Cast Iron Parts, Add</i> 40.00		
<i>For Vandal Proof Screws, Add</i> 11.00		
22 13 19 13-0005 EA 6" Round Top Floor Drain With 4" Outlet, Bronze Top.....	238.49	61.20
<i>For Sediment Bucket, Add</i> 22.50		
<i>For Galvanized Cast Iron Parts, Add</i> 40.00		
<i>For Vandal Proof Screws, Add</i> 11.00		
22 13 19 13-0006 EA 9" Round Top Floor Drain With 2" Outlet, Cast Iron Top.....	211.00	50.14
<i>For Ductile Iron Grate, Add</i> 48.00		
<i>For Cast Iron Dome Grate, Add</i> 17.00		
<i>For Nikaloy Dome Grate, Add</i> 178.50		
<i>For Bronze Dome Grate, Add</i> 143.00		
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i> 57.50		
<i>For Galvanized Extension Collar, Each 3", Add</i> 117.50		
<i>For Galvanized Cast Iron Parts, Add</i> 87.50		
<i>For Vandal Proof Screws, Add</i> 30.50		
22 13 19 13-0007 EA 9" Round Top Floor Drain With 3" Outlet, Cast Iron Top.....	221.70	55.47
<i>For Ductile Iron Grate, Add</i> 48.00		
<i>For Cast Iron Dome Grate, Add</i> 17.00		
<i>For Nikaloy Dome Grate, Add</i> 178.50		
<i>For Bronze Dome Grate, Add</i> 143.00		
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i> 57.50		
<i>For Galvanized Extension Collar, Each 3", Add</i> 117.50		
<i>For Galvanized Cast Iron Parts, Add</i> 87.50		
<i>For Vandal Proof Screws, Add</i> 30.50		
22 13 19 13-0008 EA 9" Round Top Floor Drain With 4" Outlet, Cast Iron Top.....	233.13	61.20
<i>For Ductile Iron Grate, Add</i> 48.00		
<i>For Cast Iron Dome Grate, Add</i> 17.00		
<i>For Nikaloy Dome Grate, Add</i> 178.50		
<i>For Bronze Dome Grate, Add</i> 143.00		
<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i> 57.50		
<i>For Galvanized Extension Collar, Each 3", Add</i> 117.50		
<i>For Galvanized Cast Iron Parts, Add</i> 87.50		
<i>For Vandal Proof Screws, Add</i> 30.50		

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0009	EA		9" Round Top Floor Drain With 2" Outlet, Nikaloy Top	321.22	50.14
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0010	EA		9" Round Top Floor Drain With 3" Outlet, Nikaloy Top	331.92	55.47
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0011	EA		9" Round Top Floor Drain With 4" Outlet, Nikaloy Top	343.35	61.20
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0012	EA		9" Round Top Floor Drain With 2" Outlet, Bronze Top	305.16	50.14
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0013	EA		9" Round Top Floor Drain With 3" Outlet, Bronze Top	315.80	55.47
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0014	EA		9" Round Top Floor Drain With 4" Outlet, Bronze Top	327.29	61.20
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0015	EA		12-5/8" Round Top Floor Drain With 2" Outlet, Cast Iron Top	330.80	50.10
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0016	EA		12-5/8" Round Top Floor Drain With 3" Outlet, Cast Iron Top	341.48	55.47
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0017	EA		12-5/8" Round Top Floor Drain With 4" Outlet, Cast Iron Top	352.97	61.20
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0018 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Nikaloy Top.....	495.58	50.10
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0019 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Nikaloy Top.....	506.26	55.47
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0020 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Nikaloy Top.....	517.75	61.20
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0021 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Bronze Top.....	473.65	50.10
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0022 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Bronze Top.....	484.33	55.47
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0023 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Bronze Top.....	495.82	61.20
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0024 Square Or Rectangular Top Drains (22 13 19 13)		
22 13 19 13-0025 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	241.46	50.10
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0026 EA 5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	252.26	55.51
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0027 EA 5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	263.63	61.20
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0028 EA 6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	257.51	50.10
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0029 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	268.31	55.51
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	40.00	
For Vandal Proof Screws, Add	11.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0030	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	279.68	61.20
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0031	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	328.13	50.10
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0032	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	338.93	55.51
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0033	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	350.30	61.20
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0034	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	229.69	50.10
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0035	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	240.49	55.51
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0036	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	251.86	61.20
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0037	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	250.02	50.10
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0038	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top.....	260.82	55.51
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0039	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top.....	272.19	61.20
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0040	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top.....	307.26	50.10
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0041	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	318.06	55.51
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0042	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top.....	329.43	61.20
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0043	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top.....	731.08	55.51
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0044	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top.....	742.45	61.20
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0045	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top.....	905.50	55.51
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0046	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top.....	916.87	61.20
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0047	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top.....	884.63	55.51
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0048	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top.....	896.00	61.20
			<i>For Galvanized Cast Iron Parts, Add</i>	212.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0049	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	332.41	50.10
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0050	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	343.21	55.51
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0051	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	354.58	61.20
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0052	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	415.34 120.94 22.50 11.00	50.10
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	426.14 120.94 22.50 11.00	55.51
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	437.51 120.94 22.50 11.00	61.20
22 13 19 13-0055	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	434.60 120.94 22.50 11.00	50.10
22 13 19 13-0056	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	445.40 120.94 22.50 11.00	55.51
22 13 19 13-0057	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	456.77 120.94 22.50 11.00	61.20
22 13 19 13-0058	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	583.86 120.94 22.50 11.00	50.10
22 13 19 13-0059	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	594.66 120.94 22.50 11.00	55.51
22 13 19 13-0060	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	606.03 120.94 22.50 11.00	61.20
22 13 19 13-0061	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	315.29 120.94 22.50 11.00	50.10
22 13 19 13-0062	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	326.09 120.94 22.50 11.00	55.51
22 13 19 13-0063	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	337.46 120.94 22.50 11.00	61.20
22 13 19 13-0064	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	385.91 120.94 22.50 11.00	50.10
22 13 19 13-0065	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	396.71 120.94 22.50 11.00	55.51
22 13 19 13-0066	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	408.08 120.94 22.50 11.00	61.20
22 13 19 13-0067	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	405.17 120.94 22.50 11.00	50.10
22 13 19 13-0068	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	415.97 120.94 22.50 11.00	55.51
22 13 19 13-0069	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	427.34 120.94 22.50 11.00	61.20
22 13 19 13-0070	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	526.62 120.94 22.50 11.00	50.10
22 13 19 13-0071	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	537.42 120.94 22.50 11.00	55.51
22 13 19 13-0072	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	548.79 120.94 22.50 11.00	61.20
22 13 19 13-0073	EA		12-1/4" x 12" Top With Latching Grate, 2" To 6" Outlet, Floor Drain With Cast Iron Body & Cast Iron Top	570.19	61.20

22 13 19 13-0074 Funnel Type Floor Drains (22 13 19 13)

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0075	EA		7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top.....	311.50	44.73
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0076	EA		7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top.....	322.24	50.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0077	EA		7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top.....	332.92	55.47
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0078	EA		7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top.....	344.41	61.20
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0079	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top.....	442.62	50.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0080	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top.....	453.30	55.47
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0081	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top.....	464.79	61.20
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0082	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top.....	421.76	50.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0083	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top.....	432.44	55.47
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0084	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top.....	443.93	61.20
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0085			Floor Drain With Sediment Bucket Bottom Outlet^(22 13 19 13)		
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap.....	617.49	44.73
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap.....	628.26	50.10
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap.....	638.94	55.47
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0089	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	650.43	61.20
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0090	EA		12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	662.27	67.12
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	668.92	50.10
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0092	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	679.72	55.51
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	691.09	61.20
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	702.93	67.12
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	427.64	50.10
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	438.44	55.51
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	449.81	61.20
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	461.65	67.12
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0099	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	627.20	50.10
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0100	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	638.00	55.51
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0101	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	649.37	61.20
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0102	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	661.21	67.12
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0103			Other Drains <small>(22 13 19 13)</small>		
22 13 19 13-0104			Shower Drains <small>(22 13 19 13-0103)</small>		
22 13 19 13-0105	EA		4-1/4" Stainless Steel Shower Drain Strainer	25.43	4.51
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA		4-1/4" Brass Shower Drain Strainer	28.69	4.51
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0107	EA		4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe	57.29	9.04
			Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0108	EA		4" Chrome Finish, Threaded Brass Shower Drain And Gasket	76.02	9.04
			Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0109			Acid Resistant Floor Drains <small>(22 13 19 13-0103)</small>		
22 13 19 13-0110	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	313.61	44.73
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0111	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	324.38	50.10
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0112	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	335.06	55.47
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0113			Rotary And Lever Drains <small>(22 13 19 13-0103)</small>		
22 13 19 13-0114	EA		Lever Drain, 1-1/2" Drain, 3" Sink Opening	116.99	30.17
22 13 19 13-0115	EA		Lever Drain, 2" Drain, 3" Sink Opening	123.23	33.29
22 13 19 13-0116	EA		Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	116.99	30.17
22 13 19 13-0117	EA		Lever Drain, 2" Drain, 3-1/2" Sink Opening	123.23	33.29
22 13 19 13-0118	EA		Twist Drain, 1-1/2" Drain, 3" Sink Opening	116.99	30.17
22 13 19 13-0119	EA		Twist Drain, 2" Drain, 3" Sink Opening	123.23	33.29
22 13 19 13-0120	EA		Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening	116.99	30.17
22 13 19 13-0121	EA		Twist Drain, 2" Drain, 3-1/2" Sink Opening	123.23	33.29
22 13 19 13-0122	EA		Rotary Twist Drain, 1-1/2"-2" Drain, 3-1/2" Sink Opening (Fisher 16100)	166.94	33.29



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 19 13-0123	Floor Receptor <small>(22 13 19 13)</small>		
22 13 19 13-0124	9" Diameter Round Shallow Receptor <small>(22 13 19 13-0123)</small>		
	Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0125	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection.....	380.62	50.14
	For Flange With Seepage Holes, Add	58.50	
	For Flange With Seepage Holes And Clamp Collar, Add	97.00	
	For Trap Primer Connection, Add	38.00	
	For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00	
	For Vandal Proof Secured Grate, Add	33.50	
	For White Acid Resistant Bucket, Add	47.00	
	For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0126	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection.....	391.48	55.55
	For Flange With Seepage Holes, Add	58.50	
	For Flange With Seepage Holes And Clamp Collar, Add	97.00	
	For Trap Primer Connection, Add	38.00	
	For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00	
	For Vandal Proof Secured Grate, Add	33.50	
	For White Acid Resistant Bucket, Add	47.00	
	For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0127	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection.....	402.73	61.20
	For Flange With Seepage Holes, Add	58.50	
	For Flange With Seepage Holes And Clamp Collar, Add	97.00	
	For Trap Primer Connection, Add	38.00	
	For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00	
	For Vandal Proof Secured Grate, Add	33.50	
	For White Acid Resistant Bucket, Add	47.00	
	For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0128	Square Top Floor Receptors <small>(22 13 19 13-0123)</small>		
	Note: With acid resistant coating.		
22 13 19 13-0129	EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	436.16	44.73
	For Flange With Seepage Holes, Add	37.50	
	For Flange With Seepage Holes And Clamp Collar, Add	69.00	
	For Trap Primer Connection, Add	39.50	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Vandal Proof Secured Grate, Add	15.50	
	For White Acid Resistant Bucket, Add	88.00	
	For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0130	EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	446.94	50.14
	For Flange With Seepage Holes, Add	37.50	
	For Flange With Seepage Holes And Clamp Collar, Add	69.00	
	For Trap Primer Connection, Add	39.50	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Vandal Proof Secured Grate, Add	15.50	
	For White Acid Resistant Bucket, Add	88.00	
	For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0131	EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	457.58	55.47
	For Flange With Seepage Holes, Add	37.50	
	For Flange With Seepage Holes And Clamp Collar, Add	69.00	
	For Trap Primer Connection, Add	39.50	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Vandal Proof Secured Grate, Add	15.50	
	For White Acid Resistant Bucket, Add	88.00	
	For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0132	EA 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	469.07	61.20
	For Flange With Seepage Holes, Add	37.50	
	For Flange With Seepage Holes And Clamp Collar, Add	69.00	
	For Trap Primer Connection, Add	39.50	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Vandal Proof Secured Grate, Add	15.50	
	For White Acid Resistant Bucket, Add	88.00	
	For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0133	Floor Drain Accessories <small>(22 13 19 13)</small>		
22 13 19 13-0134	EA 3" Trap Guard Floor Drain Insert (ProVent TG3H).....	56.68	5.20
	Note: Prevents emission of sewer gases.		
22 13 19 13-0135	EA 2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22).....	45.11	5.20
	Note: Prevents emission of sewer gases.		
22 13 19 13-0136	EA 3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33).....	49.74	5.20
	Note: Prevents emission of sewer gases.		
22 13 19 13-0137	EA 3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	61.30	5.20
	Note: Prevents emission of sewer gases.		
22 13 19 13-0138	EA 3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	54.36	5.20
	Note: Prevents emission of sewer gases.		
22 13 19 13-0139	EA 2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02)	79.99	5.20
	Note: Prevents emission of sewer gases.		
22 13 19 13-0140	EA 3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03)	89.31	5.20
	Note: Prevents emission of sewer gases.		
22 13 19 13-0141	EA 4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04)	112.42	5.20
	Note: Prevents emission of sewer gases.		

22 13 19 26 Grease Removal Devices (22 13 19)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0001			Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26)</small> Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002			Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0001)</small> Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA		7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 679.10 Note: Josam 60102H.		31.21
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,220.82	
22 13 19 26-0004	EA		10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 793.81 Note: Josam 60103H.		70.22
			<i>For Flange And Clamp Device, Add</i>	306.98	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,283.66	
22 13 19 26-0005	EA		15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 1,140.72 Note: Josam 60104H.		78.02
			<i>For Flange And Clamp Device, Add</i>	312.18	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,399.94	
22 13 19 26-0006	EA		20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 1,383.31 Note: Josam 60105H.		85.82
			<i>For Flange And Clamp Device, Add</i>	317.38	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,510.78	
22 13 19 26-0007	EA		25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 1,550.37 Note: Josam 60106H.		93.63
			<i>For Flange And Clamp Device, Add</i>	352.98	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,566.90	
22 13 19 26-0008	EA		35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 1,907.69 Note: Josam 60107H.		109.23
			<i>For Flange And Clamp Device, Add</i>	374.58	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,714.99	
22 13 19 26-0009	EA		50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 2,499.98 Note: Josam 60108H.		124.83
			<i>For Flange And Clamp Device, Add</i>	425.94	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,816.03	
22 13 19 26-0010	EA		75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 4,983.03 Note: Josam 60109H.		140.43
			<i>For Flange And Clamp Device, Add</i>	637.63	
22 13 19 26-0011	EA		100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 5,621.79 Note: Josam 60110H.		169.91
			<i>For Flange And Clamp Device, Add</i>	721.27	
22 13 19 26-0012	EA		150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 6,892.32 Note: Josam 60213A.		271.84
			<i>For Flange And Clamp Device, Add</i>	949.24	
22 13 19 26-0013	EA		200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 9,925.94 Note: Josam 60214A.		339.81
			<i>For Flange And Clamp Device, Add</i>	1,123.82	
22 13 19 26-0014	EA		250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 11,570.79 Note: Josam 60215A.		407.77
			<i>For Flange And Clamp Device, Add</i>	1,482.09	
22 13 19 26-0015	EA		350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 15,072.79 Note: Josam 60216A.		475.73
			<i>For Flange And Clamp Device, Add</i>	1,765.16	
22 13 19 26-0016	EA		500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor 19,551.15 Note: Josam 60217A.		543.70
			<i>For Flange And Clamp Device, Add</i>	2,083.75	
22 13 19 26-0017			Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0001)</small> Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA		20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor 2,016.35 Note: Josam 60115A.		85.82
22 13 19 26-0019	EA		35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor 2,594.68 Note: Josam 60117A.		109.23
22 13 19 26-0020	EA		50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor 4,315.99 Note: Smith 8150.		124.83
22 13 19 26-0021			Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26)</small> Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022			Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small> Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA		7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor 1,780.53 Note: Josam 60102-SA.		31.21
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,220.82	
22 13 19 26-0024	EA		10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor 2,095.87 Note: Josam 60103-SA.		70.22
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,283.66	
22 13 19 26-0025	EA		15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor 2,237.35 Note: Josam 60104-SA.		78.02
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,399.94	
22 13 19 26-0026	EA		20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor 2,736.52 Note: Josam 60105-SA.		85.82
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,510.78	
22 13 19 26-0027	EA		25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor 3,305.23 Note: Josam 60106-SA.		93.63
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,566.90	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0028	EA		35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor.....	3,409.57	109.23
			Note: Josam 60107-SA.		
			For Steel Enclosure Cabinet With Non Skid Cover, Add	1,714.99	
22 13 19 26-0029	EA		50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor.....	3,891.96	124.83
			Note: Josam 60108-SA.		
			For Steel Enclosure Cabinet With Non Skid Cover, Add	1,816.03	
22 13 19 26-0030			Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021)		
			Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA		35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor.....	4,605.31	109.23
			Note: Josam 60115A-SA.		
22 13 19 26-0032			Automatic Cleaning Stainless Steel Grease Interceptor (22 13 19 26)		
			Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer.		
22 13 19 26-0033	EA		20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor.....	3,883.36	85.82
			Note: Lowe Engineering 20 Greasestopper.		
22 13 19 26-0034	EA		25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor.....	4,527.98	93.63
			Note: Lowe Engineering 25 Greasestopper.		
22 13 19 26-0035			Precast Concrete Grease Interceptor (22 13 19 26)		
			Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0036	EA		1,000 Gallon Pre-Cast Grease Interceptor.....	2,897.15	147.53
22 13 19 26-0037	EA		1,250 Gallon Pre-Cast Grease Interceptor.....	3,325.15	147.53
22 13 19 26-0038	EA		1,500 Gallon Pre-Cast Grease Interceptor.....	3,773.41	168.66
22 13 19 26-0039	EA		2,000 Gallon Pre-Cast Grease Interceptor.....	4,271.35	238.20
22 13 19 26-0040	EA		2,500 Gallon Pre-Cast Grease Interceptor.....	4,783.66	320.48
22 13 19 26-0041	EA		4,000 Gallon Pre-Cast Grease Interceptor.....	7,203.91	421.64
22 13 19 26-0042	EA		5,000 Gallon Pre-Cast Grease Interceptor.....	9,175.07	691.43
22 13 19 26-0043			Coated Steel Manual Oil Interceptor (22 13 19 26)		
			Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0044	EA		10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	1,951.21	118.83
22 13 19 26-0045	EA		15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	2,633.46	141.19
22 13 19 26-0046	EA		20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,188.31	173.72
22 13 19 26-0047	EA		25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,462.57	188.18
22 13 19 26-0048	EA		35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,162.09	205.35
22 13 19 26-0049	EA		50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,498.28	225.91
22 13 19 26-0050	EA		75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	9,260.22	260.07
22 13 19 26-0051	EA		100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	10,115.22	319.99
22 13 19 26-0052	EA		150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	12,431.18	346.82
22 13 19 26-0053	EA		200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	17,415.70	416.10
22 13 19 26-0054	EA		250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	20,098.92	447.32
22 13 19 26-0055	EA		350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	25,331.17	533.45
22 13 19 26-0056	EA		400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	30,640.68	437.13
22 13 19 26-0057	EA		500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	36,296.68	520.13
22 13 19 33			Backwater Valves (22 13 19)		
22 13 19 33-0001			Cast Iron Body Terminal Backwater Valves (22 13 19 33)		
22 13 19 33-0002	EA		2" Cast Iron Body Terminal Backwater Valve.....	221.80	11.95
22 13 19 33-0003	EA		3" Cast Iron Body Terminal Backwater Valve.....	226.38	15.03
22 13 19 33-0004	EA		4" Cast Iron Body Terminal Backwater Valve.....	327.19	19.97
22 13 19 33-0005	EA		6" Cast Iron Body Terminal Backwater Valve.....	888.51	26.05
22 13 19 33-0006	EA		8" Cast Iron Body Terminal Backwater Valve.....	1,085.25	34.29
22 13 19 33-0007	EA		10" Cast Iron Body Terminal Backwater Valve.....	3,170.73	42.30
22 13 19 33-0008	EA		12" Cast Iron Body Terminal Backwater Valve.....	3,588.15	54.86
22 13 19 33-0009			Cast Iron Backwater Sewer Line Valve (22 13 19 33)		
			Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA		2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	545.63	28.47
22 13 19 33-0011	EA		3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	835.72	34.54
22 13 19 33-0012	EA		4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,032.84	44.53
22 13 19 33-0013	EA		6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,450.04	47.33
22 13 19 33-0014	EA		8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	2,016.66	56.09
22 13 19 33-0015			Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33)		
			Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA		3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	1,504.31	45.07
22 13 19 33-0017	EA		4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	1,526.61	59.92
22 13 19 33-0018	EA		5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,220.83	70.09
22 13 19 33-0019	EA		6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,233.02	78.15
22 13 19 36			Air-Admittance Valves (22 13 19)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent <small>(22 13 19 36)</small>		
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	81.90	5.83
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	97.79	5.83
22 13 23 Sanitary Waste Interceptors <small>(22 13)</small>		
22 13 23 00-0001 Sediment Bucket Solids Interceptors <small>(22 13 23)</small>		
22 13 23 00-0002 EA 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180).....	677.20	58.93
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184).....	678.08	58.93
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0004 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO).....	964.73	58.93
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0005 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO).....	964.73	58.93
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030)	1,029.62	58.93
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap <small>(22 13 23)</small>		
22 13 23 00-0008 EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	267.53	20.15
For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0009 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel	270.11	21.46
For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0010 Sediment Strainers <small>(22 13 23)</small>		
22 13 23 00-0011 EA 2" Strainer, Pump Suction Side	68.57	27.45
22 13 29 Sanitary Sewerage Pumps <small>(22 13)</small>		
Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps <small>(22 13 29)</small>		
22 13 29 13-0001 Vertical Non-Clog Sewage Pumps <small>(22 13 29 13)</small>		
22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sewage Pumps <small>(22 13 29 13-0001)</small>		
22 13 29 13-0003 EA 1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,074.28	499.16
22 13 29 13-0004 EA 3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,509.21	499.16
22 13 29 13-0005 EA 1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,944.14	499.16
22 13 29 13-0006 EA 1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	9,358.99	499.16
22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sewage Pumps <small>(22 13 29 13-0001)</small>		
22 13 29 13-0008 EA 3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,278.70	499.16
22 13 29 13-0009 EA 1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,445.98	499.16
22 13 29 13-0010 EA 2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,563.08	499.16
22 13 29 13-0011 EA 3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	10,366.02	499.16
22 13 29 13-0012 EA 5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	11,152.24	499.16
22 13 29 13-0013 EA 7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	12,356.65	499.16
22 13 29 13-0014 EA 10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	13,561.07	499.16
22 13 29 13-0015 EA 15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	15,095.71	664.28
22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sewage Pumps <small>(22 13 29 13-0001)</small>		
22 13 29 13-0017 EA 2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,116.88	499.16
22 13 29 13-0018 EA 3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,116.88	499.16
22 13 29 13-0019 EA 5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,406.70	499.16
22 13 29 13-0020 EA 7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	12,655.47	499.16
22 13 29 13-0021 EA 10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	13,049.95	499.16
22 13 29 13-0022 EA 15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	15,234.48	664.28
22 13 29 13-0023 EA 20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	16,238.16	664.28
22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less <small>(22 13 29 13-0001)</small>		
22 13 29 13-0025 EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	555.84	
22 13 29 13-0026 EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	667.40	
22 13 29 13-0027 EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	745.98	
22 13 29 13-0028 EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	759.56	
22 13 29 13-0029 EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	852.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 29 13-0030			Float Switches (22 13 29 13-0001) Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA		Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	499.58	
22 13 29 13-0032	EA		Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	524.80	
22 13 29 13-0033	EA		Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	536.44	
22 13 29 13-0034			Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035	EA		24" Steel Sump Covers, Square Or Round.....	445.69	16.65
22 13 29 13-0036	EA		30" Steel Sump Covers, Square Or Round.....	493.25	18.72
22 13 29 13-0037	EA		36" Steel Sump Covers, Square Or Round.....	685.56	24.96
22 13 29 13-0038	EA		40" Steel Sump Covers, Square Or Round.....	1,002.74	29.13
22 13 29 13-0039	EA		42" Steel Sump Covers, Square Or Round.....	1,076.23	30.17
22 13 29 13-0040	EA		48" Steel Sump Covers, Square Or Round.....	1,151.83	31.21
22 13 29 13-0041	EA		54" Steel Sump Covers, Square Or Round.....	1,469.80	37.45
22 13 29 13-0042	EA		60" Steel Sump Covers, Square Or Round.....	2,001.30	41.61
22 13 29 13-0043	EA		72" Steel Sump Covers, Square Or Round.....	2,538.05	52.02
22 13 29 13-0044	EA		84" Steel Sump Covers, Square Or Round.....	3,236.17	57.21
22 13 29 16			Submersible Sewerage Pumps (22 13 29) Note: Includes 25' of cord with pumps unless otherwise noted.		
22 13 29 16-0001			Submersible Sewerage Pumps With Vortex Impeller (22 13 29 16)		
22 13 29 16-0002			Submersible Sewerage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)		
22 13 29 16-0003	EA		1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	437.06	30.27
22 13 29 16-0004	EA		1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	598.03	30.27
22 13 29 16-0005	EA		1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	716.39	37.84
22 13 29 16-0006			Submersible Sewerage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)		
22 13 29 16-0007	EA		1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	694.68	30.27
22 13 29 16-0008	EA		1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	847.88	37.84
22 13 29 16-0009	EA		1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	984.00	60.99
22 13 29 16-0010	EA		2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,054.88	74.54
22 13 29 16-0011			Submersible Sewerage Pumps With Semi-Open Impeller (22 13 29 16)		
22 13 29 16-0012	EA		1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,582.37	37.84
22 13 29 16-0013	EA		1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,697.18	62.58
22 13 29 16-0014	EA		2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,197.07	76.49
22 13 29 16-0015	EA		3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,546.38	92.72
22 13 29 16-0016	EA		5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,967.04	108.94
22 13 29 16-0017	EA		7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,067.83	125.17
22 13 29 16-0018			Submersible Sewerage Pumps Accessories (22 13 29 16)		
22 13 29 16-0019	EA		Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump	252.46	38.28
			Note: Includes alarm horn, warning light, and single control float switches.		
22 13 29 16-0020	EA		Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump	650.66	51.04
			Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0021	EA		Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	867.99	51.04
			Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0022	EA		Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump	958.63	63.80
			Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0023	EA		High-water Alarm For Submersible Sewage Pump.....	200.44	25.52
22 13 29 16-0024	EA		Float Switch For Submersible Sewage Pump	70.53	12.76
22 13 29 16-0025	EA		Rail System With 2" Discharge For Submersible Sewage Pump	391.00	38.28
22 13 29 33			Sewerage Pump Basins And Pits (22 13 29)		
22 13 29 33-0001			Sewage Sump Pump Basin (22 13 29 33)		
22 13 29 33-0002			High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)		
22 13 29 33-0003	EA		18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	92.36	
22 13 29 33-0004	EA		18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	122.16	
22 13 29 33-0005	EA		24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	296.21	
22 13 29 33-0006	EA		24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	421.28	
22 13 29 33-0007	EA		30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	546.35	
22 13 29 33-0008	EA		36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	637.39	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 29 33-0009			Fiberglass Basin <small>(22 13 29 33-0001)</small>		
22 13 29 33-0010	EA		18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	174.08	
22 13 29 33-0011	EA		24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	354.19	
22 13 29 33-0012	EA		30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	636.21	
22 13 29 33-0013	EA		36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	856.49	
22 13 29 33-0014	EA		36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	986.91	
22 13 29 33-0015	EA		36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	1,042.32	
22 13 29 33-0016	EA		36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	1,224.55	
22 13 29 33-0017	EA		48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,422.03	

22 14 Facility Storm Drainage (22 10)

22 14 13 Facility Storm Drainage Piping (22 14)
See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains (22 14)

22 14 26 13 Roof Drains (22 14 26)

22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)

Note: Dome free area is 124 square inches.

22 14 26 13-0003	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	294.38	69.36
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Bronze Dome, Add</i>	170.50	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0004	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	329.06	83.22
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Bronze Dome, Add</i>	170.50	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0005	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	363.73	104.03
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Bronze Dome, Add</i>	170.50	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0006	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	482.63	124.83
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Bronze Dome, Add</i>	170.50	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0007	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	499.96	138.69
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Bronze Dome, Add</i>	170.50	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0008	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	580.21	145.64
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Bronze Dome, Add</i>	170.50	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0009	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	757.52	150.84
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Bronze Dome, Add</i>	170.50	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	

22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint (22 14 26 13-0001)

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	439.90	69.36
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0012	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	484.75	83.22
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0013	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	539.21	104.03
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0014	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	737.83	124.83
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0015	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	792.07	138.69
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0016			Cast Iron Roof Drains With Flat Bronze Promenade Top <small>(22 14 26 13-0001)</small>		
22 14 26 13-0017	EA		14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	583.28	69.36
			<i>For Galvanized Iron Parts, Add</i>	182.50	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0018	EA		14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	617.96	83.22
			<i>For Galvanized Iron Parts, Add</i>	182.50	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0019	EA		14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	652.63	104.03
			<i>For Galvanized Iron Parts, Add</i>	182.50	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0020	EA		14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	767.25	124.83
			<i>For Galvanized Iron Parts, Add</i>	182.50	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0021	EA		14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	784.58	138.69
			<i>For Galvanized Iron Parts, Add</i>	182.50	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	75.50	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0022			Cast Iron Scupper Drain With L-Shaped Bronze Grate <small>(22 14 26 13-0001)</small>		
22 14 26 13-0023	EA		Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	366.85	27.75
			<i>For Galvanized Iron Parts, Add</i>	49.00	
			<i>For Vandal Proof Grate, Add</i>	11.00	
22 14 26 13-0024	EA		Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	380.72	34.66
			<i>For Galvanized Iron Parts, Add</i>	49.00	
			<i>For Vandal Proof Grate, Add</i>	11.00	
22 14 26 13-0025	EA		Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	387.02	37.82
			<i>For Galvanized Iron Parts, Add</i>	98.00	
			<i>For Vandal Proof Grate, Add</i>	11.00	
22 14 26 13-0026	EA		Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	542.70	50.14
			<i>For Galvanized Iron Parts, Add</i>	98.00	
			<i>For Vandal Proof Grate, Add</i>	11.00	
22 14 26 13-0027	EA		Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	564.83	61.20
			<i>For Galvanized Iron Parts, Add</i>	98.00	
			<i>For Vandal Proof Grate, Add</i>	11.00	
22 14 26 13-0028			Cast Iron Roof Drain With Flat Cast Iron Grate <small>(22 14 26 13-0001)</small>		
			Note: Grate free area is 27 square inches.		
22 14 26 13-0029	EA		9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	319.00	69.36
			<i>For Galvanized Iron Parts, Add</i>	55.00	
			<i>For Bronze Grate, Add</i>	78.50	
			<i>For Deck Clamp, Add</i>	31.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	72.00	
22 14 26 13-0030	EA		9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	353.68	83.22
			<i>For Galvanized Iron Parts, Add</i>	55.00	
			<i>For Bronze Grate, Add</i>	78.50	
			<i>For Deck Clamp, Add</i>	31.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	72.00	
22 14 26 13-0031	EA		9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	388.35	104.03
			<i>For Galvanized Iron Parts, Add</i>	55.00	
			<i>For Bronze Grate, Add</i>	78.50	
			<i>For Deck Clamp, Add</i>	31.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	72.00	
22 14 26 13-0032			Cast Iron Roof Drains With Large Cast Iron Dome <small>(22 14 26 13-0001)</small>		
22 14 26 13-0033	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	340.40	69.36
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0034	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	375.08	83.22
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0035	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	409.75	104.03
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0036	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	528.64	124.83
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0037	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	545.97	138.69
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0038	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	626.22	145.64
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0039	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	803.53	150.84
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0040			Aluminum Roof Drains (22 14 26 13)		
22 14 26 13-0041			Aluminum Dome Roof Drains (22 14 26 13-0040)		
22 14 26 13-0042	EA		15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	348.42	69.36
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0043	EA		15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	383.10	83.22
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0044	EA		15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	417.77	104.03
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0045	EA		15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	554.00	138.56
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0046	EA		15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	634.33	145.64
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0047	EA		15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	811.56	150.84
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp, Add</i>	50.00	
			<i>For Drain Receiver, Add</i>	56.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	136.00	
22 14 26 13-0048			Retrofit Roof Drains (22 14 26 13)		
22 14 26 13-0049			Copolymer Retrofit Roof Drains With Copolymer Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0050	EA		Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	387.75	83.22
22 14 26 13-0051	EA		Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	430.67	104.03
22 14 26 13-0052	EA		Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	515.67	124.83
22 14 26 13-0053	EA		Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	565.98	138.56
22 14 26 13-0054			Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0055	EA		Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	461.96	83.22
22 14 26 13-0056	EA		Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	501.57	104.03
22 14 26 13-0057	EA		Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	591.52	124.83
22 14 26 13-0058	EA		Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	618.74	138.56
22 14 26 13-0059			Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0060	EA		Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	391.05	83.22
			<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0061	EA		Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	433.96	104.03
			<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0062	EA		Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	518.96	124.83
			<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0063	EA		Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	542.89	138.56
			<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 14 26 13-0064	Bronze Downspout Nozzles (22 14 26 13)				
22 14 26 13-0065	EA		2" Outlet, Bronze Roof Drain Downspout Nozzle.....	244.52	41.61
22 14 26 13-0066	EA		3" Outlet, Bronze Roof Drain Downspout Nozzle.....	244.52	41.61
22 14 26 13-0067	EA		4" Outlet, Bronze Roof Drain Downspout Nozzle.....	244.52	41.61
22 14 26 13-0068	EA		5" Outlet, Bronze Roof Drain Downspout Nozzle.....	394.45	52.02
22 14 26 13-0069	EA		6" Outlet, Bronze Roof Drain Downspout Nozzle.....	394.45	52.02
22 14 26 13-0070	EA		8" Outlet, Bronze Roof Drain Downspout Nozzle.....	529.65	52.02

22 14 26 16 Facility Area Drains (22 14 26)

22 14 26 16-0001	Area Drain (22 14 26 16)				
22 14 26 16-0002	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	668.92	50.10
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0003	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	679.72	55.51
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0004	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	691.09	61.20
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0005	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	702.93	67.12
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0006	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	427.64	50.10
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0007	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	438.44	55.51
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0008	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	449.81	61.20
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0009	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	461.65	67.12
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0010	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	627.20	50.10
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0011	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	638.00	55.51
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0012	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	649.37	61.20
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	70.50	
22 14 26 16-0013	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	661.21	67.12
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	70.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0014	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,306.64	50.10
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
22 14 26 16-0015	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,317.44	55.51
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
22 14 26 16-0016	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,328.81	61.20
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
22 14 26 16-0017	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,340.65	67.12
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
22 14 26 16-0018	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	659.30	50.10
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
22 14 26 16-0019	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	670.10	55.51
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
22 14 26 16-0020	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	681.47	61.20
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	693.31	67.12
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,240.84	50.10
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,251.64	55.51
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,263.01	61.20
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,274.85	67.12
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	197.50	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	321.18	50.10
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	331.98	55.51
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	343.35	61.20
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0029	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	210.96	50.10
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0030	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	221.76	55.51
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0031	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	233.13	61.20
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0032	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	305.12	50.10
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	315.92	55.51
		<i>For Vandal Proof Grate, Add</i>	30.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	327.29	61.20
		<i>For Vandal Proof Grate, Add</i>	30.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	884.53	50.10
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Grate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	895.33	55.51
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Grate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	906.70	61.20
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Grate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	589.74	50.10
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Grate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	600.54	55.51
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Grate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	611.91	61.20
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Grate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	833.17	50.10
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Grate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	843.97	55.51
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Grate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	855.34	61.20
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Grate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	205.00	

22 14 26 19 Facility Trench Drains (22 14 26)

22 14 26 19-0001		Trench Drain (22 14 26 19) Note: Each section is 39.4" in length.		
22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	547.86	50.10
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	558.66	55.51
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	570.03	61.20
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	316.67	50.10
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	327.47	55.51
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	338.84	61.20
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	65.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0008	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	516.35	50.10
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	527.15	55.51
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	538.52	61.20
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	497.54	24.96
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0012	EA		6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	266.35	24.96
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0013	EA		6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	466.03	24.96
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0014	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	893.87	50.10
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0015	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	904.67	55.51
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0016	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	916.04	61.20
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0017	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	607.81	50.10
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0018	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	618.61	55.51
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0019	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	629.98	61.20
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0020	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	854.75	50.10
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	865.55	55.51
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
		<i>For Sediment Bucket, Add</i>	116.00	
		<i>For Galvanized Sediment Bucket, Add</i>	188.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	876.92	61.20
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
		<i>For Sediment Bucket, Add</i>	116.00	
		<i>For Galvanized Sediment Bucket, Add</i>	188.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	741.44	50.10
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
		<i>For Sediment Bucket, Add</i>	116.00	
		<i>For Galvanized Sediment Bucket, Add</i>	188.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	752.24	55.51
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
		<i>For Sediment Bucket, Add</i>	116.00	
		<i>For Galvanized Sediment Bucket, Add</i>	188.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	763.61	61.20
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
		<i>For Sediment Bucket, Add</i>	116.00	
		<i>For Galvanized Sediment Bucket, Add</i>	188.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	843.55	24.96
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	557.49	24.96
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	804.43	24.96
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	691.12	24.96
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Grate, Add</i>	181.50	
		<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	

22 14 29 Sump Pumps (22 14)

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)

22 14 29 13-0001 Vertical Mounted Sump Pumps (22 14 29 13)

Note: Mounted on steel support plate and supplied with cast iron strainer, 1750 RPM drip-proof motor, 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	2,937.78	148.87
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	3,103.38	180.19
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	3,544.35	214.07
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	3,777.02	263.36
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	3,987.62	285.43
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	4,728.19	342.41
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	5,425.90	317.44
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	6,603.53	406.81
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	7,117.26	474.44
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	9,580.97	569.53
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	13,335.06	632.58

22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,284.21	
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,405.23	
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	555.84	
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,846.25	
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	2,063.61	
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	759.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0020 EA 6" Diameter x 5' Long Extra Column Assembly	2,358.80	
22 14 29 13-0021 EA 8" Diameter x 5' Long Extra Column Assembly	2,581.08	
22 14 29 13-0022 Float Switch <small>(22 14 29 13)</small>		
22 14 29 13-0023 EA For Float Switch Copper Coated Float, General Purpose.....	1,408.01	13.11
22 14 29 13-0024 EA For Float Switch Copper Coated Float, Weathertight	1,477.78	13.11
22 14 29 13-0025 EA For Float Switch Copper Coated Float, Explosion Proof.....	1,509.99	13.11
22 14 29 13-0026 Support Plate <small>(22 14 29 13)</small>		
22 14 29 13-0027 EA 24" Steel Support Plate, Round Or Square.....	445.69	16.65
22 14 29 13-0028 EA 30" Steel Support Plate, Round Or Square.....	493.25	18.72
22 14 29 13-0029 EA 36" Steel Support Plate, Round Or Square.....	685.56	24.96
22 14 29 13-0030 EA 40" Steel Support Plate, Round Or Square.....	1,002.74	29.13
22 14 29 13-0031 EA 42" Steel Support Plate, Round Or Square.....	1,076.23	30.17
22 14 29 13-0032 EA 48" Steel Support Plate, Round Or Square.....	1,151.79	31.21
22 14 29 13-0033 EA 54" Steel Support Plate, Round Or Square.....	1,469.80	37.45
22 14 29 13-0034 EA 60" Steel Support Plate, Round Or Square.....	2,001.30	41.61
22 14 29 13-0035 EA 72" Steel Support Plate, Round Or Square.....	2,675.19	52.02
22 14 29 13-0036 EA 84" Steel Support Plate, Round Or Square.....	3,236.17	57.21
22 14 29 13-0037 Vertical Sump Pumps, Cast Iron Bronze Fitted <small>(22 14 29 13)</small>		
22 14 29 13-0038 Sump Pumps, 1750 RPM <small>(22 14 29 13-0037)</small>		
22 14 29 13-0039 EA 25 GPM, Sump Pump, 1" Discharge Pipe, 1750 RPM, 25' Head, 1/3 HP	3,863.57	499.16
22 14 29 13-0040 EA 25 GPM, Sump Pump, 1" Discharge Pipe, 1750 RPM, 50' Head, 1 HP	4,211.81	499.16
22 14 29 13-0041 EA 25 GPM, Sump Pump, 1" Discharge Pipe, 1750 RPM, 75' Head, 1-1/2 HP	4,211.81	499.16
22 14 29 13-0042 EA 25 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 100' Head, 5 HP	4,884.08	499.16
22 14 29 13-0043 EA 25 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 125' Head, 5 HP	4,884.08	499.16
22 14 29 13-0044 EA 25 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 150' Head, 7-1/2 HP	6,195.02	499.16
22 14 29 13-0045 EA 25 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 175' Head, 10 HP	6,195.02	499.16
22 14 29 13-0046 EA 50 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 25' Head, 3/4 HP	4,129.79	499.16
22 14 29 13-0047 EA 50 GPM, Sump Pump, 1" Discharge Pipe, 1750 RPM, 50' Head, 1-1/2 HP	4,211.81	499.16
22 14 29 13-0048 EA 50 GPM, Sump Pump, 1" Discharge Pipe, 1750 RPM, 75' Head, 2 HP	4,211.81	499.16
22 14 29 13-0049 EA 50 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 100' Head, 5 HP	4,884.08	499.16
22 14 29 13-0050 EA 50 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 125' Head, 7-1/2 HP	4,884.08	499.16
22 14 29 13-0051 EA 50 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 150' Head, 7-1/2 HP	15,374.06	499.16
22 14 29 13-0052 EA 75 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 25' Head, 1 HP	9,660.97	499.16
22 14 29 13-0053 EA 75 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 50' Head, 1-1/2 HP	9,887.85	499.16
22 14 29 13-0054 EA 75 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 75' Head, 5 HP	11,747.59	499.16
22 14 29 13-0055 EA 75 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 100' Head, 5 HP	11,747.59	499.16
22 14 29 13-0056 EA 75 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 125' Head, 7-1/2 HP	15,374.06	499.16
22 14 29 13-0057 EA 75 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 150' Head, 10 HP	15,374.06	499.16
22 14 29 13-0058 EA 100 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 25' Head, 1-1/2 HP	10,535.04	499.16
22 14 29 13-0059 EA 100 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 50' Head, 3 HP	10,535.04	499.16
22 14 29 13-0060 EA 100 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 75' Head, 5 HP	11,747.59	499.16
22 14 29 13-0061 EA 100 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 100' Head, 7-1/2 HP	11,747.59	499.16
22 14 29 13-0062 EA 100 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 125' Head, 7-1/2 HP	15,374.06	499.16
22 14 29 13-0063 EA 100 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 150' Head, 10 HP	15,374.06	499.16
22 14 29 13-0064 EA 150 GPM, Sump Pump, 2" Discharge Pipe, 1750 RPM, 25' Head, 2 HP	12,331.54	499.16
22 14 29 13-0065 EA 150 GPM, Sump Pump, 2" Discharge Pipe, 1750 RPM, 50' Head, 3 HP	12,331.54	499.16
22 14 29 13-0066 EA 150 GPM, Sump Pump, 2" Discharge Pipe, 1750 RPM, 75' Head, 5 HP	12,331.54	499.16
22 14 29 13-0067 EA 150 GPM, Sump Pump, 2" Discharge Pipe, 1750 RPM, 100' Head, 7-1/2 HP	13,068.00	499.16
22 14 29 13-0068 EA 150 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 125' Head, 10 HP	17,102.50	665.98
22 14 29 13-0069 EA 150 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 150' Head, 15 HP	17,102.50	665.98
22 14 29 13-0070 EA 150 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 175' Head, 15 HP	17,102.50	665.98
22 14 29 13-0071 EA 200 GPM, Sump Pump, 4" Discharge Pipe, 1750 RPM, 25' Head, 3 HP	14,373.53	499.16
22 14 29 13-0072 EA 200 GPM, Sump Pump, 4" Discharge Pipe, 1750 RPM, 50' Head, 5 HP	14,373.53	499.16
22 14 29 13-0073 EA 200 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 75' Head, 7-1/2 HP	17,401.17	499.16
22 14 29 13-0074 EA 200 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 100' Head, 10 HP	17,401.17	499.16
22 14 29 13-0075 EA 200 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 125' Head, 15 HP	10,868.68	665.98
22 14 29 13-0076 EA 200 GPM, Sump Pump, 1-1/2" Discharge Pipe, 1750 RPM, 150' Head, 15 HP	10,868.68	665.98
22 14 29 13-0077 EA 200 GPM, Sump Pump, 2" Discharge Pipe, 1750 RPM, 175' Head, 20 HP	17,102.50	665.98
22 14 29 13-0078 EA 300 GPM, Sump Pump, 4" Discharge Pipe, 1750 RPM, 50' Head, 7-1/2 HP	14,373.53	499.16
22 14 29 13-0079 EA 300 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 75' Head, 10 HP	17,401.17	499.16
22 14 29 13-0080 EA 300 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 100' Head, 15 HP	17,734.81	665.98
22 14 29 13-0081 EA 300 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 125' Head, 15 HP	17,734.81	665.98
22 14 29 13-0082 EA 300 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 150' Head, 20 HP	18,474.98	665.98
22 14 29 13-0083 EA 300 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 175' Head, 25 HP	18,474.98	665.98
22 14 29 13-0084 EA 400 GPM, Sump Pump, 4" Discharge Pipe, 1750 RPM, 50' Head, 7-1/2 HP	14,373.53	499.16
22 14 29 13-0085 EA 400 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 75' Head, 15 HP	17,734.81	665.98
22 14 29 13-0086 EA 400 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 100' Head, 15 HP	17,734.81	665.98
22 14 29 13-0087 EA 400 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 125' Head, 20 HP	18,474.98	665.98
22 14 29 13-0088 EA 400 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 150' Head, 25 HP	18,474.98	665.98
22 14 29 13-0089 EA 400 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 175' Head, 30 HP	18,474.98	665.98
22 14 29 13-0090 EA 500 GPM, Sump Pump, 4" Discharge Pipe, 1750 RPM, 50' Head, 10 HP	14,373.53	499.16
22 14 29 13-0091 EA 500 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 75' Head, 15 HP	17,734.81	665.98
22 14 29 13-0092 EA 500 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 100' Head, 20 HP	17,734.81	665.98
22 14 29 13-0093 EA 500 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 125' Head, 25 HP	18,474.98	665.98
22 14 29 13-0094 EA 500 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 150' Head, 30 HP	18,474.98	665.98
22 14 29 13-0095 EA 500 GPM, Sump Pump, 3" Discharge Pipe, 1750 RPM, 175' Head, 40 HP	18,474.98	665.98
22 14 29 13-0096 EA 600 GPM, Sump Pump, 4" Discharge Pipe, 1750 RPM, 50' Head, 15 HP	19,048.89	499.16
22 14 29 13-0097 EA 600 GPM, Sump Pump, 4" Discharge Pipe, 1750 RPM, 75' Head, 15 HP	19,379.12	664.28



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0008	EA		1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	662.72	28.69
22 14 29 16-0009	EA		1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	724.98	28.69
22 14 29 16-0010	EA		1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	758.41	31.62
22 14 29 16-0011	EA		1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	822.84	31.62
22 14 29 16-0012	EA		1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	852.95	36.15
22 14 29 16-0013	EA		1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	917.38	36.15
22 14 29 16-0014	EA		2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	913.68	42.92
22 14 29 16-0015	EA		2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	966.80	42.92
22 14 29 16-0016			Submersible Sump Pump With Semi-Open Impeller (22 14 29 16)		
22 14 29 16-0017	EA		1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	650.96	27.11
22 14 29 16-0018	EA		1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	749.80	28.69
22 14 29 16-0019	EA		3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	903.09	30.27
22 14 29 16-0020	EA		1 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	954.76	31.62
22 14 29 16-0021	EA		1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,088.96	36.15
22 14 29 16-0022	EA		2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,268.49	42.92
22 14 29 19			Sump-Pump Basins and Pits (22 14 29)		
			See CSI section 22 13 29 33-0000 for basins and pits.		
22 15			General Service Compressed-Air Systems (22 15)		
22 15 13			General Service Compressed-Air Piping (22 15)		
22 15 13 00-0001			Quick Disconnect, Air-Service (22 15 13)		
22 15 13 00-0002			Combination Steel And Brass (22 15 13 00-0001)		
22 15 13 00-0003	EA		1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	21.87	6.33
22 15 13 00-0004	EA		3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	24.42	7.68
22 15 13 00-0005			Refrigerated Air Dryers With Ambient Air Filters (22 15 13)		
22 15 13 00-0006	EA		3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	527.46	39.79
22 15 13 00-0007	EA		5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	606.43	40.89
22 15 13 00-0008	EA		7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	787.74	42.00
22 15 13 00-0009	EA		10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	924.00	44.21
22 15 13 00-0010	EA		15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,027.16	49.74
22 15 13 00-0011	EA		20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,138.78	56.59
22 15 13 00-0012	EA		30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,625.46	71.84
22 15 13 00-0013	EA		40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,823.48	84.00
22 15 13 00-0014	EA		50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,984.78	89.75
22 15 13 00-0015	EA		60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,154.19	99.47
22 15 13 00-0016	EA		75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,428.37	110.53
22 15 13 00-0017	EA		85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,705.12	121.59
22 15 13 00-0018	EA		100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,837.53	134.85
22 15 13 00-0019	EA		125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,328.99	143.69
22 15 13 00-0020	EA		175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,046.38	149.22
22 15 13 00-0021	EA		200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,811.11	154.75
22 15 13 00-0022	EA		250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,364.21	160.27
22 15 13 00-0023	EA		300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,854.34	165.80
22 15 13 00-0024	EA		400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,555.93	176.85
22 15 13 00-0025	EA		500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	7,639.88	221.06
22 15 13 00-0026	EA		600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	9,683.53	265.27
22 15 13 00-0027	EA		800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	10,767.49	309.48
22 15 13 00-0028	EA		1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	12,684.46	353.71
22 15 13 00-0029			Oil And Water Separator For Air Compressor (22 15 13)		
22 15 13 00-0030	EA		0-60 SCFM Oil/Water Separator.....	527.49	17.84
22 15 13 00-0031	EA		85 SCFM Oil/Water Separator.....	709.76	20.91
22 15 13 00-0032	EA		190 SCFM Oil/Water Separator.....	830.50	23.69
22 15 13 00-0033	EA		245 SCFM Oil/Water Separator.....	1,044.87	27.87
22 15 13 00-0034	EA		320 SCFM Oil/Water Separator.....	1,241.56	33.45
22 15 13 00-0035	EA		700 SCFM Oil/Water Separator.....	2,500.21	69.68
22 15 13 00-0036			Heavy Duty Industrial Pressure Regulator (22 15 13)		
22 15 13 00-0037	EA		3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	73.88	13.26
22 15 13 00-0038	EA		1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	104.47	17.68
22 15 13 00-0039	EA		3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	191.11	22.11

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 15 13 00-0040	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	231.13	33.16
22 15 13 00-0041	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	335.00	38.68
22 15 13 00-0042	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	346.05	44.21
22 15 13 00-0043 Heatless Desiccant Air Dryers (22 15 13)				
22 15 13 00-0044	EA	5 SCFM Heatless Desiccant Air Dryer.....	2,053.62	39.79
22 15 13 00-0045	EA	10 SCFM Heatless Desiccant Air Dryer.....	2,474.87	44.21
22 15 13 00-0046	EA	15 SCFM Heatless Desiccant Air Dryer.....	2,492.67	48.63
22 15 13 00-0047	EA	20 SCFM Heatless Desiccant Air Dryer.....	2,847.62	55.26
22 15 13 00-0048	EA	30 SCFM Heatless Desiccant Air Dryer.....	3,938.17	66.32
22 15 13 00-0049	EA	50 SCFM Heatless Desiccant Air Dryer.....	3,853.14	88.42
22 15 13 00-0050	EA	85 SCFM Heatless Desiccant Air Dryer.....	5,188.47	110.53
22 15 13 00-0051	EA	100 SCFM Heatless Desiccant Air Dryer.....	5,481.94	132.64
22 15 13 00-0052	EA	125 SCFM Heatless Desiccant Air Dryer.....	6,271.39	154.75
22 15 13 00-0053	EA	175 SCFM Heatless Desiccant Air Dryer.....	7,202.77	176.85
22 15 13 00-0054	EA	200 SCFM Heatless Desiccant Air Dryer.....	7,726.19	198.96
22 15 13 00-0055	EA	300 SCFM Heatless Desiccant Air Dryer.....	9,482.50	221.06
22 15 13 00-0056	EA	400 SCFM Heatless Desiccant Air Dryer.....	10,502.47	265.27
22 15 13 00-0057	EA	500 SCFM Heatless Desiccant Air Dryer.....	12,134.10	309.48
22 15 13 00-0058	EA	600 SCFM Heatless Desiccant Air Dryer.....	14,006.28	353.71
22 15 13 00-0059 Air Cooled Aftercoolers (22 15 13)				
22 15 13 00-0060	EA	20 SCFM Air-Cooled Aftercooler.....	490.33	27.63
22 15 13 00-0061	EA	35 SCFM Air-Cooled Aftercooler.....	669.01	33.16
22 15 13 00-0062	EA	43 SCFM Air-Cooled Aftercooler.....	731.25	38.68
22 15 13 00-0063	EA	70 SCFM Air-Cooled Aftercooler.....	898.41	44.21
22 15 13 00-0064	EA	125 SCFM Air-Cooled Aftercooler.....	1,270.30	49.74
22 15 13 00-0065	EA	185 SCFM Air-Cooled Aftercooler.....	1,427.24	55.26
22 15 13 00-0066	EA	260 SCFM Air-Cooled Aftercooler.....	2,827.99	66.32
22 15 13 00-0067	EA	365 SCFM Air-Cooled Aftercooler.....	2,943.77	77.37
22 15 13 00-0068	EA	560 SCFM Air-Cooled Aftercooler.....	3,058.51	88.42
22 15 13 00-0069	EA	650 SCFM Air-Cooled Aftercooler.....	3,593.48	99.47
22 15 13 00-0070	EA	750 SCFM Air-Cooled Aftercooler.....	3,925.76	110.53
22 15 13 00-0071	EA	900 SCFM Air-Cooled Aftercooler.....	4,509.87	121.59
22 15 13 00-0072	EA	1,100 SCFM Air-Cooled Aftercooler.....	5,826.92	132.64
22 15 13 00-0073	EA	1,460 SCFM Air-Cooled Aftercooler.....	6,677.70	143.69
22 15 13 00-0074	EA	1,800 SCFM Air-Cooled Aftercooler.....	6,885.34	154.75
22 15 13 00-0075	EA	2,500 SCFM Air-Cooled Aftercooler.....	7,383.47	165.80
22 15 13 00-0076 Compressed Air Coalescing Filters (22 15 13)				
22 15 13 00-0077 1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0076)				
22 15 13 00-0078	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	164.19	18.12
22 15 13 00-0079	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	200.02	18.12
22 15 13 00-0080	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	217.12	20.91
22 15 13 00-0081	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	250.12	23.97
22 15 13 00-0082	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	293.51	26.48
22 15 13 00-0083	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	330.26	32.05
22 15 13 00-0084	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	607.38	34.84
22 15 13 00-0085	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	431.66	41.81
22 15 13 00-0086	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	551.66	55.74
22 15 13 00-0087	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	632.14	62.71
22 15 13 00-0088 0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0076)				
22 15 13 00-0089	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	205.15	18.12
22 15 13 00-0090	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	220.94	20.91
22 15 13 00-0091	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	253.70	23.97
22 15 13 00-0092	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	300.68	23.69
22 15 13 00-0093	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	338.45	32.05
22 15 13 00-0094	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	385.74	34.84
22 15 13 00-0095	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	440.87	41.81
22 15 13 00-0096	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	567.02	55.74
22 15 13 00-0097	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	652.62	62.71
22 15 13 00-0098 Compressed Air Storage Tanks (22 15 13)				
22 15 13 00-0099 Horizontal Compressed Air Storage Tanks (22 15 13 00-0098)				
22 15 13 00-0100	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME.....	249.88	35.37
22 15 13 00-0101	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME.....	340.38	38.68
22 15 13 00-0102	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME.....	360.80	40.67
22 15 13 00-0103	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME.....	412.41	44.21
22 15 13 00-0104	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME.....	537.39	59.68
22 15 13 00-0105	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME.....	651.58	66.32
22 15 13 00-0106	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME.....	988.32	77.37
22 15 13 00-0107	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,487.12	88.42
22 15 13 00-0108	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,660.26	93.95
22 15 13 00-0109	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME.....	2,418.08	99.47
22 15 13 00-0110	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME.....	3,193.25	116.06
22 15 13 00-0111	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME.....	4,607.74	138.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 15 13 00-0112	Vertical Compressed Air Storage Tanks (22 15 13 00-0098)		
22 15 13 00-0113	EA 10 Gallon Vertical Compressed Air Storage Tank, ASME	317.31	35.37
22 15 13 00-0114	EA 15 Gallon Vertical Compressed Air Storage Tank, ASME	332.16	38.68
22 15 13 00-0115	EA 20 Gallon Vertical Compressed Air Storage Tank, ASME	360.80	40.67
22 15 13 00-0116	EA 30 Gallon Vertical Compressed Air Storage Tank, ASME	428.69	44.21
22 15 13 00-0117	EA 60 Gallon Vertical Compressed Air Storage Tank, ASME	586.22	59.68
22 15 13 00-0118	EA 80 Gallon Vertical Compressed Air Storage Tank, ASME	675.09	66.32
22 15 13 00-0119	EA 120 Gallon Vertical Compressed Air Storage Tank, ASME	937.20	77.37
22 15 13 00-0120	EA 200 Gallon Vertical Compressed Air Storage Tank, ASME	1,381.76	88.42
22 15 13 00-0121	EA 240 Gallon Vertical Compressed Air Storage Tank, ASME	1,525.96	93.95
22 15 13 00-0122	EA 325 Gallon Vertical Compressed Air Storage Tank, ASME	2,089.33	99.47
22 15 13 00-0123	EA 400 Gallon Vertical Compressed Air Storage Tank, ASME	2,683.03	116.06
22 15 13 00-0124	EA 500 Gallon Vertical Compressed Air Storage Tank, ASME	3,510.59	127.12
22 15 13 00-0125	EA 660 Gallon Vertical Compressed Air Storage Tank, ASME	5,868.08	143.69

22 15 19 General Service Packaged Air Compressors And Receivers (22 15)
 Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)

22 15 19 13-0001	Single Stage Compressor (22 15 19 13)		
Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.			
22 15 19 13-0002	EA 1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,404.76	156.87
22 15 19 13-0003	EA 3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,464.07	181.05
22 15 19 13-0004	EA 1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,669.22	213.81
22 15 19 13-0005	EA 2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,903.31	235.92
22 15 19 13-0006	EA 3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,336.51	249.18
22 15 19 13-0007	EA 3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	2,498.20	258.02
22 15 19 13-0008	EA 5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	2,804.27	294.89
22 15 19 13-0009	EA 5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	3,008.64	312.59
22 15 19 13-0010	EA 7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	3,614.33	353.88

22 15 19 13-0011	Two Stage Compressor (22 15 19 13)		
Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.			
22 15 19 13-0012	EA 1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	2,691.11	275.71
22 15 19 13-0013	EA 2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	2,883.00	324.39
22 15 19 13-0014	EA 3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	3,010.35	353.88
22 15 19 13-0015	EA 5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	3,422.87	471.84
22 15 19 13-0016	EA 5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	3,697.99	471.84
22 15 19 13-0017	EA 7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	3,952.73	589.80
22 15 19 13-0018	EA 7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	4,202.25	589.80
22 15 19 13-0019	EA 10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	5,391.98	729.51
22 15 19 13-0020	EA 10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	5,779.37	751.61
22 15 19 13-0021	EA 15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	6,244.71	878.41
22 15 19 13-0022	EA 20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	9,484.45	994.34
22 15 19 13-0023	EA 25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	10,176.36	1,123.57
22 15 19 13-0024	EA 30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	11,345.20	1,241.80
22 15 19 13-0025	EA 30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	12,340.11	1,360.95

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors (22 15 19)

22 15 19 19-0001	Rotary Screw Air Compressor, Base Mounted Without Receiver (22 15 19 19)		
Note: Oil flooded.			
22 15 19 19-0002	EA 3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	4,684.28	444.82
22 15 19 19-0003	EA 5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	5,220.76	593.09
22 15 19 19-0004	EA 7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	6,695.17	743.60
22 15 19 19-0005	EA 10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	7,737.24	947.61
22 15 19 19-0006	EA 15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	8,852.08	1,114.83
22 15 19 19-0007	EA 20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	10,747.47	1,254.20
22 15 19 19-0008	EA 25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	11,776.60	1,393.55
22 15 19 19-0009	EA 30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	14,173.61	1,560.77
22 15 19 19-0010	EA 40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	15,583.31	1,672.25
22 15 19 19-0011	EA 50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	17,498.24	1,802.13
22 15 19 19-0012	EA 60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	22,782.33	1,950.97
22 15 19 19-0013	EA 75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	25,286.09	2,062.45
22 15 19 19-0014	EA 100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	40,667.93	2,229.67
22 15 19 19-0015	EA 125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	50,766.20	2,410.84
22 15 19 19-0016	EA 150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	58,987.46	2,594.78
22 15 19 19-0017	EA 220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	76,798.36	2,787.10
22 15 19 19-0018	EA 250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	87,269.94	2,965.46

22 15 19 19-0019	Rotary Screw Air Compressor, Base Mounted With Receiver (22 15 19 19)		
Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.			

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	5,843.92	593.09
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	6,212.45	593.09
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	6,988.19	743.60
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	7,391.27	743.60
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	7,898.47	947.61
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	8,324.58	947.61
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	8,985.15	1,114.83
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	9,445.81	1,114.83
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,599.72	1,254.20
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	16,801.59	1,393.55
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,888.29	1,560.77

22 30 Plumbing Equipment ⁽²²⁾**22 31 Domestic Water Softeners** ^(22 30)**22 31 16 Commercial Domestic Water Softeners** ^(22 31)22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) ^(22 31 16)22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0001)22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	2,648.77	114.43
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	2,768.64	119.63
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	2,994.42	124.83
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	3,466.22	130.04
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	3,699.07	135.24

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	4,033.72	124.83
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	4,244.21	130.04
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	4,478.25	135.24
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	5,350.22	140.43
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	5,962.06	145.64
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	7,296.59	150.84

22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	6,209.81	130.04
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	6,435.60	135.24
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	7,309.92	140.43
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	7,921.76	145.64
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	9,329.27	150.84
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	12,365.74	156.04
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	14,495.92	161.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0024 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0024) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025 EA 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11).....	15,242.52	150.84
22 31 16 00-0026 EA 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11).....	17,635.17	156.04
22 31 16 00-0027 EA 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11).....	19,737.11	161.24
22 31 16 00-0028 EA 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11).....	24,901.58	166.44
22 31 16 00-0029 EA 1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11).....	27,590.84	171.65
22 31 16 00-0030 Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030)		
22 31 16 00-0031 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0031) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032 EA 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21).....	10,218.06	195.05
22 31 16 00-0033 EA 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21).....	10,672.68	202.85
22 31 16 00-0034 EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21).....	12,181.89	210.66
22 31 16 00-0035 EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21).....	13,335.65	218.46
22 31 16 00-0036 EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21).....	16,336.14	226.26
22 31 16 00-0037 EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21).....	21,735.33	234.06
22 31 16 00-0038 EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21).....	25,630.32	241.86
22 31 16 00-0039 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0039) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040 EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21).....	28,063.76	226.26
22 31 16 00-0041 EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21).....	32,276.54	234.06
22 31 16 00-0042 EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21).....	36,302.18	241.86
22 31 16 00-0043 EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21).....	46,274.04	249.66
22 31 16 00-0044 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21).....	51,695.61	257.46
22 31 16 00-0045 Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)		
22 31 16 00-0046 1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0046) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047 EA 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	3,452.92	171.65
22 31 16 00-0048 EA 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	3,687.45	179.45
22 31 16 00-0049 EA 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	4,033.78	187.25
22 31 16 00-0050 EA 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	4,882.72	195.05
22 31 16 00-0051 EA 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	5,418.55	202.85
22 31 16 00-0052 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0052) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	6,968.04	187.25
22 31 16 00-0054 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	7,350.89	195.05
22 31 16 00-0055 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	7,922.03	202.85
22 31 16 00-0056 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	9,098.15	210.66

22 Plumbing**22 30 Plumbing Equipment****22 31 Domestic Water Softeners**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	10,291.93	218.46
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	12,952.26	226.26

22 31 16 00-0059 Water Deionizers (22 31 16)

22 31 16 00-0060	EA	37 kg Water Deionizer Complete With Controls And Chemical Mixing Tank	7,224.65	183.09
22 31 16 00-0061	EA	55 kg Water Deionizer Complete With Controls And Chemical Mixing Tank	7,395.38	183.09
22 31 16 00-0062	EA	73 kg Water Deionizer Complete With Controls And Chemical Mixing Tank	10,084.41	183.09
22 31 16 00-0063	EA	110 kg Water Deionizer Complete With Controls And Chemical Mixing Tank	10,201.16	183.09

22 32 Domestic Water Filtration Equipment (22 30)**22 32 16 Domestic-Water Freestanding Cartridge Filters** (22 32)

22 32 16 00-0001		Commercial Water Filters Housings <small>(22 32 16)</small>		
22 32 16 00-0002		Commercial Multi-Cartridge Stainless Steel Water Filter Housings <small>(22 32 16 00-0001)</small>		
22 32 16 00-0003		Commercial Multi-Cartridge Stainless Steel Water Filter Housings <small>(22 32 16 00-0002)</small>		
22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	1,387.58	90.58
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	1,412.11	97.55
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	1,502.55	104.52
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	1,665.96	111.48
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	1,714.04	118.45
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	2,088.13	125.42
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	5,993.24	132.39
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	6,980.55	139.35
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	8,880.04	146.32
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	9,855.58	153.29

22 32 16 00-0014 Commercial Water Filter Cartridges (22 32 16 00-0002)**22 32 16 00-0015 (Depth) Water Filter Cartridges** (22 32 16 00-0014)

22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	6.64	1.11
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	6.64	1.11
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	6.64	1.11
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	5.47	1.11
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	6.94	1.11
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	6.94	1.11
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	7.53	1.11
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	9.59	1.11
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	7.53	1.11
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	9.00	1.11
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	9.00	1.11
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	9.00	1.11
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	9.88	1.11
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	13.12	1.11
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	11.94	1.11
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	11.94	1.11
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	13.12	1.11

22 32 16 00-0033 Pleated Water Filter Cartridges (22 32 16 00-0014)

22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50).....	12.23	1.11
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20).....	12.23	1.11
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5).....	12.53	1.11
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1).....	13.41	1.11
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	20.47	1.11
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	19.59	1.11
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	19.59	1.11
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5).....	19.59	1.11
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	26.06	1.11
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	37.25	1.11
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	31.07	1.11
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	43.43	1.11
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	45.19	1.11
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	51.08	1.11

22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)**22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings** (22 32 16 00-0048)



Plumbing	22	22
Plumbing Equipment	22 30	
Domestic Water Filtration Equipment	22 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0050 EA 150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG).....	1,085.87	83.61
22 32 16 00-0051 Commercial Water Filter Cartridges (22 32 16 00-0048)		
22 32 16 00-0052 Carbon Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0053 EA Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5).....	368.87	1.11
22 32 16 00-0054 (Depth) Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0055 EA 50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50).....	76.09	1.11
22 32 16 00-0056 EA 20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20).....	75.50	1.11
22 32 16 00-0057 EA 5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5).....	75.50	1.11
22 32 16 00-0058 EA 1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1).....	86.68	1.11
22 32 16 00-0059 Pleated Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0060 EA 150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150).....	202.32	1.11
22 32 16 00-0061 EA 50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50).....	189.96	1.11
22 32 16 00-0062 EA 20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20).....	207.03	1.11
22 32 16 00-0063 EA 5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5).....	217.03	1.11
22 32 16 00-0064 EA 1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1).....	231.16	1.11
22 32 16 00-0065 EA 1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB).....	250.58	1.11
22 33 Electric Domestic Water Heaters (22 30)		
22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)		
22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)		
22 33 13 13-0002 EA 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95).....	238.79	22.59
22 33 13 13-0003 EA 7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P).....	316.85	22.59
22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16)		
Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002 EA 3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	315.04	33.88
22 33 13 16-0003 EA 12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12).....	384.89	45.18
22 33 13 16-0004 EA 17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	649.27	79.07
22 33 13 16-0005 EA 26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	1,015.40	90.37
22 33 13 16-0006 EA 12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus).....	650.79	45.18
22 33 13 16-0007 EA 14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus).....	886.01	67.77
22 33 13 16-0008 EA 19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus).....	967.89	90.37
22 33 13 16-0009 EA 24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus).....	1,006.77	90.37
22 33 13 16-0010 EA 28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus).....	1,043.48	90.37
22 33 13 16-0011 EA 36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus).....	1,097.47	90.37
22 33 30 Residential, Electric Domestic Water Heaters (22 33)		
22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)		
22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 13)		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002 EA 2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	427.33	71.16
22 33 30 13-0003 EA 10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	531.39	75.68
22 33 30 13-0004 EA 20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	633.19	79.07
22 33 30 16 Residential, Storage Electric Domestic Water Heaters (22 33 30)		
22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002 EA 30 Gallon, Electric Domestic Water Heater.....	679.63	79.07
22 33 30 16-0003 EA 40 Gallon, Electric Domestic Water Heater.....	635.33	81.33
22 33 30 16-0004 EA 50 Gallon, Electric Domestic Water Heater.....	623.22	83.58
22 33 30 16-0005 EA 55 Gallon, Electric Domestic Water Heater.....	700.61	84.72

22 Plumbing**22 30 Plumbing Equipment****22 33 Electric Domestic Water Heaters**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater.....	1,038.59	86.98
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater.....	1,057.24	90.37
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater.....	1,420.30	96.02

22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater.....	732.97	79.07
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater.....	694.72	81.33
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater.....	737.25	83.58

22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservaonist) (22 33 30 16)

Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater.....	757.02	81.33
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater.....	829.89	83.58
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,030.22	86.98
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,122.51	90.37

22 33 30 16-0018 Water Heater Accessories (22 33 30 16)

22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters.....	58.99	4.51
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	70.13	4.51
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	138.97	4.51
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters.....	187.42	4.51
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	38.46	3.39
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	42.28	3.39
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	44.82	3.39
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	53.73	3.39
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	19.31	3.39
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	21.35	3.39
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	24.21	3.39
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	27.89	3.39

22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)**22 33 33 00-0001 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)**

Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3).....	3,838.61	79.07
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3).....	3,950.14	79.07
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6).....	4,173.20	79.07
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3).....	4,195.78	90.37
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6).....	4,418.84	90.37
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9).....	4,753.44	90.37
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12).....	4,864.97	90.37
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15).....	5,088.03	90.37
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18).....	5,199.56	90.37
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6).....	4,530.37	90.37
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9).....	4,753.44	90.37
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12).....	4,976.50	90.37
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15).....	5,199.56	90.37
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18).....	5,422.62	90.37
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24).....	6,872.52	90.37
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9).....	4,910.16	112.95
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12).....	5,244.75	112.95
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15).....	5,356.28	112.95
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18).....	5,579.39	112.95
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24).....	6,917.71	112.95
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30).....	7,586.90	112.95
22 33 33 00-0023	EA	36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36).....	8,033.02	112.95
22 33 33 00-0024	EA	9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9).....	5,847.58	135.55
22 33 33 00-0025	EA	12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12).....	6,070.65	135.55
22 33 33 00-0026	EA	15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15).....	6,070.65	135.55
22 33 33 00-0027	EA	18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18).....	6,182.18	135.55
22 33 33 00-0028	EA	24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24).....	8,078.20	135.55
22 33 33 00-0029	EA	30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30).....	8,524.33	135.55
22 33 33 00-0030	EA	36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36).....	8,747.39	135.55
22 33 33 00-0031	EA	45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45).....	10,308.82	135.55
22 33 33 00-0032	EA	54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54).....	10,308.82	135.55
22 33 33 00-0033	EA	60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60).....	12,539.44	135.55
22 33 33 00-0034	EA	75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75).....	14,770.06	135.55
22 33 33 00-0035	EA	90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90).....	18,339.06	135.55
22 33 33 00-0036	EA	9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9).....	6,495.60	180.72
22 33 33 00-0037	EA	12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12).....	6,718.66	180.72
22 33 33 00-0038	EA	15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15).....	6,830.19	180.72
22 33 33 00-0039	EA	18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18).....	6,941.72	180.72
22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24).....	8,726.22	180.72
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30).....	9,172.34	180.72
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36).....	9,283.87	180.72
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45).....	10,845.31	180.72
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54).....	11,068.37	180.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0045 EA 60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60).....	11,514.49	180.72
22 33 33 00-0046 EA 75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75).....	15,752.67	180.72
22 33 33 00-0047 EA 90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90).....	19,210.13	180.72
22 33 33 00-0048 EA 12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12).....	7,209.98	203.32
22 33 33 00-0049 EA 15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15).....	7,321.51	203.32
22 33 33 00-0050 EA 18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18).....	7,433.04	203.32
22 33 33 00-0051 EA 24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24).....	9,217.53	203.32
22 33 33 00-0052 EA 30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30).....	9,552.13	203.32
22 33 33 00-0053 EA 36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36).....	9,886.72	203.32
22 33 33 00-0054 EA 45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45).....	11,336.62	203.32
22 33 33 00-0055 EA 54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54).....	11,448.15	203.32
22 33 33 00-0056 EA 60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60).....	11,894.28	203.32
22 33 33 00-0057 EA 75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75).....	15,909.39	203.32
22 33 33 00-0058 EA 90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90).....	19,255.32	203.32
22 33 33 00-0059 EA 15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15).....	8,147.39	225.91
22 33 33 00-0060 EA 18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18).....	8,258.92	225.91
22 33 33 00-0061 EA 24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24).....	9,597.30	225.91
22 33 33 00-0062 EA 30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30).....	10,043.42	225.91
22 33 33 00-0063 EA 36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36).....	10,266.48	225.91
22 33 33 00-0064 EA 45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45).....	11,827.92	225.91
22 33 33 00-0065 EA 54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54).....	11,939.45	225.91
22 33 33 00-0066 EA 60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60).....	13,835.47	225.91
22 33 33 00-0067 EA 75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75).....	16,066.09	225.91
22 33 33 00-0068 EA 90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90).....	19,635.09	225.91
22 33 33 00-0069 EA 15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15).....	8,906.95	271.09
22 33 33 00-0070 EA 18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18).....	9,241.54	271.09
22 33 33 00-0071 EA 24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24).....	10,133.79	271.09
22 33 33 00-0072 EA 30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30).....	10,579.91	271.09
22 33 33 00-0073 EA 36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36).....	10,802.98	271.09
22 33 33 00-0074 EA 45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45).....	12,252.88	271.09
22 33 33 00-0075 EA 54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54).....	12,364.41	271.09
22 33 33 00-0076 EA 60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60).....	14,706.56	271.09
22 33 33 00-0077 EA 75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75).....	17,606.37	271.09
22 33 33 00-0078 EA 90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90).....	20,060.05	271.09
22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)		
Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0080 EA Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S).....	849.58	79.07
22 33 33 00-0081 EA Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S).....	894.19	79.07
22 33 33 00-0082 EA Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S).....	994.84	90.37
22 33 33 00-0083 EA Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D).....	1,742.10	90.37
22 33 33 00-0084 EA Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D).....	1,976.89	112.95
22 33 33 00-0085 EA Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D).....	2,211.67	135.55
22 33 33 00-0086 EA Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D).....	2,737.58	203.32
22 33 33 00-0087 Removal And Reinstallation Of Water Heater (22 33 33)		
Note: Includes storage and cleaning.		
22 33 33 00-0088 EA Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon.....	150.61	
22 33 33 00-0089 EA Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon.....	451.81	
22 34 Fuel-Fired Domestic Water Heaters (22 30)		
22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)		
22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)		
22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)		
Note: Includes vent connection. Excludes vent.		
22 34 13 00-0003 EA 4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN).....	966.44	90.37
22 34 13 00-0004 EA 5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN).....	1,051.01	91.49
22 34 13 00-0005 EA 5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN).....	1,160.30	93.75
22 34 13 00-0006 EA 6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN).....	1,366.73	96.02
22 34 13 00-0007 EA 7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN).....	1,671.49	101.65
22 34 13 00-0008 EA 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN).....	1,708.90	101.65
22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)		
22 34 13 00-0010 EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN).....	1,048.75	90.37
22 34 13 00-0011 EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN).....	1,671.49	101.65
22 34 30 Residential Gas Domestic Water Heaters (22 34)		
22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)		
22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	708.39	86.98
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	692.72	89.23
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	943.10	91.49
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65).....	1,024.89	93.75
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75).....	1,124.37	96.02
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100).....	1,695.17	101.65

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)**22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16)**

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	1,351.52	89.23
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	1,548.87	91.49
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	2,034.75	93.75

22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)**22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)**

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	1,221.28	89.23
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	1,273.30	91.49

22 34 36 Commercial Gas Domestic Water Heaters (22 34)**22 34 36 00-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36)**

Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 00-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	4,529.10	135.55
22 34 36 00-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	4,810.26	158.14
22 34 36 00-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	5,978.89	180.72
22 34 36 00-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	5,127.33	180.72
22 34 36 00-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	5,944.11	180.72
22 34 36 00-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	8,003.64	198.80
22 34 36 00-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	5,705.01	203.32
22 34 36 00-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	8,603.85	223.64
22 34 36 00-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	5,799.38	203.32
22 34 36 00-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	8,188.16	223.64
22 34 36 00-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	6,384.07	248.50
22 34 36 00-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	8,905.48	273.35
22 34 36 00-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	7,237.93	248.50
22 34 36 00-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	8,961.66	273.35
22 34 36 00-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	6,946.12	271.09
22 34 36 00-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	9,898.92	298.20
22 34 36 00-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	8,957.14	271.09
22 34 36 00-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	11,831.34	298.20
22 34 36 00-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	11,788.60	293.68
22 34 36 00-0021	EA	150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	5,866.30	158.14
22 34 36 00-0022	EA	150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	7,066.37	173.95
22 34 36 00-0023	EA	199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	6,068.77	180.72
22 34 36 00-0024	EA	199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	7,307.07	198.80
22 34 36 00-0025	EA	Sidewall Power Vent System For BTR-120 through BTR-200	1,349.35	112.95
22 34 36 00-0026	EA	Sidewall Power Vent System For BTR-250 through BTR-500	1,495.41	112.95

22 34 36 00-0027 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 00-0028	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	3,641.53	135.55
22 34 36 00-0029	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	5,315.55	135.55
22 34 36 00-0030	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	6,495.46	158.14
22 34 36 00-0031	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	6,731.64	180.72
22 34 36 00-0032	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	6,765.34	180.72
22 34 36 00-0033	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	6,922.63	180.72
22 34 36 00-0034	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	8,149.69	198.80
22 34 36 00-0035	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	7,630.69	203.32
22 34 36 00-0036	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	9,435.24	223.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0037 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275).....	7,934.50	248.50
22 34 36 00-0038 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A).....	9,781.81	273.35
22 34 36 00-0039 EA 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310).....	8,114.26	248.50
22 34 36 00-0040 EA 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A).....	9,894.16	273.35
22 34 36 00-0041 EA 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366).....	9,114.43	271.09
22 34 36 00-0042 EA 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A).....	10,752.78	298.20
22 34 36 00-0043 EA 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400).....	11,147.96	271.09
22 34 36 00-0044 EA 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A).....	12,887.43	298.20
22 34 36 00-0045 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) <i>(22 34 36)</i> Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 00-0046 EA 76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80).....	2,765.20	135.55
22 34 36 00-0047 EA 100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100).....	3,798.82	135.55
22 34 36 00-0048 EA 120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120).....	4,652.68	135.55
22 34 36 00-0049 EA 120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A).....	6,791.97	149.10
22 34 36 00-0050 EA 150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150).....	6,944.86	158.14
22 34 36 00-0051 EA 150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A).....	8,807.80	173.95
22 34 36 00-0052 EA 199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199).....	7,012.51	180.72
22 34 36 00-0053 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A).....	9,037.26	198.80
22 34 36 00-0054 EA 250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250).....	8,113.79	203.32
22 34 36 00-0055 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A).....	9,918.35	223.64
22 34 36 00-0056 EA 300 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A).....	13,017.49	273.35
22 34 36 00-0057 EA 399.9 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A).....	13,662.65	298.20
22 34 36 00-0058 EA 499.9 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A).....	15,757.11	323.05
22 34 36 00-0059 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters <i>(22 34 36)</i>		
22 34 36 00-0060 EA 1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	26,710.82	643.76
22 34 36 00-0061 EA 1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	38,143.00	711.53
22 34 36 00-0062 EA 2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	41,444.66	745.41
22 34 36 00-0063 EA 2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	44,876.94	813.18
22 34 36 00-0064 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters <i>(22 34 36)</i>		
22 34 36 00-0065 EA 1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	23,534.90	643.76
22 34 36 00-0066 EA 1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	25,999.21	711.53
22 34 36 00-0067 EA 2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	28,490.81	745.41
22 34 36 00-0068 EA 2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos).....	30,947.84	813.18
22 34 36 00-0069 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters <i>(22 34 36)</i>		
22 34 36 00-0070 EA 200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	5,751.70	304.94
22 34 36 00-0071 EA 300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	6,320.74	338.82
22 34 36 00-0072 EA 400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	7,405.39	406.59
22 34 36 00-0073 EA 500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	10,756.53	423.53
22 34 36 00-0074 EA 750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	11,763.77	508.24
22 34 36 00-0075 EA 1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	14,543.29	609.88
22 34 36 00-0076 EA 1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	16,635.33	643.76
22 34 36 00-0077 EA 1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	18,478.71	694.59
22 34 36 00-0078 EA 1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	20,233.10	728.47
22 34 36 00-0079 EA 2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant).....	21,791.62	745.41
22 34 36 00-0080 Patterson Kelly Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters <i>(22 34 36)</i>		
22 34 36 00-0081 EA 700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	19,835.34	508.24
22 34 36 00-0082 EA 1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	21,731.91	609.88

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0083	EA		1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	29,318.12	694.59
22 34 36 00-0084	EA		1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	30,176.21	728.47
22 34 36 00-0085	EA		2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	31,625.43	745.41
22 34 36 00-0086			Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters (22 34 36)		
22 34 36 00-0087	EA		1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	25,235.75	609.88
22 34 36 00-0088	EA		1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	30,617.64	694.59
22 34 36 00-0089	EA		2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	32,474.37	745.41
22 34 36 00-0090			Removal And Reinstallation Of Water Heater (22 34 36)		
			Note: Includes storage and cleaning.		
22 34 36 00-0091	EA		Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	205.37	
22 34 36 00-0092	EA		Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon.....	543.05	
22 34 46 Oil-Fired Domestic Water Heaters (22 34)					
22 34 46 00-0001			Oil-Fired Domestic Water Heaters (Bock) (22 34 46)		
			Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 00-0002	EA		60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	1,424.45	86.98
22 34 46 00-0003	EA		104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	1,402.49	86.98
22 34 46 00-0004	EA		104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES).....	1,473.05	86.98
22 34 46 00-0005	EA		125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	1,561.67	89.23
22 34 46 00-0006	EA		140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES).....	2,038.84	91.49
22 34 46 00-0007	EA		152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	1,689.90	91.49
22 34 46 00-0008			Oil Fired Commercial Water Heaters (22 34 46)		
			Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 00-0009	EA		173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E).....	2,321.51	135.55
22 34 46 00-0010	EA		199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E)	2,780.92	135.55
22 34 46 00-0011	EA		242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E)	2,798.59	135.55
22 34 46 00-0012	EA		190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E).....	4,064.34	180.72
22 34 46 00-0013	EA		415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E)	5,626.13	225.91
22 34 46 00-0014	EA		623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E)	7,164.84	248.50
22 35 Domestic Water Heat Exchangers (22 30)					
22 35 23 Circulating, Domestic Water heat Exchangers (22 35)					
22 35 23 00-0001			Steam Driven Water Heaters (22 35 23)		
22 35 23 00-0002			Constant Flow (22 35 23 00-0001)		
22 35 23 00-0003	EA		30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	4,110.23	225.91
22 35 23 00-0004	EA		90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	5,141.54	276.83
22 35 23 00-0005	EA		140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	6,577.53	362.04
22 35 23 00-0006	EA		230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	8,879.06	504.27
22 35 23 00-0007	EA		500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	12,972.51	830.53
22 35 23 00-0008	EA		900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	14,083.88	941.26
22 35 23 00-0009	EA		1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	18,704.29	1,086.07
22 35 23 00-0010	EA		2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	22,540.12	1,283.56
22 35 23 00-0011			Variable Flow (22 35 23 00-0001)		
22 35 23 00-0012	EA		30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow	6,042.41	440.52
22 35 23 00-0013	EA		90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow	6,790.79	537.89
22 35 23 00-0014	EA		140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow	8,648.56	695.52
22 35 23 00-0015	EA		230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow.....	11,254.93	970.41
22 35 23 00-0016	EA		500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow.....	16,534.76	1,622.92
22 35 23 00-0017	EA		900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow.....	20,403.21	1,787.24
22 35 23 00-0018	EA		1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow.....	23,602.76	2,091.72
22 35 23 00-0019	EA		2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow.....	30,112.50	2,498.99
22 40 Plumbing Fixtures (22)					
			Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.		
22 41 Residential Plumbing Fixtures (22 40)					
22 41 39 Residential Faucets, Supplies, And Trim (22 41)					
22 41 39 00-0001			Kitchen Faucets (22 41 39)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0002 EA Chrome, Single Handle Kitchen Faucet..... Note: Stainless steel ball function.	105.66	20.81
22 41 39 00-0003 EA Chrome, Single Handle Kitchen Faucet (Delta Model 400WF).....	124.88	20.81
22 41 39 00-0004 EA Chrome, Single Handle Kitchen Faucet (Delta Model 300WF).....	124.88	20.81
22 41 39 00-0005 EA Chrome, Two Handles, Three Hole Installation 8"Center (Delta Model 2102-LHP+H215)	119.57	20.81
22 41 39 00-0006 EA Chrome, Two Handles, Three Hole Installation Installation, 8" Center (Delta Model 2402-LHP+H215)	129.90	20.81
22 41 39 00-0007 Lavatory Faucets (22 41 39)		
22 41 39 00-0008 EA Chrome Single Acrylic Handle Bath Faucet (Delta 502-DST)..... For Faucet With Brass Pop-Up, Add	100.04 11.00	14.98
22 41 39 00-0009 EA Chrome Single Lever Handle Bath Faucet (Delta 500WF)..... For Faucet With Brass Pop-Up, Add	100.04 11.00	14.98
22 41 39 00-0010 EA Chrome Two Handle Bath Faucet With Acrylic Handles (Delta 2502LF)..... For Faucet With Brass Pop-Up, Add For Faucet With Plastic Pop-Up, Add	68.43 16.50 14.00	14.98
22 41 39 00-0011 Bath And Shower Faucets (22 41 39)		
22 41 39 00-0012 EA Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)..... For Faucet With Polished Nickel Or Brass Finish, Add	131.53 25.00	18.05
22 41 39 00-0013 EA Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)..... For Faucet With Polished Nickel Or Brass Finish, Add	157.81 25.00	18.05
22 41 39 00-0014 EA Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)..... For Faucet With Polished Nickel Or Brass Finish, Add For Faucet With Lever Handles, Add	120.07 14.00 17.75	18.05
22 41 39 00-0015 EA Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)..... For Faucet With Polished Nickel Or Brass Finish, Add For Faucet With Lever Handles, Add	134.22 14.00 17.75	18.05
22 41 39 00-0016 EA Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602).....	154.03	11.30
22 41 39 00-0017 EA Wall Mount, Hand Shower With Hose (Delta 55011).....	125.87	11.30
22 41 39 00-0018 EA Wall Mount, Hand Shower Unit With Hose (Alsons 62001 DS).....	160.87	11.30
22 41 39 00-0019 Laundry Faucets (22 41 39)		
22 41 39 00-0020 EA Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	84.81	13.28
22 41 39 00-0021 Laundry/Wash Basin Faucets (22 41 39)		
22 41 39 00-0022 EA Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	85.61	13.28
22 41 39 00-0023 EA Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	126.47	14.64
22 41 39 00-0024 Other Faucets (22 41 39)		
22 41 39 00-0025 EA Sillcock, Compact, Brass, IPS Or Copper To Hose	17.16	3.39
22 42 Commercial Plumbing Fixtures (22 40)		
Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.		
22 42 13 Commercial Water Closets, Urinals, And Bidets (22 42)		
22 42 13 13 Commercial Water Closets (22 42 13)		
22 42 13 13-0001 Vitreous China Water Closets (22 42 13 13)		
Note: With a 2" ball pass.		
22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™).....	319.59	43.27
22 42 13 13-0004 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado).....	315.25	43.27
22 42 13 13-0005 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®).....	403.42	43.27
22 42 13 13-0006 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™).....	556.14	43.27
22 42 13 13-0007 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™).....	485.32	43.27
22 42 13 13-0008 Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0009 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®).....	360.08	53.26
22 42 13 13-0010 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit).....	481.01	53.26
22 42 13 13-0011 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™).....	646.74	53.26
22 42 13 13-0012 Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001)		
Note: Includes wax seal and toilet seat. Excludes flush valve.		

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0013 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	325.51	43.27
22 42 13 13-0014 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	336.11	43.27
22 42 13 13-0015 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	382.84	43.27
22 42 13 13-0016 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	440.66	43.27
22 42 13 13-0017 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	438.25	43.27
22 42 13 13-0018 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	622.77	43.27
22 42 13 13-0019 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	507.14	43.27
22 42 13 13-0020 Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets <small>(22 42 13 13-0001)</small> Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0021 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	348.82	43.27
22 42 13 13-0022 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	330.80	43.27
22 42 13 13-0023 EA 2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	405.97	43.27
22 42 13 13-0024 Stainless Steel Water Closets <small>(22 42 13 13)</small>		
22 42 13 13-0025 EA Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	2,506.09	93.63
22 42 13 13-0026 EA Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,649.80	93.63
22 42 13 13-0027 Water Closet Carriers <small>(22 42 13 13)</small>		
22 42 13 13-0028 Pipe Grip Adaptor Type, Water Closet Carriers <small>(22 42 13 13-0027)</small> Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0029 EA Pipe Grip Adaptor Type, Water Closet Carrier	335.70	21.98
22 42 13 13-0030 No-Hub, Water Closet Carriers <small>(22 42 13 13-0027)</small> Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0031 EA Vertical Close With Offset, No-Hub, Single Water Closet Carrier	545.61	21.98
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-51.51	
For Positioning Frame, Add	31.01	
For Supply Pipe Support, Add	31.78	
For Vandal Proof Trim, Add	43.83	
For Auxiliary Inlet, Add	135.57	
For Special Duty 500 LB Carrier, Add	244.52	
22 42 13 13-0032 EA Vertical Close On Stack, No-Hub, Single Water Closet Carrier	545.61	21.98
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-51.51	
For Positioning Frame, Add	31.01	
For Supply Pipe Support, Add	31.78	
For Vandal Proof Trim, Add	43.83	
For Auxiliary Inlet, Add	135.57	
For Special Duty 500 LB Carrier, Add	244.52	
22 42 13 13-0033 EA Horizontal Adjustable, No-Hub, Single Water Closet Carrier	600.21	21.98
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-51.51	
For Positioning Frame, Add	31.01	
For Supply Pipe Support, Add	31.78	
For Vandal Proof Trim, Add	43.83	
For Auxiliary Inlet, Add	135.57	
For Horizontal No Hub Cast Long Barrel, Add	144.30	
For Carrier For Wide Chase Installations, Add	182.22	
For Special Duty 1,000 LB Carrier, Add	244.52	
22 42 13 13-0034 EA Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	670.18	21.98
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-51.51	
For Positioning Frame, Add	31.01	
For Supply Pipe Support, Add	31.78	
For Vandal Proof Trim, Add	43.83	
For 4" Branch, Add	109.70	
For Auxiliary Inlet, Add	135.57	
For Carrier For Wide Chase Installations, Add	182.22	
For Double 4" Branches, Add	220.15	
For Special Duty 1,000 LB Carrier, Add	244.52	
22 42 13 13-0035 EA Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	917.46	32.25
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-103.01	
For Positioning Frame, Add	65.14	
For Supply Pipe Support, Add	66.69	
For Vandal Proof Trim, Add	87.67	
For Auxiliary Inlet, Add	141.82	
For Special Duty 500 LB Carrier, Add	489.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13	13-0036	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Special Duty 500 LB Carrier, Add</i>	945.15 -103.01 65.14 66.69 87.67 141.82 489.03	32.25
22 42 13	13-0037	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier..... <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Double 4" Branches, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	1,165.83 -103.01 65.14 66.69 87.67 112.82 141.82 226.40 383.17 489.04	32.25
22 42 13	13-0038	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Horizontal No Hub Cast Long Barrel, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	1,093.55 -103.01 65.14 66.69 87.67 147.42 383.17 489.04	32.25
22 42 13 13-0039 Hub And Spigot, Water Closet Carriers (22 42 13 13-0027)					
Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.					
22 42 13	13-0040	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Hanger Type Closet Adapter, Add</i> <i>For Auxiliary Inlet, Add</i>	545.61 31.01 31.78 43.83 109.96 135.57	21.98
22 42 13	13-0041	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Special Duty 500 LB Carrier, Add</i>	545.61 31.01 31.78 43.83 135.57 244.52	21.98
22 42 13	13-0042	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier..... <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Double 4" Branches, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	696.32 -51.51 31.01 31.78 43.83 109.70 135.57 182.22 220.15 244.52	21.98
22 42 13	13-0043	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier..... <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	917.46 65.14 66.69 87.67 141.82 219.91	32.25
22 42 13	13-0044	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Double 4" Branches, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	1,191.97 -103.01 65.14 66.69 87.67 112.82 141.82 226.40 383.17 489.04	32.25
22 42 13 13-0045 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers (22 42 13 13-0027)					
Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.					
22 42 13	13-0046	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	411.05 31.01 31.78 43.83 109.96	21.98
22 42 13 13-0047 Institutional Water Closet Carriers (22 42 13 13-0027)					
Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.					
22 42 13	13-0048	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i>	1,548.76 -103.01 65.14 66.69 87.67 141.82	32.25



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 13 13-0049			Removal And Reinstallation Of Fixtures And Trim (22 42 13 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0050	EA		Removal And Reinstallation Of Wall Hung Water Closet With Tank	191.05	
22 42 13 13-0051	EA		Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	191.05	
22 42 13 13-0052	EA		Removal And Reinstallation Of Floor Mount Water Closet With Tank	147.13	
22 42 13 13-0053	EA		Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve.....	147.13	
22 42 13 16			Commercial Urinals (22 42 13)		
22 42 13 16-0001			Vitreous China Urinals (22 42 13 16) Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002			Wall Hung Urinals (22 42 13 16-0001)		
22 42 13 16-0003	EA		Washout, Wall Hung, Vitreous China Urinal (American Standard Maybrook™)	272.46	44.53
22 42 13 16-0004	EA		Washout, Wall Hung, Vitreous China Urinal (American Standard Decorum™).....	287.88	44.53
22 42 13 16-0005	EA		Washout, Wall Hung, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	361.11	44.53
22 42 13 16-0006	EA		Blowout, Wall Hung, Vitreous China Urinal (American Standard Lynbrook™).....	406.88	44.53
22 42 13 16-0007	EA		Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Trimbrook™)	359.66	44.53
22 42 13 16-0008	EA		Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Allbrook™)	284.69	44.53
22 42 13 16-0009			Floor Mounted Urinals (22 42 13 16-0001)		
22 42 13 16-0010	EA		Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™).....	535.83	56.18
22 42 13 16-0011			Waterfree Urinals (22 42 13 16-0001)		
22 42 13 16-0012	EA		Waterfree, Wall Hung, Vitreous China Urinal (American Standard Small FloWise® Flush-Free)	302.52	31.21
			For Colored Fixtures, Add	66.90	
			For Each, Deduct	-22.63	
			Note: This applies when more than one urinal is purchased for a project.		
22 42 13 16-0013	EA		Waterfree, Wall Hung, Vitreous China Urinal (American Standard Medium FloWise® Flush-Free)	347.81	31.21
			For Colored Fixtures, Add	66.90	
			For Each, Deduct	-27.79	
			Note: This applies when more than one urinal is purchased for a project.		
22 42 13 16-0014	EA		Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free).....	370.45	31.21
			For Colored Fixtures, Add	66.90	
			For Each, Deduct	-30.37	
			Note: This applies when more than one urinal is purchased for a project.		
22 42 13 16-0015	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-1000)	584.03	31.21
			For Colored Fixtures, Add	66.90	
			For Each, Deduct	-54.72	
			Note: This applies when more than one urinal is purchased for a project.		
22 42 13 16-0016	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	531.27	31.21
			For Colored Fixtures, Add	66.90	
			For Each, Deduct	-48.71	
			Note: This applies when more than one urinal is purchased for a project.		
22 42 13 16-0017	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	397.79	31.21
			For Colored Fixtures, Add	66.90	
			For Each, Deduct	-33.49	
			Note: This applies when more than one urinal is purchased for a project.		
22 42 13 16-0018	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	397.79	31.21
			For Colored Fixtures, Add	66.90	
			For Each, Deduct	-33.49	
			Note: This applies when more than one urinal is purchased for a project.		
22 42 13 16-0019	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	502.66	31.21
			For Colored Fixtures, Add	66.90	
			For Each, Deduct	-45.44	
			Note: This applies when more than one urinal is purchased for a project.		
22 42 13 16-0020	EA		Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	783.03	31.21
			For Each, Deduct	-77.41	
			Note: This applies when more than one urinal is purchased for a project.		
22 42 13 16-0021			Stainless Steel Urinals (22 42 13 16)		
22 42 13 16-0022	EA		Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1).....	2,586.93	93.63
22 42 13 16-0023	EA		5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C).....	3,366.58	114.43
22 42 13 16-0024			Urinal Carriers (22 42 13 16)		
22 42 13 16-0025			Floor Mounted, Urinal Carriers (22 42 13 16-0024) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0026	EA		Floor Mounted Hanger Plate Type, Single Urinal Carrier	299.71	15.82
			For Up To 4" Extension Sleeves And Hardware, Add	16.15	
22 42 13 16-0027	EA		Floor Mounted Bearing Plate Type, Single Urinal Carrier	328.93	15.82
			For Up To 4" Extension Sleeves And Hardware, Add	16.15	
22 42 13 16-0028			Wall Mounted, Urinal Carriers (22 42 13 16-0024) Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0029	EA		Wall Mounted Hanger Plate Type, Single Urinal Carrier	117.47	15.82
			For Up To 6-1/2" Extension Sleeves And Hardware, Add	16.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0030 Removal And Reinstallation Of Fixtures And Trim <small>(22 42 13 16)</small> Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0031 EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	189.56	
22 42 16 Commercial Lavatories And Sinks <small>(22 42)</small>		
22 42 16 13 Commercial Lavatories <small>(22 42 16)</small>		
22 42 16 13-0001 Lavatories <small>(22 42 16 13)</small> Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002 Wall Hung Lavatories <small>(22 42 16 13-0001)</small>		
22 42 16 13-0003 EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	308.55	27.88
22 42 16 13-0004 EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	324.93	27.88
22 42 16 13-0005 EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	428.35	27.88
22 42 16 13-0006 EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	278.68	27.88
22 42 16 13-0007 EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	232.91	27.88
22 42 16 13-0008 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	286.39	27.88
22 42 16 13-0009 EA 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	308.28	27.88
22 42 16 13-0010 EA 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users).....	372.62	27.88
22 42 16 13-0011 Countertop Lavatories <small>(22 42 16 13-0001)</small>		
22 42 16 13-0012 EA 21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	266.78	33.71
22 42 16 13-0013 EA 19" Diameter Enameled Steel Countertop Lavatory (American Standard Colony Round™)	244.13	33.71
22 42 16 13-0014 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	283.06	33.71
22 42 16 13-0015 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™).....	300.46	33.71
22 42 16 13-0016 EA 24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®).....	393.39	36.41
22 42 16 13-0017 Pedestal Lavatories <small>(22 42 16 13-0001)</small>		
22 42 16 13-0018 EA 19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™).....	350.07	80.10
22 42 16 13-0019 Pre-Molded Culture Marble Lavatory Vanity <small>(22 42 16 13-0001)</small> Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular.		
22 42 16 13-0020 EA 17" x 20" Pre-Molded Culture Marble Vanity Top With Lavatory.....	141.50	26.01
For Colored Fixtures, Add	25.95	
22 42 16 13-0021 EA 18" x 24" Pre-Molded Culture Marble Vanity Top With Lavatory.....	168.49	31.21
For Colored Fixtures, Add	30.77	
22 42 16 13-0022 EA 18" x 30" Pre-Molded Culture Marble Vanity Top With Lavatory.....	183.45	33.29
For Colored Fixtures, Add	33.90	
22 42 16 13-0023 EA 18" x 36" Pre-Molded Culture Marble Vanity Top With Lavatory.....	195.92	35.37
For Colored Fixtures, Add	36.31	
22 42 16 13-0024 EA 19" x 25" Pre-Molded Culture Marble Vanity Top With Lavatory.....	172.65	31.21
For Colored Fixtures, Add	31.97	
22 42 16 13-0025 EA 19" x 31" Pre-Molded Culture Marble Vanity Top With Lavatory.....	185.94	33.29
For Colored Fixtures, Add	34.62	
22 42 16 13-0026 EA 19" x 37" Pre-Molded Culture Marble Vanity Top With Lavatory.....	197.58	35.37
For Colored Fixtures, Add	36.79	
22 42 16 13-0027 EA 19" x 43" Pre-Molded Culture Marble Vanity Top With Lavatory.....	220.43	36.41
For Colored Fixtures, Add	42.81	
22 42 16 13-0028 EA 19" x 49" Pre-Molded Culture Marble Vanity Top With Lavatory.....	239.13	37.45
For Colored Fixtures, Add	47.63	
22 42 16 13-0029 EA 22" x 25" Pre-Molded Culture Marble Vanity Top With Lavatory.....	189.26	31.21
For Colored Fixtures, Add	36.79	
22 42 16 13-0030 EA 22" x 31" Pre-Molded Culture Marble Vanity Top With Lavatory.....	214.18	33.29
For Colored Fixtures, Add	42.81	
22 42 16 13-0031 EA 22" x 37" Pre-Molded Culture Marble Vanity Top With Lavatory.....	226.65	35.37
For Colored Fixtures, Add	45.22	
22 42 16 13-0032 EA 22" x 43" Pre-Molded Culture Marble Vanity Top With Lavatory.....	242.02	36.41
For Colored Fixtures, Add	49.07	
22 42 16 13-0033 EA 22" x 49" Pre-Molded Culture Marble Vanity Top With Lavatory.....	255.74	37.45
For Colored Fixtures, Add	52.45	
22 42 16 13-0034 EA 22" x 55" Pre-Molded Culture Marble Vanity Top With Lavatory.....	273.19	39.53
For Colored Fixtures, Add	56.30	
22 42 16 13-0035 Stainless Steel Lavatories <small>(22 42 16 13-0001)</small>		
22 42 16 13-0036 EA 18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,266.44	72.82
22 42 16 13-0037 Solid Surface Multi-Station Lavatory Systems <small>(22 42 16 13-0001)</small> Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0038 EA 2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	3,622.24	54.50
For Integral Liquid Soap Dispenser, Add	171.00	
For Integral Photovoltaic Power Panels, Add	563.00	
22 42 16 13-0039 EA 3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	5,346.32	54.50
For Integral Liquid Soap Dispenser, Add	171.00	
For Integral Photovoltaic Power Panels, Add	657.00	
22 42 16 13-0040 EA 12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	228.73	18.17
22 42 16 13-0041 EA 18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	289.56	18.17
22 42 16 13-0042 EA 36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	599.38	18.17

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 42 16 13-0043	Lavatory Carriers (22 42 16 13)		
22 42 16 13-0044	Floor Mounted, Lavatory Carriers (22 42 16 13-0043)		
22 42 16 13-0045	Floor Mounted Plate Type, Lavatory Carriers (22 42 16 13-0044)		
	Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0046	EA Floor Mounted Hanger Plate Type, Single Lavatory Carrier	299.71	15.82
	For Up To 4" Extension Sleeves And Hardware, Add	16.15	
	For Valve Plate For Attaching To Upright, Add	54.04	
	For Corner Carrier, Add	105.00	
22 42 16 13-0047	EA Floor Mounted Bearing Plate Type, Single Lavatory Carrier	328.93	15.82
	For Up To 4" Extension Sleeves And Hardware, Add	16.15	
	For Valve Plate For Attaching To Upright, Add	54.04	
22 42 16 13-0048	EA Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	380.45	15.82
	For Up To 4" Extension Sleeves And Hardware, Add	32.29	
	For Valve Plate For Attaching To Upright, Add	108.06	
22 42 16 13-0049	EA Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	439.65	15.82
	For Up To 4" Extension Sleeves And Hardware, Add	32.29	
	For Valve Plate For Attaching To Upright, Add	108.06	
22 42 16 13-0050	Floor Mounted, Lavatory Carriers With Arms (22 42 16 13-0044)		
	Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0051	EA Floor Mounted, Single Lavatory Carrier With Concealed Arms	388.77	18.72
	For Up To 6-1/2" Extension Sleeves And Hardware, Add	16.15	
	For Concealed Arm Carrier For Wheelchair Lavatory, Add	22.30	
	For Valve Plate For Attaching To Upright, Add	54.87	
	For 2" Chrome Plated Escutcheons, Add	54.59	
	For 4" Or 6" Chrome Plated Escutcheons, Add	99.19	
22 42 16 13-0052	EA Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	530.25	18.72
	For Up To 4-1/2" Extension Sleeves And Hardware, Add	16.15	
	For Vandal Proof Trim, Add	43.83	
	For Valve Plate For Attaching To Upright, Add	54.87	
	For Heavy Duty Carrier, Add	56.13	
22 42 16 13-0053	EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	529.48	18.72
	For Up To 6-1/2" Extension Sleeves And Hardware, Add	32.29	
	For Concealed Arm Carrier For Wheelchair Lavatory, Add	44.60	
	For Valve Plate For Attaching To Upright, Add	109.73	
	For 2" Chrome Plated Escutcheons, Add	109.19	
	For 4" Or 6" Chrome Plated Escutcheons, Add	198.38	
22 42 16 13-0054	EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	800.14	18.72
	For Up To 4-1/2" Extension Sleeves And Hardware, Add	32.29	
	For Vandal Proof Trim, Add	87.67	
	For Valve Plate For Attaching To Upright, Add	109.73	
	For Heavy Duty Carrier, Add	112.26	
22 42 16 13-0055	Wall Mounted, Lavatory Carriers (22 42 16 13-0043)		
22 42 16 13-0056	Wall Mounted Plate Type, Lavatory Carriers (22 42 16 13-0055)		
	Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0057	EA Wall Mounted Hanger Plate Type, Single Lavatory Carrier	117.47	15.82
	For Double Plate Carrier, Add	39.53	
22 42 16 13-0058	Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 13-0055)		
	Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0059	EA Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	209.61	18.72
	For Up To 4" Extension Sleeves And Hardware, Add	16.15	
	For 2" Chrome Plated Escutcheons, Add	54.59	
22 42 16 13-0060	EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	252.67	18.72
	For Movable Mounting Brackets, Deduct	-41.51	
	For Up To 4" Extension Sleeves And Hardware, Add	16.15	
	For 2" Chrome Plated Escutcheons, Add	54.59	
	For 4" Or 6" Chrome Plated Escutcheons, Add	99.19	
22 42 16 13-0061	EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	385.69	18.72
	For Up To 4-1/2" Extension Sleeves And Hardware, Add	16.15	
	For Vandal Proof Trim, Add	43.83	
22 42 16 13-0062	Removal And Reinstallation Of Lavatory And Trim (22 42 16 13)		
	Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0063	EA Removal And Reinstallation Of Wall Hung Lavatory With Faucet	122.39	
22 42 16 16	Commercial Sinks (22 42 16)		
22 42 16 16-0001	Sinks (22 42 16 16)		
	Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002	Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0003	EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	382.32	39.12
22 42 16 16-0004	EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	526.36	44.53
22 42 16 16-0005	EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	582.15	38.28
	For 18 Gauge, Add	213.06	
22 42 16 16-0006	EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	602.21	38.28
	For 18 Gauge, Add	223.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0007 EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222).....	647.34	38.28
For 18 Gauge, Add	245.65	
22 42 16 16-0008 EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522).....	682.42	39.12
For 18 Gauge, Add	260.70	
22 42 16 16-0009 EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122).....	895.57	44.53
For 18 Gauge, Add	359.33	
22 42 16 16-0010 EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321).....	919.60	44.53
For 18 Gauge, Add	371.27	
22 42 16 16-0011 EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	907.29	38.28
22 42 16 16-0012 EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	929.85	38.28
22 42 16 16-0013 EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	986.69	38.28
22 42 16 16-0014 EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,057.71	39.12
22 42 16 16-0015 EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,304.29	44.53
22 42 16 16-0016 Undermount Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0017 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	786.86	38.28
22 42 16 16-0018 EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	784.42	38.28
22 42 16 16-0019 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	795.22	38.28
22 42 16 16-0020 EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	852.06	38.28
22 42 16 16-0021 Multi-Station Wash Sink, Wall Mounted (22 42 16 16-0001)		
Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0022 EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,146.10	67.62
Note: Excludes faucets.		
22 42 16 16-0023 EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,569.62	72.82
Note: Excludes faucets.		
22 42 16 16-0024 EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,816.16	78.02
Note: Excludes faucets.		
22 42 16 16-0025 EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	1,778.68	52.02
Note: Excludes faucets.		
22 42 16 16-0026 EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	1,978.38	57.21
Note: Excludes faucets.		
22 42 16 16-0027 EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,173.59	62.42
Note: Excludes faucets.		
22 42 16 16-0028 EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,408.40	70.22
Note: Excludes faucets.		
22 42 16 16-0029 EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	2,380.99	114.43
Note: Includes sensor operated spray heads.		
22 42 16 16-0030 Laundry Sinks (22 42 16 16-0001)		
22 42 16 16-0031 EA 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	332.34	44.53
22 42 16 16-0032 EA 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	401.24	44.53
22 42 16 16-0033 EA 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	331.16	44.53
22 42 16 16-0034 EA 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	574.65	44.53
22 42 16 16-0035 EA 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	860.78	49.93
22 42 16 16-0036 Refinish Sink/Lavatory (22 42 16 16-0001)		
22 42 16 16-0037 EA Refinish Sink/Lavatory.....	114.71	
22 42 16 16-0038 Service Sinks (22 42 16 16-0001)		
22 42 16 16-0039 EA 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	626.90	66.99
22 42 16 16-0040 EA 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	664.48	66.99
22 42 16 16-0041 EA 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	818.91	88.63
22 42 16 16-0042 EA 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zum FD2377-PO3-F).....	305.60	62.42
22 42 16 16-0043 EA 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	365.59	62.42
22 42 16 16-0044 EA 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	393.93	74.90
22 42 16 16-0045 EA 24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010).....	404.14	62.42
22 42 16 16-0046 EA 36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010).....	448.44	74.90
22 42 16 16-0047 EA 24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	487.11	62.42
22 42 16 16-0048 EA 36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	603.32	74.90
22 42 16 16-0049 Stainless Steel Sink And Drainboard (22 42 16 16-0001)		
22 42 16 16-0050 EA 24" x 24" Stainless Steel Sink With One Compartment And Drainboard , 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L).....	2,590.23	104.03
22 42 16 16-0051 Soapstone Sinks (22 42 16 16-0001)		
22 42 16 16-0052 EA 26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink.....	640.31	38.28
22 42 16 16-0053 SF Soapstone Sink Backsplash.....	107.99	
22 42 16 16-0054 EA 30" x 18-1/2" x 10" Single Bowl Soapstone Sink.....	833.07	44.53

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0055 EA 36" x 18-1/2" x 10" Double Bowl Soapstone Sink	998.37	44.53
22 42 16 16-0056 Sink Carriers (22 42 16 16)		
22 42 16 16-0057 Floor Mounted, Sink Carriers (22 42 16 16-0056) Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0058 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	449.65	15.82
For Vandal Proof Trim, Add	43.83	
For Valve Plate For Attaching To Upright, Add	54.04	
22 42 16 16-0059 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	713.39	15.82
For Vandal Proof Trim, Add	43.83	
For Auxiliary Vent, Add	127.09	
22 42 16 16-0060 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	901.02	15.82
For Up To 4" Extension Sleeves And Hardware, Add	33.06	
For Vandal Proof Trim, Add	43.83	
22 42 16 16-0061 Removal And Reinstallation Of Sink And Trim (22 42 16 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0062 EA Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	167.79	
22 42 19 Commercial Bathtubs (22 42)		
22 42 19 00-0001 Recessed Alcove Bathtubs (22 42 19)		
22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0003 EA 54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	914.43	115.68
22 42 19 00-0004 EA 60" x 30" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler Villager®).....	439.57	115.68
22 42 19 00-0005 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	766.45	115.68
22 42 19 00-0006 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	918.15	115.68
22 42 19 00-0007 EA 66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®).....	1,215.76	115.68
22 42 19 00-0008 Porcelain Enameled Steel, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0009 EA 60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	338.95	115.68
22 42 19 00-0010 EA 60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	349.55	115.68
22 42 19 00-0011 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0012 EA 60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	558.16	115.68
22 42 19 00-0013 Acrylic, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0014 EA 60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	578.20	115.68
22 42 19 00-0015 EA 60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	706.31	115.68
22 42 19 00-0016 EA 66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	722.86	115.68
22 42 19 00-0017 EA 72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	712.69	115.68
22 42 19 00-0018 EA 72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	749.27	115.68
22 42 19 00-0019 Bathtub Refinishing (22 42 19 00-0001)		
22 42 19 00-0020 EA Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	278.86	
22 42 19 00-0021 Tub And Shower Combinations (22 42 19)		
22 42 19 00-0022 Acrylic Tub And Shower Combination (22 42 19 00-0021)		
22 42 19 00-0023 EA 1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032).....	618.20	39.23
For 2 Piece Enclosure, Deduct	-131.51	
22 42 19 00-0024 Fiberglass Tub And Shower Combination (22 42 19 00-0021)		
22 42 19 00-0025 EA 1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	448.98	39.23
22 42 19 00-0026 EA 2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	373.20	26.16
22 42 19 00-0027 EA 4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	722.83	59.23
22 42 23 Commercial Showers (22 42)		
22 42 23 00-0001 Shower Enclosures (22 42 23) Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002 Powder Coated Or Baked Enamel Steel Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0003 EA 32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	893.95	67.11
22 42 23 00-0004 EA 36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	893.95	67.11
22 42 23 00-0005 EA 40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,380.17	67.11
22 42 23 00-0006 EA 40" x 48" x 82" Handcapped, Baked Enamel Steel Shower Enclosure (General Partitions)	1,524.52	67.11
22 42 23 00-0007 Solid Plastic Core High Density Polymer (HDP) Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0008 EA 32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,509.32	67.11



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various plumbing fixtures like Shower Enclosures, Acrylic Shower Receptors, Molded Stone Shower Receptors, Precast Terrazzo Shower Receptors, and Shower Receptors Accessories.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 33 00-0003	EA	36"	Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	3,266.31	63.58
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0004	EA	36"	Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	5,826.27	63.58
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0005	EA	54"	Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	7,995.45	72.66
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0006	EA	54"	Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	3,771.46	72.66
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0007	EA	54"	Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	6,993.61	72.66
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	

22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl (22 42 33)

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA	36"	Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	5,453.96	54.50
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0010	EA	36"	Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	2,994.76	54.50
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0011	EA	36"	Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	4,395.80	54.50
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0012	EA	54"	Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	6,705.71	63.58
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0013	EA	54"	Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	3,621.25	63.58
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0014	EA	54"	Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	5,233.51	63.58
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	

22 42 39 Commercial Faucets, Supplies, And Trim (22 42)

22 42 39 00-0001 Kitchen Faucets (22 42 39)

22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	115.48	20.81
22 42 39 00-0003	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST).....	133.09	20.81
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	142.84	20.81
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440-SS-DST).....	166.25	20.81
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	106.17	20.81
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	118.58	20.81
22 42 39 00-0008	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	160.40	20.81
22 42 39 00-0009	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	107.92	20.81
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	103.22	20.81
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	126.18	20.81
22 42 39 00-0012	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	232.55	20.81
22 42 39 00-0013	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	257.22	20.81
22 42 39 00-0014	EA	Wall Mount Kitchen Faucet, Two Handle, 11" Long Swing Spout (Delta 28T6943).....	212.82	20.81
22 42 39 00-0015	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	239.20	22.59
22 42 39 00-0016	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	429.37	20.81
22 42 39 00-0017	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	549.05	20.81
22 42 39 00-0018	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	588.94	20.81
22 42 39 00-0019	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	429.37	20.81
22 42 39 00-0020	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	549.05	20.81
22 42 39 00-0021	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	588.94	20.81

22 42 39 00-0022 Lavatory Faucets (22 42 39)

22 42 39 00-0023	EA	Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	150.99	14.98
22 42 39 00-0024	EA	4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	100.04	14.98
22 42 39 00-0025	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	127.91	14.98
22 42 39 00-0026	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	141.81	14.98
22 42 39 00-0027	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	177.70	14.98
22 42 39 00-0028	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF).....	209.58	14.98



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0029	EA		Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	121.91	14.98
22 42 39 00-0030	EA		Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	193.68	14.98
22 42 39 00-0031	EA		Easy-Push Metering Faucet Wash-Up Fitting (Speakman S-4123).....	116.17	14.98
22 42 39 00-0032	EA		Easy-Push Metering 4" Centerset Faucet (Speakman S-4141-LD).....	197.06	14.98
22 42 39 00-0033	EA		3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	138.74	14.98
22 42 39 00-0034	EA		3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	170.76	14.98
22 42 39 00-0035	EA		4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	166.97	14.98
22 42 39 00-0036			Bath And Shower Faucets (22 42 39)		
22 42 39 00-0037			Bath And Shower Faucets With Valve Body (22 42 39 00-0036)		
22 42 39 00-0038	EA		Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	135.57	18.05
22 42 39 00-0039	EA		Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	161.86	18.05
22 42 39 00-0040	EA		Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	178.71	18.05
22 42 39 00-0041	EA		Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	124.11	18.05
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0042	EA		Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501).....	130.85	18.05
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0043	EA		Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502).....	150.40	18.05
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0044	EA		Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	172.64	18.05
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0045			Shower Valves And Trim (22 42 39)		
			See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0046	EA		Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	207.74	28.08
22 42 39 00-0047	EA		Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	516.25	28.08
22 42 39 00-0048	EA		Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	346.30	28.08
22 42 39 00-0049	EA		Senior Institutional Shower Head (Symmons® 4-150).....	131.36	18.05
22 42 39 00-0050	EA		Universal Institutional Shower Head (Symmons® 4-151).....	231.72	18.05
22 42 39 00-0051	EA		Fre-Flo Institutional Shower Head (Symmons® 4-295).....	157.78	18.05
22 42 39 00-0052	EA		Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	114.51	18.05
22 42 39 00-0053	EA		Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	404.89	27.05
22 42 39 00-0054	EA		Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	417.17	31.21
22 42 39 00-0055	EA		Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	531.15	31.21
22 42 39 00-0056	EA		Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	545.30	33.29
22 42 39 00-0057	EA		Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	731.68	28.08
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
			<i>For Recessed Soap Dish, Add</i>	108.12	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0058	EA		Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	877.95	28.08
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
			<i>For Recessed Soap Dish, Add</i>	108.12	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0059	EA		Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	584.24	28.08
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0060	EA		Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	903.66	28.08
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0061	EA		Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	972.52	28.08
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0062	EA		Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	1,830.13	28.08
			<i>For Recessed Soap Dish, Add</i>	83.94	
			<i>For Pressure Balance And Metering Combination, Add</i>	227.79	
22 42 39 00-0063	EA		Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	1,593.30	28.08
			<i>For Recessed Soap Dish, Add</i>	83.94	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0064	EA		Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	778.59	28.08
22 42 39 00-0065	EA		Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,217.93	28.08
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0066	EA		Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	777.48	28.08

22 Plumbing
22 40 Plumbing Fixtures
22 42 Commercial Plumbing Fixtures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0067	EA		Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS) <i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	775.06 59.07	28.08
22 42 39 00-0068	Service Sink Faucets (22 42 39)				
22 42 39 00-0069	EA		2-1/4" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Knoxford®)	239.60	34.64
22 42 39 00-0070	EA		4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Kinlock™)	296.29	34.64
22 42 39 00-0071	EA		3" Spout, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.235)	202.33	34.64
22 42 39 00-0072	EA		3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.243)	220.53	34.64
22 42 39 00-0073	EA		6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	229.97	34.64
22 42 39 00-0074	EA		7-1/4" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8355.101).....	297.27	48.56
22 42 39 00-0075	EA		7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8355.110)	331.94	55.34
22 42 39 00-0076	EA		11" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.115).....	391.25	55.34
22 42 39 00-0077	EA		44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-LCP).....	434.65	55.34
22 42 39 00-0078	Bubblers And Glass Fillers (22 42 39)				
22 42 39 00-0079	EA		Self-closing Bubbler Faucet, Single Handle	222.11	14.73
22 42 39 00-0080	EA		Wall Mount glass filler, 1/2" flanged female inlet.....	191.74	19.43
22 42 39 00-0081	EA		7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged overall outlet height	218.89	14.73
22 42 39 00-0082	EA		Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	123.44	21.10
22 42 39 00-0083	EA		Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	261.21	15.99
22 42 39 00-0084	EA		Self Closing Lever Handle Drinking Bubbler, 1/2" IPS (Haws 5057LF).....	287.16	15.99
22 42 39 00-0085	EA		Push Button Bubbler, 1/2" OD (Haws 5017LF)	264.92	15.99
22 42 39 00-0086	EA		Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	218.07	15.99
22 42 39 00-0087	Electronic Infrared Sensor Faucets (22 42 39)				
22 42 39 00-0088	EA		Electronic lavatory faucet..... <i>For Faucet With Temperature Control, Add</i>	398.48 40.00	34.70
22 42 39 00-0089	EA		Electronic lavatory gooseneck faucet..... <i>For Faucet With Temperature Control, Add</i>	402.52 40.00	34.70
22 42 39 00-0090	EA		Electronic Gooseneck Faucets (Chicago Faucet 116.103.AB.1)	548.27	37.68
22 42 39 00-0091	EA		Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	575.90	34.70
22 42 39 00-0092	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	868.53	37.68
22 42 39 00-0093	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT).....	1,096.42	37.68
22 42 39 00-0094	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,021.69	37.68
22 42 39 00-0095	EA		Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	705.08	34.70
22 42 39 00-0096	EA		Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	850.75	34.70
22 42 39 00-0097	Other Trim (22 42 39)				
22 42 39 00-0098	EA		Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	9.52	2.26
22 42 39 00-0099	EA		1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP).....	64.19	6.78
22 42 39 00-0100	EA		Basket Strainer Assembly (American Standard 055781-0070A).....	23.84	5.65
22 42 39 00-0101	EA		1-1/4" Chrome Plated Cast P-Trap With Or Without Cleanout.....	77.40	11.81
22 42 39 00-0102	EA		1-1/2" Chrome Plated Cast P-Trap With Or Without Cleanout.....	78.41	12.48
22 42 39 00-0103	EA		1-1/2" Cast Brass P-Trap With Cleanout.....	138.37	12.48
22 42 39 00-0104	EA		Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102).....	35.12	6.24
22 42 39 00-0105	EA		Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus).....	37.14	6.24
22 42 39 00-0106	EA		Lavatory Protective Enclosure (IPS Truebro Lav Shield)	103.35	6.24
22 42 39 00-0107	EA		36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	129.39	6.24
22 42 39 00-0108	EA		42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	148.30	6.24
22 42 39 00-0109	Removal And Reinstallation Of Fixtures And Trim (22 42 39)				
			Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0110	EA		Removal And Reinstallation Of Faucet	36.15	
22 42 43	Flushometers (22 42)				
22 42 43 00-0001	Water Closet Flush Valves (22 42 43)				
22 42 43 00-0002	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-115)	164.21	14.18
22 42 43 00-0003	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	158.60	14.18
22 42 43 00-0004	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	187.14	14.18
22 42 43 00-0005	EA		Concealed Manual Water Closet Flush Valve, Back Spud (Sloan Royal-140).....	259.09	14.18
22 42 43 00-0006	EA		Concealed Manual Water Closet Flush Valve, Top Spud (Sloan Royal-142)	291.27	14.18
22 42 43 00-0007	EA		Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S).....	555.42	14.18
22 42 43 00-0008	EA		Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	549.42	14.18
22 42 43 00-0009	EA		Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	581.88	14.18
22 42 43 00-0010	EA		Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113).....	538.30	14.18
22 42 43 00-0011	EA		Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)	226.27	8.32
			Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012	EA		Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110).....	464.81	14.18
22 42 43 00-0013	EA		Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89AM)	262.64	14.18
22 42 43 00-0014	EA		Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	227.85	14.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0015 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	236.81	12.48
22 42 43 00-0016 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X).....	258.67	12.48
22 42 43 00-0017 EA 6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	76.80	2.56
22 42 43 00-0018 EA Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	349.24	14.18
22 42 43 00-0019 Urinal Flush Valves (22 42 43)		
22 42 43 00-0020 EA Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Sloan Regal 186 XL)	148.76	14.18
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0021 EA Exposed Manual Urinal Flush Valve, 1-1/4" Top Spud (Sloan Regal 180)	162.12	14.18
Note: 1.0, 1.5 or 3.5 GPF.		
22 42 43 00-0022 EA Concealed Manual Urinal Flush Valve, Back Spud (Sloan Royal 195).....	225.94	14.18
Note: 1.0 or 1.5 GPF.		
22 42 43 00-0023 EA Concealed Manual Urinal Flush Valve, Top Spud (Sloan Royal 197).....	278.51	14.18
Note: 1.0 or 1.5 GPF.		
22 42 43 00-0024 EA Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S)	451.82	14.18
Note: 1.0 or 1.5 GPF.		
22 42 43 00-0025 EA Concealed Infrared Urinal Flush Valve, Back Spud (Sloan Royal 195-WB-ES-S).....	615.42	14.18
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0026 EA Concealed Infrared Urinal Flush Valve, Top Spud (Sloan Royal 197-WB-ES-S).....	693.34	14.18
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0027 EA Exposed Battery Powered Urinal Flush Valve, Top Spud (Sloan G2 Opt+8186-1).....	444.00	14.18
Note: 1.0 GPF.		
22 42 43 00-0028 EA Exposed Infrared Urinal Flush Valve (Toto EcoPower TEU1LN).....	563.82	14.18
Note: 0.5 GPF.		
22 42 43 00-0029 EA Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12).....	616.74	14.18
Note: 0.5 GPF.		
22 42 43 00-0030 EA Concealed Infrared Urinal Flush Valve, 0.5 GPF (Toto EcoPower TEU2LN21 Or TEU3LN21).....	981.71	14.18
Note: 0.5 GPF.		
22 42 43 00-0031 EA Exposed Solar/Battery Powered Urinal Flush Valve, Top Spud (Sloan Solis 8186-0.13)	328.43	14.18
Note: 0.13 GPF.		
22 42 43 00-0032 Removal And Reinstallation Of Fixtures And Trim (22 42 43)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0033 EA Removal And Reinstallation Of Flush Valve	56.48	
22 42 43 00-0034 Plumbing Control Transformers (22 42 43)		
22 42 43 00-0035 EA 6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	34.58	
22 42 46 Chemical Toilets (22 42)		
Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001 Standard Chemical Toilets (22 42 46)		
22 42 46 00-0002 Small Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0003 EA Chemical Toilet, Small Tank 7,000 Uses/Year.....	1,822.92	416.10
For Extra Urinal, Add	65.78	
22 42 46 00-0004 Medium Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0005 EA Chemical Toilet, Medium Tank 13,000 Uses/Year	2,161.09	495.59
For Extra Urinal, Add	77.41	
22 42 46 00-0006 Large Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0007 EA Chemical Toilet, Large Tank 28,000 Uses/Year	2,817.38	562.16
For Extra Urinal, Add	124.46	
22 43 Healthcare Plumbing Fixtures (22 40)		
22 43 13 Healthcare Water Closets (22 43)		
22 43 13 00-0001 Healthcare Water Closets (22 43 13)		
22 43 13 00-0002 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	448.36	43.27
22 43 13 00-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	335.63	43.27
22 43 16 Healthcare Sinks (22 43)		
22 43 16 00-0001 Healthcare Sinks (22 43 16)		
Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002 EA 25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	775.87	27.88
For Stainless Steel Rim Guards (Three Sides), Add	76.60	
22 43 16 00-0003 EA 29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard).....	803.91	80.10
For Stainless Steel Rim Guards (Three Sides), Add	76.60	
For Pedestal Base, Add	351.22	
22 43 16 00-0004 EA 28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard).....	742.15	27.88
For Painted Bracket Supports, Add	115.16	
22 43 16 00-0005 EA 20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	640.98	27.88



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 43 39 Healthcare Faucets (22 43)

22 43 39 00-0001			Medical Faucet Spouts (22 43 39)		
22 43 39 00-0002	EA		Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	61.32	6.24
22 43 39 00-0003			Electronic Proximity Medical Faucets (22 43 39)		
22 43 39 00-0004	EA		DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	369.73	30.55
			<i>For Hard Wired AC Powered, Add</i>	17.44	
22 43 39 00-0005			Foot And Knee Faucet Controls (22 43 39)		
22 43 39 00-0006	EA		Single Supply Metering Pedal Valve (Chicago Faucet 628)	215.76	55.51
22 43 39 00-0007	EA		Double Supply Metering Pedal Valve (Chicago Faucet 625)	262.27	55.51
22 43 39 00-0008	EA		Knee Action Mixing Valve	620.75	55.51
22 43 39 00-0009	EA		Double Knee Actuated Metering Mixing Valve (American Standard 7676)	406.68	55.51

22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)

22 43 43 00-0001			Healthcare Plumbing Fixture Flushometers (22 43 43)		
22 43 43 00-0002	EA		Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	137.68	14.18
22 43 43 00-0003	EA		Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	334.47	14.18

22 43 46 Patient Care Fixtures (22 43)

22 43 46 00-0001			Modular Patient Care Units (22 43 46)		
22 43 46 00-0002	EA		47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	10,705.88	83.22
			<i>For SDB Single Temperature Dialysis Box, Add</i>	794.70	
			<i>For DDB Dual Temperature Dialysis Box, Add</i>	844.06	
			<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	585.64	
			<i>For LOCK Flush Valve Lockout Device, Add</i>	447.94	
22 43 46 00-0003	EA		31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	8,420.86	72.82
			<i>For SDB Single Temperature Dialysis Box, Add</i>	794.70	
			<i>For DDB Dual Temperature Dialysis Box, Add</i>	844.06	
			<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	585.64	
			<i>For LOCK Flush Valve Lockout Device, Add</i>	447.94	
22 43 46 00-0004			Patient Care Plumbing Accessories (22 43 46)		
22 43 46 00-0005	EA		One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,025.12	11.30
22 43 46 00-0006	EA		Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	1,130.50	11.30

22 45 Emergency Plumbing Fixtures (22 45)**22 45 13 Emergency Showers (22 45)**

22 45 13 00-0001			Emergency Drench Showers (22 45 13)		
22 45 13 00-0002			Emergency Drench Showers (Haws) (22 45 13 00-0001)		
			Note: Includes one pull rod.		
22 45 13 00-0003	EA		Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	390.00	72.82
22 45 13 00-0004	EA		Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	465.84	72.82
22 45 13 00-0005	EA		Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	507.97	72.82
22 45 13 00-0006	EA		Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	634.36	72.82
22 45 13 00-0007	EA		Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	895.58	72.82
22 45 13 00-0008	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	663.59	83.22
22 45 13 00-0009	EA		Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	722.32	93.63
22 45 13 00-0010	EA		Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	642.27	93.63
22 45 13 00-0011	EA		Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	659.12	93.63
22 45 13 00-0012	EA		Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	975.10	93.63
22 45 13 00-0013			Emergency Drench Showers (Speakman) (22 45 13 00-0001)		
			Note: Includes one pull rod.		
22 45 13 00-0014	EA		Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	308.10	72.82
22 45 13 00-0015	EA		Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	320.23	72.82
22 45 13 00-0016	EA		Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	544.61	83.22

22 45 16 Eyewash Equipment (22 45)

22 45 16 00-0001			Emergency Eyewash Equipment (22 45 16)		
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Plumbing	22	22
Plumbing Fixtures	22 40	
Emergency Plumbing Fixtures	22 45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 16 00-0002			Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)		
22 45 16 00-0003	EA		Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620).....	223.24	2.08
22 45 16 00-0004	EA		Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	907.69	93.63
22 45 23			Personal Eyewash Equipment (22 45)		
22 45 23 00-0001			Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002			Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003	EA		Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H)	1,350.22	6.24
22 45 26			Eye/Face Wash Equipment (22 45)		
22 45 26 00-0001			Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002			Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		
22 45 26 00-0003	EA		Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460)	470.57	52.02
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	436.35	72.82
22 45 26 00-0005	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B)	423.71	72.82
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT)	473.42	72.82
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B)	478.48	72.82
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT)	538.30	72.82
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009	EA		Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	777.61	72.82
22 45 26 00-0010	EA		Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	1,578.10	72.82
22 45 26 00-0011	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	545.62	83.22
22 45 26 00-0012	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	642.52	83.22
22 45 26 00-0013	EA		Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	1,619.97	83.22
22 45 26 00-0014	EA		Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	433.43	20.81
22 45 26 00-0015	EA		Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	416.58	20.81
22 45 26 00-0016	EA		Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	437.64	20.81
22 45 26 00-0017	EA		Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	559.82	20.81
22 45 26 00-0018	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	1,269.76	104.03
22 45 26 00-0019	EA		Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCCSM).....	1,611.54	83.22
22 45 26 00-0020	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	1,623.66	104.03
22 45 26 00-0021	EA		Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCCSM)	1,973.87	83.22
22 45 26 00-0022			Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)		
22 45 26 00-0023	EA		Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	358.66	72.82
22 45 26 00-0024	EA		Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	447.54	83.22
22 45 29			Hand-Held Emergency Drench Hoses (22 45)		
22 45 29 00-0001			Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)		
22 45 29 00-0002			Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)		
22 45 29 00-0003	EA		Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	456.48	26.01
22 45 29 00-0004	EA		Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	532.32	26.01
22 45 33			Combination Emergency Fixture Units (22 45)		
22 45 33 00-0001			Emergency Shower With Eye/Face Wash (22 45 33)		
22 45 33 00-0002			Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)		
22 45 33 00-0003	EA		Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	2,735.15	135.24

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP).....	1,774.56	135.24
		Note: Includes freeze protection bury valve.		
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309).....	1,163.65	135.24
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158).....	1,993.64	135.24
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP).....	1,399.59	135.24
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC).....	1,302.69	135.24
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317).....	1,079.39	135.24
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336).....	1,917.80	135.24
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	2,124.25	135.24
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW).....	2,170.59	135.24
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	2,452.87	135.24
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD).....	2,617.18	135.24
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	2,570.84	135.24
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP).....	3,961.17	135.24
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....	4,188.68	135.24
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	9,118.03	135.24
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,079.39	135.24
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP).....	1,252.13	135.24
22 45 33 00-0021		Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)		
22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690).....	891.99	135.24
22 45 36		Emergency Fixture Water-Tempering Equipment (22 45)		
22 45 36 00-0001		Emergency Fixture Water-Tempering Equipment (22 45 36)		
22 45 36 00-0002		Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0003	EA	10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EV).....	485.97	26.01
22 45 36 00-0004	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	734.55	26.01
22 45 36 00-0005	EA	31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,101.09	26.01
22 45 36 00-0006	EA	78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,307.53	26.01
22 45 36 00-0007	EA	31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	1,872.09	26.01
22 45 36 00-0008	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	1,977.42	26.01
22 45 36 00-0009	EA	74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE).....	3,355.11	26.01
22 45 36 00-0010	EA	78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	4,041.85	26.01
22 45 36 00-0011	EA	1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B).....	549.17	26.01
22 45 39		Emergency Plumbing Fixture Accessories (22 45)		
22 45 39 00-0001		Emergency Plumbing Fixture Accessories (22 45 39)		
22 45 39 00-0002		Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)		
22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	121.98	8.32
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	176.75	8.32
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	185.17	8.32
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	216.90	3.12
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	223.24	2.08
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	240.04	4.16
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFFK).....	378.40	31.21
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP).....	426.73	15.36
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	645.82	15.36
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	734.55	31.21



	Plumbing	22
	Plumbing Fixtures	22 40
	Emergency Plumbing Fixtures	22 45

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 39 00-0013 EA Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	1,467.38	15.36
22 45 39 00-0014 EA 1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	1,576.95	51.17
22 45 39 00-0015 EA 1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	1,610.66	51.17
22 45 39 00-0016 EA 1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	3,051.55	51.17
22 45 39 00-0017 EA 1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	5,874.34	51.17
22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)		
22 45 39 00-0019 EA Privacy Curtain For Emergency Showers..... Note: Curtain includes stainless steel curtain rod and mounting accessories.	684.33	31.21
22 47 Drinking Fountains And Water Coolers (22 40)		
22 47 13 Drinking Fountains (22 47)		
22 47 13 00-0001 Indoor Drinking Fountains (22 47 13)		
22 47 13 00-0002 Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0003 EA Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S).....	1,387.47	67.62
22 47 13 00-0004 EA Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP).....	2,077.41	72.82
22 47 13 00-0005 EA Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E).....	1,875.93	67.62
22 47 13 00-0006 EA Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP).....	2,253.32	72.82
22 47 13 00-0007 EA Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFBS).....	880.55	67.62
22 47 13 00-0008 EA Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFESBP).....	1,070.69	72.82
22 47 13 00-0009 EA Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE).....	1,015.69	67.62
22 47 13 00-0010 EA Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP).....	1,253.35	72.82
22 47 13 00-0011 EA Stainless Steel Face-Mounted Rectangle Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5905).....	732.62	67.62
22 47 13 00-0012 Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0013 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	899.43	72.82
22 47 13 00-0014 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	1,345.47	72.82
22 47 13 00-0015 EA Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8BLWF).....	1,854.64	72.82
22 47 13 00-0016 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0017 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801).....	1,251.86	78.02
22 47 13 00-0018 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C).....	2,882.86	78.02
22 47 13 00-0019 Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0020 EA Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	1,339.52	83.22
22 47 13 00-0021 EA Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	2,590.80	83.22
22 47 13 00-0022 Countertop Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0023 EA Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000).....	517.67	52.02
22 47 13 00-0024 EA Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000).....	494.11	52.02
22 47 13 00-0025 EA Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028).....	623.20	52.02
22 47 13 00-0026 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0027 EA Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A).....	419.68	52.02
22 47 13 00-0028 EA Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540).....	529.10	52.02
22 47 13 00-0029 Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0030 EA Stainless Steel Two Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020).....	2,699.16	83.22
22 47 13 00-0031 EA Stainless Steel Three Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030).....	3,441.60	83.22
22 47 13 00-0032 EA Marblyte, Face-Mounted Two Station Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120).....	2,566.21	83.22
22 47 13 00-0033 EA White Enameled Iron Two Station Indoor Drinking Fountains With Bubblers (Haws 1430).....	2,135.71	83.22
22 47 13 00-0034 EA White Enameled Iron Three Station Indoor Drinking Fountains With Bubblers (Haws 1435).....	2,736.85	83.22
22 47 13 00-0035 EA Stainless Steel, Bi-Level Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFESBP, Haws 1119.14 With 6700.4).....	2,308.74	106.16
22 47 13 00-0036 EA Cast Aluminum Two Station Indoor Drinking Fountains With Bubblers (Haws 1441).....	2,897.10	83.22

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains And Water Coolers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0037 EA Cast Aluminum Three Station Indoor Drinking Fountains With Bubblers (Haws 1408).....	2,844.49	83.22
22 47 13 00-0038 Outdoor Drinking Fountains (22 47 13)		
22 47 13 00-0039 Face Mounted (22 47 13 00-0038)		
22 47 13 00-0040 EA Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR).....	1,146.21	83.22
22 47 13 00-0041 EA Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEFB-FR).....	1,274.15	83.22
22 47 13 00-0042 EA Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592).....	1,218.60	83.22
22 47 13 00-0043 EA Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR).....	1,873.46	83.22
22 47 13 00-0044 Free Standing (22 47 13 00-0038)		
22 47 13 00-0045 EA Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715).....	2,352.95	78.02
22 47 13 00-0046 EA Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR).....	3,373.96	78.02
22 47 13 00-0047 EA Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710).....	2,349.56	78.02
22 47 13 00-0048 EA Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR).....	3,308.75	78.02
22 47 13 00-0049 EA Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720).....	3,568.70	83.22
22 47 13 00-0050 EA Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR).....	3,636.88	83.22
22 47 13 00-0051 EA Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591).....	1,248.60	78.02
22 47 13 00-0052 EA Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590).....	2,278.88	78.02
22 47 13 00-0053 EA Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR).....	3,299.89	78.02
22 47 13 00-0054 EA Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595).....	3,902.87	83.22
22 47 13 00-0055 EA Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR).....	5,550.97	83.22
22 47 16 Pressure Water Coolers (22 47)		
22 47 16 00-0001 Indoor Water Coolers (22 47 16)		
22 47 16 00-0002 Face Mounted Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0003 EA Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	2,712.67	83.22
22 47 16 00-0004 EA Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q).....	2,908.79	83.22
22 47 16 00-0005 Wall Mounted Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0006 EA Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q).....	1,193.35	83.22
22 47 16 00-0007 EA Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q).....	1,243.85	83.22
22 47 16 00-0008 EA Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q).....	1,402.10	83.22
22 47 16 00-0009 EA Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS).....	1,462.70	83.22
22 47 16 00-0010 EA Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA).....	1,035.10	83.22
22 47 16 00-0011 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS).....	1,228.70	83.22
22 47 16 00-0012 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS).....	926.52	83.22
22 47 16 00-0013 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	1,586.32	124.83
22 47 16 00-0014 Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0015 EA Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q).....	1,459.18	83.22
22 47 16 00-0016 Fully Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0017 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q).....	2,987.66	93.63
22 47 16 00-0018 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762).....	3,696.10	93.63
22 47 16 00-0019 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	4,362.26	93.63
22 47 16 00-0020 Free Standing Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0021 EA Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	1,166.65	72.82
22 47 16 00-0022 EA Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....	1,265.13	72.82
22 47 16 00-0023 EA Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	1,457.88	72.82
22 47 16 00-0024 EA Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q).....	1,640.54	72.82
22 47 16 00-0025 Bottled Water Coolers (22 47 16 00-0001)		
22 47 16 00-0026 EA Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water.....	367.15	41.61
22 47 16 00-0027 EA Free-Standing Bottled Water Cooler With Chilled Or Hot Water.....	457.60	41.61
22 47 16 00-0028 Multi-Station Indoor Water Coolers (22 47 16 00-0001)		



	Plumbing	22
	Plumbing Fixtures	22 40
	Drinking Fountains And Water Coolers	22 47

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0029 EA Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	2,920.46	124.83
22 47 16 00-0030 EA Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	4,618.23	124.83
22 47 16 00-0031 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	1,743.73	124.83
22 47 16 00-0032 Outdoor Water Coolers (22 47 16)		
22 47 16 00-0033 Wall Mounted Outdoor Water Coolers (22 47 16 00-0032)		
22 47 16 00-0034 EA Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	1,314.80	52.02
22 47 16 00-0035 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	2,346.39	52.02
22 47 16 00-0036 Free Standing Outdoor Water Coolers (22 47 16 00-0032)		
22 47 16 00-0037 EA Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	2,187.13	78.02
22 47 16 00-0038 EA Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	2,658.50	78.02
22 47 16 00-0039 Removal And Reinstallation Of Fixtures And Trim (22 47 16)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0040 EA Removal And Reinstallation Of Wall Hung Water Cooler	205.38	
22 47 16 00-0041 EA Removal And Reinstallation Of Floor Mount Water Cooler	45.18	
22 47 23 Remote Water Coolers (22 47)		
22 47 23 00-0001 Remote Chillers (22 47 23)		
22 47 23 00-0002 EA 1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	761.54	28.08
22 47 23 00-0003 EA 5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	1,183.59	31.21
22 47 23 00-0004 EA 8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	995.35	36.41
22 47 23 00-0005 EA 10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	1,292.78	41.61
22 47 23 00-0006 EA 19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	2,031.35	62.42
22 47 23 00-0007 EA 30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	2,202.50	67.62
22 47 26 Fixture Carriers (22 47)		
22 47 26 00-0001 Water Cooler Carriers (22 47 26)		
22 47 26 00-0002 Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003 EA Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	299.71	15.82
For Up To 4" Extension Sleeves And Hardware, Add	16.15	
For Bi-Level Carrier, Add	174.42	
22 47 26 00-0004 EA Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	328.93	15.82
For Up To 4" Extension Sleeves And Hardware, Add	16.15	
For Bi-Level Carrier, Add	174.42	
22 50 Pool And Fountain Plumbing Systems (22)		
22 51 Swimming Pool Plumbing Systems (22 50)		
22 51 13 Swimming Pool Piping (22 51)		
22 51 13 00-0001 Swimming Pool Gutters (22 51 13)		
22 51 13 00-0002 LF Swimming Pool Gutters, Stainless.....	217.55	9.36
22 51 13 00-0003 Pool Drains (22 51 13)		
22 51 13 00-0004 Cast Iron Pool Drain With Bottom Outlet (22 51 13 00-0003)		
Note: Large square top and 24" loose set round super-flo grate.		
22 51 13 00-0005 EA Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate	1,312.10	26.21
For Polished Bronze Top, Add	769.60	
For Chromium Plated Top, Add	805.00	
For Galvanized Top, Add	276.40	
For Vandal Proof Construction, Add	57.20	
22 51 13 00-0006 Cast Iron Pool Drain With Waterproof Flange (22 51 13 00-0003)		
Note: Bottom outlet 14" square top and loose set square flange.		
22 51 13 00-0007 EA Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top	354.83	26.21
For Clamp Device, Add	13.80	
For Galvanized Top, Add	38.10	
For Polished Bronze Top, Add	133.50	
For Chromium Plated Top, Add	146.90	
For Hinge Grate, Add	28.60	
For Supplementary Strainer, Add	7.00	
For Threaded Outlet, Add	9.50	
For Vandal Proof Construction, Add	17.10	
For Ground Screw, Add	18.30	

22 Plumbing**22 50 Pool And Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 51 13 00-0008	Pool Supply Fittings (22 51 13)		
22 51 13 00-0009	Cast Iron Pool Supply Fittings (22 51 13 00-0008)		
	Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.		
22 51 13 00-0010	EA Cast Iron Pool Fitting For 2" Pipe.....	464.61	46.81
	For Galvanized Head, Add	26.30	
	For Vandal Proof Construction, Add	11.50	
	For Grounding Screw, Add	18.30	
22 51 13 00-0011	EA Cast Iron Pool Fitting For 3" Pipe.....	464.61	46.81
	For Chromium Plated Head, Add	11.50	
	For Galvanized Head, Add	26.30	
	For Vandal Proof Construction, Add	11.50	
	For Grounding Screw, Add	18.30	
22 51 16	Swimming Pool Pumps (22 51)		
22 51 16 00-0001	Variable Speed Pool Pumps (22 51 16)		
22 51 16 00-0002	EA 3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017)	1,446.76	176.85
22 51 16 00-0003	EA Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP)	1,601.89	176.85
22 51 16 00-0004	EA Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR)	1,810.09	176.85
22 51 16 00-0005	Electric Powered Portable Vacuum Cleaner Pump (22 51 16)		
	Note: Includes 75' of 3 wire electric safety cord.		
22 51 16 00-0006	EA 1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	243.04	20.81
22 51 16 00-0007	EA 1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	521.72	20.81
22 51 16 00-0008	Gasoline Driven Portable Vacuum Cleaner Pump (22 51 16)		
22 51 16 00-0009	EA 3 HP Gasoline Driven Portable Vacuum Cleaner Pump	2,374.32	20.81
22 51 19	Swimming Pool Water Treatment Equipment (22 51)		
22 51 19 00-0001	Condensing Pool Water Heater (22 51 19)		
22 51 19 00-0002	EA 372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400)	21,716.42	298.20
22 51 19 00-0003	EA 467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501)	23,612.24	357.83
22 51 19 00-0004	EA 567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601)	25,900.05	387.66
22 51 19 00-0005	EA 660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701)	31,900.00	417.48
22 51 19 00-0006	EA 773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801)	33,068.68	447.30
22 51 19 00-0007	EA 967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015)	50,325.05	536.76
22 51 19 00-0008	EA 1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320)	64,659.31	566.58
22 51 19 00-0009	EA 1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520)	67,236.06	611.31
22 51 19 00-0010	Non Condensing Pool Water Heater (22 51 19)		
22 51 19 00-0011	EA 500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0502)	11,374.21	387.66
22 51 19 00-0012	EA 650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0652)	12,116.09	417.48
22 51 19 00-0013	EA 750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0752)	13,210.17	447.30
22 51 19 00-0014	EA 990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0992)	17,533.47	536.76
22 51 19 00-0015	EA 1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1262)	20,395.58	566.58
22 51 19 00-0016	EA 1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1442)	21,763.87	611.31
22 51 19 00-0017	EA 1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1802)	21,514.16	641.12
22 51 19 00-0018	EA 2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN2072)	28,130.86	656.03
22 51 19 00-0019	Swimming Pool Heaters (22 51 19)		
	Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0020	Electric Pool Heaters (22 51 19 00-0019)		
22 51 19 00-0021	EA 12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool.....	2,765.25	83.22
22 51 19 00-0022	EA 18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool.....	3,100.90	89.46
22 51 19 00-0023	EA 24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool.....	3,431.61	104.03
22 51 19 00-0024	EA 30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool.....	3,592.65	124.83
22 51 19 00-0025	EA 36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool.....	3,850.79	174.77
22 51 19 00-0026	EA 60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool.....	4,279.76	249.66
22 51 19 00-0027	Gas Fired Pool Heaters (22 51 19 00-0019)		
22 51 19 00-0028	EA 120 MBH Output Gas Fired Pool Heater.....	2,574.75	183.92
22 51 19 00-0029	EA 180 MBH Output Gas Fired Pool Heater.....	2,942.57	218.40
22 51 19 00-0030	EA 240 MBH Output Gas Fired Pool Heater.....	3,662.91	383.17
22 51 19 00-0031	EA 300 MBH Output Gas Fired Pool Heater.....	4,245.31	459.81
22 51 19 00-0032	EA 360 MBH Output Gas Fired Pool Heater.....	4,749.22	610.06
22 51 19 00-0033	EA 400 MBH Output Gas Fired Pool Heater.....	5,558.62	762.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0034 Surge Tanks <small>(22 51 19)</small>		
Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0035 EA 1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	10,635.10	365.89
22 51 19 00-0036 EA 1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	11,975.15	365.89
22 51 19 00-0037 EA 2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	14,437.36	475.59
22 51 19 00-0038 EA 5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	18,937.29	767.55
22 51 19 00-0039 Diatomite Type Filter System <small>(22 51 19)</small>		
22 51 19 00-0040 EA 35,000 Gallon Filter System, Diatomite	6,355.69	1,132.70
22 51 19 00-0041 EA 45,000 Gallon Filter System, Diatomite	7,548.48	1,359.24
22 51 19 00-0042 Silver Recovery System, X-Ray Film Processing <small>(22 51 19)</small>		
22 51 19 00-0043 EA 20 Gallon/Day Capacity, Silver Recovery System	1,162.49	141.19
22 51 19 00-0044 EA 40 Gallon/Day Capacity, Silver Recovery System	1,736.66	188.28
22 51 19 00-0045 Inline Water Filter <small>(22 51 19)</small>		
Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0046 EA 2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body.....	133.46	41.61
22 51 19 00-0047 EA 6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	279.79	62.42
22 51 19 00-0048 Swimming Pool Chlorinators <small>(22 51 19)</small>		
22 51 19 00-0049 EA Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator.....	769.90	59.50
22 51 19 00-0050 Ultra-Violet Pool Treatment Lights <small>(22 51 19)</small>		
22 51 19 00-0051 Stainless Steel Ultra-Violet Pool Treatment Lights <small>(22 51 19 00-0050)</small>		
Note: Delta ELP Amalgam Series		
22 51 19 00-0052 EA 3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	8,568.31	159.98
22 51 19 00-0053 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	9,062.31	159.98
22 51 19 00-0054 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	9,485.74	159.98
22 51 19 00-0055 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	9,784.09	169.42
22 51 19 00-0056 EA 4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	9,993.93	169.42
22 51 19 00-0057 EA 4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	11,899.32	169.42
22 51 19 00-0058 EA 6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	13,960.54	272.35
22 51 19 00-0059 EA 6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	20,778.32	272.35
22 51 19 00-0060 EA 6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	22,826.59	272.35
22 51 19 00-0061 EA 8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	24,458.36	326.73
22 51 19 00-0062 EA 8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	26,282.85	326.73
22 51 19 00-0063 EA 8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	27,556.57	326.73
22 51 19 00-0064 EA 8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	28,933.55	326.73
22 51 19 00-0065 EA 10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	31,066.23	371.39
22 51 19 00-0066 EA 10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	33,475.95	371.39
22 51 19 00-0067 EA 10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	35,885.67	371.39
22 51 19 00-0068 EA 10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	38,811.75	371.39
22 51 19 00-0069 HDPE Ultra-Violet Pool Treatment Lights <small>(22 51 19 00-0050)</small>		
Note: Delta EL Series		
22 51 19 00-0070 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	4,239.44	159.98
22 51 19 00-0071 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	4,721.37	159.98
22 51 19 00-0072 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	5,217.53	169.42
22 51 19 00-0073 In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights <small>(22 51 19 00-0050)</small>		
Note: Delta EM Series		
22 51 19 00-0074 EA 3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	16,632.27	159.98
22 51 19 00-0075 EA 3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	16,804.38	159.98
22 51 19 00-0076 EA 6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	17,841.92	272.35
22 51 19 00-0077 EA 6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	22,640.69	272.35
22 51 19 00-0078 EA 8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	31,618.67	326.73
22 51 19 00-0079 EA 10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	35,679.13	371.39
22 51 19 00-0080 EA 12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	42,041.33	480.59
22 51 19 00-0081 EA 12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	47,205.00	480.59
22 51 23 Swimming Pool Equipment Controls <small>(22 51)</small>		
22 51 23 00-0001 Pool Pump Variable Frequency Drive <small>(22 51 23)</small>		
Note: Pentair Acu Drive XS		
22 51 23 00-0002 EA 3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01).....	2,680.74	98.26
22 51 23 00-0003 EA 5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01).....	2,874.71	110.54
22 51 23 00-0004 EA 7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01).....	3,438.98	138.17
22 51 23 00-0005 EA 10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01).....	3,644.28	164.89

22 Plumbing**22 50 Pool And Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**MINOR
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22 51 23 00-0006	EA	15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01).....	3,889.43	191.91
22 51 23 00-0007	EA	20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01).....	4,406.90	219.23
22 51 23 00-0008	EA	3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01).....	2,684.21	98.26
22 51 23 00-0009	EA	5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01).....	2,824.98	110.54
22 51 23 00-0010	EA	7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01).....	3,031.82	138.17
22 51 23 00-0011	EA	10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01).....	3,248.69	164.89
22 51 23 00-0012	EA	15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01).....	3,832.75	191.91
22 51 23 00-0013	EA	20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01).....	4,253.06	219.23
22 51 23 00-0014	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB).....	3,483.49	98.26
22 51 23 00-0015	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB).....	4,007.12	110.54
22 51 23 00-0016	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB).....	4,442.99	138.17
22 51 23 00-0017	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB).....	4,779.00	164.89
22 51 23 00-0018	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB).....	5,627.95	191.91
22 51 23 00-0019	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB).....	6,343.22	219.23
22 51 23 00-0020	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB).....	3,746.06	98.26
22 51 23 00-0021	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB).....	3,889.37	110.54
22 51 23 00-0022	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB).....	4,092.51	138.17
22 51 23 00-0023	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB).....	4,310.54	164.89
22 51 23 00-0024	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB).....	4,916.58	191.91
22 51 23 00-0025	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB).....	5,372.74	219.23
22 51 23 00-0026	EA	1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12).....	2,547.53	98.26
22 51 23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12).....	2,591.14	98.26
22 51 23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12).....	2,618.08	98.26
22 51 23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12).....	2,690.66	98.26
22 51 23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12).....	2,800.31	98.26
22 51 23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12).....	2,885.36	98.26
22 51 23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12).....	3,085.12	110.54
22 51 23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12).....	3,673.65	138.17
22 51 23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12).....	3,917.22	164.89
22 51 23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12).....	4,170.52	191.91
22 51 23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12).....	4,737.61	219.23
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12).....	6,233.38	273.27
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12).....	6,881.56	300.91
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12).....	8,159.66	328.55
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12).....	9,492.79	383.82
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12).....	10,405.42	411.45
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12).....	2,601.88	98.26
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12).....	2,658.20	98.26
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12).....	2,729.05	98.26
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12).....	2,789.97	98.26
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12).....	2,852.03	98.26
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12).....	2,917.54	98.26
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12).....	3,063.28	110.54
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12).....	3,272.54	138.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0050 EA 10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12).....	3,495.20	164.89
22 51 23 00-0051 EA 15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12).....	4,253.96	191.91
22 51 23 00-0052 EA 20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12).....	4,684.51	219.23
22 51 23 00-0053 EA 25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12).....	5,139.92	273.27
22 51 23 00-0054 EA 30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12).....	5,819.73	300.91
22 51 23 00-0055 EA 40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12).....	6,578.64	328.55
22 51 23 00-0056 EA 50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12).....	8,075.94	383.82
22 51 23 00-0057 EA 60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12).....	8,880.11	411.45
22 51 23 00-0058 EA 75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12).....	9,974.29	439.09
22 51 23 00-0059 EA 100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12).....	11,858.37	465.18
22 51 23 00-0060 EA 125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12).....	13,709.15	491.29
22 51 23 00-0061 EA 150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12).....	14,857.04	549.63
22 51 23 00-0062 EA 200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12).....	17,373.82	601.82
22 51 23 00-0063 EA 1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB).....	3,710.09	98.26
22 51 23 00-0064 EA 3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB).....	3,753.69	98.26
22 51 23 00-0065 EA 1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB).....	3,780.63	98.26
22 51 23 00-0066 EA 1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB).....	3,853.22	98.26
22 51 23 00-0067 EA 2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB).....	3,962.86	98.26
22 51 23 00-0068 EA 3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB).....	4,047.91	98.26
22 51 23 00-0069 EA 5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB).....	4,247.67	110.54
22 51 23 00-0070 EA 7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB).....	4,704.59	138.17
22 51 23 00-0071 EA 10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB).....	5,082.59	164.89
22 51 23 00-0072 EA 15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB).....	5,954.83	191.91
22 51 23 00-0073 EA 20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB).....	6,727.91	219.23
22 51 23 00-0074 EA 25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB).....	7,908.45	273.27
22 51 23 00-0075 EA 30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB).....	8,706.63	300.91
22 51 23 00-0076 EA 40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB).....	11,164.47	328.55
22 51 23 00-0077 EA 50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB).....	14,758.12	383.82
22 51 23 00-0078 EA 60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB).....	16,227.31	411.45
22 51 23 00-0079 EA 1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB).....	3,693.59	98.26
22 51 23 00-0080 EA 3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB).....	3,749.90	98.26
22 51 23 00-0081 EA 1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB).....	3,820.77	98.26
22 51 23 00-0082 EA 1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB).....	3,881.68	98.26
22 51 23 00-0083 EA 2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB).....	3,943.74	98.26
22 51 23 00-0084 EA 3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB).....	4,009.26	98.26
22 51 23 00-0085 EA 5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB).....	4,155.00	110.54
22 51 23 00-0086 EA 7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB).....	4,363.07	138.17
22 51 23 00-0087 EA 10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB).....	4,585.74	164.89
22 51 23 00-0088 EA 15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB).....	5,368.17	191.91
22 51 23 00-0089 EA 20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB).....	5,835.37	219.23
22 51 23 00-0090 EA 25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB).....	6,368.79	273.27
22 51 23 00-0091 EA 30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB).....	7,183.15	300.91
22 51 23 00-0092 EA 40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB).....	8,527.10	328.55
22 51 23 00-0093 EA 50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB).....	9,807.60	383.82

22 Plumbing**22 50 Pool And Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 51 23 00-0094	EA	60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB)	10,930.91	411.45
22 51 23 00-0095	EA	75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB)	12,722.41	439.09
22 51 23 00-0096	EA	100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB)	16,863.68	465.18
22 51 23 00-0097	EA	125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB)	18,673.17	491.29
22 51 23 00-0098	EA	150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB)	23,510.80	549.63
22 51 23 00-0099	EA	200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB)	27,658.65	601.82
22 51 23 00-0100	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136)	258.27	
22 51 23 00-0101	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236)	412.13	
22 51 23 00-0102	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172)	456.09	
22 51 23 00-0103	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272)	774.80	
22 51 23 00-0104	EA	380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372)	1,478.17	
22 51 23 00-0105	EA	3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT)	907.28	
22 51 23 00-0106	EA	4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT)	948.01	
22 51 23 00-0107	EA	6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT)	1,033.50	
22 51 23 00-0108	EA	8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT)	1,107.28	
22 51 23 00-0109	EA	3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT)	1,305.91	
22 51 23 00-0110	EA	4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT)	1,344.07	
22 51 23 00-0111	EA	6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT)	1,425.50	
22 51 23 00-0112	EA	8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT)	1,496.89	
22 51 23 00-0113	EA	10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT)	1,791.27	
22 51 23 00-0114	EA	12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT)	1,795.78	

22 51 23 00-0115 Eco-Flow-E Aquatic Variable Frequency Drive And Options (22 51 23)**22 51 23 00-0116 Eco-Flow-E Aquatic Variable Frequency Drive (22 51 23 00-0115)**

22 51 23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4)	2,118.12	81.88
		<i>For Bypass Panel, Add</i>	460.47	
22 51 23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4)	2,120.20	81.88
		<i>For Bypass Panel, Add</i>	460.47	
22 51 23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4)	2,151.78	92.12
		<i>For Bypass Panel, Add</i>	460.47	
22 51 23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	2,220.74	115.15
		<i>For Bypass Panel, Add</i>	460.47	
22 51 23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4)	2,393.65	137.41
		<i>For Bypass Panel, Add</i>	460.47	
22 51 23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4)	2,659.39	159.93
		<i>For Bypass Panel, Add</i>	545.44	
22 51 23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4)	3,138.00	182.69
		<i>For Bypass Panel, Add</i>	545.44	
22 51 23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4)	3,241.91	228.75
		<i>For Bypass Panel, Add</i>	545.44	
22 51 23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4)	3,891.95	251.53
		<i>For Bypass Panel, Add</i>	545.44	
22 51 23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4)	4,004.31	274.05
		<i>For Bypass Panel, Add</i>	667.89	
22 51 23 00-0127	EA	1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2)	2,106.32	81.88
		<i>For Bypass Panel, Add</i>	460.47	
22 51 23 00-0128	EA	1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2)	2,109.10	81.88
		<i>For Bypass Panel, Add</i>	460.47	
22 51 23 00-0129	EA	1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2)	2,122.28	81.88
		<i>For Bypass Panel, Add</i>	460.47	
22 51 23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2)	2,162.88	92.12
		<i>For Bypass Panel, Add</i>	545.44	
22 51 23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2)	2,340.11	115.15
		<i>For Bypass Panel, Add</i>	545.44	
22 51 23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2)	2,603.25	137.41
		<i>For Bypass Panel, Add</i>	545.44	
22 51 23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2)	3,086.21	159.93
		<i>For Bypass Panel, Add</i>	667.89	



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains multiple rows of plumbing items and their costs.

22 Plumbing**22 50 Pool And Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 51 23 00-0196	EA	>8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2).....	546.56	29.56
		Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0197	EA	2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020).....	172.66	
22 51 23 00-0198	EA	4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040).....	238.59	
22 51 23 00-0199	EA	6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060).....	293.08	
22 51 23 00-0200	EA	8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080).....	360.06	
22 51 23 00-0201	EA	10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100).....	478.05	
22 51 23 00-0202	EA	12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120).....	482.56	
22 51 23 00-0203	EA	24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524)	161.70	8.19
22 51 23 00-0204	EA	24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524)	227.28	8.19
22 51 23 00-0205	EA	24 Volt DC, Power Supply 30 Watt, 1.3 Amp (Signet 7300-3024)	283.50	8.19
22 51 23 00-0206	EA	24 Volt DC, Power Supply 50 Watt, 2.1 Amp (Signet 7300-5024)	362.62	8.19
22 51 23 00-0207	EA	24 Volt DC, Power Supply 100 Watt, 4.2 Amp (Signet 7300-1024)	508.36	8.19

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities ⁽²²⁾

22 63 Gas Systems For Laboratory And Healthcare Facilities ^(22 60)

 22 63 00 00-0001 Gas Piping For Laboratory And Healthcare Facilities ^(22 63)

 22 63 00 00-0002 Laboratory Gas Piping ^(22 63 00 00-0001)
 See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2049 for PVC piping.

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities ^(22 60)

22 66 53 Laboratory Chemical-Waste And Vent Piping ^(22 66)

 22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings ^(22 66 53)

 22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings ^(22 66 53 00-0001)

 22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe ^(22 66 53 00-0002)

22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	7.42	2.37
		For Schedule 80, Add	2.00	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	1.71	
		For Work In Restricted Working Space, Add	1.07	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	9.21	2.66
		For Schedule 80, Add	2.70	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.31	
		For Work In Restricted Working Space, Add	1.21	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	15.19	3.87
		For Schedule 80, Add	4.87	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	4.17	
		For Work In Restricted Working Space, Add	1.75	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	20.87	5.04
		For Schedule 80, Add	6.92	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	5.92	
		For Work In Restricted Working Space, Add	2.27	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	35.06	7.41
		For Schedule 80, Add	12.46	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	10.67	
		For Work In Restricted Working Space, Add	3.33	

 22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends ^(22 66 53 00-0002)

22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	28.89	8.95
		For Work In Restricted Working Space, Add	4.03	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	36.93	11.81
		For Work In Restricted Working Space, Add	5.31	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	52.92	13.53
		For Work In Restricted Working Space, Add	6.09	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	78.79	17.89
		For Work In Restricted Working Space, Add	8.06	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	167.27	26.42
		For Work In Restricted Working Space, Add	11.89	

 22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends ^(22 66 53 00-0002)

22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	28.63	8.95
		For Work In Restricted Working Space, Add	4.03	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	36.23	11.81
		For Work In Restricted Working Space, Add	5.31	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	54.25	13.53
		For Work In Restricted Working Space, Add	6.09	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	65.37	17.89
		For Work In Restricted Working Space, Add	8.06	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	146.47	26.42
		For Work In Restricted Working Space, Add	11.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0022 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	47.91	19.14
For Work In Restricted Working Space, Add	8.61	
22 66 53 00-0023 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	59.21	24.13
For Work In Restricted Working Space, Add	10.85	
22 66 53 00-0024 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	85.69	26.42
For Work In Restricted Working Space, Add	11.89	
22 66 53 00-0025 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	121.00	34.70
For Work In Restricted Working Space, Add	15.61	
22 66 53 00-0026 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	220.41	55.51
For Work In Restricted Working Space, Add	24.97	
22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0028 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	59.17	24.13
For Work In Restricted Working Space, Add	10.85	
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	82.47	26.42
For Work In Restricted Working Space, Add	11.89	
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	79.61	26.42
For Work In Restricted Working Space, Add	11.89	
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	113.67	34.70
For Work In Restricted Working Space, Add	15.61	
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	116.44	34.70
For Work In Restricted Working Space, Add	15.61	
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	200.00	55.51
For Work In Restricted Working Space, Add	24.97	
22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug <small>(22 66 53 00-0002)</small>		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	57.29	19.14
For Work In Restricted Working Space, Add	8.61	
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	61.47	24.13
For Work In Restricted Working Space, Add	10.85	
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	92.63	26.42
For Work In Restricted Working Space, Add	11.89	
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	124.20	34.70
For Work In Restricted Working Space, Add	15.61	
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	180.82	55.51
For Work In Restricted Working Space, Add	24.97	
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	53.18	19.14
For Work In Restricted Working Space, Add	8.61	
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	64.08	24.13
For Work In Restricted Working Space, Add	10.85	
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	88.59	26.42
For Work In Restricted Working Space, Add	11.89	
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	123.41	34.70
For Work In Restricted Working Space, Add	15.61	
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	264.46	55.51
For Work In Restricted Working Space, Add	24.97	
22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	70.53	24.13
For Work In Restricted Working Space, Add	10.85	
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	85.28	26.42
For Work In Restricted Working Space, Add	11.89	
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	85.28	26.42
For Work In Restricted Working Space, Add	11.89	
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	120.55	34.70
For Work In Restricted Working Space, Add	15.61	
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	120.55	34.70
For Work In Restricted Working Space, Add	15.61	
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	226.52	55.51
For Work In Restricted Working Space, Add	24.97	
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	228.74	55.51
For Work In Restricted Working Space, Add	24.97	
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	200.93	55.51
For Work In Restricted Working Space, Add	24.97	
22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses <small>(22 66 53 00-0002)</small>		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	66.01	23.93
For Work In Restricted Working Space, Add	10.76	
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	81.33	30.17
For Work In Restricted Working Space, Add	13.57	
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	121.75	33.04
For Work In Restricted Working Space, Add	14.86	
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	173.15	43.36
For Work In Restricted Working Space, Add	19.50	

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	319.09 31.21	69.36
22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	46.19 8.61	19.14
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	61.75 10.85	24.13
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	72.34 11.89	26.42
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	102.90 15.61	34.70
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	54.14 10.85	24.13
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	69.28 11.89	26.42
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	70.51 11.89	26.42
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	98.35 15.61	34.70
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	99.13 15.61	34.70
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	55.24 9.99	22.22
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	74.00 13.14	29.21
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	118.85 17.83	39.66
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	175.49 22.70	50.48
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)		
22 66 53 00-0077 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	28.16 4.03	8.95
22 66 53 00-0078 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	33.08 5.31	11.81
22 66 53 00-0079 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	39.31 6.09	13.53
22 66 53 00-0080 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	54.26 8.06	17.89
22 66 53 00-0081 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	80.67 11.89	26.42
22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)		
22 66 53 00-0083 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	26.32 4.03	8.95
22 66 53 00-0084 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	34.47 5.31	11.81
22 66 53 00-0085 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	41.87 6.09	13.53
22 66 53 00-0086 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	56.77 8.06	17.89
22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)		
22 66 53 00-0088 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	24.02 4.03	8.95
22 66 53 00-0089 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	30.34 5.31	11.81
22 66 53 00-0090 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	35.62 6.09	13.53
22 66 53 00-0091 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	47.13 8.06	17.89
22 66 53 00-0092 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	69.09 11.89	26.42
22 66 53 00-0093 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
Note: Acid resistant. ASTM A518.		
22 66 53 00-0094 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0093)		
22 66 53 00-0095 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	61.93 87.67	3.71 4.62
22 66 53 00-0096 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	120.11 197.69	5.33 7.08
22 66 53 00-0097 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	351.90	9.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0100 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	627.19	12.04
22 66 53 00-0101 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,123.55	16.21
22 66 53 00-0102 LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	2,011.45	18.59
22 66 53 00-0103 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0093)		
22 66 53 00-0104 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0103)		
22 66 53 00-0105 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	232.83	31.54
22 66 53 00-0106 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	310.09	34.70
22 66 53 00-0107 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	516.57	41.53
22 66 53 00-0108 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	776.07	46.77
22 66 53 00-0109 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,815.41	76.67
22 66 53 00-0110 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0103)		
22 66 53 00-0111 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	124.06	31.54
22 66 53 00-0112 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	167.19	34.70
22 66 53 00-0113 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	211.58	41.53
22 66 53 00-0114 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	607.58	46.77
22 66 53 00-0115 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,409.54	76.67
22 66 53 00-0116 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	2,161.59	95.52
22 66 53 00-0117 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,199.75	114.88
22 66 53 00-0118 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0103)		
22 66 53 00-0119 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	124.06	31.54
22 66 53 00-0120 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	167.19	34.70
22 66 53 00-0121 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	211.58	41.53
22 66 53 00-0122 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	432.69	46.77
22 66 53 00-0123 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,183.47	76.67
22 66 53 00-0124 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,746.02	95.52
22 66 53 00-0125 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,496.25	114.88
22 66 53 00-0126 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0103)		
22 66 53 00-0127 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	124.06	31.54
22 66 53 00-0128 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	167.19	34.70
22 66 53 00-0129 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	211.48	41.49
22 66 53 00-0130 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps (22 66 53 00-0103)		
22 66 53 00-0131 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	179.51	31.54
22 66 53 00-0132 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	335.68	34.70
22 66 53 00-0133 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	373.67	41.53
22 66 53 00-0134 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees (22 66 53 00-0103)		
22 66 53 00-0135 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	173.14	47.18
22 66 53 00-0136 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	223.45	52.31
22 66 53 00-0137 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	319.72	62.46
22 66 53 00-0138 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	553.26	70.29
22 66 53 00-0139 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,795.62	115.10
22 66 53 00-0140 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	2,568.92	143.72
22 66 53 00-0141 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0103)		
22 66 53 00-0142 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	161.67	45.23
22 66 53 00-0143 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	192.26	48.56
22 66 53 00-0144 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	218.26	50.26
22 66 53 00-0145 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	251.71	55.51
22 66 53 00-0146 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	271.43	57.25
22 66 53 00-0147 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	301.65	58.97
22 66 53 00-0148 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	379.46	60.82
22 66 53 00-0149 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	426.25	62.38
22 66 53 00-0150 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	481.73	65.25
22 66 53 00-0151 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees (22 66 53 00-0103)		
22 66 53 00-0152 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	202.97	47.18
22 66 53 00-0153 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	248.84	52.18
22 66 53 00-0154 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	347.44	62.46
22 66 53 00-0155 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees (22 66 53 00-0103)		
22 66 53 00-0156 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	191.51	45.23
22 66 53 00-0157 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	244.20	50.52
22 66 53 00-0158 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	297.26	57.43

22 Plumbing

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 66 53 00-0159	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	321.10	59.13
22 66 53 00-0160		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0103)</small>		
22 66 53 00-0161	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	171.09	47.27
22 66 53 00-0162	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	246.91	52.31
22 66 53 00-0163	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	319.65	62.42
22 66 53 00-0164	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	557.12	70.02
22 66 53 00-0165	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	2,277.44	114.99
22 66 53 00-0166		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0103)</small>		
22 66 53 00-0167	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	178.71	45.23
22 66 53 00-0168	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	192.24	48.56
22 66 53 00-0169	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	203.77	50.56
22 66 53 00-0170	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	228.25	55.51
22 66 53 00-0171	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	237.41	57.34
22 66 53 00-0172	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	293.38	59.13
22 66 53 00-0173	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	402.68	60.89
22 66 53 00-0174	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	488.10	62.38
22 66 53 00-0175	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	509.46	65.25
22 66 53 00-0176	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,314.25	92.77
22 66 53 00-0177	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,423.34	95.84
22 66 53 00-0178	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,756.98	100.73
22 66 53 00-0179		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0103)</small>		
22 66 53 00-0180	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	211.48	47.18
22 66 53 00-0181	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	255.24	52.18
22 66 53 00-0182	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	390.09	62.46
22 66 53 00-0183	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	612.70	70.09
22 66 53 00-0184		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0103)</small>		
22 66 53 00-0185	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	170.18	45.23
22 66 53 00-0186	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	200.77	48.56
22 66 53 00-0187	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	225.00	50.52
22 66 53 00-0188	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	243.18	55.51
22 66 53 00-0189	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	286.60	57.43
22 66 53 00-0190	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	329.61	59.09
22 66 53 00-0191	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	430.39	60.89
22 66 53 00-0192	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	549.97	62.41
22 66 53 00-0193	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	605.59	65.36
22 66 53 00-0194		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 66 53 00-0103)</small>		
22 66 53 00-0195	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	104.25	29.71
22 66 53 00-0196	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	115.27	31.38
22 66 53 00-0197	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	130.57	33.04
22 66 53 00-0198	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	223.41	36.62
22 66 53 00-0199	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	234.45	38.33
22 66 53 00-0200	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	250.46	39.02
22 66 53 00-0201	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	333.84	42.00
22 66 53 00-0202	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	489.30	57.52
22 66 53 00-0203	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	520.06	62.38
22 66 53 00-0204		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers <small>(22 66 53 00-0103)</small>		
22 66 53 00-0205	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	287.45	69.36
22 66 53 00-0206	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	398.35	69.36
22 66 53 00-0207	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	408.30	69.36
22 66 53 00-0208	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	439.68	87.02
22 66 53 00-0209		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0103)</small>		
22 66 53 00-0210	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	358.66	31.54
22 66 53 00-0211	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	435.92	34.70
22 66 53 00-0212	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	531.50	41.53
22 66 53 00-0213	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	1,624.91	46.77
22 66 53 00-0214		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 66 53 00-0103)</small>		
22 66 53 00-0215	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	164.58	31.54
22 66 53 00-0216	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	211.98	34.70
22 66 53 00-0217	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	296.89	41.53
22 66 53 00-0218	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	381.15	46.77
22 66 53 00-0219	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	767.54	65.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0220 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small>		
<small>Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.</small>		
22 66 53 00-0221 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	1.66	
22 66 53 00-0222 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	39.10	
22 66 53 00-0223 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
<small>Note: ASTM A518.</small>		
22 66 53 00-0224 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0223)</small>		
22 66 53 00-0225 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	49.27	2.79
22 66 53 00-0226 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	56.13	3.08
22 66 53 00-0227 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	77.74	3.87
22 66 53 00-0228 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	98.42	4.50
22 66 53 00-0229 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0223)</small>		
22 66 53 00-0230 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0229)</small>		
22 66 53 00-0231 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	171.77	22.10
22 66 53 00-0232 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	184.61	24.96
22 66 53 00-0233 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	258.82	27.55
22 66 53 00-0234 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	312.27	33.29
22 66 53 00-0235 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0236 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	88.59	22.10
22 66 53 00-0237 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	107.44	24.72
22 66 53 00-0238 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	141.67	27.63
22 66 53 00-0239 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	188.19	33.04
22 66 53 00-0240 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	105.38	23.34
22 66 53 00-0241 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0242 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	88.59	22.10
22 66 53 00-0243 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	107.44	24.72
22 66 53 00-0244 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	141.67	27.63
22 66 53 00-0245 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	188.19	33.04
22 66 53 00-0246 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0247 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	107.79	22.10
22 66 53 00-0248 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	137.30	24.72
22 66 53 00-0249 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	220.58	27.63
22 66 53 00-0250 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	245.78	33.04
22 66 53 00-0251 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0252 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	103.52	22.10
22 66 53 00-0253 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	124.50	24.72
22 66 53 00-0254 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	201.39	27.63
22 66 53 00-0255 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	226.58	33.04
22 66 53 00-0256 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0257 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	156.49	33.25
22 66 53 00-0258 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0229)</small>		
22 66 53 00-0259 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	122.36	33.25
22 66 53 00-0260 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	154.26	37.45
22 66 53 00-0261 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	209.73	41.73
22 66 53 00-0262 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	328.70	49.98
22 66 53 00-0263 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0229)</small>		
22 66 53 00-0264 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	143.61	36.04
22 66 53 00-0265 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	179.82	38.86
22 66 53 00-0266 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	192.53	40.24
22 66 53 00-0267 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	205.17	44.40
22 66 53 00-0268 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	228.41	45.64

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0269	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	249.68	47.02
22 66 53 00-0270			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0229)		
22 66 53 00-0271	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	122.52	33.37
22 66 53 00-0272	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	145.73	37.45
22 66 53 00-0273	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	201.20	41.73
22 66 53 00-0274	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	328.70	49.98
22 66 53 00-0275			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0229)		
22 66 53 00-0276	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	137.50	36.24
22 66 53 00-0277	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	173.41	38.82
22 66 53 00-0278	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	182.06	40.36
22 66 53 00-0279	EA		4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	205.38	44.53
22 66 53 00-0280	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	228.78	45.90
22 66 53 00-0281	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	243.45	47.14
22 66 53 00-0282			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes (22 66 53 00-0229)		
22 66 53 00-0283	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	188.20	44.44
22 66 53 00-0284	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	245.57	50.02
22 66 53 00-0285	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	321.83	55.34
22 66 53 00-0286	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	423.94	66.53
22 66 53 00-0287	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	209.21	47.06
22 66 53 00-0288	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	236.82	49.85
22 66 53 00-0289	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	287.89	52.59
22 66 53 00-0290	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	317.65	58.26
22 66 53 00-0291	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	390.33	61.20
22 66 53 00-0292			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses (22 66 53 00-0229)		
22 66 53 00-0293	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	213.76	44.44
22 66 53 00-0294	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	254.01	49.93
22 66 53 00-0295	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	377.75	55.63
22 66 53 00-0296	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	537.09	66.62
22 66 53 00-0297	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	230.52	47.06
22 66 53 00-0298	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	311.46	49.85
22 66 53 00-0299	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	328.38	52.59
22 66 53 00-0300	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	349.62	58.22
22 66 53 00-0301	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	456.12	60.96
22 66 53 00-0302			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0229)		
22 66 53 00-0303	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	139.27	33.12
22 66 53 00-0304	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	162.79	37.45
22 66 53 00-0305	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	201.20	41.73
22 66 53 00-0306	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	352.16	49.98
22 66 53 00-0307			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0229)		
22 66 53 00-0308	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	154.31	36.08
22 66 53 00-0309	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	173.57	38.95
22 66 53 00-0310	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	190.59	40.36
22 66 53 00-0311	EA		4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	267.23	44.53
22 66 53 00-0312	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	273.57	45.90
22 66 53 00-0313	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	309.57	47.14
22 66 53 00-0314			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0229)		
22 66 53 00-0315	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	228.60	44.36
22 66 53 00-0316	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	292.36	49.89
22 66 53 00-0317	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	435.04	55.47
22 66 53 00-0318	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	522.36	66.75
22 66 53 00-0319			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0229)		
22 66 53 00-0320	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	249.71	47.06
22 66 53 00-0321	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	305.05	49.81
22 66 53 00-0322	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	317.72	52.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0323 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	353.89	58.22
22 66 53 00-0324 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	456.12	60.96
22 66 53 00-0325 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers <small>(22 66 53 00-0229)</small>		
22 66 53 00-0326 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	105.73	23.60
22 66 53 00-0327 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	120.61	24.96
22 66 53 00-0328 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	141.78	29.13
22 66 53 00-0329 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	173.72	27.67
22 66 53 00-0330 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	184.32	29.05
22 66 53 00-0331 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	194.92	30.42
22 66 53 00-0332 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees <small>(22 66 53 00-0229)</small>		
22 66 53 00-0333 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	99.51	19.43
22 66 53 00-0334 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	116.13	21.98
22 66 53 00-0335 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	137.52	24.88
22 66 53 00-0336 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	262.97	30.29
22 66 53 00-0337 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs <small>(22 66 53 00-0229)</small>		
22 66 53 00-0338 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	42.16	11.06
22 66 53 00-0339 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	50.52	12.36
22 66 53 00-0340 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	54.83	13.82
22 66 53 00-0341 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	71.70	16.51
22 66 53 00-0342 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0229)</small>		
22 66 53 00-0343 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	192.91	21.98
22 66 53 00-0344 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	197.02	24.72
22 66 53 00-0345 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	246.18	27.63
22 66 53 00-0346 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	316.16	33.04
22 66 53 00-0347 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	274.28	23.64
22 66 53 00-0348 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	382.95	26.38
22 66 53 00-0349 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	465.95	29.13
22 66 53 00-0350 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	580.94	34.70
22 66 53 00-0351 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps <small>(22 66 53 00-0229)</small>		
22 66 53 00-0352 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	372.44	25.10
22 66 53 00-0353 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	598.26	27.75
22 66 53 00-0354 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	389.36	24.96
22 66 53 00-0355 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	598.26	27.75
22 66 53 00-0356 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps <small>(22 66 53 00-0229)</small>		
22 66 53 00-0357 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	344.57	24.96
22 66 53 00-0358 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	406.31	27.75
22 66 53 00-0359 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	402.15	24.96
22 66 53 00-0360 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	907.51	27.75
22 66 53 00-0361 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	530.01	27.75
22 66 53 00-0362 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0363 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	133.53	22.22
22 66 53 00-0364 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	178.21	24.96
22 66 53 00-0365 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters <small>(22 66 53 00-0229)</small>		
22 66 53 00-0366 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	63.35	16.65
22 66 53 00-0367 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	127.29	18.05
22 66 53 00-0368 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	86.66	20.81
22 66 53 00-0369 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter <small>(22 66 53 00-0229)</small>		
22 66 53 00-0370 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	125.10	23.68
22 66 53 00-0371 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	137.67	24.96
22 66 53 00-0372 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	154.68	26.34
22 66 53 00-0373 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	165.13	29.05
22 66 53 00-0374 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	154.70	26.38
22 66 53 00-0375 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	163.16	27.75
22 66 53 00-0376 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	175.73	30.42

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0377	EA		3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	203.65	29.13
22 66 53 00-0378	EA		4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	252.50	34.70
22 66 53 00-0379			Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0229)		
22 66 53 00-0380	EA		1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	51.19	
22 66 53 00-0381	EA		2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	59.72	
22 66 53 00-0382	EA		3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	63.98	
22 66 53 00-0383	EA		4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	70.38	
22 66 53 00-0384			Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings (22 66 53 00-0229)		
22 66 53 00-0385	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	368.56	11.11
22 66 53 00-0386	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	138.42	5.53
22 66 53 00-0387	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	262.12	5.53
22 66 53 00-0388			Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates (22 66 53 00-0229)		
22 66 53 00-0389	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	1,307.43	55.51
22 66 53 00-0390	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	1,622.97	58.30
22 66 53 00-0391	EA		Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain.....	1,121.62	5.53
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22 66 83 16-0001			Acid Neutralization Tank (22 66 83 16)		
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22 66 83 16-0003	EA		5 Gallon Capacity Polyethylene Acid Neutralization Tank	259.73	84.72
22 66 83 16-0004	EA		15 Gallon Capacity Polyethylene Acid Neutralization Tank	494.51	117.48
22 66 83 16-0005	EA		30 Gallon Capacity Polyethylene Acid Neutralization Tank	600.20	169.43
22 66 83 16-0006	EA		55 Gallon Capacity Polyethylene Acid Neutralization Tank	765.26	225.91
22 66 83 16-0007	EA		100 Gallon Capacity Polyethylene Acid Neutralization Tank	995.05	271.09
22 66 83 16-0008	EA		150 Gallon Capacity Polyethylene Acid Neutralization Tank	1,382.64	338.86
22 66 83 16-0009	EA		200 Gallon Capacity Polyethylene Acid Neutralization Tank	1,573.88	423.58
22 66 83 16-0010	EA		275 Gallon Capacity Polyethylene Acid Neutralization Tank	2,072.13	508.29
22 66 83 16-0011	EA		350 Gallon Capacity Polyethylene Acid Neutralization Tank	2,329.99	609.95
22 66 83 16-0012			Polypropylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0013	EA		5 Gallon Capacity Polypropylene Acid Neutralization Tank	465.22	84.72
22 66 83 16-0014	EA		15 Gallon Capacity Polypropylene Acid Neutralization Tank	819.87	117.48
22 66 83 16-0015	EA		30 Gallon Capacity Polypropylene Acid Neutralization Tank	1,353.52	169.43
22 66 83 16-0016	EA		55 Gallon Capacity Polypropylene Acid Neutralization Tank	1,782.37	225.91
22 66 83 16-0017	EA		100 Gallon Capacity Polypropylene Acid Neutralization Tank	2,265.45	271.09
22 66 83 16-0018	EA		150 Gallon Capacity Polypropylene Acid Neutralization Tank	2,490.82	338.86
22 66 83 16-0019	EA		200 Gallon Capacity Polypropylene Acid Neutralization Tank	2,677.17	423.58
22 66 83 16-0020	EA		275 Gallon Capacity Polypropylene Acid Neutralization Tank	3,998.61	508.29
22 66 83 16-0021	EA		350 Gallon Capacity Polypropylene Acid Neutralization Tank	4,282.15	609.95
22 66 83 16-0022			Chemical Dilution Trap (22 66 83 16)		
22 66 83 16-0023	EA		1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	260.63	28.24
			Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0024	EA		1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	269.92	28.24
			Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0025	EA		2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	279.22	28.24
			Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0026	EA		5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	302.80	33.88
			Note: 1-1/2" top inlet and side outlet with anti siphon.		

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CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **City of Miami - Department of Capital Improvements**, priced locally using current labor, material and equipment costs, and published in March 2017.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **City of Miami - Department of Capital Improvements**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.



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The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.
- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for

Social Security and Medicare taxes, worker's compensation, unemployment insurance and employee benefits.

- ☑ Labor costs are based on workers familiar with and skilled in the performance of the task following OSHA requirements.

EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the task. Mobilization is included for all equipment except large equipment (e.g. cranes, pile drivers, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs include all applicable sales taxes.

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to

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lift material onto a roof, even if that roof is less than 2 ½ stories, the contractor will be paid for such crane or lifting equipment as a separate task.

- ☑ Unit prices for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) that are required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, flashing, pitch pockets, skylights, curbs, roofing, etc. include sealant and caulking.
- ☑ The cost of testing, calibration, balancing and any other form of testing required to ensure proper installation, construction and performance (e.g. compaction test, slump test, concrete testing, asphalt testing, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing, fire alarm, etc.) is included in the unit cost. The types of testing mentioned above are examples and not intended to be all encompassing to this section.

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900),

dumpsters (See 01741900), and trash chutes (See 01741900).

- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

BUSINESS COSTS:

- ☑ Overhead costs, including, unless specifically excluded in the Contract Documents, but not limited to;
 - home office overhead
 - insurance, bonds, and indemnification
 - project meetings, training, management and supervision
 - mobilization and close-out for the contract and each Job Order
 - project office staff and equipment.
- ☑ Profit.

- ☑ Subcontractor's overhead and profit.
- ☑ Employee or Subcontractor's wage rates that exceed the prevailing wage rates.
- ☑ Fringe benefits, payroll taxes, worker's compensation, insurance costs and any other payment mandated by law in connection with labor that exceeds the labor rate allowances.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

CONSTRUCTION RELATED COSTS:

- ☑ Services required to obtain filings and permits.
- ☑ Preparation and modification of proposals, sketches, drawings, submittals, as-built drawings, CADD drawings, microfilm, and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Office trailer and portable toilets for Contractor's use.
- ☑ Construction vehicles such as pick-up trucks, utility trucks, vans, flat bed trucks, tractors, trailers, etc.
- ☑ Storage devices or items such as gang boxes and containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner security requirements.
- ☑ Excess waste including roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, siding, concrete, etc. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but

excluding modular furniture, wall or ceiling attached or fastened devices or furnishings, safes or other furniture requiring disassembly).

- ☑ Sealing, windows, and openings with plastic to contain construction dust and debris within the work area.
- ☑ Daily clean-up.
- ☑ Final professional project clean-up.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Costs resulting from productivity loss.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as excessive rain, wind, sleet or snow.
- ☑ Differences in project size; complexity and location.
- ☑ All costs for other than discreet items of work specifically required to complete a particular Job Order.
- ☑ Contractor is responsible for warranting all plant material for one year from Final Acceptance by the City. The Contractor's adjustment factor is to include all costs related to watering for plant material for 60 days from the date of planting. If the Contractor feels additional watering is necessary to ensure establishment of plant material, they are entitled to use the appropriate line items from section 32019026 of the CTC for that purpose. The reasonableness of the additional watering line items are subject to review and approval by the City.

PRICE VARIATIONS:

- ☑ Contractors may find differences in labor, equipment and material costs due to certain economic factors. Variations in labor cost can also result from labor efficiency, labor restrictions, working conditions and local work rules. Variations in material costs can also result from the quantity of material purchased, the existing relationship with suppliers, and because the materials have been discontinued or have become obsolete.
- ☑ While diligent effort is made to provide accurate and reliable up-to-date pricing, it is the responsibility of

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the Contractor to review and analyze the unit prices, and to calculate their Adjustment Factors accordingly, prior to bidding.

required to complete the work is considered construction staking or layout and the cost thereof is included in the appropriate task.

GENERAL COSTS:

- ☑ This list is not exhaustive and is intended to provide general examples of cost items to be included in the Contractor's Adjustment Factor as defined in the Contract.
- ☑ The only compensation to be paid to a Contractor for the unit price tasks will be:

Published Unit Price	X	Installation (or Demolition) Quantity	X	Appropriate Adjustment Factor
-------------------------	---	---	---	-------------------------------------
- ☑ No additional payments of any kind whatsoever will be made. All costs not included in the unit prices must be part of the Adjustment Factors.

General Interpretations:

WORKING HEIGHT:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

FIELD ENGINEERING:

- ☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical controls. If the Owner provides horizontal and vertical control points within or adjacent to the project site, any other surveying

ASSEMBLIES:

- ☑ Assembly unit prices take precedence over individual component pricing.

TESTING:

- ☑ Contractor will not be paid for testing new material and equipment installed. The cost of testing is included in the unit costs. However, existing material or equipment, required by the technical specifications and as directed by the Owner (record tests) shall be paid at the unit price for the appropriate task. Contractor is responsible for all Quality Control and Quality Assurance Testing performed. All Quality Control Testing must comply with the latest publication and/or entity having jurisdiction. In addition, Contractor must submit any and all QC/QA test reports to the appropriate Department / Authorized user / and or contracting party for verification.

MISCELLANEOUS:

- ☑ For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- ☑ Whenever there are alternative tasks that may be selected to complete work the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days or painting by roller or spray rather than brush).
- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a

result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.

- ☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.
- ☑ Whenever a material, article or piece of equipment is identified in the CTC or in the specifications by reference to manufacturers' or vendors' names, trade names, catalogue numbers, or make, the identification is intended to establish a standard. Any material, article or equipment of another manufacturer or vendor which performs satisfactorily the duties imposed by the general design may be considered equally acceptable provided that, in the opinion of the Owner, the material, article or equipment so proposed is of equal quality, substance and function. The Contractor shall not provide, furnish or install any proposed material, article or equipment without the prior written approval of the Owner. The burden of proof and all costs related thereto concerning the "or equal" nature of the substitute item, whether approved or disapproved, shall be borne by the Contractor.

SPECIFICATIONS:

- ☑ Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a specification shall be considered part of the unit price, unless the task description or technical specifications state otherwise.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Carton Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM**

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- Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
57 Stone		2400	
Limestone	4380	2690	3220
Lime Rock		2500	
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180
Reinforced Concrete	4050		
Non-Reinforced Concrete	3915		

ASPHALT MATERIAL

Asphalt = 110 Pounds Per Square Yard Inch

BULK FACTORS FOR DEMOLITION:

The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

CONVERSIONS:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

TRADEMARKS

- ☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

STANDARD GEOMETRY:

Circle

- Circumference = $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area = $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume = $(\pi \text{ radius}^2) \text{height}$
- Surface Area = $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{height}$

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

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MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

23 Heating, Ventilating, And Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

23 01 Operation and Maintenance of HVAC Systems (23)

23 01 10 Operation and Maintenance of Facility Fuel Systems (23 01)

23 01 10 91 Facility Fuel Systems Restoration (23 01 10)

23 01 10 91-0001 Purge Gas Systems (23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

Table with columns for UOM, Description, and Unit Cost. Rows include various purge gas system specifications such as 'Up To 100', 'Up To 1-1/2" Diameter Pipe, Purge Gas Systems' with costs ranging from 257.49 to 3,784.86.

23 01 20 Operation and Maintenance of HVAC Piping and Pumps (23 01)

23 01 20 91 HVAC Piping And Pumps Restoration (23 01 20)

23 01 20 91-0001 Lock Out/Tag Out System (23 01 20 91)

Table with columns for UOM, Description, and Unit Cost. Rows include lock out/tag out system specifications such as 'Up To 1", Lock Out/Tag Out Valve' with costs ranging from 11.30 to 2.01.

23 01 20 91-0009 Freeze Pipe Using CO2 Kit (23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

Table with columns for UOM, Description, and Unit Cost. Row includes 'Up To 2" Freeze Pipe Using CO2 Kit' with a cost of 96.76.

23 01 20 91-0011 Freeze Pipe Using Nitrogen (23 01 20 91)

Note: For use on any water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

Table with columns for UOM, Description, and Unit Cost. Rows include freeze pipe using nitrogen specifications such as 'Up To 4" Pipe Freezing Using Nitrogen' with costs ranging from 803.63 to 1,607.25.

23 01 20 91-0014 Water/Chlorine Pipe Disinfection/Flush/Testing (23 01 20 91)

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

Table with columns for UOM, Description, and Unit Cost. Rows include water/chlorine pipe disinfection/flush/testing specifications for various pipe diameters (1" to 12") with costs ranging from 0.79 to 6.11.

23 01 20 91-0023 Shut Down Existing Piping System (23 01 20 91)

Table with columns for UOM, Description, and Unit Cost. Row includes 'Shut Down Existing Interior Piping System' with a cost of 99.68.

23 01 20 91-0025 Purge Liquid Systems (23 01 20 91)

Note: Includes collection and refilling/bleeding of system.

Table with columns for UOM, Description, and Unit Cost. Rows include purge liquid system specifications such as 'Up To 100', 'Up To 1-1/2" Diameter Pipe, Purge Liquid System' with costs ranging from 183.41 to 244.14.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 20 91-0032	EA	>100 To 250', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	348.39
23 01 20 91-0033	EA	>250 To 500', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	414.74
23 01 20 91-0034	EA	>500 To 1,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	440.99
23 01 20 91-0035	EA	>1,000 To 2,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	849.72
23 01 20 91-0036	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System.....	300.99
23 01 20 91-0037	EA	>100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System.....	430.11
23 01 20 91-0038	EA	>250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System.....	1,059.89
23 01 20 91-0039	EA	>1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System.....	1,682.00

23 01 20 91-0040 Add-A-Valve Emergency Shut Off Device (23 01 20 91)

23 01 20 91-0041	EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	205.61
23 01 20 91-0042	EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	259.56
23 01 20 91-0043	EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	362.74
23 01 20 91-0044	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	561.30
23 01 20 91-0045	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	695.06
23 01 20 91-0046	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	1,058.03

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)**23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)****23 01 30 51-0001 Special Cleaning Of Ductwork (23 01 30 51)**

Note: Includes sealing registers, grilles, diffusers as required.

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork	1.38
		<i>For Exhaust Ductwork, Add</i>	0.35
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork	1.72
		<i>For Exhaust Ductwork, Add</i>	0.43
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork	2.33
		<i>For Exhaust Ductwork, Add</i>	0.58
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork	3.30
		<i>For Exhaust Ductwork, Add</i>	0.83
23 01 30 51-0006	SF	Clean Duct Dampers.....	4.59
23 01 30 51-0007	SF	Clean Duct Fire Dampers	9.18
23 01 30 51-0008	SF	Clean Louver.....	3.68
23 01 30 51-0009	EA	Clean Turning Vane Set.....	11.02
23 01 30 51-0010	EA	Clean Grille/Diffuser/Register.....	11.02
		Note: Includes removal and reinstallation.	
23 01 30 51-0011	LF	Clean Linear Diffuser	2.75
		Note: Includes removal and reinstallation.	
23 01 30 51-0012	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	48.85
		<i>For Stainless Steel, Add</i>	48.14
23 01 30 51-0013	EA	Clean Variable Air Volume (VAV) Unit.....	33.05
23 01 30 51-0014	EA	Clean Fan Powered Induction Unit (PIU) Unit.....	44.08
23 01 30 51-0015	EA	Clean Fan Coil Unit (FCU) Unit.....	44.08
23 01 30 51-0016	EA	Clean Supply Or Return Fan.....	88.15
23 01 30 51-0017	EA	Clean Exhaust Fan	77.13
23 01 30 51-0018	EA	Clean Duct Coil.....	66.11
23 01 30 51-0019	SF	Clean Air Handling Unit Interior Housing, HEPA Vacuum.....	2.21
		Note: Excluding fan and coils.	
23 01 30 51-0020	EA	Clean Air Handling Unit Fan	88.15
23 01 30 51-0021	EA	Clean Air Handling Unit Coil	132.23
23 01 30 51-0022	SF	Clean Equipment Surfaces, Rust Reform And Prime.....	1.38
23 01 30 51-0023	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	1.60
23 01 30 51-0024	SF	HEPA Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.25
23 01 30 51-0025	EA	Cleaning Of Ductwork Minimum Set-up Charge	300.75
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
23 01 30 51-0026	SF	Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning	0.17

23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)**23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)****23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)**

23 01 60 71-0002	LB	Recovery Of Refrigerant	4.37
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant.....	8.19
		Note: Includes cleaning refrigerant gas prior to recharging.	

23 05 Common Work Results For HVAC (23)**23 05 13 Common Motor Requirements For HVAC Equipment (23 05)**

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors (23 05 13)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	372.58
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	421.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0006 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	494.62	
23 05 13 00-0007 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	415.41	
23 05 13 00-0008 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	441.28	
23 05 13 00-0009 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	578.67	
23 05 13 00-0010 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	488.15	
23 05 13 00-0011 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	472.80	
23 05 13 00-0012 EA 2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	591.60	
23 05 13 00-0013 EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	494.62	
23 05 13 00-0014 EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	509.97	
23 05 13 00-0015 EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	753.24	
23 05 13 00-0016 EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	539.88	
23 05 13 00-0017 EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	558.47	
23 05 13 00-0018 EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	986.81	
23 05 13 00-0019 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	856.69	
23 05 13 00-0020 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	821.13	
23 05 13 00-0021 EA 7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,183.20	
23 05 13 00-0022 EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	979.54	
23 05 13 00-0023 EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	994.09	
23 05 13 00-0024 EA 10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,539.62	
23 05 13 00-0025 EA 15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,391.72	
23 05 13 00-0026 EA 15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,407.88	
23 05 13 00-0027 EA 15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,076.27	
23 05 13 00-0028 EA 20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,634.99	
23 05 13 00-0029 EA 20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,767.53	
23 05 13 00-0030 EA 20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,527.24	
23 05 13 00-0031 EA 25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,963.12	
23 05 13 00-0032 EA 25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,154.66	
23 05 13 00-0033 EA 25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,052.57	
23 05 13 00-0034 EA 30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,316.30	
23 05 13 00-0035 EA 30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,355.90	
23 05 13 00-0036 EA 30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,184.31	
23 05 13 00-0037 EA 40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,984.68	
23 05 13 00-0038 EA 40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,073.58	
23 05 13 00-0039 EA 50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,250.58	
23 05 13 00-0040 EA 50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,392.02	
23 05 13 00-0041 EA 60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,112.93	
23 05 13 00-0042 EA 60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,270.53	
23 05 13 00-0043 EA 75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,395.54	
23 05 13 00-0044 EA 75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,241.99	
23 05 13 00-0045 EA 100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,767.32	
23 05 13 00-0046 EA 100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,098.68	
23 05 13 00-0047 EA 125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,238.24	
23 05 13 00-0048 EA 150 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,481.51	
23 05 13 00-0049 EA 150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,928.99	
23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)		
23 05 13 00-0051 EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	4,536.43	
23 05 13 00-0052 EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	5,491.72	
23 05 13 00-0053 EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	6,972.34	
23 05 13 00-0054 EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	7,762.76	
23 05 13 00-0055 EA 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	8,544.29	
23 05 13 00-0056 EA 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	9,227.22	
23 05 13 00-0057 EA 150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	8,310.72	
23 05 13 00-0058 EA 150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,867.06	
23 05 13 00-0059 EA 200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,118.66	
23 05 13 00-0060 EA 200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,385.37	
23 05 13 00-0061 EA 200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	14,284.94	
23 05 13 00-0062 Premium Efficient, TEFC Motors (23 05 13 00-0001)		
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0064 EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	435.62	
23 05 13 00-0065 EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	480.07	
23 05 13 00-0066 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	571.40	
23 05 13 00-0067 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	493.81	
23 05 13 00-0068 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	498.66	
23 05 13 00-0069 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	540.69	
23 05 13 00-0070 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	517.25	
23 05 13 00-0071 EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	599.68	
23 05 13 00-0072 EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	571.40	
23 05 13 00-0073 EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	917.31	
23 05 13 00-0074 EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	665.15	
23 05 13 00-0075 EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	625.55	
23 05 13 00-0076 EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,036.11	
23 05 13 00-0077 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	996.51	
23 05 13 00-0078 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	901.95	
23 05 13 00-0079 EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,010.25	
23 05 13 00-0080 EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,018.33	
23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0082 EA 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	621.51	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	695.86	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	656.26	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	644.14	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	828.40	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	690.20	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	674.85	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	841.34	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	745.16	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	766.17	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,048.24	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	917.31	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	766.98	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,216.34	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,061.97	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,023.18	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,734.40	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,244.63	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,147.64	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,980.09	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,715.00	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,569.52	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,641.20	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,882.30	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,903.31	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,516.48	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,456.12	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,489.26	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,978.77	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,918.41	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,953.16	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,596.23	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,000.59	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,861.58	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,727.71	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,376.40	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,220.42	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,921.42	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,147.98	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,072.81	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,401.24	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,152.57	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,100.85	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,783.26	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,818.27	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,917.17	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,557.81	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,782.53	

23 05 13 00-0130 Premium Efficient, Severe Duty Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	645.75	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	709.60	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	783.95	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,101.58	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	734.65	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	723.34	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	917.31	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,370.71	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	768.60	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	754.86	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	929.43	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,728.74	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	909.22	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	955.29	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,341.61	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,875.02	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,118.55	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	972.26	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,359.39	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,984.68	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,459.61	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,224.42	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,945.34	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,413.03	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,554.17	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,466.07	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,527.24	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,981.19	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,988.17	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,867.75	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,897.40	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,314.72	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,319.53	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,003.53	



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists various motor specifications and their costs.

23 05 13 00-0197

Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

Table listing explosion proof motor specifications and costs, including descriptions like '1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame...'.

23 05 13 00-0216

Motor Mounting (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

Table listing motor mounting specifications and costs, including descriptions like '1/2 HP Motor Mounting...'.

23 05 16 Expansion Fittings And Loops For HVAC Piping (23 05)

23 05 16 00-0001

Stainless Steel Bellows Type Expansion Joints (23 05 16)

Note: Includes internal sleeves and external covers.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 16 Expansion Fittings And Loops For HVAC Piping**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0002			Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0003	EA		1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	114.89	44.93
			<i>For 300 LB Rating, Add</i>	6.25	
23 05 16 00-0004	EA		3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	128.65	50.67
			<i>For 300 LB Rating, Add</i>	6.84	
23 05 16 00-0005	EA		1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	151.81	58.09
			<i>For 300 LB Rating, Add</i>	8.92	
23 05 16 00-0006	EA		1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	172.33	64.83
			<i>For 300 LB Rating, Add</i>	10.71	
23 05 16 00-0007	EA		1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	186.90	69.68
			<i>For 300 LB Rating, Add</i>	11.89	
23 05 16 00-0008	EA		2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	213.88	81.99
			<i>For 300 LB Rating, Add</i>	12.48	
23 05 16 00-0009			Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010	EA		1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	628.27	44.92
			<i>For 300 LB Rating, Add</i>	143.12	
23 05 16 00-0011	EA		1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	677.44	53.90
			<i>For 300 LB Rating, Add</i>	152.48	
23 05 16 00-0012	EA		2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	695.57	68.43
			<i>For 300 LB Rating, Add</i>	152.50	
23 05 16 00-0013	EA		2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	748.55	74.44
			<i>For 300 LB Rating, Add</i>	163.80	
23 05 16 00-0014	EA		3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	817.25	87.28
			<i>For 300 LB Rating, Add</i>	177.01	
23 05 16 00-0015	EA		4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	947.06	146.31
			<i>For 300 LB Rating, Add</i>	190.93	
23 05 16 00-0016	EA		5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,317.47	143.25
			<i>For 300 LB Rating, Add</i>	284.67	
23 05 16 00-0017	EA		6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,174.86	159.17
			<i>For 300 LB Rating, Add</i>	243.80	
23 05 16 00-0018	EA		8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,516.67	203.38
			<i>For 300 LB Rating, Add</i>	316.01	
23 05 16 00-0019	EA		10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,944.58	247.59
			<i>For 300 LB Rating, Add</i>	408.78	
23 05 16 00-0020	EA		12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,593.42	187.55
			<i>For 300 LB Rating, Add</i>	554.46	
23 05 16 00-0021	EA		14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,348.52	353.71
			<i>For 300 LB Rating, Add</i>	726.60	
23 05 16 00-0022	EA		16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,437.22	389.07
			<i>For 300 LB Rating, Add</i>	987.72	
23 05 16 00-0023			Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0024	EA		1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	582.97	61.61
			<i>For 300 LB Rating, Add</i>	114.95	
23 05 16 00-0025	EA		1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	614.12	62.12
			<i>For 300 LB Rating, Add</i>	122.47	
23 05 16 00-0026	EA		2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	618.42	64.18
			<i>For 300 LB Rating, Add</i>	122.49	
23 05 16 00-0027	EA		2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	666.37	69.97
			<i>For 300 LB Rating, Add</i>	131.57	
23 05 16 00-0028	EA		3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	734.59	82.29
			<i>For 300 LB Rating, Add</i>	142.46	
23 05 16 00-0029	EA		4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	940.81	163.86
			<i>For 300 LB Rating, Add</i>	153.35	
23 05 16 00-0030	EA		5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,213.32	149.75
			<i>For 300 LB Rating, Add</i>	228.65	
23 05 16 00-0031	EA		6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,114.63	165.80
			<i>For 300 LB Rating, Add</i>	195.82	
23 05 16 00-0032	EA		8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,393.61	189.45
			<i>For 300 LB Rating, Add</i>	253.82	
23 05 16 00-0033	EA		10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,776.60	232.12
			<i>For 300 LB Rating, Add</i>	328.32	
23 05 16 00-0034	EA		12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,344.04	281.37
			<i>For 300 LB Rating, Add</i>	445.34	
23 05 16 00-0035	EA		14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,997.91	286.50
			<i>For 300 LB Rating, Add</i>	606.20	
23 05 16 00-0036	EA		16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,012.59	358.13
			<i>For 300 LB Rating, Add</i>	824.05	
23 05 17			Sleeves and Sleeve Seals for HVAC Piping (23 05)		
23 05 17 00-0001			Wall Seals And Sleeves (23 05 17) Note: Up to 12" walls. Excludes drilling hole.		
23 05 17 00-0002			Ductile Iron Wall Sleeve (23 05 17 00-0001) Note: Includes rubber gasket seal.		
23 05 17 00-0003	EA		3" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	56.95	19.81
23 05 17 00-0004	EA		4" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	72.60	23.14
23 05 17 00-0005	EA		6" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	89.67	27.75
23 05 17 00-0006	EA		8" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	123.46	41.61



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 17 00-0007	EA		10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	155.35	55.47
23 05 17 00-0008	EA		12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	189.84	69.36
23 05 17 00-0009			Steel Pipe Sleeves <small>(23 05 17 00-0001)</small>		
			Note: Includes link seals 12" length.		
23 05 17 00-0010	EA		2" Steel Pipe Sleeve With Link Seals.....	66.89	24.81
23 05 17 00-0011	EA		2-1/2" Steel Pipe Sleeve With Link Seals	82.10	26.90
23 05 17 00-0012	EA		3" Steel Pipe Sleeve With Link Seals.....	96.72	28.98
23 05 17 00-0013	EA		4" Steel Pipe Sleeve With Link Seals.....	118.89	34.77
23 05 17 00-0014	EA		6" Steel Pipe Sleeve With Link Seals.....	170.96	43.42
23 05 17 00-0015	EA		10" Steel Pipe Sleeve With Link Seals.....	333.87	52.13
23 05 17 00-0016	EA		13.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	376.03	65.17
23 05 17 00-0017	EA		17.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	526.78	80.17
23 05 17 00-0018	EA		23.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	723.31	104.26
23 05 17 00-0019	EA		29.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	745.57	130.32
23 05 19			Meters And Gages For HVAC Piping <small>(23 05)</small>		
23 05 19 00-0001			Thermometers <small>(23 05 19)</small>		
23 05 19 00-0002			Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers <small>(23 05 19 00-0001)</small>		
			Note: Various ranges.		
23 05 19 00-0003	EA		2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	63.48	17.84
23 05 19 00-0004	EA		2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	77.18	17.84
23 05 19 00-0005	EA		3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	77.18	17.84
23 05 19 00-0006			Liquid Filled Industrial Union Connection Type Thermometers <small>(23 05 19 00-0001)</small>		
			Note: Various ranges.		
23 05 19 00-0007	EA		7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	90.88	17.84
23 05 19 00-0008	EA		9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	90.88	17.84
23 05 19 00-0009	EA		12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	119.52	17.84
23 05 19 00-0010	EA		7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	94.61	17.84
23 05 19 00-0011	EA		9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	100.84	17.84
23 05 19 00-0012	EA		12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	123.25	17.84
23 05 19 00-0013			Liquid Filled Industrial Separable Socket Type Thermometers <small>(23 05 19 00-0001)</small>		
			Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014	EA		7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	90.88	17.84
23 05 19 00-0015	EA		9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	90.88	17.84
23 05 19 00-0016	EA		12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	119.52	17.84
23 05 19 00-0017	EA		7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	107.06	17.84
23 05 19 00-0018	EA		9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	119.52	17.84
23 05 19 00-0019	EA		12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	122.69	17.84
23 05 19 00-0020			1" NPT, 304 Stainless Steel Thermowells <small>(23 05 19 00-0001)</small>		
23 05 19 00-0021	EA		4" Long, 1" NPT, 304 Stainless Steel Thermowell	109.88	33.45
23 05 19 00-0022	EA		8" Long, 1" NPT, 304 Stainless Steel Thermowell	109.82	33.45
23 05 19 00-0023			Pressure Gauges <small>(23 05 19)</small>		
23 05 19 00-0024			Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0025	EA		2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	21.91	6.97
23 05 19 00-0026	EA		4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	29.26	6.97
23 05 19 00-0027			Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0028	EA		3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	91.47	6.97
23 05 19 00-0029	EA		4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	91.47	6.97
23 05 19 00-0030	EA		6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	117.80	6.97
23 05 19 00-0031	EA		8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	272.85	6.97
23 05 19 00-0032			Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
			Note: Liquid filled.		
23 05 19 00-0033	EA		2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	78.30	6.97
23 05 19 00-0034	EA		4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	181.22	6.97
23 05 19 00-0035			Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0036	EA		4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	236.83	6.97
23 05 19 00-0037	EA		6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	236.83	6.97
23 05 19 00-0038	EA		8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	236.83	6.97
23 05 19 00-0039			Gauge Accessories <small>(23 05 19 00-0023)</small>		
23 05 19 00-0040	EA		Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	40.43	5.58
23 05 19 00-0041	EA		1/4" Snubber Valve.....	25.60	5.58
23 05 19 00-0042	EA		1/4" Female Pipe Thread, Brass Gauge Cock.....	16.23	8.36

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 19 Meters And Gages For HVAC Piping**

City of Miami

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0043 EA 1/4" Male Pipe Thread, Brass Gauge Cock	14.16	8.36
23 05 19 00-0044 EA 1/4" Pressure Pigtail Steam Siphon	15.79	8.36
23 05 19 00-0045 EA 1/4" x 3" Long Black Steel Nipple.....	3.40	2.79
23 05 19 00-0046 EA 1/4" Steel Thread-O-Let.....	38.39	13.94
23 05 19 00-0047 EA 1/4", 300 LB, Black Steel Union.....	29.62	5.58
23 05 19 00-0048 EA 1/4", Black Steel Coupling.....	11.83	5.58
23 05 19 00-0049 EA 1/4", 300 LB, Black Steel Plug	6.85	3.34
23 05 19 00-0050 EA 1/4", 150 LB, Black Steel Cap.....	7.07	3.34
23 05 19 00-0051 LF 1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	3.90	
23 05 19 00-0052 LF 1/4" Schedule 80, Plain End, Black Steel Pipe	3.84	
23 05 19 00-0053 LF 1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	3.82	
23 05 19 00-0054 EA 1/4" Threaded, 800 LB, Forged Steel, Ball Valve.....	49.29	
23 05 19 00-0055 Valve Lock Covers (23 05 19)		
23 05 19 00-0056 EA Valve Lock Cover.....	46.24	8.53
23 05 19 00-0057 Venturi Flowmeters (23 05 19)		
23 05 19 00-0058 Threaded, Brass, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0059 EA 3/4" Threaded, Brass, Venturi Flowmeter	133.29	37.90
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0060 EA 1" Threaded, Brass, Venturi Flowmeter	147.77	45.48
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0061 EA 1-1/4" Threaded, Brass, Venturi Flowmeter	163.04	50.56
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0062 EA 1-1/2" Threaded, Brass, Venturi Flowmeter	183.74	56.85
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0063 EA 2" Threaded, Brass, Venturi Flowmeter	218.32	65.00
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0064 EA 2-1/2" Threaded, Brass, Venturi Flowmeter	290.69	82.89
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0065 Butt Weld, Carbon Steel, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0066 EA 3/4" Butt Weld, Carbon Steel, Venturi Flowmeter	544.46	78.19
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	135.82	
23 05 19 00-0067 EA 4" Butt Weld, Carbon Steel, Venturi Flowmeter	743.89	93.83
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	194.68	
23 05 19 00-0068 EA 5" Butt Weld, Carbon Steel, Venturi Flowmeter	971.91	117.29
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	258.07	
23 05 19 00-0069 EA 6" Butt Weld, Carbon Steel, Venturi Flowmeter	1,166.53	156.39
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	298.81	
23 05 19 00-0070 EA 8" Butt Weld, Carbon Steel, Venturi Flowmeter	1,681.81	187.66
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	457.27	
23 05 19 00-0071 EA 10" Butt Weld, Carbon Steel, Venturi Flowmeter	2,707.01	234.58
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	783.25	
23 05 19 00-0072 EA 12" Butt Weld, Carbon Steel, Venturi Flowmeter	4,004.67	307.77
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	1,186.19	
23 05 19 00-0073 EA 14" Butt Weld, Carbon Steel, Venturi Flowmeter	5,631.86	461.66
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	1,647.99	
23 05 19 00-0074 EA 16" Butt Weld, Carbon Steel, Venturi Flowmeter	8,334.50	512.96
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	2,558.01	
23 05 19 00-0075 Turbine Flowmeter (23 05 19)		
23 05 19 00-0076 EA Saddle Mount Turbine Flowmeter.....	376.95	41.81
23 05 19 00-0077 Sight Flow Indicator (23 05 19)		
23 05 19 00-0078 Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0077)		
23 05 19 00-0079 EA 1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	89.04	6.58
23 05 19 00-0080 EA 3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	92.95	6.92
23 05 19 00-0081 EA 1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	100.75	7.28
23 05 19 00-0082 EA 3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	110.96	9.81
23 05 19 00-0083 EA 1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	132.46	11.88
23 05 19 00-0084 EA 1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	148.45	15.04
23 05 19 00-0085 EA 1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	214.80	17.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0086 EA 2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	236.57	20.56
23 05 19 00-0087 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0077)		
23 05 19 00-0088 EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	117.98	6.58
23 05 19 00-0089 EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	121.24	6.92
23 05 19 00-0090 EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	130.97	7.28
23 05 19 00-0091 EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	136.69	9.81
23 05 19 00-0092 EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	143.39	11.88
23 05 19 00-0093 EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	152.95	15.04
23 05 19 00-0094 EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	302.26	17.39
23 05 19 00-0095 EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	321.45	20.56
23 05 19 00-0096 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (23 05 19 00-0077)		
23 05 19 00-0097 EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	173.92	6.58
23 05 19 00-0098 EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	183.62	6.92
23 05 19 00-0099 EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	199.78	7.28
23 05 19 00-0100 EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	215.14	9.81
23 05 19 00-0101 EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	246.28	11.88
23 05 19 00-0102 EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	257.77	15.04
23 05 19 00-0103 EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	533.76	17.39
23 05 19 00-0104 EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	559.38	20.56
23 05 19 00-0105 Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0106 EA 1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	116.05	6.58
23 05 19 00-0107 EA 3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	120.60	6.92
23 05 19 00-0108 EA 1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	127.76	7.28
23 05 19 00-0109 EA 3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	136.04	9.81
23 05 19 00-0110 EA 1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	142.74	11.88
23 05 19 00-0111 EA 1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	152.95	15.04
23 05 19 00-0112 EA 1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	298.40	17.39
23 05 19 00-0113 EA 2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	316.31	20.56
23 05 19 00-0114 Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0115 EA 1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	172.64	6.58
23 05 19 00-0116 EA 3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	186.19	6.92
23 05 19 00-0117 EA 1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	203.64	7.28
23 05 19 00-0118 EA 3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	215.14	9.81
23 05 19 00-0119 EA 1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	246.28	11.88
23 05 19 00-0120 EA 1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	260.34	15.04
23 05 19 00-0121 EA 1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	533.76	17.39
23 05 19 00-0122 EA 2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	559.38	20.56
23 05 19 00-0123 Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0124 EA 1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	251.42	11.88
23 05 19 00-0125 EA 1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	280.92	15.04
23 05 19 00-0126 EA 1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	318.98	17.39
23 05 19 00-0127 EA 2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	357.46	20.56
23 05 19 00-0128 Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0129 EA 1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	549.78	47.44
23 05 19 00-0130 EA 2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	609.35	60.23
23 05 19 00-0131 EA 3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	909.38	70.74
23 05 19 00-0132 EA 4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	1,364.30	118.59
23 05 19 00-0133 EA 6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	2,228.95	134.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 19 Meters And Gages For HVAC Piping



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 19 00-0134		Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0135	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	423.32	33.88
23 05 19 00-0136	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	500.53	39.53
23 05 19 00-0137	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	536.59	47.44
23 05 19 00-0138	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	672.05	60.23
23 05 19 00-0139	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	986.23	70.74
23 05 19 00-0140	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,447.57	118.59

23 05 19 00-0141		Water Flow Switches <small>(23 05 19)</small>		
23 05 19 00-0142	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1).....	154.92	16.43
23 05 19 00-0143	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	160.81	16.43
23 05 19 00-0144	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	210.54	16.43
23 05 19 00-0145	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1).....	218.07	16.43
23 05 19 00-0146	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1).....	168.34	16.43
23 05 19 00-0147	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1).....	175.21	16.43
23 05 19 00-0148	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	223.96	16.43
23 05 19 00-0149	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	230.83	16.43
23 05 19 00-0150	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	451.98	16.43
23 05 19 00-0151	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1).....	458.64	16.43
23 05 19 00-0152	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1).....	521.85	16.43
23 05 19 00-0153	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	531.00	16.43
23 05 19 00-0154	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	467.79	16.43
23 05 19 00-0155	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	476.94	16.43
23 05 19 00-0156	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	537.66	16.43
23 05 19 00-0157	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1).....	547.64	16.43

23 05 23 General-Duty Valves For HVAC Piping (23 05 23)

23 05 23 00-0001		Gate Valves <small>(23 05 23)</small>		
23 05 23 00-0002		125 LB Threaded, Brazed Or Soldered Bronze Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure. Class 125 (threaded).				
23 05 23 00-0003	EA	1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	25.57	4.51
		<i>For 150 LB Rating, Add</i>	1.24	
		<i>For 200 LB Rating, Add</i>	1.86	
		<i>For 250 LB Rating, Add</i>	3.10	
		<i>For 300 LB Rating, Add</i>	4.34	
		<i>For Work In Restricted Working Space, Add</i>	3.95	
23 05 23 00-0004	EA	3/8" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	26.26	4.51
		<i>For 150 LB Rating, Add</i>	1.24	
		<i>For 200 LB Rating, Add</i>	1.86	
		<i>For 250 LB Rating, Add</i>	3.10	
		<i>For 300 LB Rating, Add</i>	4.34	
		<i>For Work In Restricted Working Space, Add</i>	4.16	
23 05 23 00-0005	EA	1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	26.99	4.51
		<i>For 150 LB Rating, Add</i>	1.24	
		<i>For 200 LB Rating, Add</i>	1.86	
		<i>For 250 LB Rating, Add</i>	3.10	
		<i>For 300 LB Rating, Add</i>	4.34	
		<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 23 00-0006	EA	3/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	34.46	4.97
		<i>For 150 LB Rating, Add</i>	1.48	
		<i>For 200 LB Rating, Add</i>	2.22	
		<i>For 250 LB Rating, Add</i>	3.70	
		<i>For 300 LB Rating, Add</i>	5.18	
		<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 23 00-0007	EA	1" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	46.15	5.65
		<i>For 150 LB Rating, Add</i>	2.24	
		<i>For 200 LB Rating, Add</i>	3.36	
		<i>For 250 LB Rating, Add</i>	5.59	
		<i>For 300 LB Rating, Add</i>	7.83	
		<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 23 00-0008	EA	1-1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	60.30	6.01
		<i>For 150 LB Rating, Add</i>	3.02	
		<i>For 200 LB Rating, Add</i>	4.53	
		<i>For 250 LB Rating, Add</i>	7.54	
		<i>For 300 LB Rating, Add</i>	10.56	
		<i>For Work In Restricted Working Space, Add</i>	9.04	
23 05 23 00-0009	EA	1-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	72.76	6.95
		<i>For 150 LB Rating, Add</i>	3.80	
		<i>For 200 LB Rating, Add</i>	5.70	
		<i>For 250 LB Rating, Add</i>	9.50	
		<i>For 300 LB Rating, Add</i>	13.30	
		<i>For Work In Restricted Working Space, Add</i>	10.43	
23 05 23 00-0010	EA	2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	93.02	8.22
		<i>For 150 LB Rating, Add</i>	5.19	
		<i>For 200 LB Rating, Add</i>	7.79	
		<i>For 250 LB Rating, Add</i>	12.99	
		<i>For 300 LB Rating, Add</i>	18.18	
		<i>For Work In Restricted Working Space, Add</i>	12.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0011	EA		2-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	203.61 14.81 22.22 37.03 51.85 66.66 16.64	11.11
23 05 23 00-0012	EA		3" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	241.09 17.71 26.56 44.27 61.97 79.68 19.21	12.90
23 05 23 00-0013	EA		4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	494.65 42.18 63.27 105.46 147.64 189.82 21.85	14.56
23 05 23 00-0014			Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small> Note: 125 psi steam, basic rating, 200 psi cold working pressure.		
23 05 23 00-0015	EA		1-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	67.19 6.49 11.35 11.35 10.43	6.95
23 05 23 00-0016	EA		2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	164.97 24.78 43.36 43.36 12.32	8.22
23 05 23 00-0017	EA		2-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	241.81 37.27 65.22 65.22 16.64	11.11
23 05 23 00-0018	EA		3" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	308.49 48.89 85.56 85.56 19.21	12.90
23 05 23 00-0019	EA		4" 125 LB Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve For 150 LB Rating, Add For 250 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	730.91 131.62 230.33 230.33 21.85	14.56
23 05 23 00-0020			Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small> Note: 125 psi steam, basic rating, 200 psi cold working pressure.		
23 05 23 00-0021	EA		1-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve..... For 150 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, ASTM A182, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	231.36 49.85 85.96 201.64 85.96 17.84	47.44
23 05 23 00-0022	EA		2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve For 150 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, ASTM A182, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	255.09 52.14 89.90 217.44 89.90 22.59	60.23
23 05 23 00-0023	EA		2-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve..... For 150 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, ASTM A182, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	291.37 62.56 107.86 253.55 107.86 22.70	60.33
23 05 23 00-0024	EA		3" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve For 150 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, ASTM A182, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	358.16 78.19 134.82 313.90 134.82 26.56	70.74
23 05 23 00-0025	EA		4" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve For 150 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, ASTM A182, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	508.14 104.26 179.77 433.84 179.77 44.58	118.59

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0026	EA		5" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....618.03	618.03	120.74
			<i>For 150 LB Rating, Add</i>	135.53	
			<i>For 250 LB Rating, Add</i>	233.67	
			<i>For 300 LB Rating, ASTM A182, Add</i>	542.69	
			<i>For Chain Operated Type, Add</i>	233.67	
			<i>For Work In Restricted Working Space, Add</i>	45.21	
23 05 23 00-0027	EA		6" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....743.42	743.42	134.15
			<i>For 150 LB Rating, Add</i>	166.78	
			<i>For 250 LB Rating, Add</i>	287.56	
			<i>For 300 LB Rating, ASTM A182, Add</i>	659.27	
			<i>For Chain Operated Type, Add</i>	287.56	
			<i>For Work In Restricted Working Space, Add</i>	50.49	
23 05 23 00-0028	EA		8" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....1,165.64	1,165.64	171.42
			<i>For 150 LB Rating, Add</i>	276.28	
			<i>For 250 LB Rating, Add</i>	476.35	
			<i>For 300 LB Rating, ASTM A182, Add</i>	1,059.17	
			<i>For Chain Operated Type, Add</i>	476.35	
			<i>For Work In Restricted Working Space, Add</i>	63.88	
23 05 23 00-0029	EA		10" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....1,519.04	1,519.04	208.69
			<i>For 150 LB Rating, Add</i>	364.88	
			<i>For 250 LB Rating, Add</i>	629.10	
			<i>For 300 LB Rating, ASTM A182, Add</i>	1,388.62	
			<i>For Chain Operated Type, Add</i>	629.10	
			<i>For Work In Restricted Working Space, Add</i>	78.26	
23 05 23 00-0030	EA		12" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....2,113.70	2,113.70	253.41
			<i>For 150 LB Rating, Add</i>	521.28	
			<i>For 250 LB Rating, Add</i>	898.76	
			<i>For 300 LB Rating, ASTM A182, Add</i>	1,955.61	
			<i>For Chain Operated Type, Add</i>	898.76	
			<i>For Work In Restricted Working Space, Add</i>	94.86	
23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>					
Note: 125 psi steam, basic rating. 200 psi cold working pressure.					
23 05 23 00-0032	EA		1-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....214.47	214.47	6.95
			<i>For 175 LB Rating, Add</i>	89.86	
			<i>For 250 LB Rating, Add</i>	134.79	
			<i>For Work In Restricted Working Space, Add</i>	10.43	
23 05 23 00-0033	EA		2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....273.41	273.41	8.22
			<i>For 175 LB Rating, Add</i>	116.17	
			<i>For 250 LB Rating, Add</i>	174.25	
			<i>For Work In Restricted Working Space, Add</i>	12.32	
23 05 23 00-0034	EA		2-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....317.46	317.46	11.11
			<i>For 175 LB Rating, Add</i>	130.99	
			<i>For 250 LB Rating, Add</i>	196.49	
			<i>For Work In Restricted Working Space, Add</i>	16.64	
23 05 23 00-0035	EA		3" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....353.09	353.09	12.90
			<i>For 175 LB Rating, Add</i>	144.54	
			<i>For 250 LB Rating, Add</i>	216.80	
			<i>For Work In Restricted Working Space, Add</i>	19.21	
23 05 23 00-0036	EA		4" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....471.99	471.99	14.56
			<i>For 175 LB Rating, Add</i>	199.59	
			<i>For 250 LB Rating, Add</i>	299.38	
			<i>For Work In Restricted Working Space, Add</i>	21.85	
23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>					
Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".					
23 05 23 00-0038	EA		1-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....307.27	307.27	47.44
			<i>For 150 LB Rating, Add</i>	37.17	
			<i>For 175 LB Rating, Add</i>	76.82	
			<i>For 250 LB Rating, Add</i>	161.08	
			<i>For Chain Operated Type, Add</i>	123.91	
			<i>For Work In Restricted Working Space, Add</i>	17.84	
23 05 23 00-0039	EA		2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....330.48	330.48	60.23
			<i>For 150 LB Rating, Add</i>	38.28	
			<i>For 175 LB Rating, Add</i>	79.11	
			<i>For 250 LB Rating, Add</i>	165.87	
			<i>For Chain Operated Type, Add</i>	127.59	
			<i>For Work In Restricted Working Space, Add</i>	22.59	
23 05 23 00-0040	EA		2-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....339.16	339.16	60.33
			<i>For 150 LB Rating, Add</i>	39.53	
			<i>For 175 LB Rating, Add</i>	81.69	
			<i>For 250 LB Rating, Add</i>	171.28	
			<i>For Chain Operated Type, Add</i>	131.76	
			<i>For Work In Restricted Working Space, Add</i>	22.70	
23 05 23 00-0041	EA		3" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....378.46	378.46	70.74
			<i>For 150 LB Rating, Add</i>	43.49	
			<i>For 175 LB Rating, Add</i>	89.88	
			<i>For 250 LB Rating, Add</i>	188.45	
			<i>For Chain Operated Type, Add</i>	144.97	
			<i>For Work In Restricted Working Space, Add</i>	26.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0042	EA		4" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	500.22	118.59
			For 150 LB Rating, Add	52.74	
			For 175 LB Rating, Add	109.00	
			For 250 LB Rating, Add	228.55	
			For Chain Operated Type, Add	175.81	
			For Work In Restricted Working Space, Add	44.58	
23 05 23 00-0043	EA		5" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	641.27	120.74
			For 150 LB Rating, Add	73.59	
			For 175 LB Rating, Add	152.08	
			For 250 LB Rating, Add	318.88	
			For Chain Operated Type, Add	245.29	
			For Work In Restricted Working Space, Add	45.21	
23 05 23 00-0044	EA		6" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	728.56	134.15
			For 150 LB Rating, Add	84.04	
			For 175 LB Rating, Add	173.68	
			For 250 LB Rating, Add	364.17	
			For Chain Operated Type, Add	280.13	
			For Work In Restricted Working Space, Add	50.49	
23 05 23 00-0045	EA		8" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,160.49	171.42
			For 150 LB Rating, Add	142.13	
			For 175 LB Rating, Add	293.74	
			For 250 LB Rating, Add	615.91	
			For Chain Operated Type, Add	473.78	
			For Work In Restricted Working Space, Add	63.88	
23 05 23 00-0046	EA		10" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,719.13	208.69
			For 150 LB Rating, Add	218.74	
			For 175 LB Rating, Add	452.07	
			For 250 LB Rating, Add	947.88	
			For Chain Operated Type, Add	729.14	
			For Work In Restricted Working Space, Add	78.26	
23 05 23 00-0047	EA		12" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,164.43	253.41
			For 150 LB Rating, Add	277.24	
			For 175 LB Rating, Add	572.95	
			For 250 LB Rating, Add	1,201.36	
			For Chain Operated Type, Add	924.12	
			For Work In Restricted Working Space, Add	94.86	
23 05 23 00-0048	EA		14" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	4,369.81	342.76
			For 150 LB Rating, Add	591.20	
			For 175 LB Rating, Add	1,221.82	
			For 250 LB Rating, Add	2,561.88	
			For Work In Restricted Working Space, Add	128.54	
23 05 23 00-0049	EA		16" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	5,713.70	377.03
			For 150 LB Rating, Add	786.36	
			For 175 LB Rating, Add	1,625.15	
			For 250 LB Rating, Add	3,407.57	
			For Work In Restricted Working Space, Add	141.39	
23 05 23 00-0050	EA		18" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	7,862.17	418.17
			For 150 LB Rating, Add	1,100.92	
			For 175 LB Rating, Add	2,275.23	
			For 250 LB Rating, Add	4,770.65	
			For Work In Restricted Working Space, Add	156.81	
23 05 23 00-0051	EA		20" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	10,024.13	471.29
			For 150 LB Rating, Add	1,415.25	
			For 175 LB Rating, Add	2,924.85	
			For 250 LB Rating, Add	6,132.76	
			For Work In Restricted Working Space, Add	176.74	
23 05 23 00-0052	EA		24" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	13,738.81	578.41
			For 150 LB Rating, Add	1,952.37	
			For 175 LB Rating, Add	4,034.90	
			For 250 LB Rating, Add	8,460.27	
			For Work In Restricted Working Space, Add	216.90	
23 05 23 00-0053	EA		30" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	28,836.82	942.59
			For 150 LB Rating, Add	4,148.79	
			For 175 LB Rating, Add	8,574.16	
			For 250 LB Rating, Add	17,978.08	
			For Work In Restricted Working Space, Add	353.47	
23 05 23 00-0054	EA		36" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	36,713.64	1,256.79
			For 150 LB Rating, Add	5,271.40	
			For 175 LB Rating, Add	10,894.22	
			For 250 LB Rating, Add	22,842.73	
			For Work In Restricted Working Space, Add	471.29	
23 05 23 00-0055	EA		42" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	43,356.24	1,885.18
			For 150 LB Rating, Add	6,148.97	
			For 175 LB Rating, Add	12,709.93	
			For 250 LB Rating, Add	26,649.85	
			For Work In Restricted Working Space, Add	706.94	
23 05 23 00-0056	EA		48" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	52,116.39	2,356.47
			For 150 LB Rating, Add	7,375.62	
			For 175 LB Rating, Add	15,242.95	
			For 250 LB Rating, Add	31,961.02	
			For Work In Restricted Working Space, Add	883.68	
23 05 23 00-0057	EA		54" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	62,539.67	2,827.77
			For 150 LB Rating, Add	8,850.74	
			For 175 LB Rating, Add	18,291.54	
			For 250 LB Rating, Add	38,353.22	
			For Work In Restricted Working Space, Add	1,060.41	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0058	Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves (23 05 23 00-0001) Note: 800 psig at 850 degrees F.		
23 05 23 00-0059	EA 1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	64.67	7.28
	<i>For Work In Restricted Working Space, Add</i>	3.95	
23 05 23 00-0060	EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	66.09	7.28
	<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 23 00-0061	EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	78.07	9.81
	<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 23 00-0062	EA 1" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	94.76	11.88
	<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 23 00-0063	EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	144.65	15.04
	<i>For Work In Restricted Working Space, Add</i>	9.04	
23 05 23 00-0064	EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	171.05	17.39
	<i>For Work In Restricted Working Space, Add</i>	10.43	
23 05 23 00-0065	EA 2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	215.07	20.56
	<i>For Work In Restricted Working Space, Add</i>	12.32	
23 05 23 00-0066	Ball Valves (23 05 23) See CSI section 23 23 13 00-0000 for refrigeration valves.		
23 05 23 00-0067	Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0066) Note: 125 LB WSP.		
23 05 23 00-0068	EA 1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	20.34	4.51
	<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
	<i>For Full Port, Add</i>	2.59	
	<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 23 00-0069	EA 3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	28.50	4.97
	<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
	<i>For Full Port, Add</i>	3.98	
	<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 23 00-0070	EA 1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	35.73	5.65
	<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
	<i>For Full Port, Add</i>	5.38	
	<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 23 00-0071	EA 1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	50.20	6.01
	<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
	<i>For Full Port, Add</i>	9.03	
	<i>For Work In Restricted Working Space, Add</i>	9.04	
23 05 23 00-0072	EA 1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	60.37	6.95
	<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
	<i>For Full Port, Add</i>	11.53	
	<i>For Work In Restricted Working Space, Add</i>	10.43	
23 05 23 00-0073	EA 2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	73.18	8.22
	<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
	<i>For Full Port, Add</i>	14.45	
	<i>For Work In Restricted Working Space, Add</i>	12.32	
23 05 23 00-0074	EA 2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	206.96	11.11
	<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
	<i>For Full Port, Add</i>	68.17	
	<i>For Work In Restricted Working Space, Add</i>	16.64	
23 05 23 00-0075	EA 3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	238.80	12.90
	<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
	<i>For Full Port, Add</i>	78.65	
	<i>For Work In Restricted Working Space, Add</i>	19.21	
23 05 23 00-0076	EA 4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	311.11	14.56
	<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
	<i>For Full Port, Add</i>	107.23	
	<i>For Work In Restricted Working Space, Add</i>	21.85	
23 05 23 00-0077	Screwed, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0066)		
23 05 23 00-0078	EA 1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	24.18	4.51
	<i>For Work In Restricted Working Space, Add</i>	3.95	
23 05 23 00-0079	EA 1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	26.54	4.51
	<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 23 00-0080	EA 3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	36.94	4.97
	<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 23 00-0081	EA 1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	47.04	5.65
	<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 23 00-0082	EA 1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	69.88	6.01
	<i>For Work In Restricted Working Space, Add</i>	9.04	
23 05 23 00-0083	EA 1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	85.10	6.95
	<i>For Work In Restricted Working Space, Add</i>	10.43	
23 05 23 00-0084	EA 2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	110.41	8.22
	<i>For Work In Restricted Working Space, Add</i>	12.32	
23 05 23 00-0085	Flanged, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0066)		
23 05 23 00-0086	EA 4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	802.79	118.59
	<i>For Work In Restricted Working Space, Add</i>	44.58	
23 05 23 00-0087	EA 6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	1,372.74	134.15
	<i>For Work In Restricted Working Space, Add</i>	50.49	
23 05 23 00-0088	EA 8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	3,047.95	171.42
	<i>For Work In Restricted Working Space, Add</i>	63.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0089 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0066)		
23 05 23 00-0090 EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	17.85	4.51
For True Union Socket Or Thread Type, Add	2.07	
For Work In Restricted Working Space, Add	4.37	
23 05 23 00-0091 EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	23.41	4.97
For True Union Socket Or Thread Type, Add	2.54	
For Work In Restricted Working Space, Add	5.90	
23 05 23 00-0092 EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	29.02	5.65
For True Union Socket Or Thread Type, Add	3.34	
For Work In Restricted Working Space, Add	7.13	
23 05 23 00-0093 EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	37.01	6.01
For True Union Socket Or Thread Type, Add	4.33	
For Work In Restricted Working Space, Add	9.04	
23 05 23 00-0094 EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	46.72	6.95
For True Union Socket Or Thread Type, Add	6.61	
For Work In Restricted Working Space, Add	10.43	
23 05 23 00-0095 EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	56.33	8.22
For True Union Socket Or Thread Type, Add	8.26	
For Work In Restricted Working Space, Add	12.32	
23 05 23 00-0096 EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	88.30	11.11
For True Union Socket Or Thread Type, Add	16.04	
For Work In Restricted Working Space, Add	16.64	
23 05 23 00-0097 EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	119.82	12.90
For True Union Socket Or Thread Type, Add	25.68	
For Work In Restricted Working Space, Add	19.21	
23 05 23 00-0098 EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	179.51	14.56
For True Union Socket Or Thread Type, Add	46.50	
For Work In Restricted Working Space, Add	21.85	
23 05 23 00-0099 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0066)		
23 05 23 00-0100 EA 1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	37.05	6.78
For Full Port, Add	7.79	
For Work In Restricted Working Space, Add	5.92	
23 05 23 00-0101 EA 3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	38.08	6.78
For Full Port, Add	7.79	
For Work In Restricted Working Space, Add	6.23	
23 05 23 00-0102 EA 1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	39.18	6.78
For Full Port, Add	7.79	
For Work In Restricted Working Space, Add	6.56	
23 05 23 00-0103 EA 3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	47.82	7.45
For Full Port, Add	8.26	
For Work In Restricted Working Space, Add	8.84	
23 05 23 00-0104 EA 1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	62.86	8.47
For Full Port, Add	12.24	
For Work In Restricted Working Space, Add	10.70	
23 05 23 00-0105 EA 1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	82.39	9.01
For Full Port, Add	16.74	
For Work In Restricted Working Space, Add	13.55	
23 05 23 00-0106 EA 1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	101.61	10.44
For Full Port, Add	22.27	
For Work In Restricted Working Space, Add	15.64	
23 05 23 00-0107 EA 2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	142.14	12.33
For Full Port, Add	36.24	
For Work In Restricted Working Space, Add	18.48	
23 05 23 00-0108 EA 2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	278.64	16.67
For Full Port, Add	87.94	
For Work In Restricted Working Space, Add	24.97	
23 05 23 00-0109 EA 3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	406.34	19.35
For Full Port, Add	139.64	
For Work In Restricted Working Space, Add	28.81	
23 05 23 00-0110 Globe Valves (23 05 23)		
23 05 23 00-0111 Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves (23 05 23 00-0110)		
23 05 23 00-0112 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	28.71	4.51
For 150 LB Rating, Add	4.38	
For 200 LB Rating, Add	5.37	
For 250 LB Rating, Add	6.36	
For 300 LB Rating, Add	7.77	
For Work In Restricted Working Space, Add	4.37	
23 05 23 00-0113 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	27.29	4.51
For 150 LB Rating, Add	4.38	
For 200 LB Rating, Add	5.37	
For 250 LB Rating, Add	6.36	
For 300 LB Rating, Add	7.77	
For Work In Restricted Working Space, Add	3.95	
23 05 23 00-0114 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	34.94	4.51
For 150 LB Rating, Add	6.54	
For 200 LB Rating, Add	8.01	
For 250 LB Rating, Add	9.49	
For 300 LB Rating, Add	11.60	
For Work In Restricted Working Space, Add	4.16	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 23 00-0115	EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	35.67	4.51
	For 150 LB Rating, Add	6.54	
	For 200 LB Rating, Add	8.01	
	For 250 LB Rating, Add	9.49	
	For 300 LB Rating, Add	11.60	
	For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	29.03	
	For Work In Restricted Working Space, Add	4.37	
23 05 23 00-0116	EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	42.51	4.75
	For 150 LB Rating, Add	7.09	
	For 200 LB Rating, Add	8.69	
	For 250 LB Rating, Add	10.29	
	For 300 LB Rating, Add	12.57	
	For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	33.01	
	For Work In Restricted Working Space, Add	5.90	
23 05 23 00-0117	EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	54.68	4.75
	For 150 LB Rating, Add	9.58	
	For 200 LB Rating, Add	11.74	
	For 250 LB Rating, Add	13.91	
	For 300 LB Rating, Add	17.00	
	For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	43.50	
	For Work In Restricted Working Space, Add	7.13	
23 05 23 00-0118	EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	83.50	6.01
	For 150 LB Rating, Add	16.54	
	For 200 LB Rating, Add	20.28	
	For 250 LB Rating, Add	24.02	
	For 300 LB Rating, Add	29.35	
	For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	70.76	
	For Work In Restricted Working Space, Add	9.04	
23 05 23 00-0119	EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	111.02	6.95
	For 150 LB Rating, Add	23.64	
	For 200 LB Rating, Add	28.98	
	For 250 LB Rating, Add	34.32	
	For 300 LB Rating, Add	41.95	
	For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	97.80	
	For Work In Restricted Working Space, Add	10.43	
23 05 23 00-0120	EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	130.75	8.22
	For 150 LB Rating, Add	27.80	
	For 200 LB Rating, Add	34.07	
	For 250 LB Rating, Add	40.35	
	For 300 LB Rating, Add	49.32	
	For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	115.07	
	For Work In Restricted Working Space, Add	12.32	
23 05 23 00-0121	EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	145.88	11.11
	For 150 LB Rating, Add	28.02	
	For 200 LB Rating, Add	34.35	
	For 250 LB Rating, Add	40.68	
	For 300 LB Rating, Add	49.72	
	For Work In Restricted Working Space, Add	16.64	
23 05 23 00-0122	EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB	266.56	12.90
	For 150 LB Rating, Add	62.79	
	For 200 LB Rating, Add	76.97	
	For 250 LB Rating, Add	91.14	
	For 300 LB Rating, Add	111.40	
	For Work In Restricted Working Space, Add	19.21	
23 05 23 00-0123	Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0110)		
23 05 23 00-0124	EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	198.62	8.22
	For 150 LB Rating, Add	48.84	
	For 200 LB Rating, Add	59.87	
	For 250 LB Rating, Add	70.89	
	For 300 LB Rating, Add	86.65	
	For Chain Operated Type, Add	131.55	
	For Work In Restricted Working Space, Add	12.32	
23 05 23 00-0125	EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	246.43	11.11
	For 150 LB Rating, Add	59.19	
	For 200 LB Rating, Add	72.56	
	For 250 LB Rating, Add	85.93	
	For 300 LB Rating, Add	105.02	
	For Chain Operated Type, Add	159.44	
	For Work In Restricted Working Space, Add	16.64	
23 05 23 00-0126	EA 3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	293.16	12.90
	For 150 LB Rating, Add	71.03	
	For 200 LB Rating, Add	87.07	
	For 250 LB Rating, Add	103.11	
	For 300 LB Rating, Add	126.03	
	For Chain Operated Type, Add	191.33	
	For Work In Restricted Working Space, Add	19.21	
23 05 23 00-0127	EA 4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	378.32	14.56
	For 150 LB Rating, Add	94.71	
	For 200 LB Rating, Add	116.10	
	For 250 LB Rating, Add	137.48	
	For 300 LB Rating, Add	168.04	
	For Chain Operated Type, Add	255.11	
	For Work In Restricted Working Space, Add	21.84	
23 05 23 00-0128	Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0110)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0129	EA		2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.58 45.66 66.28 73.64 22.59	60.23
23 05 23 00-0130	EA		2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	255.19 55.66 80.79 89.77 22.70	60.33
23 05 23 00-0131	EA		3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	303.98 66.79 96.95 107.73 26.56	70.74
23 05 23 00-0132	EA		4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	435.87 89.05 129.27 143.63 44.58	118.59
23 05 23 00-0133	EA		5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	550.17 123.84 179.77 199.74 45.21	120.74
23 05 23 00-0134	EA		6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	673.25 156.53 227.23 252.48 50.49	134.15
23 05 23 00-0135	EA		8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	989.45 240.72 349.43 388.26 63.88	171.42
23 05 23 00-0136	EA		10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,443.57 366.64 532.22 591.36 78.26	208.69
23 05 23 00-0137	EA		12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,554.21 693.79 1,007.11 1,119.01 94.86	253.41
23 05 23 00-0138			Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves (23 05 23 00-0110)		
23 05 23 00-0139	EA		1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.28 3.32 4.07 5.89 4.37	4.51
23 05 23 00-0140	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.86 3.32 4.07 5.89 3.95	4.51
23 05 23 00-0141	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.55 3.32 4.07 5.89 4.16	4.51
23 05 23 00-0142	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.00 3.54 4.34 6.28 4.37	4.51
23 05 23 00-0143	EA		3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.48 4.91 6.02 8.71 5.90	4.75
23 05 23 00-0144	EA		1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.55 6.44 7.89 11.42 7.13	4.75
23 05 23 00-0145	EA		1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.99 9.57 11.73 16.97 9.04	6.01
23 05 23 00-0146	EA		1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.73 11.15 13.67 19.79 10.43	6.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0147 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	95.28	8.22
For 150 LB Rating, Add	16.80	
For 200 LB Rating, Add	20.60	
For 300 LB Rating, Add	29.81	
For Work In Restricted Working Space, Add	12.32	
23 05 23 00-0148 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	158.00	12.07
For 150 LB Rating, Add	30.31	
For 200 LB Rating, Add	37.15	
For 300 LB Rating, Add	53.77	
For Work In Restricted Working Space, Add	18.07	
23 05 23 00-0149 EA 3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	235.07	14.01
For 150 LB Rating, Add	51.32	
For 200 LB Rating, Add	62.91	
For 300 LB Rating, Add	91.06	
For Work In Restricted Working Space, Add	20.85	
23 05 23 00-0150 Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0110)		
23 05 23 00-0151 EA 2" Flanged, 125 LB, Iron Body, Angle Globe Valve	454.22	60.23
For 250 LB Rating, Add	227.35	
For Chain Operated Type, Add	147.78	
For Work In Restricted Working Space, Add	22.59	
23 05 23 00-0152 EA 2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	523.79	60.33
For 250 LB Rating, Add	268.88	
For Chain Operated Type, Add	174.77	
For Work In Restricted Working Space, Add	22.70	
23 05 23 00-0153 EA 3" Flanged, 125 LB, Iron Body, Angle Globe Valve	616.63	70.74
For 250 LB Rating, Add	316.86	
For Chain Operated Type, Add	205.96	
For Work In Restricted Working Space, Add	26.56	
23 05 23 00-0154 EA 4" Flanged, 125 LB, Iron Body, Angle Globe Valve	902.89	118.59
For 250 LB Rating, Add	452.57	
For Chain Operated Type, Add	294.17	
For Work In Restricted Working Space, Add	44.58	
23 05 23 00-0155 EA 5" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,502.50	120.74
For 250 LB Rating, Add	811.09	
For Chain Operated Type, Add	527.21	
For Work In Restricted Working Space, Add	45.21	
23 05 23 00-0156 EA 6" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,520.11	134.15
For 250 LB Rating, Add	811.09	
For Chain Operated Type, Add	527.21	
For Work In Restricted Working Space, Add	50.49	
23 05 23 00-0157 EA 8" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,858.69	171.42
For 250 LB Rating, Add	1,587.45	
For Chain Operated Type, Add	1,031.84	
For Work In Restricted Working Space, Add	63.88	
23 05 23 00-0158 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0110)		
Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0159 EA 1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	81.63	7.32
For Work In Restricted Working Space, Add	3.95	
23 05 23 00-0160 EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	83.05	7.32
For Work In Restricted Working Space, Add	4.37	
23 05 23 00-0161 EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	97.54	9.85
For Work In Restricted Working Space, Add	5.90	
23 05 23 00-0162 EA 1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	120.51	11.88
For Work In Restricted Working Space, Add	7.13	
23 05 23 00-0163 EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	195.95	15.04
For Work In Restricted Working Space, Add	9.04	
23 05 23 00-0164 EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	235.12	17.39
For Work In Restricted Working Space, Add	10.43	
23 05 23 00-0165 EA 2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	299.24	20.56
For Work In Restricted Working Space, Add	12.32	
23 05 23 00-0166 Triple Duty Valves (23 05 23)		
Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0167 Straight Pattern, Triple Duty Valves (23 05 23 00-0166)		
Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0168 EA 1" Threaded, Straight Pattern, Triple Duty Valve	197.65	4.75
23 05 23 00-0169 EA 1-1/4" Threaded, Straight Pattern, Triple Duty Valve	226.94	6.01
23 05 23 00-0170 EA 1-1/2" Threaded, Straight Pattern, Triple Duty Valve	244.70	6.95
23 05 23 00-0171 EA 2" Flanged, Straight Pattern, Triple Duty Valve.....	646.14	60.23
23 05 23 00-0172 EA 2-1/2" Flanged, Straight Pattern, Triple Duty Valve	735.07	60.33
23 05 23 00-0173 EA 3" Flanged, Straight Pattern, Triple Duty Valve.....	800.44	70.74
23 05 23 00-0174 EA 4" Flanged, Straight Pattern, Triple Duty Valve.....	1,664.28	118.59
23 05 23 00-0175 EA 5" Flanged, Straight Pattern Triple Duty Valve.....	1,938.66	120.74
23 05 23 00-0176 EA 6" Flanged, Straight Pattern, Triple Duty Valve.....	2,609.13	134.15
23 05 23 00-0177 EA 8" Flanged, Straight Pattern, Triple Duty Valve.....	3,526.43	171.42
23 05 23 00-0178 EA 10" Flanged, Straight Pattern, Triple Duty Valve.....	5,733.02	208.69
23 05 23 00-0179 Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0166)		
Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0180 EA 2" Flanged, Angle Pattern, Triple Duty Valve.....	629.73	60.23



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0181	EA		2-1/2" Flanged, Angle Pattern, Triple Duty Valve	715.38	60.33
23 05 23 00-0182	EA		3" Flanged, Angle Pattern, Triple Duty Valve.....	784.03	70.74
23 05 23 00-0183	EA		4" Flanged, Angle Pattern, Triple Duty Valve.....	1,621.64	118.59
23 05 23 00-0184	EA		5" Flanged, Angle Pattern, Triple Duty Valve.....	1,886.17	120.74
23 05 23 00-0185	EA		6" Flanged, Angle Pattern, Triple Duty Valve.....	2,117.02	134.15
23 05 23 00-0186	EA		8" Flanged, Angle Pattern, Triple Duty Valve.....	3,293.50	171.42
23 05 23 00-0187	EA		10" Flanged, Angle Pattern, Triple Duty Valve.....	4,424.03	208.69
23 05 23 00-0188			Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0166)		
Note: Bell & Gossett 3DS-B Series.					
23 05 23 00-0189	EA		3" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	728.26	70.74
23 05 23 00-0190	EA		4" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,474.00	118.59
23 05 23 00-0191	EA		5" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,718.85	120.74
23 05 23 00-0192	EA		6" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,310.58	134.15
23 05 23 00-0193	EA		8" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	3,119.62	171.42
23 05 23 00-0194	EA		10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	5,053.92	208.69
23 05 23 00-0195	EA		12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	7,677.98	253.41
23 05 23 00-0196	EA		14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	9,343.26	298.12
23 05 23 00-0197	EA		16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	11,758.46	327.93
23 05 23 00-0198			Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0166)		
Note: Bell & Gossett 3DS-G Series.					
23 05 23 00-0199	EA		2" Grooved, Straight Pattern, Triple Duty Valve.....	738.24	11.16
23 05 23 00-0200	EA		2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	879.64	13.31
23 05 23 00-0201	EA		3" Grooved, Straight Pattern, Triple Duty Valve.....	1,025.53	14.44
23 05 23 00-0202	EA		4" Grooved, Straight Pattern, Triple Duty Valve.....	1,713.06	15.56
23 05 23 00-0203	EA		5" Grooved, Straight Pattern, Triple Duty Valve.....	1,980.32	19.01
23 05 23 00-0204	EA		6" Grooved, Straight Pattern Triple Duty Valve.....	2,641.38	24.37
23 05 23 00-0205	EA		8" Grooved, Straight Pattern Triple Duty Valve.....	3,595.91	30.93
23 05 23 00-0206	EA		10" Grooved, Straight Pattern Triple Duty Valve.....	5,694.94	34.66
23 05 23 00-0207	EA		12" Grooved, Straight Pattern Triple Duty Valve.....	9,061.30	42.26
23 05 23 00-0208			Plug Valves (23 05 23)		
23 05 23 00-0209			Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0208)		
Note: Includes wrench.					
23 05 23 00-0210	EA		1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	114.72	4.51
23 05 23 00-0211	EA		3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	119.79	4.97
23 05 23 00-0212	EA		1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	151.51	5.65
23 05 23 00-0213	EA		1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	181.37	6.01
23 05 23 00-0214	EA		1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	199.27	6.95
23 05 23 00-0215	EA		2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	235.24	8.22
23 05 23 00-0216	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	352.85	11.11
23 05 23 00-0217	EA		3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	431.90	12.90
23 05 23 00-0218			Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0208)		
Note: Wrench operated for 4", gear operated for 6" and 10".					
23 05 23 00-0219	EA		2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	232.57	60.23
23 05 23 00-0220	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	282.82	60.33
23 05 23 00-0221	EA		3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	348.85	70.74
23 05 23 00-0222	EA		4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	501.12	118.59
23 05 23 00-0223	EA		6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,108.69	134.15
23 05 23 00-0224	EA		8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,907.16	171.42
23 05 23 00-0225	EA		10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,084.19	208.69
23 05 23 00-0226	EA		12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	4,601.64	253.41
23 05 23 00-0227			Plug Valves, Forged Steel, Screwed (23 05 23 00-0208)		
23 05 23 00-0228	EA		1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	442.93	4.51
23 05 23 00-0229	EA		3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	523.26	4.97
23 05 23 00-0230	EA		1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	591.51	5.65
23 05 23 00-0231	EA		1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	709.67	6.01
23 05 23 00-0232	EA		1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	826.41	6.95
23 05 23 00-0233	EA		2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,087.34	8.22
23 05 23 00-0234			Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0208)		
23 05 23 00-0235	EA		4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	580.57	118.59
23 05 23 00-0236	EA		6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	909.00	134.15
23 05 23 00-0237	EA		8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,245.39	171.42
23 05 23 00-0238	EA		10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,788.99	208.69
23 05 23 00-0239	EA		12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,321.60	253.41
23 05 23 00-0240			Foot Valves (23 05 23)		
23 05 23 00-0241			Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0240)		
23 05 23 00-0242	EA		1" Single Poppet Foot Valve, Metal To Metal Seat Construction	42.69	13.94
23 05 23 00-0243	EA		1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction	48.43	15.61
23 05 23 00-0244	EA		1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	61.26	17.84
23 05 23 00-0245	EA		2" Single Poppet Foot Valve, Metal To Metal Seat Construction	79.57	20.07

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0246	EA		2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	177.18	32.89
23 05 23 00-0247	EA		3" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	225.82	40.14
23 05 23 00-0248			Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0240)		
23 05 23 00-0249	EA		1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	42.69	13.94
23 05 23 00-0250	EA		1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	86.50	15.61
23 05 23 00-0251	EA		1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	83.22	17.84
23 05 23 00-0252	EA		2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	111.78	20.07
23 05 23 00-0253	EA		3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	217.11	32.89
23 05 23 00-0254	EA		4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	293.57	39.57
23 05 23 00-0255			Float Valves (23 05 23)		
23 05 23 00-0256			Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0255)		
23 05 23 00-0257			Single Seat, Bronze Construction (23 05 23 00-0256)		
			Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0258	EA		Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	87.82	9.49
23 05 23 00-0259	EA		Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	100.64	11.30
23 05 23 00-0260	EA		Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	130.72	12.20
23 05 23 00-0261	EA		Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve.....	218.34	15.37
23 05 23 00-0262	EA		Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve.....	222.86	17.62
23 05 23 00-0263			Double Seat, Bronze Construction (23 05 23 00-0256)		
			Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0264	EA		Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	473.22	9.49
23 05 23 00-0265	EA		Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	476.83	11.30
23 05 23 00-0266	EA		Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	550.45	12.20
23 05 23 00-0267	EA		Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve.....	608.39	15.37
23 05 23 00-0268	EA		Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve.....	695.50	17.62
23 05 23 00-0269	EA		Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	912.43	20.78
23 05 23 00-0270	EA		Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve.....	1,060.86	27.88
23 05 23 00-0271	EA		Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	1,276.07	32.04
23 05 23 00-0272			Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0255)		
			Note: Includes arm, ball and bracket.		
23 05 23 00-0273			Brass Body Threaded Ends (23 05 23 00-0272)		
23 05 23 00-0274	EA		1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	92.49	12.25
23 05 23 00-0275	EA		3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	104.57	13.60
23 05 23 00-0276	EA		1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	129.56	15.04
23 05 23 00-0277	EA		1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	207.08	24.31
23 05 23 00-0278	EA		1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	216.83	27.70
23 05 23 00-0279	EA		2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	244.07	34.34
23 05 23 00-0280			Cast Iron Body Flanged (23 05 23 00-0272)		
23 05 23 00-0281	EA		2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	2,978.42	60.33
23 05 23 00-0282	EA		3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	3,601.44	70.74
23 05 23 00-0283			Float Operated Valves (23 05 23 00-0255)		
23 05 23 00-0284			For Condensate Receivers Tanks And Vessels (23 05 23 00-0283)		
			Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0285	EA		1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	331.47	21.24
23 05 23 00-0286			For Condensate Receivers Tanks And Vessels (23 05 23 00-0283)		
			Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0287	EA		3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	416.84	39.53
23 05 23 00-0288			Needle Valves (23 05 23)		
23 05 23 00-0289			Bronze Needle Valve (23 05 23 00-0288)		
			Note: For heating and cooling applications.		
23 05 23 00-0290	EA		1/4" Needle Valve, Bronze.....	45.70	4.51
23 05 23 00-0291	EA		3/8" Needle Valve, Bronze.....	50.97	4.51
23 05 23 00-0292	EA		1/2" Needle Valve, Bronze.....	55.77	4.51
23 05 23 00-0293	EA		3/4" Needle Valve, Bronze.....	84.71	4.97
23 05 23 00-0294	EA		1" Needle Valve, Bronze.....	129.91	5.65
23 05 23 00-0295			Eccentric Valves With Taps (23 05 23)		
23 05 23 00-0296			Screwed Eccentric Valves With Taps (23 05 23 00-0295)		
23 05 23 00-0297	EA		1/2" Diameter Eccentric Valves With Taps, Screwed.....	109.30	4.51
23 05 23 00-0298	EA		3/4" Diameter Eccentric Valves With Taps, Screwed.....	115.83	4.97
23 05 23 00-0299	EA		1" Diameter Eccentric Valves With Taps, Screwed.....	146.19	5.65
23 05 23 00-0300	EA		1-1/4" Diameter Eccentric Valves With Taps, Screwed.....	177.32	6.01
23 05 23 00-0301	EA		1-1/2" Diameter Eccentric Valves With Taps, Screwed.....	193.59	6.95



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0302	EA		2" Diameter Eccentric Valves With Taps, Screwed.....	227.61	8.22
23 05 23 00-0303	EA		2-1/2" Diameter Eccentric Valves With Taps, Screwed	344.02	11.11
23 05 23 00-0304	EA		3" Diameter Eccentric Valves With Taps, Screwed.....	418.14	12.90
23 05 23 00-0305			Flanged Eccentric Valves With Taps (23 05 23 00-0295)		
23 05 23 00-0306	EA		2-1/2" Diameter Eccentric Valves With Taps, Flanged	418.11	60.33
23 05 23 00-0307	EA		3" Diameter Eccentric Valves With Taps, Flanged.....	496.57	70.74
23 05 23 00-0308	EA		4" Diameter Eccentric Valves With Taps, Flanged.....	665.94	118.59
23 05 23 00-0309	EA		5" Diameter Eccentric Valves With Taps, Flanged.....	879.33	120.74
23 05 23 00-0310	EA		6" Diameter Eccentric Valves With Taps, Flanged.....	1,115.53	134.15
23 05 23 00-0311	EA		8" Diameter Eccentric Valves With Taps, Flanged.....	1,925.24	171.42
23 05 23 00-0312	EA		10" Diameter Eccentric Valves With Taps, Flanged.....	2,701.79	208.69
23 05 23 00-0313	EA		12" Diameter Eccentric Valves With Taps, Flanged.....	4,651.60	253.41
23 05 23 00-0314			Check Valves (23 05 23)		
23 05 23 00-0315			Iron Body Wafer Type Check Valve (23 05 23 00-0314)		
23 05 23 00-0316			Single Disk Type (23 05 23 00-0315)		
23 05 23 00-0317	EA		2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	218.37	74.30
			For 200 LB Rating, Add	31.37	
			For 150 LB Rating, Add	26.35	
			For 300 LB Rating, Add	37.64	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	75.04	
23 05 23 00-0318	EA		2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	257.72	74.44
			For 200 LB Rating, Add	41.10	
			For 150 LB Rating, Add	34.52	
			For 300 LB Rating, Add	49.31	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	92.64	
23 05 23 00-0319	EA		3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	317.00	87.28
			For 200 LB Rating, Add	51.94	
			For 150 LB Rating, Add	43.63	
			For 300 LB Rating, Add	62.33	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	115.34	
23 05 23 00-0320	EA		4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	464.75	146.31
			For 200 LB Rating, Add	70.35	
			For 150 LB Rating, Add	59.10	
			For 300 LB Rating, Add	84.42	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	163.30	
23 05 23 00-0321	EA		6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	697.46	205.34
			For 200 LB Rating, Add	110.20	
			For 150 LB Rating, Add	92.56	
			For 300 LB Rating, Add	132.23	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	249.69	
23 05 23 00-0322	EA		8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	970.55	236.15
			For 200 LB Rating, Add	169.11	
			For 150 LB Rating, Add	142.05	
			For 300 LB Rating, Add	202.93	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	363.22	
23 05 23 00-0323	EA		10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,442.38	287.48
			For 200 LB Rating, Add	270.10	
			For 150 LB Rating, Add	226.88	
			For 300 LB Rating, Add	324.12	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	558.57	
23 05 23 00-0324			Twin Disc Type (23 05 23 00-0315)		
23 05 23 00-0325	EA		2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	233.79	74.30
			For 200 LB Rating, Add	35.22	
			For 150 LB Rating, Add	29.58	
			For 300 LB Rating, Add	42.26	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	81.98	
23 05 23 00-0326	EA		2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	262.41	74.44
			For 200 LB Rating, Add	42.27	
			For 150 LB Rating, Add	35.50	
			For 300 LB Rating, Add	50.72	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	94.75	
23 05 23 00-0327	EA		3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	306.50	87.28
			For 200 LB Rating, Add	49.32	
			For 150 LB Rating, Add	41.43	
			For 300 LB Rating, Add	59.18	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	110.62	
23 05 23 00-0328	EA		4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	433.85	146.31
			For 200 LB Rating, Add	62.63	
			For 150 LB Rating, Add	52.61	
			For 300 LB Rating, Add	75.15	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	149.40	
23 05 23 00-0329	EA		6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	660.64	205.34
			For 200 LB Rating, Add	100.99	
			For 150 LB Rating, Add	84.83	
			For 300 LB Rating, Add	121.19	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	233.12	
23 05 23 00-0330	EA		8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	910.28	236.15
			For 200 LB Rating, Add	154.23	
			For 150 LB Rating, Add	129.55	
			For 300 LB Rating, Add	185.08	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	336.29	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0331	EA		10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,336.53	25.67
			<i>For 200 LB Rating, Add</i>	244.26	
			<i>For 150 LB Rating, Add</i>	205.17	
			<i>For 300 LB Rating, Add</i>	293.11	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	511.56	
23 05 23 00-0332	EA		12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,744.05	349.09
			<i>For 200 LB Rating, Add</i>	327.25	
			<i>For 150 LB Rating, Add</i>	274.89	
			<i>For 300 LB Rating, Add</i>	392.70	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	676.06	
23 05 23 00-0333	EA		14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	3,208.53	410.06
			<i>For 200 LB Rating, Add</i>	665.45	
			<i>For 150 LB Rating, Add</i>	558.97	
			<i>For 300 LB Rating, Add</i>	798.53	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,307.15	
23 05 23 00-0334	EA		16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	4,359.23	481.13
			<i>For 200 LB Rating, Add</i>	939.45	
			<i>For 150 LB Rating, Add</i>	789.14	
			<i>For 300 LB Rating, Add</i>	1,127.34	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,811.30	
23 05 23 00-0335	EA		18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	5,770.39	535.81
			<i>For 200 LB Rating, Add</i>	1,275.54	
			<i>For 150 LB Rating, Add</i>	1,071.45	
			<i>For 300 LB Rating, Add</i>	1,530.64	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	2,429.61	
23 05 23 00-0336	EA		20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	6,853.31	601.42
			<i>For 200 LB Rating, Add</i>	1,525.38	
			<i>For 150 LB Rating, Add</i>	1,281.32	
			<i>For 300 LB Rating, Add</i>	1,830.46	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	2,896.04	
23 05 23 00-0337	EA		24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	8,942.46	738.11
			<i>For 200 LB Rating, Add</i>	2,004.30	
			<i>For 150 LB Rating, Add</i>	1,683.61	
			<i>For 300 LB Rating, Add</i>	2,405.16	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	3,792.79	
23 05 23 00-0338			Bronze Body Swing Check Valves (23 05 23 00-0314)		
23 05 23 00-0339			Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0338)		
23 05 23 00-0340	EA		1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	31.99	4.51
			<i>For 300 LB Rating, Add</i>	6.79	
			<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 23 00-0341	EA		1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	30.57	4.51
			<i>For 300 LB Rating, Add</i>	6.79	
			<i>For Work In Restricted Working Space, Add</i>	3.95	
23 05 23 00-0342	EA		3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	31.26	4.51
			<i>For 300 LB Rating, Add</i>	6.79	
			<i>For Work In Restricted Working Space, Add</i>	4.16	
23 05 23 00-0343	EA		1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	32.67	4.51
			<i>For 300 LB Rating, Add</i>	7.06	
			<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 23 00-0344	EA		3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	41.57	4.75
			<i>For 300 LB Rating, Add</i>	8.55	
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 23 00-0345	EA		1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	53.55	4.75
			<i>For 300 LB Rating, Add</i>	11.61	
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 23 00-0346	EA		1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	71.92	6.01
			<i>For 300 LB Rating, Add</i>	16.30	
			<i>For Work In Restricted Working Space, Add</i>	9.04	
23 05 23 00-0347	EA		1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	93.27	6.95
			<i>For 300 LB Rating, Add</i>	22.82	
			<i>For Work In Restricted Working Space, Add</i>	10.43	
23 05 23 00-0348	EA		2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	116.32	8.22
			<i>For 300 LB Rating, Add</i>	29.34	
			<i>For Work In Restricted Working Space, Add</i>	12.32	
23 05 23 00-0349	EA		2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	228.44	11.11
			<i>For 300 LB Rating, Add</i>	67.45	
			<i>For Work In Restricted Working Space, Add</i>	16.64	
23 05 23 00-0350	EA		3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	310.01	12.90
			<i>For 300 LB Rating, Add</i>	95.94	
			<i>For Work In Restricted Working Space, Add</i>	19.21	
23 05 23 00-0351	EA		4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	351.18	14.56
			<i>For 300 LB Rating, Add</i>	108.56	
			<i>For Work In Restricted Working Space, Add</i>	21.85	
23 05 23 00-0352			125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves (23 05 23 00-0314)		
23 05 23 00-0353	EA		1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	197.79	33.88
			<i>For 150 LB Rating, Add</i>	105.51	
			<i>For 250 LB Rating, Add</i>	201.71	
			<i>For Work In Restricted Working Space, Add</i>	12.79	
23 05 23 00-0354	EA		1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	220.05	39.53
			<i>For 150 LB Rating, Add</i>	116.24	
			<i>For 250 LB Rating, Add</i>	222.22	
			<i>For Work In Restricted Working Space, Add</i>	14.73	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0355	EA		1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	244.85	47.44
			<i>For 150 LB Rating, Add</i>	126.07	
			<i>For 250 LB Rating, Add</i>	241.02	
			<i>For Work In Restricted Working Space, Add</i>	17.84	
23 05 23 00-0356	EA		2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	305.56	60.23
			<i>For 150 LB Rating, Add</i>	156.58	
			<i>For 250 LB Rating, Add</i>	299.34	
			<i>For Work In Restricted Working Space, Add</i>	22.59	
23 05 23 00-0357	EA		2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	344.38	60.33
			<i>For 150 LB Rating, Add</i>	182.74	
			<i>For 250 LB Rating, Add</i>	349.35	
			<i>For Work In Restricted Working Space, Add</i>	22.70	
23 05 23 00-0358	EA		3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	380.56	70.74
			<i>For 150 LB Rating, Add</i>	198.58	
			<i>For 250 LB Rating, Add</i>	379.64	
			<i>For Work In Restricted Working Space, Add</i>	26.56	
23 05 23 00-0359	EA		4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	599.93	118.59
			<i>For 150 LB Rating, Add</i>	306.90	
			<i>For 250 LB Rating, Add</i>	586.72	
			<i>For Work In Restricted Working Space, Add</i>	44.58	
23 05 23 00-0360	EA		5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	813.31	120.74
			<i>For 150 LB Rating, Add</i>	450.58	
			<i>For 250 LB Rating, Add</i>	861.41	
			<i>For Work In Restricted Working Space, Add</i>	45.21	
23 05 23 00-0361	EA		6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	936.58	134.15
			<i>For 150 LB Rating, Add</i>	522.43	
			<i>For 250 LB Rating, Add</i>	998.76	
			<i>For Work In Restricted Working Space, Add</i>	50.49	
23 05 23 00-0362	EA		8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	2,131.05	171.42
			<i>For 150 LB Rating, Add</i>	1,304.31	
			<i>For 250 LB Rating, Add</i>	2,493.54	
			<i>For Work In Restricted Working Space, Add</i>	63.88	
23 05 23 00-0363	EA		10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	2,871.81	208.69
			<i>For 150 LB Rating, Add</i>	1,775.45	
			<i>For 250 LB Rating, Add</i>	3,394.25	
			<i>For Work In Restricted Working Space, Add</i>	78.26	
23 05 23 00-0364	EA		12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	4,387.85	253.41
			<i>For 150 LB Rating, Add</i>	2,768.73	
			<i>For 250 LB Rating, Add</i>	5,293.16	
			<i>For Work In Restricted Working Space, Add</i>	94.86	
23 05 23 00-0365	EA		14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	5,038.13	342.76
			<i>For 150 LB Rating, Add</i>	3,134.58	
			<i>For 250 LB Rating, Add</i>	5,992.58	
			<i>For Work In Restricted Working Space, Add</i>	128.54	
23 05 23 00-0366	EA		16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	7,185.25	377.03
			<i>For 150 LB Rating, Add</i>	4,565.49	
			<i>For 250 LB Rating, Add</i>	8,728.15	
			<i>For Work In Restricted Working Space, Add</i>	141.39	
23 05 23 00-0367	EA		18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	11,075.17	418.17
			<i>For 150 LB Rating, Add</i>	7,175.67	
			<i>For 250 LB Rating, Add</i>	13,718.20	
			<i>For Work In Restricted Working Space, Add</i>	156.81	
23 05 23 00-0368	EA		20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	15,276.37	471.29
			<i>For 150 LB Rating, Add</i>	9,987.33	
			<i>For 250 LB Rating, Add</i>	19,093.43	
			<i>For Work In Restricted Working Space, Add</i>	176.74	
23 05 23 00-0369	EA		24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	21,284.24	578.41
			<i>For 150 LB Rating, Add</i>	13,981.64	
			<i>For 250 LB Rating, Add</i>	26,729.60	
			<i>For Work In Restricted Working Space, Add</i>	216.90	
23 05 23 00-0370			Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston		
			Check, Swing Check Valves (23 05 23 00-0314)		
			Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0371	EA		1/2" Class 800, Threaded, Forged Steel Swing Check Valve.....	74.88	4.51
			<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 23 00-0372	EA		3/4" 800, Threaded, Forged Steel Swing Check Valve.....	88.12	4.97
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 23 00-0373	EA		1" Class 800, Threaded, Forged Steel Swing Check Valve.....	104.18	5.65
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 23 00-0374	EA		1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve.....	161.62	6.01
			<i>For Work In Restricted Working Space, Add</i>	9.04	
23 05 23 00-0375	EA		1-1/2" 800, Threaded, Forged Steel Swing Check Valve.....	191.78	6.95
			<i>For Work In Restricted Working Space, Add</i>	10.43	
23 05 23 00-0376	EA		2" Class 800, Threaded, Forged Steel Swing Check Valve.....	259.67	8.22
			<i>For Work In Restricted Working Space, Add</i>	12.32	
23 05 23 00-0377			Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End		
			Connections (23 05 23 00-0314)		
23 05 23 00-0378	EA		1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	27.94	4.51
			<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 23 00-0379	EA		3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	33.01	4.97
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 23 00-0380	EA		1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	37.67	5.65
			<i>For Work In Restricted Working Space, Add</i>	7.13	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

City of Miami

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0381 EA 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	44.59 9.04	6.01
23 05 23 00-0382 EA 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	50.05 10.43	6.95
23 05 23 00-0383 EA 2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	64.87 12.32	8.22
23 05 23 00-0384 EA 2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	89.35 16.64	11.11
23 05 23 00-0385 EA 3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	107.97 19.21	12.90
23 05 23 00-0386 Diaphragm Valves (23 05 23)		
23 05 23 00-0387 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0386)		
23 05 23 00-0388 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	110.73	13.53
23 05 23 00-0389 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	142.31	14.98
23 05 23 00-0390 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	153.96	18.52
23 05 23 00-0391 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	244.67	27.67
23 05 23 00-0392 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	395.67	33.29
23 05 23 00-0393 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0386)		
23 05 23 00-0394 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	142.59	21.68
23 05 23 00-0395 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	166.72	22.59
23 05 23 00-0396 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	196.00	33.88
23 05 23 00-0397 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	298.02	47.44
23 05 23 00-0398 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	479.42	60.23
23 05 23 00-0399 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	617.93	60.33
23 05 23 00-0400 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	768.96	70.74
23 05 23 00-0401 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,082.67	118.59
23 05 23 00-0402 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	2,260.94	134.15
23 05 23 00-0403 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,531.36	171.42
23 05 23 00-0404 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0386)		
23 05 23 00-0405 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	67.16	13.53
23 05 23 00-0406 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	88.41	14.98
23 05 23 00-0407 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	100.06	18.52
23 05 23 00-0408 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	171.27	27.67
23 05 23 00-0409 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	224.80	33.29
23 05 23 00-0410 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0386)		
23 05 23 00-0411 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	94.06	21.68
23 05 23 00-0412 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	109.53	22.59
23 05 23 00-0413 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	138.79	33.88
23 05 23 00-0414 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	220.12	47.44
23 05 23 00-0415 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	298.05	60.23
23 05 23 00-0416 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	366.06	60.33
23 05 23 00-0417 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	446.40	70.74
23 05 23 00-0418 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	702.45	118.59
23 05 23 00-0419 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,409.10	134.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0420 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	2,180.26	171.42
23 05 23 00-0421 125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0386)		
23 05 23 00-0422 EA 1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	178.77	33.88
23 05 23 00-0423 EA 1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	291.69	47.44
23 05 23 00-0424 EA 2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	393.62	60.23
23 05 23 00-0425 EA 2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	572.15	60.33
23 05 23 00-0426 EA 3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	631.07	70.74
23 05 23 00-0427 EA 4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	987.45	118.59
23 05 23 00-0428 EA 6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,990.12	134.15
23 05 23 00-0429 EA 8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	4,180.88	171.42
23 05 23 00-0430 Solenoid Valves (23 05 23)		
23 05 23 00-0431 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure (23 05 23 00-0430)		
23 05 23 00-0432 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Water	54.05	4.51
23 05 23 00-0433 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Water	62.80	4.51
23 05 23 00-0434 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Water	80.29	4.97
23 05 23 00-0435 EA 1" Solenoid Valve, Bronze, 150 PSI, Water	118.76	5.65
23 05 23 00-0436 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	210.09	6.95
23 05 23 00-0437 EA 2" Solenoid Valve, Bronze, 150 PSI, Water	330.17	8.22
23 05 23 00-0438 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	449.74	11.11
23 05 23 00-0439 EA 3" Solenoid Valve, Bronze, 150 PSI, Water	653.90	12.90
23 05 23 00-0440 Flow Control Valves And Meters (23 05 23)		
23 05 23 00-0441 Conditioned Water Balancing Valves (23 05 23 00-0440)		
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0442 EA 1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	75.02	28.43
23 05 23 00-0443 EA 3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	90.52	37.90
23 05 23 00-0444 EA 1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	141.87	43.31
23 05 23 00-0445 EA 1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	185.34	53.51
23 05 23 00-0446 EA 1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	214.22	56.85
23 05 23 00-0447 EA 2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	288.17	65.00
23 05 23 00-0448 EA 2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	545.88	113.15
23 05 23 00-0449 EA 3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	762.20	129.32
23 05 23 00-0450 EA 3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	994.65	87.28
23 05 23 00-0451 EA 4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,217.37	146.31
23 05 23 00-0452 EA 6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,418.39	184.81
23 05 23 00-0453 EA 8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,429.50	236.15
23 05 23 00-0454 EA 10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,126.98	287.48
23 05 23 00-0455 Read Out Meters (23 05 23 00-0440)		
Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0456 EA 0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	537.22	
23 05 23 00-0457 EA 0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	727.01	
23 05 23 00-0458 EA 0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	727.01	
23 05 23 00-0459 EA 0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	727.01	
23 05 23 00-0460 Balancing Valves (23 05 23)		
23 05 23 00-0461 Balancing Valves With Lever (23 05 23 00-0460)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0462 EA 1/2" Threaded Balancing Valve With Lever	136.36	17.56
23 05 23 00-0463 EA 3/4" Threaded Balancing Valve With Lever	150.58	23.13
23 05 23 00-0464 EA 1" Threaded Balancing Valve With Lever	159.79	26.48
23 05 23 00-0465 EA 1-1/4" Threaded Balancing Valve With Lever	181.38	32.89
23 05 23 00-0466 EA 1-1/2" Threaded Balancing Valve With Lever	194.63	34.84
23 05 23 00-0467 EA 2" Threaded Balancing Valve With Lever	214.99	39.86
23 05 23 00-0468 EA 2-1/2" Flanged Balancing Valve With Lever	356.26	74.44
23 05 23 00-0469 EA 3" Flanged Balancing Valve With Lever	405.99	87.28
23 05 23 00-0470 EA 4" Flanged Balancing Valve With Lever	614.16	146.31
23 05 23 00-0471 EA 5" Flanged Balancing Valve With Lever	935.18	166.33
23 05 23 00-0472 EA 6" Flanged Balancing Valve With Lever	959.42	184.81
23 05 23 00-0473 EA 8" Flanged Balancing Valve With Lever	1,303.39	236.15
23 05 23 00-0474 Balancing Valves With Nut (23 05 23 00-0460)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0475 EA 4" Flanged Balancing Valve With Nut	580.32	146.31
23 05 23 00-0476 EA 5" Flanged Balancing Valve With Nut	892.23	166.33
23 05 23 00-0477 EA 6" Flanged Balancing Valve With Nut	916.47	184.81
23 05 23 00-0478 EA 8" Flanged Balancing Valve With Nut	1,243.51	236.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 23 00-0479		Balancing Valves With Hand Wheel <small>(23 05 23 00-0460)</small>		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.				
23 05 23 00-0480	EA	4" Flanged Balancing Valve With Hand Wheel	834.13	146.31
23 05 23 00-0481	EA	5" Flanged Balancing Valve With Hand Wheel	1,159.06	166.33
23 05 23 00-0482	EA	6" Flanged Balancing Valve With Hand Wheel	1,183.30	184.81
23 05 23 00-0483	EA	8" Flanged Balancing Valve With Hand Wheel	1,535.07	236.15
23 05 23 00-0484	EA	10" Flanged Balancing Valve With Hand Wheel	2,303.91	287.48
23 05 23 00-0485	EA	12" Flanged Balancing Valve With Hand Wheel	3,009.81	231.99
23 05 23 00-0486	EA	14" Flanged Balancing Valve With Hand Wheel	4,092.25	437.40

23 05 23 00-0487		Balancing Valves With Chain Wheel <small>(23 05 23 00-0460)</small>		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.				
23 05 23 00-0488	EA	4" Flanged Balancing Valve With Chain Wheel	972.10	146.31
23 05 23 00-0489	EA	5" Flanged Balancing Valve With Chain Wheel	1,298.32	166.33
23 05 23 00-0490	EA	6" Flanged Balancing Valve With Chain Wheel	1,322.56	184.81
23 05 23 00-0491	EA	8" Flanged Balancing Valve With Chain Wheel	1,673.03	236.15
23 05 23 00-0492	EA	10" Flanged Balancing Valve With Chain Wheel	2,443.18	287.48
23 05 23 00-0493	EA	12" Flanged Balancing Valve With Chain Wheel	3,180.46	231.82
23 05 23 00-0494	EA	14" Flanged Balancing Valve With Chain Wheel	4,261.46	437.40

23 05 23 00-0495		Calibrated Balancing Valves <small>(23 05 23 00-0460)</small>		
Note: Bell & Gossett CB Series.				
23 05 23 00-0496	EA	1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	70.48	5.58
23 05 23 00-0497	EA	3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	81.97	6.13
23 05 23 00-0498	EA	1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	100.20	6.97
23 05 23 00-0499	EA	1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	135.59	7.42
23 05 23 00-0500	EA	1" Threaded Calibrated Balancing Valve (CB-1)	107.42	6.97
23 05 23 00-0501	EA	1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	148.06	7.42
23 05 23 00-0502	EA	1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	172.14	8.58
23 05 23 00-0503	EA	2" Threaded Calibrated Balancing Valve (CB-2)	234.40	10.15
23 05 23 00-0504	EA	2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	441.74	14.89
23 05 23 00-0505	EA	3" Threaded Calibrated Balancing Valve (CB-3)	627.04	17.28
23 05 23 00-0506	EA	2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F)	586.89	80.82
23 05 23 00-0507	EA	3" Flanged Calibrated Balancing Valve (CB-3F)	856.75	94.76
23 05 23 00-0508	EA	4" Flanged Calibrated Balancing Valve (CB-4F)	1,337.47	158.87
23 05 23 00-0509	EA	5" Flanged Calibrated Balancing Valve (CB-5F)	1,941.21	180.60
23 05 23 00-0510	EA	6" Flanged Calibrated Balancing Valve (CB-6F)	2,564.61	200.67
23 05 23 00-0511	EA	8" Flanged Calibrated Balancing Valve (CB-8F)	4,665.43	256.41
23 05 23 00-0512	EA	10" Flanged Calibrated Balancing Valve (CB-10F)	6,492.25	306.18
23 05 23 00-0513	EA	12" Flanged Calibrated Balancing Valve (CB-12F)	13,762.28	371.79
23 05 23 00-0514	EA	4" Grooved Calibrated Balancing Valve (CB-4G)	1,631.04	15.56
23 05 23 00-0515	EA	5" Grooved Calibrated Balancing Valve (CB-5G)	1,878.62	19.01
23 05 23 00-0516	EA	6" Grooved Calibrated Balancing Valve (CB-6G)	2,497.03	24.37
23 05 23 00-0517	EA	8" Grooved Calibrated Balancing Valve (CB-8G)	4,685.09	30.93
23 05 23 00-0518	EA	10" Grooved Calibrated Balancing Valve (CB-10G)	6,302.96	34.66
23 05 23 00-0519	EA	12" Grooved Calibrated Balancing Valve (CB-12G)	13,000.01	42.26

23 05 23 00-0520		Butterfly Valves <small>(23 05 23)</small>		
23 05 23 00-0521		Cast Iron Body, Iron Disc, Butterfly Valves <small>(23 05 23 00-0520)</small>		
Note: With on-off handle, 150 PSI wafer type.				
23 05 23 00-0522	EA	2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	164.85	60.23
For Work In Restricted Working Space, Add			22.59	
For 200 PSI, Add			42.98	
23 05 23 00-0523	EA	2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	170.41	60.33
For Work In Restricted Working Space, Add			22.70	
For 200 PSI, Add			45.48	
23 05 23 00-0524	EA	3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	190.57	70.74
For Work In Restricted Working Space, Add			26.56	
For 200 PSI, Add			48.98	
23 05 23 00-0525	EA	4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	276.69	118.59
For Work In Restricted Working Space, Add			44.58	
For 200 PSI, Add			61.48	
23 05 23 00-0526	EA	5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	350.52	134.15
For Work In Restricted Working Space, Add			50.49	
For 200 PSI, Add			87.47	
23 05 23 00-0527	EA	6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	409.16	149.06
For Work In Restricted Working Space, Add			55.90	
For 200 PSI, Add			106.96	
23 05 23 00-0528	EA	8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	548.23	171.42
For Work In Restricted Working Space, Add			63.88	
For 200 PSI, Add			160.94	
23 05 23 00-0529	EA	10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	910.60	208.69
For Work In Restricted Working Space, Add			78.26	
For 200 PSI, Add			311.88	
23 05 23 00-0530	EA	12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,143.99	253.41
For Work In Restricted Working Space, Add			94.86	
For 200 PSI, Add			397.34	

23 05 23 00-0531		Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Butterfly Valves <small>(23 05 23 00-0520)</small>		
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0532 EA 2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	321.04 22.59	60.23
23 05 23 00-0533 EA 2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	323.47 22.70	60.33
23 05 23 00-0534 EA 3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	348.85 26.56	70.74
23 05 23 00-0535 EA 4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	442.25 44.58	118.59
23 05 23 00-0536 EA 5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	533.78 50.49	134.15
23 05 23 00-0537 EA 6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	591.32 55.90	149.06
23 05 23 00-0538 EA 8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	737.74 63.88	171.42
23 05 23 00-0539 EA 10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	938.71 78.26	208.69
23 05 23 00-0540 EA 12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	1,301.23 94.86	253.41
23 05 23 00-0541 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Butterfly Valves (23 05 23)		
23 05 23 00-0542 EA 14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	2,186.85 128.54 633.02	321.34
23 05 23 00-0543 EA 16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	2,833.68 141.39 850.46	377.03
23 05 23 00-0544 EA 18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	4,033.59 157.10 1,263.57	419.88
23 05 23 00-0545 EA 20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	5,231.42 176.74 1,671.23	471.29
23 05 23 00-0546 EA 24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	7,063.76 217.52 2,281.93	578.41
23 05 23 00-0547 EA 30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	14,904.54 389.41 4,898.35	1,019.87
23 05 23 00-0548 EA 36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	18,910.53 486.76 6,223.68	1,390.74
23 05 23 00-0549 EA 42" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	22,673.47 748.86 7,263.82	2,039.75
23 05 23 00-0550 EA 48" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	27,449.02 973.52 8,713.43	2,549.69
23 05 23 00-0551 EA 54" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For Work In Restricted Working Space, Add</i> <i>For 200 PSI, Add</i>	33,081.55 1,216.90 10,449.08	3,059.62
23 05 29 Hangers And Supports For HVAC Piping And Equipment (23 05)		
23 05 29 00-0001 Hangers And Supports (23 05 29)		
23 05 29 00-0002 Clevis Hangers (23 05 29 00-0001)		
23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) (23 05 29 00-0002)		
Note: Type 1.		
23 05 29 00-0004 EA 1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	9.48 2.25	3.75
23 05 29 00-0005 EA 3/4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	10.31 2.50	4.16
23 05 29 00-0006 EA 1" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	10.83 2.63	4.16
23 05 29 00-0007 EA 1-1/4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	11.38 2.70	4.50
23 05 29 00-0008 EA 1-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	11.64 2.70	4.50
23 05 29 00-0009 EA 2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	12.40 2.78	4.58
23 05 29 00-0010 EA 2-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	14.62 2.85	4.74
23 05 29 00-0011 EA 3" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	16.21 2.94	4.99
23 05 29 00-0012 EA 3-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	16.61 3.14	5.48
23 05 29 00-0013 EA 4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	18.83 3.33	5.83
23 05 29 00-0014 EA 5" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	24.65 4.18	6.97
23 05 29 00-0015 EA 6" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	29.87 5.00	8.32
23 05 29 00-0016 EA 8" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	42.71 6.24	10.41

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0017	EA		10" Steel Clevis Hanger (Cooper B-Line B3100)	66.76	14.14
			<i>For Work In Restricted Working Space, Add</i>	8.32	
23 05 29 00-0018	EA		12" Steel Clevis Hanger (Cooper B-Line B3100)	80.37	15.60
			<i>For Work In Restricted Working Space, Add</i>	9.36	
23 05 29 00-0019	EA		14" Steel Clevis Hanger (Cooper B-Line B3100)	105.03	17.48
			<i>For Work In Restricted Working Space, Add</i>	10.73	
23 05 29 00-0020	EA		16" Steel Clevis Hanger (Cooper B-Line B3100)	135.61	20.81
			<i>For Work In Restricted Working Space, Add</i>	12.48	
23 05 29 00-0021	EA		18" Steel Clevis Hanger (Cooper B-Line B3100)	168.77	26.01
			<i>For Work In Restricted Working Space, Add</i>	15.61	
23 05 29 00-0022	EA		20" Steel Clevis Hanger (Cooper B-Line B3100)	307.75	31.21
			<i>For Work In Restricted Working Space, Add</i>	18.73	
23 05 29 00-0023	EA		24" Steel Clevis Hanger (Cooper B-Line B3100)	506.17	36.41
			<i>For Work In Restricted Working Space, Add</i>	21.85	
23 05 29 00-0024			Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)		
23 05 29 00-0025	EA		1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	14.77	3.75
			<i>For Work In Restricted Working Space, Add</i>	2.25	
23 05 29 00-0026	EA		3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	15.60	4.16
			<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0027	EA		1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	16.24	4.16
			<i>For Work In Restricted Working Space, Add</i>	2.63	
23 05 29 00-0028	EA		1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	16.90	4.50
			<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0029	EA		1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	17.57	4.50
			<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0030	EA		2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	18.00	4.58
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 05 29 00-0031	EA		2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	21.45	4.74
			<i>For Work In Restricted Working Space, Add</i>	2.85	
23 05 29 00-0032	EA		3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	22.82	4.99
			<i>For Work In Restricted Working Space, Add</i>	2.94	
23 05 29 00-0033	EA		3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	25.40	5.83
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 05 29 00-0034	EA		4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	29.87	5.83
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 05 29 00-0035	EA		5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	55.77	6.97
			<i>For Work In Restricted Working Space, Add</i>	4.18	
23 05 29 00-0036	EA		6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	70.12	8.32
			<i>For Work In Restricted Working Space, Add</i>	5.00	
23 05 29 00-0037	EA		8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	81.94	10.41
			<i>For Work In Restricted Working Space, Add</i>	6.24	
23 05 29 00-0038			Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)		
23 05 29 00-0039	EA		1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	9.29	3.75
			<i>For Work In Restricted Working Space, Add</i>	2.25	
23 05 29 00-0040	EA		3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	10.16	4.16
			<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0041	EA		1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	10.79	4.16
			<i>For Work In Restricted Working Space, Add</i>	2.63	
23 05 29 00-0042	EA		1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	11.08	4.50
			<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0043	EA		1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	11.23	4.50
			<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0044	EA		2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	11.58	4.58
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 05 29 00-0045	EA		2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	13.53	4.74
			<i>For Work In Restricted Working Space, Add</i>	2.85	
23 05 29 00-0046	EA		3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	14.37	4.99
			<i>For Work In Restricted Working Space, Add</i>	2.94	
23 05 29 00-0047	EA		3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	16.09	5.83
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 05 29 00-0048	EA		4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	17.14	5.83
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 05 29 00-0049			Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)		
23 05 29 00-0050	EA		3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	16.77	4.16
			<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0051	EA		1" Steel Extended Clevis Hanger (Cooper B-Line B3108)	17.29	4.16
			<i>For Work In Restricted Working Space, Add</i>	2.63	
23 05 29 00-0052	EA		1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	17.54	4.50
			<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0053	EA		1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	18.59	4.50
			<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0054	EA		2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	20.59	4.58
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 05 29 00-0055	EA		2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	22.69	4.74
			<i>For Work In Restricted Working Space, Add</i>	2.85	
23 05 29 00-0056	EA		3" Steel Extended Clevis Hanger (Cooper B-Line B3108)	24.13	4.99
			<i>For Work In Restricted Working Space, Add</i>	2.94	
23 05 29 00-0057	EA		4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	30.02	5.83
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 05 29 00-0058	EA		5" Steel Extended Clevis Hanger (Cooper B-Line B3108)	37.97	6.97
			<i>For Work In Restricted Working Space, Add</i>	4.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0059 EA 6" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	47.74 5.00	8.32
23 05 29 00-0060 EA 8" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	72.03 6.24	10.41
23 05 29 00-0061 EA 10" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	103.48 8.32	14.14
23 05 29 00-0062 EA 12" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	116.15 9.36	15.60
23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)		
23 05 29 00-0064 EA 2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	21.83 2.78	4.58
23 05 29 00-0065 EA 2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	23.85 2.85	4.74
23 05 29 00-0066 EA 3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	25.45 2.94	4.99
23 05 29 00-0067 EA 3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	27.76 3.33	5.83
23 05 29 00-0068 EA 4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	30.39 3.33	5.83
23 05 29 00-0069 EA 5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	37.49 4.18	6.97
23 05 29 00-0070 EA 6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	43.16 5.00	8.32
23 05 29 00-0071 EA 8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	59.34 6.24	10.41
23 05 29 00-0072 Adjustable Hangers (23 05 29 00-0001)		
23 05 29 00-0073 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0072) Note: Type 5.		
23 05 29 00-0074 EA 1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	9.11 1.97	3.28
23 05 29 00-0075 EA 3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	9.83 2.18	3.64
23 05 29 00-0076 EA 1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	10.61 2.42	4.04
23 05 29 00-0077 EA 1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	11.62 2.70	4.49
23 05 29 00-0078 EA 1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	12.21 2.83	4.72
23 05 29 00-0079 EA 2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	13.46 2.97	4.94
23 05 29 00-0080 EA 2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	17.16 3.10	5.17
23 05 29 00-0081 EA 3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	17.96 3.23	5.39
23 05 29 00-0082 EA 4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	22.57 3.64	6.07
23 05 29 00-0083 Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0072) Note: Type 10.		
23 05 29 00-0084 EA 1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	9.49 2.50 7.72 9.95	4.16
23 05 29 00-0085 EA 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	10.04 2.63 8.45 10.88	4.16
23 05 29 00-0086 EA 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	10.53 2.78 8.45 10.88	4.58
23 05 29 00-0087 EA 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	11.22 2.94 9.44 12.16	4.99
23 05 29 00-0088 EA 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	12.52 3.33 9.44 12.16	5.83
23 05 29 00-0089 EA 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	13.38 3.56 9.90 12.75	5.83
23 05 29 00-0090 EA 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	15.25 3.84 16.10 20.74	6.24
23 05 29 00-0091 EA 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	16.42 4.16 16.83 21.68	7.07

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

City of Miami

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0092 EA 3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	18.61	7.60
For Work In Restricted Working Space, Add	4.56	
For 304 Stainless Steel, Add	22.57	
For 316 Stainless Steel, Add	29.07	
23 05 29 00-0093 EA 4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	20.07	8.32
For Work In Restricted Working Space, Add	5.00	
For 304 Stainless Steel, Add	22.57	
For 316 Stainless Steel, Add	29.07	
23 05 29 00-0094 EA 5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	25.82	9.36
For Work In Restricted Working Space, Add	5.62	
For 304 Stainless Steel, Add	46.86	
For 316 Stainless Steel, Add	60.35	
23 05 29 00-0095 EA 6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	28.02	10.41
For Work In Restricted Working Space, Add	6.24	
For 304 Stainless Steel, Add	47.59	
For 316 Stainless Steel, Add	61.29	
23 05 29 00-0096 EA 8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	33.52	12.48
For Work In Restricted Working Space, Add	7.49	
For 304 Stainless Steel, Add	56.50	
For 316 Stainless Steel, Add	72.76	
23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0072)	10.07	4.16
23 05 29 00-0098 EA 1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	10.07	4.16
For Work In Restricted Working Space, Add	2.50	
For 304 Stainless Steel, Add	11.55	
For 316 Stainless Steel, Add	14.88	
23 05 29 00-0099 EA 3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	10.51	4.16
For Work In Restricted Working Space, Add	2.63	
For 304 Stainless Steel, Add	11.55	
For 316 Stainless Steel, Add	14.88	
23 05 29 00-0100 EA 1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	11.00	4.58
For Work In Restricted Working Space, Add	2.78	
For 304 Stainless Steel, Add	11.55	
For 316 Stainless Steel, Add	14.88	
23 05 29 00-0101 EA 1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	11.54	4.99
For Work In Restricted Working Space, Add	2.94	
For 304 Stainless Steel, Add	11.55	
For 316 Stainless Steel, Add	14.88	
23 05 29 00-0102 EA 1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	12.99	5.83
For Work In Restricted Working Space, Add	3.33	
For 304 Stainless Steel, Add	12.54	
For 316 Stainless Steel, Add	16.15	
23 05 29 00-0103 EA 2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	13.78	5.83
For Work In Restricted Working Space, Add	3.56	
For 304 Stainless Steel, Add	12.54	
For 316 Stainless Steel, Add	16.15	
23 05 29 00-0104 EA 2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	17.79	6.24
For Work In Restricted Working Space, Add	3.84	
For 304 Stainless Steel, Add	32.87	
For 316 Stainless Steel, Add	42.33	
23 05 29 00-0105 EA 3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	20.04	7.07
For Work In Restricted Working Space, Add	4.16	
For 304 Stainless Steel, Add	40.72	
For 316 Stainless Steel, Add	52.45	
23 05 29 00-0106 EA 3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	21.84	7.60
For Work In Restricted Working Space, Add	4.56	
For 304 Stainless Steel, Add	43.89	
For 316 Stainless Steel, Add	56.53	
23 05 29 00-0107 EA 4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	24.75	8.32
For Work In Restricted Working Space, Add	5.00	
For 304 Stainless Steel, Add	53.46	
For 316 Stainless Steel, Add	68.85	
23 05 29 00-0108 EA 5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	26.93	9.36
For Work In Restricted Working Space, Add	5.62	
For 304 Stainless Steel, Add	54.19	
For 316 Stainless Steel, Add	69.79	
23 05 29 00-0109 EA 6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	32.70	10.41
For Work In Restricted Working Space, Add	6.24	
For 304 Stainless Steel, Add	78.47	
For 316 Stainless Steel, Add	101.07	
23 05 29 00-0110 Roller Hangers (23 05 29 00-0001)		
23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0110)		
Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112 EA 2" Single Pipe Roll (Cooper B-Line B3114)	24.77	4.11
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	2.46	
23 05 29 00-0113 EA 2-1/2" Single Pipe Roll (Cooper B-Line B3114)	27.04	4.62
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	2.77	
23 05 29 00-0114 EA 3" Single Pipe Roll (Cooper B-Line B3114)	29.56	5.39
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	3.23	
23 05 29 00-0115 EA 3-1/2" Single Pipe Roll (Cooper B-Line B3114)	34.10	6.16
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	3.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0116 EA 4" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. For Work In Restricted Working Space, Add	50.55 4.16	6.93
23 05 29 00-0117 EA 5" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. For Work In Restricted Working Space, Add	41.84 4.62	7.70
23 05 29 00-0118 EA 6" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. For Work In Restricted Working Space, Add	52.80 5.54	9.24
23 05 29 00-0119 EA 8" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. For Work In Restricted Working Space, Add	74.81 6.47	10.78
23 05 29 00-0120 EA 10" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. For Work In Restricted Working Space, Add	88.57 7.70	12.84
23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) (23 05 29 00-0110) Note: Type 43.		
23 05 29 00-0122 EA 2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	35.08 4.18 139.52 179.69	7.25
23 05 29 00-0123 EA 2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	36.08 4.48 139.52 179.69	7.47
23 05 29 00-0124 EA 3" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	39.51 4.78 155.63 200.43	7.80
23 05 29 00-0125 EA 3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	48.11 5.02 207.17 266.82	8.36
23 05 29 00-0126 EA 4" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	49.97 5.57 207.17 266.82	9.48
23 05 29 00-0127 EA 5" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	57.05 6.12 241.89 311.53	10.20
23 05 29 00-0128 EA 6" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	67.80 6.69 300.37 386.84	11.15
23 05 29 00-0129 EA 8" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	95.99 8.36 449.59 579.02	13.94
23 05 29 00-0130 EA 10" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	118.31 11.15 535.59 689.78	18.95
23 05 29 00-0131 EA 12" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	161.11 12.54 787.38 1,014.05	20.91
23 05 29 00-0132 EA 14" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	378.55 14.38 2,182.03 2,810.19	23.97
23 05 29 00-0133 EA 16" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... For Work In Restricted Working Space, Add For 304 Stainless Steel, Add For 316 Stainless Steel, Add	480.12 16.72 2,800.91 3,607.23	27.87
23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0110)		
23 05 29 00-0135 EA 2" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	33.69 4.18	7.25
23 05 29 00-0136 EA 2-1/2" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	36.38 4.48	7.47
23 05 29 00-0137 EA 3" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	37.86 4.78	7.80
23 05 29 00-0138 EA 3-1/2" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	44.66 5.02	8.36
23 05 29 00-0139 EA 4" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	49.82 5.57	9.48
23 05 29 00-0140 EA 5" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	54.35 6.12	10.20
23 05 29 00-0141 EA 6" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	69.57 6.69	11.15
23 05 29 00-0142 EA 8" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	91.78 8.36	13.94
23 05 29 00-0143 EA 10" Steel Roller Chair (Cooper B-Line B3120)..... For Work In Restricted Working Space, Add	117.34 11.15	18.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0144	EA		12" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	158.56 12.54	20.91
23 05 29 00-0145	EA		14" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	170.40 14.38	23.97
23 05 29 00-0146	EA		16" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	207.75 16.72	27.87
23 05 29 00-0147	EA		18" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	286.13 20.90	34.84
23 05 29 00-0148	EA		20" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	356.95 25.08	41.81
23 05 29 00-0149			Adjustable Roller Support (Cooper B-Line B3122) <small>(23 05 29 00-0110)</small>		
23 05 29 00-0150	EA		2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	40.19 4.18	7.25
23 05 29 00-0151	EA		2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	46.00 4.48	7.47
23 05 29 00-0152	EA		3" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	48.11 4.78	7.80
23 05 29 00-0153	EA		3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	50.93 5.02	8.36
23 05 29 00-0154	EA		4" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	62.97 5.57	9.48
23 05 29 00-0155	EA		5" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	72.15 6.12	10.20
23 05 29 00-0156	EA		6" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	85.64 6.69	11.15
23 05 29 00-0157	EA		8" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	124.87 8.36	13.94
23 05 29 00-0158	EA		10" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	153.01 11.15	18.95
23 05 29 00-0159	EA		12" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	178.31 12.54	20.91
23 05 29 00-0160	EA		14" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	264.95 14.38	23.97
23 05 29 00-0161	EA		16" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	319.58 16.72	27.87
23 05 29 00-0162	EA		18" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	355.71 20.90	34.84
23 05 29 00-0163			Adjustable Double Roller Support (Cooper B-Line B3122A) <small>(23 05 29 00-0110)</small>		
23 05 29 00-0164	EA		2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	40.57 4.18	7.25
23 05 29 00-0165	EA		2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	46.33 4.48	7.47
23 05 29 00-0166	EA		3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	48.68 4.78	7.80
23 05 29 00-0167	EA		3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	50.44 5.02	8.36
23 05 29 00-0168	EA		4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	66.76 5.57	9.48
23 05 29 00-0169	EA		5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	76.62 6.12	10.20
23 05 29 00-0170	EA		6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	90.98 6.69	11.15
23 05 29 00-0171	EA		8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	133.13 8.36	13.94
23 05 29 00-0172	EA		10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	162.92 11.15	18.95
23 05 29 00-0173	EA		12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	189.91 12.54	20.91
23 05 29 00-0174	EA		14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	283.51 14.38	23.97
23 05 29 00-0175			Pipe And Riser Clamps <small>(23 05 29 00-0001)</small>		
23 05 29 00-0176			Steel Pipe Clamp (Cooper B-Line B3140) <small>(23 05 29 00-0175)</small> Note: Type 4.		
23 05 29 00-0177	EA		1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	10.31 1.62	2.69
23 05 29 00-0178	EA		3/4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	10.40 1.64	2.74
23 05 29 00-0179	EA		1" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	10.53 1.67	2.78
23 05 29 00-0180	EA		1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	12.12 1.70	2.83
23 05 29 00-0181	EA		1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	12.21 1.73	2.87
23 05 29 00-0182	EA		2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	13.44 1.76	2.92
23 05 29 00-0183	EA		2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	14.06 1.81	3.01
23 05 29 00-0184	EA		3" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	15.18 1.86	3.10
23 05 29 00-0185	EA		3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	18.98 1.89	3.14



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0186	EA		4" Steel Pipe Clamp (Cooper B-Line B3140).....	20.77	4.04
			<i>For Work In Restricted Working Space, Add</i>	2.42	
23 05 29 00-0187	EA		5" Steel Pipe Clamp (Cooper B-Line B3140).....	31.06	5.39
			<i>For Work In Restricted Working Space, Add</i>	3.23	
23 05 29 00-0188	EA		6" Steel Pipe Clamp (Cooper B-Line B3140).....	44.56	6.74
			<i>For Work In Restricted Working Space, Add</i>	4.04	
23 05 29 00-0189	EA		8" Steel Pipe Clamp (Cooper B-Line B3140).....	52.67	7.86
			<i>For Work In Restricted Working Space, Add</i>	4.72	
23 05 29 00-0190	EA		10" Steel Pipe Clamp (Cooper B-Line B3140).....	84.59	8.99
			<i>For Work In Restricted Working Space, Add</i>	5.39	
23 05 29 00-0191	EA		12" Steel Pipe Clamp (Cooper B-Line B3140).....	122.80	9.89
			<i>For Work In Restricted Working Space, Add</i>	5.93	
23 05 29 00-0192	EA		14" Steel Pipe Clamp (Cooper B-Line B3140).....	214.96	10.78
			<i>For Work In Restricted Working Space, Add</i>	6.47	
23 05 29 00-0193	EA		16" Steel Pipe Clamp (Cooper B-Line B3140).....	233.01	11.68
			<i>For Work In Restricted Working Space, Add</i>	7.01	
23 05 29 00-0194	EA		18" Steel Pipe Clamp (Cooper B-Line B3140).....	398.65	12.58
			<i>For Work In Restricted Working Space, Add</i>	7.55	
23 05 29 00-0195	EA		20" Steel Pipe Clamp (Cooper B-Line B3140).....	464.36	13.47
			<i>For Work In Restricted Working Space, Add</i>	8.09	
23 05 29 00-0196	EA		24" Steel Pipe Clamp (Cooper B-Line B3140).....	613.81	14.82
			<i>For Work In Restricted Working Space, Add</i>	8.90	
23 05 29 00-0197			Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) (23 05 29 00-0175)		
23 05 29 00-0198	EA		3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	29.40	2.91
			<i>For Work In Restricted Working Space, Add</i>	1.73	
23 05 29 00-0199	EA		4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	41.53	2.91
			<i>For Work In Restricted Working Space, Add</i>	1.73	
23 05 29 00-0200	EA		5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	46.10	3.02
			<i>For Work In Restricted Working Space, Add</i>	1.81	
23 05 29 00-0201	EA		6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	78.98	3.12
			<i>For Work In Restricted Working Space, Add</i>	1.88	
23 05 29 00-0202	EA		8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	86.23	3.33
			<i>For Work In Restricted Working Space, Add</i>	2.00	
23 05 29 00-0203	EA		10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	155.27	3.33
			<i>For Work In Restricted Working Space, Add</i>	1.99	
23 05 29 00-0204	EA		12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	256.50	3.75
			<i>For Work In Restricted Working Space, Add</i>	2.25	
23 05 29 00-0205	EA		14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	327.28	4.16
			<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0206	EA		16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	354.38	4.99
			<i>For Work In Restricted Working Space, Add</i>	3.00	
23 05 29 00-0207	EA		18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,132.99	5.83
			<i>For Work In Restricted Working Space, Add</i>	3.50	
23 05 29 00-0208	EA		20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,303.78	6.24
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 05 29 00-0209	EA		24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,674.27	6.66
			<i>For Work In Restricted Working Space, Add</i>	3.99	
23 05 29 00-0210			Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0175)		
			Note: Type 8.		
23 05 29 00-0211	EA		1/2" Steel Riser Clamp (Cooper B-Line B3373).....	11.15	2.49
			<i>For Work In Restricted Working Space, Add</i>	1.50	
23 05 29 00-0212	EA		3/4" Steel Riser Clamp (Cooper B-Line B3373).....	11.80	2.54
			<i>For Work In Restricted Working Space, Add</i>	1.52	
23 05 29 00-0213	EA		1" Steel Riser Clamp (Cooper B-Line B3373).....	11.96	2.58
			<i>For Work In Restricted Working Space, Add</i>	1.55	
23 05 29 00-0214	EA		1-1/4" Steel Riser Clamp (Cooper B-Line B3373).....	13.47	2.62
			<i>For Work In Restricted Working Space, Add</i>	1.57	
23 05 29 00-0215	EA		1-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	14.20	2.66
			<i>For Work In Restricted Working Space, Add</i>	1.60	
23 05 29 00-0216	EA		2" Steel Riser Clamp (Cooper B-Line B3373).....	14.61	2.71
			<i>For Work In Restricted Working Space, Add</i>	1.62	
23 05 29 00-0217	EA		2-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	15.33	2.79
			<i>For Work In Restricted Working Space, Add</i>	1.67	
23 05 29 00-0218	EA		3" Steel Riser Clamp (Cooper B-Line B3373).....	16.52	2.87
			<i>For Work In Restricted Working Space, Add</i>	1.72	
23 05 29 00-0219	EA		3-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	18.94	2.91
			<i>For Work In Restricted Working Space, Add</i>	1.75	
23 05 29 00-0220	EA		4" Steel Riser Clamp (Cooper B-Line B3373).....	22.33	3.75
			<i>For Work In Restricted Working Space, Add</i>	2.25	
23 05 29 00-0221	EA		5" Steel Riser Clamp (Cooper B-Line B3373).....	28.39	4.99
			<i>For Work In Restricted Working Space, Add</i>	3.00	
23 05 29 00-0222	EA		6" Steel Riser Clamp (Cooper B-Line B3373).....	36.29	6.24
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 05 29 00-0223	EA		8" Steel Riser Clamp (Cooper B-Line B3373).....	53.54	7.28
			<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 29 00-0224	EA		10" Steel Riser Clamp (Cooper B-Line B3373).....	74.33	8.32
			<i>For Work In Restricted Working Space, Add</i>	5.00	
23 05 29 00-0225	EA		12" Steel Riser Clamp (Cooper B-Line B3373).....	92.81	9.16
			<i>For Work In Restricted Working Space, Add</i>	5.49	
23 05 29 00-0226	EA		14" Steel Riser Clamp (Cooper B-Line B3373).....	132.07	9.99
			<i>For Work In Restricted Working Space, Add</i>	5.99	
23 05 29 00-0227	EA		16" Steel Riser Clamp (Cooper B-Line B3373).....	277.52	10.82
			<i>For Work In Restricted Working Space, Add</i>	6.49	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0228			Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0175)		
23 05 29 00-0229	EA		1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....25.79	2.49	
			<i>For Work In Restricted Working Space, Add</i>	1.50	
23 05 29 00-0230	EA		3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....26.18	2.54	
			<i>For Work In Restricted Working Space, Add</i>	1.52	
23 05 29 00-0231	EA		1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....27.47	2.58	
			<i>For Work In Restricted Working Space, Add</i>	1.55	
23 05 29 00-0232	EA		1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....29.80	2.62	
			<i>For Work In Restricted Working Space, Add</i>	1.57	
23 05 29 00-0233	EA		1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....34.62	2.66	
			<i>For Work In Restricted Working Space, Add</i>	1.60	
23 05 29 00-0234	EA		2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....37.18	2.71	
			<i>For Work In Restricted Working Space, Add</i>	1.62	
23 05 29 00-0235	EA		2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....40.68	2.79	
			<i>For Work In Restricted Working Space, Add</i>	1.67	
23 05 29 00-0236	EA		3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....45.32	2.87	
			<i>For Work In Restricted Working Space, Add</i>	1.72	
23 05 29 00-0237	EA		4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) .....61.83	3.75	
			<i>For Work In Restricted Working Space, Add</i>	2.25	
23 05 29 00-0238			Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0175)		
			Note: Type 42		
23 05 29 00-0239	EA		4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....66.84	2.91	
			<i>For Work In Restricted Working Space, Add</i>	1.73	
23 05 29 00-0240	EA		6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....70.72	3.12	
			<i>For Work In Restricted Working Space, Add</i>	1.88	
23 05 29 00-0241	EA		8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....78.05	3.33	
			<i>For Work In Restricted Working Space, Add</i>	2.00	
23 05 29 00-0242	EA		10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....84.07	3.33	
			<i>For Work In Restricted Working Space, Add</i>	1.99	
23 05 29 00-0243	EA		12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....102.59	3.75	
			<i>For Work In Restricted Working Space, Add</i>	2.25	
23 05 29 00-0244	EA		14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....342.67	4.16	
			<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0245	EA		16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....460.95	4.99	
			<i>For Work In Restricted Working Space, Add</i>	3.00	
23 05 29 00-0246	EA		18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....549.66	5.83	
			<i>For Work In Restricted Working Space, Add</i>	3.50	
23 05 29 00-0247	EA		20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....807.96	6.24	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 05 29 00-0248	EA		24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) .....1,119.86	6.66	
			<i>For Work In Restricted Working Space, Add</i>	3.99	
23 05 29 00-0249			Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0175)		
23 05 29 00-0250	EA		4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....60.98	2.91	
			<i>For Work In Restricted Working Space, Add</i>	1.73	
23 05 29 00-0251	EA		6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....65.69	3.12	
			<i>For Work In Restricted Working Space, Add</i>	1.88	
23 05 29 00-0252	EA		8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....121.78	3.33	
			<i>For Work In Restricted Working Space, Add</i>	2.00	
23 05 29 00-0253	EA		10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....136.64	3.33	
			<i>For Work In Restricted Working Space, Add</i>	1.99	
23 05 29 00-0254	EA		12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....199.53	3.75	
			<i>For Work In Restricted Working Space, Add</i>	2.25	
23 05 29 00-0255	EA		14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....311.03	4.16	
			<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0256	EA		16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....419.12	4.99	
			<i>For Work In Restricted Working Space, Add</i>	3.00	
23 05 29 00-0257	EA		18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....499.22	5.83	
			<i>For Work In Restricted Working Space, Add</i>	3.50	
23 05 29 00-0258	EA		20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....737.12	6.24	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 05 29 00-0259	EA		24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) .....1,015.01	6.66	
			<i>For Work In Restricted Working Space, Add</i>	3.99	
23 05 29 00-0260			Split Pipe Clamps And Rings (23 05 29 00-0001)		
23 05 29 00-0261			Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0260)		
			Note: Type 6.		
23 05 29 00-0262	EA		3/4" Adjustable Swivel Ring (Cooper B-Line B3171) .....19.47	3.82	
			<i>For Work In Restricted Working Space, Add</i>	2.29	
23 05 29 00-0263	EA		1" Adjustable Swivel Ring (Cooper B-Line B3171) .....20.62	4.04	
			<i>For Work In Restricted Working Space, Add</i>	2.42	
23 05 29 00-0264	EA		1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171) .....22.13	4.49	
			<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0265	EA		1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) .....24.23	4.72	
			<i>For Work In Restricted Working Space, Add</i>	2.83	
23 05 29 00-0266	EA		2" Adjustable Swivel Ring (Cooper B-Line B3171) .....26.68	4.94	
			<i>For Work In Restricted Working Space, Add</i>	2.97	
23 05 29 00-0267	EA		2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) .....35.91	5.17	
			<i>For Work In Restricted Working Space, Add</i>	3.10	
23 05 29 00-0268	EA		3" Adjustable Swivel Ring (Cooper B-Line B3171) .....40.30	5.39	
			<i>For Work In Restricted Working Space, Add</i>	3.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0269 EA 4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	57.16 3.64	6.07
23 05 29 00-0270 EA 5" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	72.92 4.58	7.64
23 05 29 00-0271 EA 6" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	101.41 5.39	8.99
23 05 29 00-0272 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0260) Note: Type 11.		
23 05 29 00-0273 EA 1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	10.29 1.94	3.16
23 05 29 00-0274 EA 3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	10.95 2.02	3.16
23 05 29 00-0275 EA 1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	11.89 2.26	4.07
23 05 29 00-0276 EA 1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	13.34 2.38	4.07
23 05 29 00-0277 EA 1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	15.92 2.47	4.07
23 05 29 00-0278 EA 2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	19.52 2.71	4.51
23 05 29 00-0279 EA 2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	30.33 2.82	4.51
23 05 29 00-0280 EA 3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	34.75 2.95	4.97
23 05 29 00-0281 EA 4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	36.52 3.23	5.43
23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0280) Note: Type 12.		
23 05 29 00-0283 EA 1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	10.29 1.94	3.16
23 05 29 00-0284 EA 3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	10.95 2.02	3.39
23 05 29 00-0285 EA 1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	11.89 2.26	3.84
23 05 29 00-0286 EA 1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	13.34 2.38	4.07
23 05 29 00-0287 EA 1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	15.92 2.47	4.07
23 05 29 00-0288 EA 2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	19.52 2.71	4.51
23 05 29 00-0289 EA 2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	30.33 2.82	4.75
23 05 29 00-0290 EA 3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	34.75 2.95	4.97
23 05 29 00-0291 Pipe Straps (23 05 29 00-0001)		
23 05 29 00-0292 Standard Two Hole Pipe Strap, Steel (Cooper B-Line B-3180) (23 05 29 00-0291) Note: Type 26.		
23 05 29 00-0293 EA 1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180) <i>For Work In Restricted Working Space, Add</i>	8.21 1.35	2.26
23 05 29 00-0294 EA 3/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180) <i>For Work In Restricted Working Space, Add</i>	8.68 1.43	2.71
23 05 29 00-0295 EA 1" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180) <i>For Work In Restricted Working Space, Add</i>	9.03 1.51	2.71
23 05 29 00-0296 EA 1-1/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180) <i>For Work In Restricted Working Space, Add</i>	9.47 1.59	2.71
23 05 29 00-0297 EA 1-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180) <i>For Work In Restricted Working Space, Add</i>	9.94 1.70	3.16
23 05 29 00-0298 EA 2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180) <i>For Work In Restricted Working Space, Add</i>	10.65 1.81	3.16
23 05 29 00-0299 EA 2-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180) <i>For Work In Restricted Working Space, Add</i>	19.35 1.94	3.16
23 05 29 00-0300 EA 3" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180) <i>For Work In Restricted Working Space, Add</i>	21.58 2.09	3.16
23 05 29 00-0301 EA 4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180) <i>For Work In Restricted Working Space, Add</i>	25.72 2.44	4.07
23 05 29 00-0302 EA 6" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180) <i>For Work In Restricted Working Space, Add</i>	33.29 2.71	4.51
23 05 29 00-0303 EA 8" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180) <i>For Work In Restricted Working Space, Add</i>	38.90 2.98	4.97
23 05 29 00-0304 2-Hole Copper Straps (23 05 29 00-0291)		
23 05 29 00-0305 EA 1/2" 2-Hole Copper Straps..... <i>For Work In Restricted Working Space, Add</i>	2.51 0.68	
23 05 29 00-0306 EA 3/4" 2-Hole Copper Straps..... <i>For Work In Restricted Working Space, Add</i>	2.78 0.71	
23 05 29 00-0307 EA 1" 2-Hole Copper Straps..... <i>For Work In Restricted Working Space, Add</i>	1.50 0.31	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0308	Black Malleable Iron Clamps, 1 Hole (23 05 29 00-0291)		
23 05 29 00-0309	EA 1/2" Galvanized Steel Strap, 1 Hole.....	1.57	
	<i>For Work In Restricted Working Space, Add</i>	0.23	
23 05 29 00-0310	EA 3/4" Galvanized Steel Strap, 1 Hole.....	1.77	
	<i>For Work In Restricted Working Space, Add</i>	0.24	
23 05 29 00-0311	EA 1" Galvanized Steel Strap, 1 Hole.....	2.34	
	<i>For Work In Restricted Working Space, Add</i>	0.26	
23 05 29 00-0312	EA 1-1/4" Galvanized Steel Strap, 1 Hole.....	2.78	
	<i>For Work In Restricted Working Space, Add</i>	0.28	
23 05 29 00-0313	EA 1-1/2" Galvanized Steel Strap, 1 Hole.....	3.20	
	<i>For Work In Restricted Working Space, Add</i>	0.31	
23 05 29 00-0314	EA 2" Galvanized Steel Strap, 1 Hole.....	4.59	
	<i>For Work In Restricted Working Space, Add</i>	0.34	
23 05 29 00-0315	Pipe and Equipment Support Brackets (23 05 29 00-0001)		
23 05 29 00-0316	Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) (23 05 29 00-0315)		
	Note: Up to 750# load.		
23 05 29 00-0317	EA 9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	111.50	4.99
	<i>For Galvanized, Add</i>	20.30	
	<i>For Work In Restricted Working Space, Add</i>	3.00	
23 05 29 00-0318	EA 13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	113.36	4.99
	<i>For Galvanized, Add</i>	20.67	
	<i>For Work In Restricted Working Space, Add</i>	3.00	
23 05 29 00-0319	EA 19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	120.70	4.99
	<i>For Galvanized, Add</i>	22.14	
	<i>For Work In Restricted Working Space, Add</i>	3.00	
23 05 29 00-0320	Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) (23 05 29 00-0315)		
	Note: Up to 1500# load.		
23 05 29 00-0321	EA 12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	290.87	4.99
	<i>For Galvanized, Add</i>	56.18	
	<i>For Work In Restricted Working Space, Add</i>	3.00	
23 05 29 00-0322	EA 18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	343.67	4.99
	<i>For Galvanized, Add</i>	66.74	
	<i>For Work In Restricted Working Space, Add</i>	3.00	
23 05 29 00-0323	EA 24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	451.34	4.99
	<i>For Galvanized, Add</i>	88.27	
	<i>For Work In Restricted Working Space, Add</i>	3.00	
23 05 29 00-0324	Pipe Alignment Guide (23 05 29 00-0001)		
23 05 29 00-0325	Pipe Alignment Guide, 1" Insulation (23 05 29 00-0324)		
23 05 29 00-0326	EA 1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	226.66	7.90
23 05 29 00-0327	EA 3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	227.07	8.12
23 05 29 00-0328	EA 1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1).....	227.49	8.32
23 05 29 00-0329	EA 1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	227.90	8.53
23 05 29 00-0330	EA 1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	248.85	8.73
23 05 29 00-0331	EA 2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	253.71	9.57
23 05 29 00-0332	EA 2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	254.34	9.88
23 05 29 00-0333	EA 3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	254.95	10.19
23 05 29 00-0334	EA 4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	269.83	10.82
23 05 29 00-0335	EA 5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	314.33	13.73
23 05 29 00-0336	EA 6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	320.15	16.65
23 05 29 00-0337	EA 8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	360.21	20.81
23 05 29 00-0338	EA 10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	670.12	24.96
23 05 29 00-0339	EA 12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	1,021.28	33.29
23 05 29 00-0340	EA 14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	1,256.56	41.61
23 05 29 00-0341	EA 16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	1,512.98	46.61
23 05 29 00-0342	EA 18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	1,631.35	52.02
23 05 29 00-0343	EA 20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	1,732.46	59.50
23 05 29 00-0344	EA 24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	2,186.64	62.42
23 05 29 00-0345	Pipe Alignment Guide, 1-1/2" Insulation (23 05 29 00-0324)		
23 05 29 00-0346	EA 1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	227.07	8.12
23 05 29 00-0347	EA 3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	248.02	8.32
23 05 29 00-0348	EA 1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	248.43	8.53
23 05 29 00-0349	EA 1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	248.85	8.73
23 05 29 00-0350	EA 1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	249.26	8.95
23 05 29 00-0351	EA 2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	254.12	9.78
23 05 29 00-0352	EA 2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	254.75	10.09
23 05 29 00-0353	EA 3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	269.00	10.41
23 05 29 00-0354	EA 4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	270.25	11.02
23 05 29 00-0355	EA 5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	314.94	14.04
23 05 29 00-0356	EA 6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	320.98	17.06
23 05 29 00-0357	EA 8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	361.25	21.33
23 05 29 00-0358	EA 10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	671.37	25.59
23 05 29 00-0359	EA 12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	1,022.96	34.12
23 05 29 00-0360	EA 14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14).....	1,258.64	42.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0361 EA 16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	1,515.47	47.85
23 05 29 00-0362 EA 18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	1,633.84	53.26
23 05 29 00-0363 EA 20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	1,735.37	60.96
23 05 29 00-0364 EA 24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	2,189.76	63.98
23 05 29 00-0365 Pipe Alignment Guide, 2" Insulation (23 05 29 00-0324)		
23 05 29 00-0366 EA 1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	248.02	8.32
23 05 29 00-0367 EA 3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	251.63	8.53
23 05 29 00-0368 EA 1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	252.05	8.73
23 05 29 00-0369 EA 1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	252.46	8.95
23 05 29 00-0370 EA 1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	252.88	9.16
23 05 29 00-0371 EA 2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	268.16	9.99
23 05 29 00-0372 EA 2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	269.00	10.41
23 05 29 00-0373 EA 3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	269.52	10.66
23 05 29 00-0374 EA 4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	309.33	11.24
23 05 29 00-0375 EA 5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	315.57	14.36
23 05 29 00-0376 EA 6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	353.55	17.48
23 05 29 00-0377 EA 8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	397.45	21.84
23 05 29 00-0378 EA 10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	672.62	26.21
23 05 29 00-0379 EA 12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	1,024.62	34.95
23 05 29 00-0380 EA 14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	1,260.72	43.69
23 05 29 00-0381 EA 16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	1,517.87	49.06
23 05 29 00-0382 EA 18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	1,636.55	54.61
23 05 29 00-0383 EA 20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	1,738.28	62.42
23 05 29 00-0384 EA 24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	2,192.88	65.54
23 05 29 00-0385 Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0324)		
23 05 29 00-0386 EA 1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	251.63	8.53
23 05 29 00-0387 EA 3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	265.67	8.73
23 05 29 00-0388 EA 1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	266.08	8.95
23 05 29 00-0389 EA 1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	266.50	9.16
23 05 29 00-0390 EA 1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	266.91	9.36
23 05 29 00-0391 EA 2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	268.57	10.19
23 05 29 00-0392 EA 2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	269.52	10.66
23 05 29 00-0393 EA 3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	308.70	10.92
23 05 29 00-0394 EA 4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	309.75	11.44
23 05 29 00-0395 EA 5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	347.73	14.56
23 05 29 00-0396 EA 6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	354.38	17.89
23 05 29 00-0397 EA 8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	664.92	22.37
23 05 29 00-0398 EA 10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	1,008.39	26.84
23 05 29 00-0399 EA 12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	1,244.91	35.78
23 05 29 00-0400 EA 14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	1,263.02	44.73
23 05 29 00-0401 EA 16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	1,520.47	50.35
23 05 29 00-0402 EA 18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	1,639.25	55.97
23 05 29 00-0403 EA 20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	1,741.40	63.98
23 05 29 00-0404 EA 24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	2,196.22	67.20
23 05 29 00-0405 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0324)		
23 05 29 00-0406 EA 1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	265.67	8.73
23 05 29 00-0407 EA 3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	266.08	8.95
23 05 29 00-0408 EA 1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	266.50	9.16
23 05 29 00-0409 EA 1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	266.91	9.36
23 05 29 00-0410 EA 1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	267.33	9.57
23 05 29 00-0411 EA 2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	307.67	10.41
23 05 29 00-0412 EA 2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	308.70	10.92
23 05 29 00-0413 EA 3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	309.33	11.24
23 05 29 00-0414 EA 4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	342.06	11.73
23 05 29 00-0415 EA 5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	348.56	14.98
23 05 29 00-0416 EA 6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	390.38	18.31
23 05 29 00-0417 EA 8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	665.96	22.89
23 05 29 00-0418 EA 10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	1,009.63	27.47
23 05 29 00-0419 EA 12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	1,246.57	36.62
23 05 29 00-0420 EA 14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	1,265.11	45.77
23 05 29 00-0421 EA 16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	1,522.96	51.60
23 05 29 00-0422 EA 18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	1,641.75	57.21
23 05 29 00-0423 EA 20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	1,744.52	65.54
23 05 29 00-0424 EA 24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	2,199.54	68.86
23 05 29 00-0425 Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0324)		
23 05 29 00-0426 EA 1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	266.08	8.95
23 05 29 00-0427 EA 3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	305.17	9.16
23 05 29 00-0428 EA 1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	305.58	9.36
23 05 29 00-0429 EA 1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	306.00	9.57
23 05 29 00-0430 EA 1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	306.41	9.78
23 05 29 00-0431 EA 2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	308.19	10.66
23 05 29 00-0432 EA 2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	309.25	11.20
23 05 29 00-0433 EA 3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	341.63	11.52
23 05 29 00-0434 EA 4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	342.73	12.07
23 05 29 00-0435 EA 5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	384.55	15.40
23 05 29 00-0436 EA 6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	657.64	18.72

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0437	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8).....	1,001.52	23.40
23 05 29 00-0438	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10).....	1,229.86	28.15
23 05 29 00-0439	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12).....	1,494.67	37.45
23 05 29 00-0440	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14).....	1,513.60	46.92
23 05 29 00-0441	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16).....	1,638.08	52.85
23 05 29 00-0442	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18).....	1,730.79	58.67
23 05 29 00-0443	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20).....	2,195.80	66.99

23 05 29 00-0444 Pipe Alignment Guide, 4" Insulation (23 05 29 00-0324)

23 05 29 00-0445	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2).....	305.17	9.16
23 05 29 00-0446	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4).....	305.58	9.36
23 05 29 00-0447	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1).....	306.00	9.57
23 05 29 00-0448	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4).....	306.41	9.78
23 05 29 00-0449	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2).....	306.83	9.99
23 05 29 00-0450	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2).....	340.44	10.92
23 05 29 00-0451	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2).....	341.49	11.44
23 05 29 00-0452	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3).....	342.20	11.79
23 05 29 00-0453	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4).....	378.52	12.38
23 05 29 00-0454	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5).....	651.81	15.82
23 05 29 00-0455	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6).....	658.47	19.14
23 05 29 00-0456	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8).....	1,002.56	23.93
23 05 29 00-0457	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10).....	1,231.40	28.92
23 05 29 00-0458	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12).....	1,496.55	38.39
23 05 29 00-0459	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14).....	1,623.02	47.85
23 05 29 00-0460	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16).....	1,721.63	54.09
23 05 29 00-0461	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18).....	2,182.48	60.33

23 05 29 00-0462 Sway Bracing For No Hub Pipe (23 05 29 00-0001)

23 05 29 00-0463	EA	1-1/2" Sway Bracing.....	77.85	5.49
		<i>For Work In Restricted Working Space, Add</i>	3.29	
23 05 29 00-0464	EA	2" Sway Bracing.....	80.06	5.79
		<i>For Work In Restricted Working Space, Add</i>	3.47	
23 05 29 00-0465	EA	3" Sway Bracing.....	82.77	6.12
		<i>For Work In Restricted Working Space, Add</i>	3.67	
23 05 29 00-0466	EA	4" Sway Bracing.....	93.96	6.95
		<i>For Work In Restricted Working Space, Add</i>	4.16	
23 05 29 00-0467	EA	6" Sway Bracing.....	137.60	10.41
		<i>For Work In Restricted Working Space, Add</i>	6.24	
23 05 29 00-0468	EA	8" Sway Bracing.....	150.73	12.98
		<i>For Work In Restricted Working Space, Add</i>	7.80	
23 05 29 00-0469	EA	10" Sway Bracing.....	166.86	17.36
		<i>For Work In Restricted Working Space, Add</i>	10.40	

23 05 29 00-0470 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)

Note: Heights listed is total for base and adjustable saddle

23 05 29 00-0471	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	119.93	4.16
		<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0472	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	122.32	4.58
		<i>For Work In Restricted Working Space, Add</i>	2.75	
23 05 29 00-0473	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	222.07	5.20
		<i>For Work In Restricted Working Space, Add</i>	3.12	
23 05 29 00-0474	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	280.76	5.83
		<i>For Work In Restricted Working Space, Add</i>	3.50	
23 05 29 00-0475	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	284.14	6.45
		<i>For Work In Restricted Working Space, Add</i>	3.87	
23 05 29 00-0476	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	309.24	7.28
		<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 29 00-0477	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	373.43	7.90
		<i>For Work In Restricted Working Space, Add</i>	4.75	
23 05 29 00-0478	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	377.48	8.53
		<i>For Work In Restricted Working Space, Add</i>	5.12	
23 05 29 00-0479	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	382.68	9.36
		<i>For Work In Restricted Working Space, Add</i>	5.62	
23 05 29 00-0480	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	396.83	10.19
		<i>For Work In Restricted Working Space, Add</i>	6.11	
23 05 29 00-0481	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	422.08	11.24
		<i>For Work In Restricted Working Space, Add</i>	6.74	
23 05 29 00-0482	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	433.67	12.48
		<i>For Work In Restricted Working Space, Add</i>	7.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0483 EA 32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	530.10	13.73
For Work In Restricted Working Space, Add	8.24	
23 05 29 00-0484 EA 33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	573.29	15.40
For Work In Restricted Working Space, Add	9.24	
23 05 29 00-0485 EA 35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	819.69	17.06
For Work In Restricted Working Space, Add	10.24	
23 05 29 00-0486 EA 36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	988.14	18.72
For Work In Restricted Working Space, Add	11.24	
23 05 29 00-0487 EA 39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,167.37	20.38
For Work In Restricted Working Space, Add	12.23	
23 05 29 00-0488 Rooftop Pipe Supports (23 05 29 00-0001)		
Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0489 Rooftop Support Base (23 05 29 00-0488)		
23 05 29 00-0490 EA 4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM).....	24.30	3.39
23 05 29 00-0491 EA 4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....	34.32	4.51
23 05 29 00-0492 Rooftop Support Base With 14 Gauge Galvanized Channel (23 05 29 00-0488)		
23 05 29 00-0493 EA 5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5).....	28.67	3.39
23 05 29 00-0494 EA 5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10).....	41.41	4.51
23 05 29 00-0495 EA 5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20).....	82.59	5.65
23 05 29 00-0496 EA 5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30).....	116.48	6.78
23 05 29 00-0497 EA 5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40).....	164.67	7.91
23 05 29 00-0498 EA 5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48).....	172.08	9.04
23 05 29 00-0499 Rooftop Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0488)		
23 05 29 00-0500 EA 6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610).....	52.99	4.51
23 05 29 00-0501 EA 6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620).....	87.76	5.65
23 05 29 00-0502 EA 6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630).....	118.55	6.78
23 05 29 00-0503 EA 6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640).....	164.79	7.91
23 05 29 00-0504 EA 6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648).....	190.20	6.78
23 05 29 00-0505 Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0488)		
23 05 29 00-0506 EA 5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28).....	90.55	6.78
23 05 29 00-0507 EA 5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36).....	102.70	7.91
23 05 29 00-0508 EA 5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42).....	104.92	9.04
23 05 29 00-0509 EA 5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50).....	114.22	10.16
23 05 29 00-0510 EA 5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60).....	150.08	11.30
23 05 29 00-0511 Rooftop Pipe Support Base And Rod (23 05 29 00-0488)		
23 05 29 00-0512 EA 9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT).....	66.71	4.51
23 05 29 00-0513 EA 9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT).....	66.71	4.51
23 05 29 00-0514 EA 9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT).....	67.14	4.51
23 05 29 00-0515 EA 10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT).....	69.85	5.65
23 05 29 00-0516 EA 10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT).....	66.68	5.65
23 05 29 00-0517 EA 10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT).....	70.74	5.65
23 05 29 00-0518 Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (23 05 29 00-0488)		
23 05 29 00-0519 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2).....	87.47	4.51
23 05 29 00-0520 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6).....	98.85	4.51
23 05 29 00-0521 EA 8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10).....	130.20	5.65
23 05 29 00-0522 EA 9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14).....	176.72	5.65
23 05 29 00-0523 EA 9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20).....	245.81	5.65
23 05 29 00-0524 Rooftop Support Base And Adjustable Height Roller Assembly (23 05 29 00-0488)		
Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0525 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12).....	106.32	6.78
23 05 29 00-0526 Rooftop Support Base And Adjustable Height Channel Assembly (23 05 29 00-0488)		
Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0527	EA		Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8).....	66.89	5.65
23 05 29 00-0528	EA		Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12).....	93.31	6.78
23 05 29 00-0529	EA		Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16).....	103.23	7.91
23 05 29 00-0530			Rooftop Support Bases With Channel Support And Risers Assembly (23 05 29 00-0488) Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0531	EA		23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS).....	272.82	9.04
23 05 29 00-0532	EA		29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS).....	276.10	9.04
23 05 29 00-0533	EA		41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS).....	287.59	9.04
23 05 29 00-0534	EA		53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS).....	313.95	9.04
23 05 29 00-0535	EA		23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS).....	266.98	9.04
23 05 29 00-0536	EA		29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS).....	277.97	9.04
23 05 29 00-0537	EA		41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS).....	289.46	9.04
23 05 29 00-0538	EA		53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS).....	315.81	9.04
23 05 29 00-0539	EA		23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS).....	280.04	9.04
23 05 29 00-0540	EA		29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS).....	283.88	9.04
23 05 29 00-0541	EA		41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS).....	295.14	9.04
23 05 29 00-0542	EA		53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS).....	321.61	9.04
23 05 29 00-0543	EA		23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS).....	293.39	9.04
23 05 29 00-0544	EA		29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS).....	296.89	9.04
23 05 29 00-0545	EA		41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS).....	308.15	9.04
23 05 29 00-0546	EA		53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS).....	334.62	9.04
23 05 29 00-0547			Threaded Rod, Accessories And Attachments (23 05 29)		
23 05 29 00-0548			Threaded Rod And Rod Accessories (23 05 29 00-0547)		
23 05 29 00-0549			Threaded Rod (23 05 29 00-0548) Note: Fully threaded.		
23 05 29 00-0550	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	1.95	0.28
			For Galvanized, Add	0.55	
			For Zinc Plated, Add	0.39	
			For Work In Restricted Working Space, Add	0.17	
23 05 29 00-0551	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	2.79	0.30
			For Galvanized, Add	0.88	
			For Zinc Plated, Add	0.62	
			For Work In Restricted Working Space, Add	0.18	
23 05 29 00-0552	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	4.16	0.38
			For Galvanized, Add	1.36	
			For Zinc Plated, Add	0.97	
			For Work In Restricted Working Space, Add	0.23	
23 05 29 00-0553	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	6.95	0.39
			For Galvanized, Add	2.46	
			For Zinc Plated, Add	1.76	
			For Work In Restricted Working Space, Add	0.24	
23 05 29 00-0554	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	7.59	0.41
			For Galvanized, Add	2.71	
			For Zinc Plated, Add	1.93	
			For Work In Restricted Working Space, Add	0.25	
23 05 29 00-0555	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	10.43	0.46
			For Galvanized, Add	3.80	
			For Zinc Plated, Add	2.71	
			For Work In Restricted Working Space, Add	0.28	
23 05 29 00-0556	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	13.01	0.52
			For Galvanized, Add	4.79	
			For Zinc Plated, Add	3.41	
			For Work In Restricted Working Space, Add	0.31	
23 05 29 00-0557			Rod Couplings (23 05 29 00-0548)		
23 05 29 00-0558	EA		3/8" Diameter, Threaded Rod Coupling Nut.....	3.74	
			For Work In Restricted Working Space, Add	0.83	
23 05 29 00-0559	EA		1/2" Diameter, Threaded Rod Coupling Nut.....	4.28	
			For Work In Restricted Working Space, Add	0.92	
23 05 29 00-0560	EA		5/8" Diameter, Threaded Rod Coupling Nut.....	6.40	
			For Work In Restricted Working Space, Add	1.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0561	EA		3/4" Diameter, Threaded Rod Coupling Nut <i>For Work In Restricted Working Space, Add</i>	7.97 1.40	
23 05 29 00-0562	EA		7/8" Diameter, Threaded Rod Coupling Nut <i>For Work In Restricted Working Space, Add</i>	12.27 1.54	
23 05 29 00-0563	EA		1" Diameter, Threaded Rod Coupling Nut <i>For Work In Restricted Working Space, Add</i>	14.56 1.81	
23 05 29 00-0564	EA		1-1/8" Diameter, Threaded Rod Coupling Nut <i>For Work In Restricted Working Space, Add</i>	29.40 2.05	
23 05 29 00-0565			Flat Washers (23 05 29 00-0548) Note: Zinc plated.		
23 05 29 00-0566	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.33 0.02 0.08	0.11
23 05 29 00-0567	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.46 0.05 0.08	0.11
23 05 29 00-0568	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.71 0.09 0.11	0.14
23 05 29 00-0569	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.88 0.13 0.11	0.28
23 05 29 00-0570	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.01 0.15 0.12	0.28
23 05 29 00-0571	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.14 0.18 0.12	0.28
23 05 29 00-0572	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.35 0.21 0.16	0.28
23 05 29 00-0573			Hex Nuts (23 05 29 00-0548) Note: Grade 2 and zinc plated.		
23 05 29 00-0574	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.32 0.02 0.08	0.11
23 05 29 00-0575	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.49 0.04 0.10	0.14
23 05 29 00-0576	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.71 0.09 0.11	0.14
23 05 29 00-0577	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.85 0.12 0.11	0.28
23 05 29 00-0578	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.29 0.22 0.12	0.28
23 05 29 00-0579	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.66 0.30 0.14	0.28
23 05 29 00-0580	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	2.78 0.57 0.16	0.28
23 05 29 00-0581			Turnbuckle (Cooper B-Line B3202) (23 05 29 00-0548) Note: Type 13.		
23 05 29 00-0582	EA		3/8" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	21.03 1.35	2.26
23 05 29 00-0583	EA		1/2" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	25.56 1.51	2.48
23 05 29 00-0584	EA		5/8" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	28.45 2.09	3.34
23 05 29 00-0585	EA		3/4" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	36.72 2.39	3.90
23 05 29 00-0586	EA		7/8" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	48.72 2.79	4.18
23 05 29 00-0587	EA		1" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	60.92 3.35	4.46
23 05 29 00-0588	EA		1-1/8" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	86.29 4.18	5.01
23 05 29 00-0589			Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0548) Note: Type 15.		
23 05 29 00-0590	EA		3/8" Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	10.59 1.35	2.26
23 05 29 00-0591	EA		1/2" Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	12.61 1.51	2.53
23 05 29 00-0592	EA		5/8" Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	19.70 2.09	3.46
23 05 29 00-0593	EA		3/4" Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	24.33 2.39	3.96

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0594			Forged Steel Clevis (Cooper B-Line B3201) (23 05 29 00-0548) Note: Type 14.		
23 05 29 00-0595	EA		3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201)	81.25	4.16
			<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0596	EA		4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201)	125.66	4.37
			<i>For Work In Restricted Working Space, Add</i>	2.63	
23 05 29 00-0597	EA		5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201)	136.29	4.58
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 05 29 00-0598	EA		5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201)	141.65	4.99
			<i>For Work In Restricted Working Space, Add</i>	2.94	
23 05 29 00-0599	EA		5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201)	147.78	5.61
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 05 29 00-0600	EA		6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201)	252.74	7.28
			<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 29 00-0601	EA		5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201)	272.94	8.32
			<i>For Work In Restricted Working Space, Add</i>	5.00	
23 05 29 00-0602	EA		7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201)	319.80	10.41
			<i>For Work In Restricted Working Space, Add</i>	6.24	
23 05 29 00-0603			Welded Eye Rod (Cooper B-Line B3211) (23 05 29 00-0548)		
23 05 29 00-0604	EA		3/8" Diameter x 8" Length Shank, Welded Eye Rod	20.26	2.44
			<i>For Work In Restricted Working Space, Add</i>	1.47	
23 05 29 00-0605	EA		3/8" Diameter x 10" Length Shank, Welded Eye Rod	21.02	2.48
			<i>For Work In Restricted Working Space, Add</i>	1.50	
23 05 29 00-0606	EA		3/8" Diameter x 12" Length Shank, Welded Eye Rod	21.77	2.53
			<i>For Work In Restricted Working Space, Add</i>	1.52	
23 05 29 00-0607	EA		3/8" Diameter x 14" Length Shank, Welded Eye Rod	21.87	2.57
			<i>For Work In Restricted Working Space, Add</i>	1.55	
23 05 29 00-0608	EA		3/8" Diameter x 18" Length Shank, Welded Eye Rod	23.38	2.66
			<i>For Work In Restricted Working Space, Add</i>	1.61	
23 05 29 00-0609	EA		3/8" Diameter x 24" Length Shank, Welded Eye Rod	25.02	2.84
			<i>For Work In Restricted Working Space, Add</i>	1.70	
23 05 29 00-0610	EA		3/8" Diameter x 30" Length Shank, Welded Eye Rod	25.95	2.99
			<i>For Work In Restricted Working Space, Add</i>	1.78	
23 05 29 00-0611	EA		3/8" Diameter x 36" Length Shank, Welded Eye Rod	28.26	3.12
			<i>For Work In Restricted Working Space, Add</i>	1.87	
23 05 29 00-0612	EA		3/8" Diameter x 42" Length Shank, Welded Eye Rod	29.86	3.25
			<i>For Work In Restricted Working Space, Add</i>	1.95	
23 05 29 00-0613	EA		3/8" Diameter x 48" Length Shank, Welded Eye Rod	31.49	3.39
			<i>For Work In Restricted Working Space, Add</i>	2.03	
23 05 29 00-0614	EA		1/2" Diameter x 8" Length Shank, Welded Eye Rod	30.04	3.34
			<i>For Work In Restricted Working Space, Add</i>	2.00	
23 05 29 00-0615	EA		1/2" Diameter x 10" Length Shank, Welded Eye Rod	30.82	3.40
			<i>For Work In Restricted Working Space, Add</i>	2.04	
23 05 29 00-0616	EA		1/2" Diameter x 12" Length Shank, Welded Eye Rod	31.64	3.46
			<i>For Work In Restricted Working Space, Add</i>	2.08	
23 05 29 00-0617	EA		1/2" Diameter x 14" Length Shank, Welded Eye Rod	32.42	3.52
			<i>For Work In Restricted Working Space, Add</i>	2.12	
23 05 29 00-0618	EA		1/2" Diameter x 18" Length Shank, Welded Eye Rod	34.00	3.63
			<i>For Work In Restricted Working Space, Add</i>	2.19	
23 05 29 00-0619	EA		1/2" Diameter x 24" Length Shank, Welded Eye Rod	37.03	3.85
			<i>For Work In Restricted Working Space, Add</i>	2.30	
23 05 29 00-0620	EA		1/2" Diameter x 30" Length Shank, Welded Eye Rod	39.41	4.01
			<i>For Work In Restricted Working Space, Add</i>	2.41	
23 05 29 00-0621	EA		1/2" Diameter x 36" Length Shank, Welded Eye Rod	42.45	4.18
			<i>For Work In Restricted Working Space, Add</i>	2.52	
23 05 29 00-0622	EA		1/2" Diameter x 42" Length Shank, Welded Eye Rod	44.80	4.41
			<i>For Work In Restricted Working Space, Add</i>	2.63	
23 05 29 00-0623	EA		1/2" Diameter x 48" Length Shank, Welded Eye Rod	47.20	4.57
			<i>For Work In Restricted Working Space, Add</i>	2.75	
23 05 29 00-0624	EA		5/8" Diameter x 8" Length Shank, Welded Eye Rod	42.19	3.74
			<i>For Work In Restricted Working Space, Add</i>	2.24	
23 05 29 00-0625	EA		5/8" Diameter x 10" Length Shank, Welded Eye Rod	43.63	3.79
			<i>For Work In Restricted Working Space, Add</i>	2.28	
23 05 29 00-0626	EA		5/8" Diameter x 12" Length Shank, Welded Eye Rod	45.11	3.85
			<i>For Work In Restricted Working Space, Add</i>	2.32	
23 05 29 00-0627	EA		5/8" Diameter x 14" Length Shank, Welded Eye Rod	45.90	3.96
			<i>For Work In Restricted Working Space, Add</i>	2.36	
23 05 29 00-0628	EA		5/8" Diameter x 18" Length Shank, Welded Eye Rod	48.16	4.07
			<i>For Work In Restricted Working Space, Add</i>	2.44	
23 05 29 00-0629	EA		5/8" Diameter x 24" Length Shank, Welded Eye Rod	51.89	4.23
			<i>For Work In Restricted Working Space, Add</i>	2.55	
23 05 29 00-0630	EA		5/8" Diameter x 30" Length Shank, Welded Eye Rod	55.60	4.46
			<i>For Work In Restricted Working Space, Add</i>	2.67	
23 05 29 00-0631	EA		5/8" Diameter x 36" Length Shank, Welded Eye Rod	58.66	4.63
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 05 29 00-0632	EA		5/8" Diameter x 42" Length Shank, Welded Eye Rod	62.37	4.85
			<i>For Work In Restricted Working Space, Add</i>	2.90	
23 05 29 00-0633	EA		5/8" Diameter x 48" Length Shank, Welded Eye Rod	66.08	5.01
			<i>For Work In Restricted Working Space, Add</i>	3.01	
23 05 29 00-0634	EA		3/4" Diameter x 8" Length Shank, Welded Eye Rod	52.53	4.23
			<i>For Work In Restricted Working Space, Add</i>	2.55	
23 05 29 00-0635	EA		3/4" Diameter x 10" Length Shank, Welded Eye Rod	54.68	4.29
			<i>For Work In Restricted Working Space, Add</i>	2.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0636 EA 3/4" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	56.14 2.63	4.41
23 05 29 00-0637 EA 3/4" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	58.27 2.67	4.46
23 05 29 00-0638 EA 3/4" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	61.87 2.75	4.57
23 05 29 00-0639 EA 3/4" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	66.92 2.87	4.79
23 05 29 00-0640 EA 3/4" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	71.99 2.99	4.96
23 05 29 00-0641 EA 3/4" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	77.74 3.11	5.18
23 05 29 00-0642 EA 3/4" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	83.45 3.22	5.36
23 05 29 00-0643 EA 3/4" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	88.52 3.34	5.58
23 05 29 00-0644 EA 7/8" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	63.23 2.96	4.90
23 05 29 00-0645 EA 7/8" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	66.03 3.00	5.01
23 05 29 00-0646 EA 7/8" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	68.19 3.04	5.07
23 05 29 00-0647 EA 7/8" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	70.32 3.08	5.12
23 05 29 00-0648 EA 7/8" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	74.61 3.17	5.30
23 05 29 00-0649 EA 7/8" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	81.67 3.29	5.47
23 05 29 00-0650 EA 7/8" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	88.09 3.41	5.69
23 05 29 00-0651 EA 7/8" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	95.17 3.53	5.91
23 05 29 00-0652 EA 7/8" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	101.60 3.66	6.07
23 05 29 00-0653 EA 7/8" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	108.01 3.78	6.30
23 05 29 00-0654 EA 1" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	79.81 3.53	5.91
23 05 29 00-0655 EA 1" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	82.64 3.58	5.96
23 05 29 00-0656 EA 1" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	85.48 3.62	6.02
23 05 29 00-0657 EA 1" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	88.30 3.67	6.13
23 05 29 00-0658 EA 1" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	93.92 3.76	6.30
23 05 29 00-0659 EA 1" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	102.41 3.90	6.52
23 05 29 00-0660 EA 1" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	110.89 4.04	6.74
23 05 29 00-0661 EA 1" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	119.99 4.18	6.97
23 05 29 00-0662 EA 1" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	128.47 4.32	7.19
23 05 29 00-0663 EA 1" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	136.95 4.46	7.42
23 05 29 00-0664 Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0548)		
23 05 29 00-0665 EA 3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	47.95 1.99	3.30
23 05 29 00-0666 EA 3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	49.24 2.04	3.39
23 05 29 00-0667 EA 3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	50.52 2.10	3.52
23 05 29 00-0668 EA 3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	50.81 2.19	3.66
23 05 29 00-0669 EA 3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	53.29 2.27	3.80
23 05 29 00-0670 EA 3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	56.12 2.44	4.07
23 05 29 00-0671 EA 3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	57.78 2.61	4.33
23 05 29 00-0672 EA 3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	61.69 2.78	4.66
23 05 29 00-0673 EA 1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	65.61 2.71	4.52
23 05 29 00-0674 EA 1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	66.95 2.78	4.63
23 05 29 00-0675 EA 1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	68.36 2.86	4.74
23 05 29 00-0676 EA 1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	69.83 2.97	4.96
23 05 29 00-0677 EA 1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	72.41 3.08	5.12
23 05 29 00-0678 EA 1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	77.59 3.30	5.52

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0679	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	81.69	5.85
		<i>For Work In Restricted Working Space, Add</i>	3.53	
23 05 29 00-0680	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	86.88	6.24
		<i>For Work In Restricted Working Space, Add</i>	3.75	
23 05 29 00-0681	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	89.98	5.01
		<i>For Work In Restricted Working Space, Add</i>	3.03	
23 05 29 00-0682	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	92.42	5.18
		<i>For Work In Restricted Working Space, Add</i>	3.10	
23 05 29 00-0683	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	94.93	5.30
		<i>For Work In Restricted Working Space, Add</i>	3.18	
23 05 29 00-0684	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	96.43	5.52
		<i>For Work In Restricted Working Space, Add</i>	3.29	
23 05 29 00-0685	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	100.15	5.69
		<i>For Work In Restricted Working Space, Add</i>	3.41	
23 05 29 00-0686	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	106.49	6.07
		<i>For Work In Restricted Working Space, Add</i>	3.64	
23 05 29 00-0687	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	112.79	6.47
		<i>For Work In Restricted Working Space, Add</i>	3.87	
23 05 29 00-0688	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	118.01	6.85
		<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0689	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	115.19	5.69
		<i>For Work In Restricted Working Space, Add</i>	3.43	
23 05 29 00-0690	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	118.82	5.85
		<i>For Work In Restricted Working Space, Add</i>	3.50	
23 05 29 00-0691	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	121.28	5.96
		<i>For Work In Restricted Working Space, Add</i>	3.58	
23 05 29 00-0692	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	125.02	6.18
		<i>For Work In Restricted Working Space, Add</i>	3.70	
23 05 29 00-0693	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	130.97	6.36
		<i>For Work In Restricted Working Space, Add</i>	3.82	
23 05 29 00-0694	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	139.53	6.74
		<i>For Work In Restricted Working Space, Add</i>	4.06	
23 05 29 00-0695	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	148.11	7.13
		<i>For Work In Restricted Working Space, Add</i>	4.30	
23 05 29 00-0696	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	157.81	7.58
		<i>For Work In Restricted Working Space, Add</i>	4.53	
23 05 29 00-0697	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	138.91	6.58
		<i>For Work In Restricted Working Space, Add</i>	3.96	
23 05 29 00-0698	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	143.64	6.74
		<i>For Work In Restricted Working Space, Add</i>	4.04	
23 05 29 00-0699	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	147.26	6.85
		<i>For Work In Restricted Working Space, Add</i>	4.13	
23 05 29 00-0700	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	151.00	7.08
		<i>For Work In Restricted Working Space, Add</i>	4.25	
23 05 29 00-0701	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	158.10	7.31
		<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 29 00-0702	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	170.03	7.69
		<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0703	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	180.86	8.13
		<i>For Work In Restricted Working Space, Add</i>	4.87	
23 05 29 00-0704	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	192.79	8.53
		<i>For Work In Restricted Working Space, Add</i>	5.12	
23 05 29 00-0705	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	178.11	7.86
		<i>For Work In Restricted Working Space, Add</i>	4.72	
23 05 29 00-0706	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	182.88	8.02
		<i>For Work In Restricted Working Space, Add</i>	4.82	
23 05 29 00-0707	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	187.64	8.20
		<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-0708	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	192.56	8.42
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 05 29 00-0709	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	201.87	8.64
		<i>For Work In Restricted Working Space, Add</i>	5.18	
23 05 29 00-0710	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	216.17	9.08
		<i>For Work In Restricted Working Space, Add</i>	5.46	
23 05 29 00-0711	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	230.47	9.59
		<i>For Work In Restricted Working Space, Add</i>	5.74	
23 05 29 00-0712	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	245.79	10.03
		<i>For Work In Restricted Working Space, Add</i>	6.02	

23 05 29 00-0713 Attachments (23 05 29 00-0547)**23 05 29 00-0714 Welded Beam Attachments (B-Line B-3083)** (23 05 29 00-0713)

Note: Type 22.

23 05 29 00-0715	EA	3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	28.30	4.24
		<i>For Work In Restricted Working Space, Add</i>	2.54	
23 05 29 00-0716	EA	1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	32.35	5.47
		<i>For Work In Restricted Working Space, Add</i>	3.29	
23 05 29 00-0717	EA	5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	34.49	5.78
		<i>For Work In Restricted Working Space, Add</i>	3.47	
23 05 29 00-0718	EA	3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	45.45	6.15
		<i>For Work In Restricted Working Space, Add</i>	3.68	
23 05 29 00-0719	EA	7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	55.50	6.51
		<i>For Work In Restricted Working Space, Add</i>	3.91	
23 05 29 00-0720	EA	1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	79.72	7.46
		<i>For Work In Restricted Working Space, Add</i>	4.47	
23 05 29 00-0721	EA	1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	116.02	7.82
		<i>For Work In Restricted Working Space, Add</i>	4.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0722 C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0713) Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0723 EA 3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	8.07	2.31
For Work In Restricted Working Space, Add	1.70	
23 05 29 00-0724 EA 1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	11.63	3.63
For Work In Restricted Working Space, Add	2.23	
23 05 29 00-0725 EA 5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	13.42	3.90
For Work In Restricted Working Space, Add	2.99	
23 05 29 00-0726 EA 3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	18.05	4.18
For Work In Restricted Working Space, Add	2.57	
23 05 29 00-0727 EA 7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	27.68	4.46
For Work In Restricted Working Space, Add	2.79	
23 05 29 00-0728 Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0713) Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0729 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	28.81	3.16
For Work In Restricted Working Space, Add	2.26	
23 05 29 00-0730 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	46.61	5.01
For Work In Restricted Working Space, Add	3.04	
23 05 29 00-0731 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	68.17	5.58
For Work In Restricted Working Space, Add	3.35	
23 05 29 00-0732 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	82.04	6.13
For Work In Restricted Working Space, Add	3.72	
23 05 29 00-0733 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	206.27	6.69
For Work In Restricted Working Space, Add	4.18	
23 05 29 00-0734 Steel U-Bolts (B-Line B-3188) (23 05 29 00-0713) Note: Type 24. Includes plate and nuts.		
23 05 29 00-0735 EA 1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	6.64	1.13
For Work In Restricted Working Space, Add	1.35	
23 05 29 00-0736 EA 3/4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	7.34	1.36
For Work In Restricted Working Space, Add	1.43	
23 05 29 00-0737 EA 1" Pipe Size, Steel U-Bolt (B-Line B-3188).....	7.97	1.36
For Work In Restricted Working Space, Add	1.51	
23 05 29 00-0738 EA 1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	9.38	1.36
For Work In Restricted Working Space, Add	1.59	
23 05 29 00-0739 EA 1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	9.57	1.58
For Work In Restricted Working Space, Add	1.70	
23 05 29 00-0740 EA 2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	10.25	1.58
For Work In Restricted Working Space, Add	1.81	
23 05 29 00-0741 EA 2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	16.59	1.58
For Work In Restricted Working Space, Add	1.94	
23 05 29 00-0742 EA 3" Pipe Size, Steel U-Bolt (B-Line B-3188).....	18.42	1.81
For Work In Restricted Working Space, Add	2.09	
23 05 29 00-0743 EA 4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	22.97	2.03
For Work In Restricted Working Space, Add	2.26	
23 05 29 00-0744 Copper Standoff Brackets With Flange (23 05 29 00-0713) Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0745 EA Clamp Size 1/2", Copper Standoff Brackets With Flange.....	17.82	7.97
For Work In Restricted Working Space, Add	4.78	
23 05 29 00-0746 EA Clamp Size 3/4", Copper Standoff Brackets With Flange.....	17.94	7.97
For Work In Restricted Working Space, Add	4.78	
23 05 29 00-0747 EA Clamp Size 1", Copper Standoff Brackets With Flange.....	18.05	7.97
For Work In Restricted Working Space, Add	4.78	
23 05 29 00-0748 EA Clamp Size 1 1/4", Copper Standoff Brackets With Flange.....	19.25	8.47
For Work In Restricted Working Space, Add	5.07	
23 05 29 00-0749 EA Clamp Size 1 1/2", Copper Standoff Brackets With Flange.....	19.48	8.47
For Work In Restricted Working Space, Add	5.07	
23 05 29 00-0750 Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0713) Note: Type 16.		
23 05 29 00-0751 EA 3/8" Rod Size, Malleable Iron Eye Socket.....	7.05	0.84
For Work In Restricted Working Space, Add	0.51	
23 05 29 00-0752 EA 1/2" Rod Size, Malleable Iron Eye Socket.....	8.96	1.11
For Work In Restricted Working Space, Add	0.67	
23 05 29 00-0753 EA 5/8" Rod Size, Malleable Iron Eye Socket.....	16.07	1.11
For Work In Restricted Working Space, Add	0.68	
23 05 29 00-0754 EA 3/4" Rod Size, Malleable Iron Eye Socket.....	23.06	1.11
For Work In Restricted Working Space, Add	0.67	
23 05 29 00-0755 EA 7/8" Rod Size, Malleable Iron Eye Socket.....	24.74	1.39
For Work In Restricted Working Space, Add	0.84	
23 05 29 00-0756 Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0713) Note: Type 17.		
23 05 29 00-0757 EA 3/8" Rod Size, Steel Weldless Eye Nut.....	24.60	0.84
For Work In Restricted Working Space, Add	0.51	
23 05 29 00-0758 EA 1/2" Rod Size, Steel Weldless Eye Nut.....	25.14	1.11
For Work In Restricted Working Space, Add	0.67	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

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UNIT COST UNIT COST

23 05 29 00-0759	EA	5/8" Rod Size, Steel Weldless Eye Nut.....	25.16	1.11
		<i>For Work In Restricted Working Space, Add</i>	0.68	
23 05 29 00-0760	EA	3/4" Rod Size, Steel Weldless Eye Nut.....	25.14	1.11
		<i>For Work In Restricted Working Space, Add</i>	0.67	
23 05 29 00-0761	EA	7/8" Rod Size, Steel Weldless Eye Nut.....	49.79	1.22
		<i>For Work In Restricted Working Space, Add</i>	0.75	
23 05 29 00-0762	EA	1" Rod Size, Steel Weldless Eye Nut.....	50.07	1.39
		<i>For Work In Restricted Working Space, Add</i>	0.84	
23 05 29 00-0763		Top Mount I-Beam Clamps (B-Line B-3042) <small>(23 05 29 00-0713)</small>		
		Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0764	EA	3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	13.97	2.12
		<i>For Work In Restricted Working Space, Add</i>	1.27	
23 05 29 00-0765	EA	1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	18.20	2.87
		<i>For Work In Restricted Working Space, Add</i>	1.73	
23 05 29 00-0766	EA	5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	22.33	3.13
		<i>For Work In Restricted Working Space, Add</i>	1.90	
23 05 29 00-0767	EA	3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	31.57	3.39
		<i>For Work In Restricted Working Space, Add</i>	2.00	
23 05 29 00-0768	EA	7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	49.46	3.91
		<i>For Work In Restricted Working Space, Add</i>	2.35	
23 05 29 00-0769	EA	3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	14.87	2.12
		<i>For Work In Restricted Working Space, Add</i>	1.27	
23 05 29 00-0770	EA	1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	19.48	2.87
		<i>For Work In Restricted Working Space, Add</i>	1.73	
23 05 29 00-0771	EA	5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	22.33	3.13
		<i>For Work In Restricted Working Space, Add</i>	1.90	
23 05 29 00-0772	EA	3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	34.92	3.39
		<i>For Work In Restricted Working Space, Add</i>	2.00	
23 05 29 00-0773	EA	7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	55.20	3.91
		<i>For Work In Restricted Working Space, Add</i>	2.35	
23 05 29 00-0774	EA	3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	16.97	2.12
		<i>For Work In Restricted Working Space, Add</i>	1.27	
23 05 29 00-0775	EA	1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	21.84	2.87
		<i>For Work In Restricted Working Space, Add</i>	1.73	
23 05 29 00-0776	EA	5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	27.86	3.13
		<i>For Work In Restricted Working Space, Add</i>	1.90	
23 05 29 00-0777	EA	3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	41.20	3.39
		<i>For Work In Restricted Working Space, Add</i>	2.00	
23 05 29 00-0778	EA	7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	67.48	3.91
		<i>For Work In Restricted Working Space, Add</i>	2.35	
23 05 29 00-0779		Side Beam Brackets (B-Line B-3062) <small>(23 05 29 00-0713)</small>		
		Note: Type 34.		
23 05 29 00-0780	EA	3/8" Rod Size, Side Beam Bracket	9.57	2.94
		<i>For Work In Restricted Working Space, Add</i>	1.70	
23 05 29 00-0781	EA	1/2" Rod Size, Side Beam Bracket	13.24	3.63
		<i>For Work In Restricted Working Space, Add</i>	2.23	
23 05 29 00-0782	EA	5/8" Rod Size, Side Beam Bracket	17.88	3.90
		<i>For Work In Restricted Working Space, Add</i>	2.39	
23 05 29 00-0783	EA	3/4" Rod Size, Side Beam Bracket	34.23	4.18
		<i>For Work In Restricted Working Space, Add</i>	2.57	
23 05 29 00-0784	EA	7/8" Rod Size, Side Beam Bracket	40.39	4.74
		<i>For Work In Restricted Working Space, Add</i>	2.79	
23 05 29 00-0785		Hex Lag Bolts <small>(23 05 29 00-0713)</small>		
		Note: Also known as coach screws.		
23 05 29 00-0786	EA	3/8" x 3-1/2" Long, Hex Lag Bolt.....	1.41	
		<i>For Work In Restricted Working Space, Add</i>	0.28	
23 05 29 00-0787	EA	3/8" x 4" Long, Hex Lag Bolt.....	1.41	
		<i>For Work In Restricted Working Space, Add</i>	0.29	
23 05 29 00-0788	EA	3/8" x 6" Long, Hex Lag Bolt.....	1.65	
		<i>For Work In Restricted Working Space, Add</i>	0.30	
23 05 29 00-0789	EA	3/8" x 8" Long, Hex Lag Bolt.....	2.09	
		<i>For Work In Restricted Working Space, Add</i>	0.31	
23 05 29 00-0790	EA	3/8" x 10" Long, Hex Lag Bolt.....	2.24	
		<i>For Work In Restricted Working Space, Add</i>	0.32	
23 05 29 00-0791	EA	3/8" x 12" Long, Hex Lag Bolt.....	3.00	
		<i>For Work In Restricted Working Space, Add</i>	0.34	
23 05 29 00-0792	EA	1/2" x 3-1/2" Long, Hex Lag Bolt.....	2.02	
		<i>For Work In Restricted Working Space, Add</i>	0.34	
23 05 29 00-0793	EA	1/2" x 4" Long, Hex Lag Bolt.....	2.03	
		<i>For Work In Restricted Working Space, Add</i>	0.35	
23 05 29 00-0794	EA	1/2" x 6" Long, Hex Lag Bolt.....	2.45	
		<i>For Work In Restricted Working Space, Add</i>	0.37	
23 05 29 00-0795	EA	1/2" x 8" Long, Hex Lag Bolt.....	2.94	
		<i>For Work In Restricted Working Space, Add</i>	0.39	
23 05 29 00-0796	EA	1/2" x 10" Long, Hex Lag Bolt.....	3.57	
		<i>For Work In Restricted Working Space, Add</i>	0.41	
23 05 29 00-0797	EA	1/2" x 12" Long, Hex Lag Bolt.....	3.84	
		<i>For Work In Restricted Working Space, Add</i>	0.42	
23 05 29 00-0798	EA	5/8" x 4" Long, Hex Lag Bolt.....	3.00	
		<i>For Work In Restricted Working Space, Add</i>	0.38	
23 05 29 00-0799	EA	3/4" x 5" Long, Hex Lag Bolt.....	3.63	
		<i>For Work In Restricted Working Space, Add</i>	0.39	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0800			Shields And Saddles (23 05 29)		
23 05 29 00-0801			Insulation Protection Shield (23 05 29 00-0800) Note: Type 40.		
23 05 29 00-0802			Insulation Protection Shield (Cooper B-Line B3151) (23 05 29 00-0801) Note: Type 40.		
23 05 29 00-0803	EA		1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length 11.32		1.33
			<i>For Work In Restricted Working Space, Add</i> 1.34		
23 05 29 00-0804	EA		2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length 11.51		1.35
			<i>For Work In Restricted Working Space, Add</i> 1.36		
23 05 29 00-0805	EA		2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length 11.84		1.37
			<i>For Work In Restricted Working Space, Add</i> 1.37		
23 05 29 00-0806	EA		3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length 12.56		1.38
			<i>For Work In Restricted Working Space, Add</i> 1.39		
23 05 29 00-0807	EA		4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length 14.29		1.42
			<i>For Work In Restricted Working Space, Add</i> 1.42		
23 05 29 00-0808	EA		6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length 18.40		1.46
			<i>For Work In Restricted Working Space, Add</i> 1.46		
23 05 29 00-0809	EA		8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length 22.10		1.49
			<i>For Work In Restricted Working Space, Add</i> 1.49		
23 05 29 00-0810	EA		10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length 28.03		1.53
			<i>For Work In Restricted Working Space, Add</i> 1.52		
23 05 29 00-0811	EA		12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length 37.41		1.54
			<i>For Work In Restricted Working Space, Add</i> 1.54		
23 05 29 00-0812	EA		14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length 41.17		1.56
			<i>For Work In Restricted Working Space, Add</i> 1.55		
23 05 29 00-0813	EA		16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length 58.63		1.58
			<i>For Work In Restricted Working Space, Add</i> 1.57		
23 05 29 00-0814	EA		18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length 66.48		1.59
			<i>For Work In Restricted Working Space, Add</i> 1.59		
23 05 29 00-0815	EA		20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length 127.95		1.61
			<i>For Work In Restricted Working Space, Add</i> 1.61		
23 05 29 00-0816	EA		24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length 139.45		1.64
			<i>For Work In Restricted Working Space, Add</i> 1.64		
23 05 29 00-0817	EA		30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length 169.60		1.67
			<i>For Work In Restricted Working Space, Add</i> 1.67		
23 05 29 00-0818			Insulation Protection Shield (Cooper B-Line B3154) (23 05 29 00-0801) Note: Type 40.		
23 05 29 00-0819	EA		1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length 9.44		1.33
			<i>For Work In Restricted Working Space, Add</i> 1.34		
23 05 29 00-0820	EA		2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length 9.59		1.35
			<i>For Work In Restricted Working Space, Add</i> 1.36		
23 05 29 00-0821	EA		2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length 9.84		1.37
			<i>For Work In Restricted Working Space, Add</i> 1.37		
23 05 29 00-0822	EA		3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length 10.38		1.38
			<i>For Work In Restricted Working Space, Add</i> 1.39		
23 05 29 00-0823	EA		4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length 11.66		1.42
			<i>For Work In Restricted Working Space, Add</i> 1.42		
23 05 29 00-0824	EA		6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length 14.67		1.46
			<i>For Work In Restricted Working Space, Add</i> 1.46		
23 05 29 00-0825	EA		8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length 16.03		1.49
			<i>For Work In Restricted Working Space, Add</i> 1.49		
23 05 29 00-0826	EA		10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length 21.72		1.53
			<i>For Work In Restricted Working Space, Add</i> 1.52		
23 05 29 00-0827	EA		12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length 27.05		1.54
			<i>For Work In Restricted Working Space, Add</i> 1.54		
23 05 29 00-0828			Pipe Covering Protection Saddle (23 05 29 00-0800) Note: Type 39, sizes are pipe sizes.		
23 05 29 00-0829			Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0828) Note: Type 39.		
23 05 29 00-0830	EA		3/4" Pipe Saddle, Type 39 (For 1" Insulation) 18.14		1.85
			<i>For Work In Restricted Working Space, Add</i> 1.85		
23 05 29 00-0831	EA		1" Pipe Saddle, Type 39 (For 1" Insulation) 18.19		1.86
			<i>For Work In Restricted Working Space, Add</i> 1.86		
23 05 29 00-0832	EA		1-1/4" Pipe Saddle, Type 39 (For 1" Insulation) 18.24		1.88
			<i>For Work In Restricted Working Space, Add</i> 1.88		
23 05 29 00-0833	EA		1-1/2" Pipe Saddle, Type 39 (For 1" Insulation) 19.36		1.91
			<i>For Work In Restricted Working Space, Add</i> 1.91		
23 05 29 00-0834	EA		2" Pipe Saddle, Type 39 (For 1" Insulation) 19.41		1.92
			<i>For Work In Restricted Working Space, Add</i> 1.92		
23 05 29 00-0835	EA		2-1/2" Pipe Saddle, Type 39 (For 1" Insulation) 20.16		1.95
			<i>For Work In Restricted Working Space, Add</i> 1.95		
23 05 29 00-0836	EA		3" Pipe Saddle, Type 39 (For 1" Insulation) 23.11		1.98
			<i>For Work In Restricted Working Space, Add</i> 1.99		
23 05 29 00-0837	EA		4" Pipe Saddle, Type 39 (For 1" Insulation) 26.71		2.01
			<i>For Work In Restricted Working Space, Add</i> 2.02		
23 05 29 00-0838	EA		6" Pipe Saddle, Type 39 (For 1" Insulation) 30.70		2.08
			<i>For Work In Restricted Working Space, Add</i> 2.08		
23 05 29 00-0839	EA		8" Pipe Saddle, Type 39 (For 1" Insulation) 38.72		2.16
			<i>For Work In Restricted Working Space, Add</i> 2.16		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0840	EA		10" Pipe Saddle, Type 39 (For 1" Insulation)	44.08	2.19
			<i>For Work In Restricted Working Space, Add</i>	2.19	
23 05 29 00-0841	EA		12" Pipe Saddle, Type 39 (For 1" Insulation)	53.54	2.19
			<i>For Work In Restricted Working Space, Add</i>	2.24	
23 05 29 00-0842	EA		14" Pipe Saddle, Type 39 (For 1" Insulation)	59.08	2.27
			<i>For Work In Restricted Working Space, Add</i>	2.27	
23 05 29 00-0843			Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0828)		
			Note: Type 39.		
23 05 29 00-0844	EA		3/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	21.33	1.85
			<i>For Work In Restricted Working Space, Add</i>	1.85	
23 05 29 00-0845	EA		1" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	21.38	1.86
			<i>For Work In Restricted Working Space, Add</i>	1.86	
23 05 29 00-0846	EA		1-1/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	21.43	1.88
			<i>For Work In Restricted Working Space, Add</i>	1.88	
23 05 29 00-0847	EA		1-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	22.34	1.91
			<i>For Work In Restricted Working Space, Add</i>	1.91	
23 05 29 00-0848	EA		2" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	24.61	1.92
			<i>For Work In Restricted Working Space, Add</i>	1.92	
23 05 29 00-0849	EA		2-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	26.93	1.95
			<i>For Work In Restricted Working Space, Add</i>	1.95	
23 05 29 00-0850	EA		3" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	27.39	1.98
			<i>For Work In Restricted Working Space, Add</i>	1.99	
23 05 29 00-0851	EA		4" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	31.98	1.98
			<i>For Work In Restricted Working Space, Add</i>	2.02	
23 05 29 00-0852	EA		6" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	36.66	2.08
			<i>For Work In Restricted Working Space, Add</i>	2.08	
23 05 29 00-0853	EA		8" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	44.56	2.16
			<i>For Work In Restricted Working Space, Add</i>	2.16	
23 05 29 00-0854	EA		10" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	50.99	2.19
			<i>For Work In Restricted Working Space, Add</i>	2.19	
23 05 29 00-0855	EA		12" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	62.08	2.24
			<i>For Work In Restricted Working Space, Add</i>	2.24	
23 05 29 00-0856	EA		14" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	68.66	2.27
			<i>For Work In Restricted Working Space, Add</i>	2.27	
23 05 29 00-0857			Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0828)		
			Note: Type 39.		
23 05 29 00-0858	EA		3/4" Pipe Saddle, Type 39 (For 2" Insulation)	22.96	1.94
			<i>For Work In Restricted Working Space, Add</i>	1.94	
23 05 29 00-0859	EA		1" Pipe Saddle, Type 39 (For 2" Insulation)	23.01	1.95
			<i>For Work In Restricted Working Space, Add</i>	1.95	
23 05 29 00-0860	EA		1-1/4" Pipe Saddle, Type 39 (For 2" Insulation)	24.56	1.97
			<i>For Work In Restricted Working Space, Add</i>	1.97	
23 05 29 00-0861	EA		1-1/2" Pipe Saddle, Type 39 (For 2" Insulation)	25.42	2.00
			<i>For Work In Restricted Working Space, Add</i>	2.00	
23 05 29 00-0862	EA		2" Pipe Saddle, Type 39 (For 2" Insulation)	26.21	2.01
			<i>For Work In Restricted Working Space, Add</i>	2.02	
23 05 29 00-0863	EA		2-1/2" Pipe Saddle, Type 39 (For 2" Insulation)	26.31	2.05
			<i>For Work In Restricted Working Space, Add</i>	2.05	
23 05 29 00-0864	EA		3" Pipe Saddle, Type 39 (For 2" Insulation)	28.13	2.08
			<i>For Work In Restricted Working Space, Add</i>	2.08	
23 05 29 00-0865	EA		4" Pipe Saddle, Type 39 (For 2" Insulation)	29.95	2.12
			<i>For Work In Restricted Working Space, Add</i>	2.11	
23 05 29 00-0866	EA		6" Pipe Saddle, Type 39 (For 2" Insulation)	40.09	2.19
			<i>For Work In Restricted Working Space, Add</i>	2.19	
23 05 29 00-0867	EA		8" Pipe Saddle, Type 39 (For 2" Insulation)	46.26	2.27
			<i>For Work In Restricted Working Space, Add</i>	2.27	
23 05 29 00-0868	EA		10" Pipe Saddle, Type 39 (For 2" Insulation)	48.87	2.30
			<i>For Work In Restricted Working Space, Add</i>	2.30	
23 05 29 00-0869	EA		12" Pipe Saddle, Type 39 (For 2" Insulation)	68.83	2.34
			<i>For Work In Restricted Working Space, Add</i>	2.35	
23 05 29 00-0870	EA		14" Pipe Saddle, Type 39 (For 2" Insulation)	77.05	2.38
			<i>For Work In Restricted Working Space, Add</i>	2.38	
23 05 29 00-0871	EA		16" Pipe Saddle, Type 39 (For 2" Insulation)	85.39	2.44
			<i>For Work In Restricted Working Space, Add</i>	2.44	
23 05 29 00-0872	EA		18" Pipe Saddle, Type 39 (For 2" Insulation)	93.73	2.51
			<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0873	EA		20" Pipe Saddle, Type 39 (For 2" Insulation)	103.47	2.57
			<i>For Work In Restricted Working Space, Add</i>	2.57	
23 05 29 00-0874	EA		24" Pipe Saddle, Type 39 (For 2" Insulation)	119.68	2.63
			<i>For Work In Restricted Working Space, Add</i>	2.63	
23 05 29 00-0875			Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0828)		
			Note: Type 39.		
23 05 29 00-0876	EA		1-1/4" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	26.32	2.01
			<i>For Work In Restricted Working Space, Add</i>	2.02	
23 05 29 00-0877	EA		1-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	28.09	2.04
			<i>For Work In Restricted Working Space, Add</i>	2.05	
23 05 29 00-0878	EA		2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	28.98	2.07
			<i>For Work In Restricted Working Space, Add</i>	2.06	
23 05 29 00-0879	EA		2-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	29.92	2.11
			<i>For Work In Restricted Working Space, Add</i>	2.09	
23 05 29 00-0880	EA		3" Pipe Saddle, Type 39 (For 2-1/2" Insulation)	30.08	2.14
			<i>For Work In Restricted Working Space, Add</i>	2.14	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0881	EA		4" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	36.20 2.18	2.17
23 05 29 00-0882	EA		6" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	42.42 2.24	2.24
23 05 29 00-0883	EA		8" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	50.52 2.31	2.32
23 05 29 00-0884	EA		10" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	54.62 2.36	2.35
23 05 29 00-0885	EA		12" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	70.60 2.41	2.40
23 05 29 00-0886	EA		14" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	85.46 2.44	2.44
23 05 29 00-0887	EA		16" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	100.43 2.50	2.50
23 05 29 00-0888	EA		18" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	107.06 2.57	2.56
23 05 29 00-0889	EA		20" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	114.46 2.63	2.63
23 05 29 00-0890	EA		24" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	121.86 2.69	2.69
23 05 29 00-0891			Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0828) Note: Type 39.		
23 05 29 00-0892	EA		2" Pipe Saddle, Type 39 (For 3" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	30.08 2.11	2.12
23 05 29 00-0893	EA		2-1/2" Pipe Saddle, Type 39 (For 3" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	33.40 2.16	2.16
23 05 29 00-0894	EA		3" Pipe Saddle, Type 39 (For 3" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	35.09 2.19	2.19
23 05 29 00-0895	EA		4" Pipe Saddle, Type 39 (For 3" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	36.77 2.22	2.22
23 05 29 00-0896	EA		6" Pipe Saddle, Type 39 (For 3" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	43.33 2.28	2.29
23 05 29 00-0897	EA		8" Pipe Saddle, Type 39 (For 3" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	56.32 2.38	2.37
23 05 29 00-0898	EA		10" Pipe Saddle, Type 39 (For 3" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	61.73 2.41	2.40
23 05 29 00-0899	EA		12" Pipe Saddle, Type 39 (For 3" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	83.12 2.46	2.46
23 05 29 00-0900	EA		14" Pipe Saddle, Type 39 (For 3" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	101.01 2.50	2.50
23 05 29 00-0901	EA		16" Pipe Saddle, Type 39 (For 3" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	118.90 2.55	2.56
23 05 29 00-0902	EA		18" Pipe Saddle, Type 39 (For 3" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	121.07 2.63	2.62
23 05 29 00-0903	EA		20" Pipe Saddle, Type 39 (For 3" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	123.19 2.69	2.68
23 05 29 00-0904	EA		24" Pipe Saddle, Type 39 (For 3" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	159.09 2.75	2.75
23 05 29 00-0905			Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0828) Note: Type 39.		
23 05 29 00-0906	EA		2" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	34.83 2.16	2.17
23 05 29 00-0907	EA		2-1/2" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	38.80 2.21	2.20
23 05 29 00-0908	EA		3" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	40.81 2.24	2.24
23 05 29 00-0909	EA		4" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	42.91 2.27	2.27
23 05 29 00-0910	EA		6" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	54.13 2.35	2.34
23 05 29 00-0911	EA		8" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	65.34 2.42	2.43
23 05 29 00-0912	EA		10" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	67.69 2.47	2.46
23 05 29 00-0913	EA		12" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	89.22 2.52	2.52
23 05 29 00-0914	EA		14" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	110.44 2.55	2.55
23 05 29 00-0915	EA		16" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	131.76 2.61	2.62
23 05 29 00-0916	EA		18" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	163.33 2.67	2.68
23 05 29 00-0917	EA		20" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	194.68 2.75	2.74
23 05 29 00-0918	EA		24" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	208.82 2.82	2.81
23 05 29 00-0919	EA		30" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	220.05 2.89	2.89
23 05 29 00-0920	EA		36" Pipe Saddle, Type 39 (For 4" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	228.34 2.96	2.96
23 05 29 00-0921			Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0800) Note: Type 38.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0922	EA	2" Adjustable Pipe Saddle Support, Type 38	81.31	6.97
23 05 29 00-0923	EA	3" Adjustable Pipe Saddle Support, Type 38	84.88	8.08
23 05 29 00-0924	EA	4" Adjustable Pipe Saddle Support, Type 38	104.01	9.20
23 05 29 00-0925	EA	5" Adjustable Pipe Saddle Support, Type 38	107.68	10.03
23 05 29 00-0926	EA	6" Adjustable Pipe Saddle Support, Type 38	119.44	11.15
23 05 29 00-0927	EA	8" Adjustable Pipe Saddle Support, Type 38	132.98	13.94
23 05 29 00-0928	EA	10" Adjustable Pipe Saddle Support, Type 38	173.10	18.67
23 05 29 00-0929	EA	12" Adjustable Pipe Saddle Support, Type 38	202.94	27.87

23 05 29 00-0930 Pipe Stanchion Support (Cooper B-Line B3090) (23 05 29 00-0800)

Note: Type 37.

23 05 29 00-0931	EA	2-1/2" Pipe Stanchion Support With U-Bolt, Type 37	104.33	6.97
23 05 29 00-0932	EA	3" Pipe Stanchion Support With U-Bolt, Type 37	106.32	8.08
23 05 29 00-0933	EA	3-1/2" Pipe Stanchion Support With U-Bolt, Type 37	113.68	8.64
23 05 29 00-0934	EA	4" Pipe Stanchion Support With U-Bolt, Type 37	114.98	9.20
23 05 29 00-0935	EA	5" Pipe Stanchion Support With U-Bolt, Type 37	120.30	10.03
23 05 29 00-0936	EA	6" Pipe Stanchion Support With U-Bolt, Type 37	126.38	11.15
23 05 29 00-0937	EA	8" Pipe Stanchion Support With U-Bolt, Type 37	160.99	13.94
23 05 29 00-0938	EA	10" Pipe Stanchion Support With U-Bolt, Type 37	217.67	18.67
23 05 29 00-0939	EA	12" Pipe Stanchion Support With U-Bolt, Type 37	276.74	27.87

23 05 29 00-0940 Pipe Saddle Support (Cooper B-Line B3095) (23 05 29 00-0800)

Note: Type 36.

23 05 29 00-0941	EA	2-1/2" Pipe Saddle Support, Type 36	45.97	6.97
23 05 29 00-0942	EA	3" Pipe Saddle Support, Type 36	47.96	8.08
23 05 29 00-0943	EA	3-1/2" Pipe Saddle Support, Type 36	79.84	8.64
23 05 29 00-0944	EA	4" Pipe Saddle Support, Type 36	81.14	9.20
23 05 29 00-0945	EA	5" Pipe Saddle Support, Type 36	89.62	10.03
23 05 29 00-0946	EA	6" Pipe Saddle Support, Type 36	99.27	11.15
23 05 29 00-0947	EA	8" Pipe Saddle Support, Type 36	111.31	13.94
23 05 29 00-0948	EA	10" Pipe Saddle Support, Type 36	124.66	18.67
23 05 29 00-0949	EA	12" Pipe Saddle Support, Type 36	147.63	27.87

23 05 29 00-0950 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0800)

Note: Insert is for use as isolated protective insulation at hangers.

23 05 29 00-0951 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0950)

23 05 29 00-0952	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	6.88	2.80
23 05 29 00-0953	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	7.08	2.80
23 05 29 00-0954	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	7.14	2.80
23 05 29 00-0955	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	7.34	2.80
23 05 29 00-0956	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	7.85	2.97
23 05 29 00-0957	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	8.24	3.05
23 05 29 00-0958	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	8.70	3.18
23 05 29 00-0959	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	9.21	3.31
23 05 29 00-0960	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.23	3.44
23 05 29 00-0961	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.89	2.97
23 05 29 00-0962	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.28	3.87
23 05 29 00-0963	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.84	4.56
23 05 29 00-0964	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.89	5.29
23 05 29 00-0965	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.84	5.46

23 05 29 00-0966 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0950)

23 05 29 00-0967	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	6.30	2.11
23 05 29 00-0968	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	7.29	2.11
23 05 29 00-0969	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	7.47	2.15
23 05 29 00-0970	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	7.80	2.20
23 05 29 00-0971	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	8.09	2.20
23 05 29 00-0972	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	8.59	2.28
23 05 29 00-0973	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	9.13	2.37
23 05 29 00-0974	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	9.39	2.41
23 05 29 00-0975	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.44	2.62
23 05 29 00-0976	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.61	4.52
23 05 29 00-0977	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.28	3.39
23 05 29 00-0978	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.44	4.00
23 05 29 00-0979	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.70	4.60
23 05 29 00-0980	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.13	5.55

23 05 29 00-0981 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0950)

23 05 29 00-0982	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	9.50	2.41
23 05 29 00-0983	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	9.67	2.41
23 05 29 00-0984	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.07	2.45
23 05 29 00-0985	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.42	2.49
23 05 29 00-0986	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	10.78	2.54
23 05 29 00-0987	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.22	2.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0988 EA 2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.88	2.71
23 05 29 00-0989 EA 3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.50	2.80
23 05 29 00-0990 EA 4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.94	2.97
23 05 29 00-0991 EA 6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.99	3.35
23 05 29 00-0992 EA 8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.08	5.72
23 05 29 00-0993 EA 10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.85	6.62
23 05 29 00-0994 EA 12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.55	7.83
23 05 29 00-0995 EA 14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.12	8.77
23 05 29 00-0996 EA 16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.86	9.90
23 05 29 00-0997 EA 18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.84	11.62
23 05 29 00-0998 EA 20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	46.44	12.90
23 05 29 00-0999 EA 24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	52.41	14.63
23 05 29 00-1000 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0950)		
23 05 29 00-1001 EA 1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	10.87	2.80
23 05 29 00-1002 EA 3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.05	2.80
23 05 29 00-1003 EA 1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.52	2.84
23 05 29 00-1004 EA 1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.90	2.89
23 05 29 00-1005 EA 1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.28	2.89
23 05 29 00-1006 EA 2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.80	3.01
23 05 29 00-1007 EA 2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.56	3.10
23 05 29 00-1008 EA 3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.25	3.22
23 05 29 00-1009 EA 4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.88	3.39
23 05 29 00-1010 EA 6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.24	3.87
23 05 29 00-1011 EA 8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.96	4.30
23 05 29 00-1012 EA 10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.94	4.94
23 05 29 00-1013 EA 12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.65	6.15
23 05 29 00-1014 EA 14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.22	6.76
23 05 29 00-1015 EA 16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.49	8.60
23 05 29 00-1016 EA 18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	48.00	9.04
23 05 29 00-1017 EA 20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	54.42	10.32
23 05 29 00-1018 EA 24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	63.78	12.47
23 05 29 00-1019 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0950)		
23 05 29 00-1020 EA 1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.32	2.89
23 05 29 00-1021 EA 3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.03	3.01
23 05 29 00-1022 EA 1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.29	3.01
23 05 29 00-1023 EA 1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.07	3.10
23 05 29 00-1024 EA 1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.98	3.18
23 05 29 00-1025 EA 2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.02	3.22
23 05 29 00-1026 EA 2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.81	3.31
23 05 29 00-1027 EA 3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.37	3.52
23 05 29 00-1028 EA 4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.23	3.66
23 05 29 00-1029 EA 6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	46.04	4.48
23 05 29 00-1030 EA 8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	60.35	4.90
23 05 29 00-1031 EA 10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	71.93	5.17
23 05 29 00-1032 EA 12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	82.17	6.66
23 05 29 00-1033 EA 14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	92.71	7.10
23 05 29 00-1034 EA 16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	110.26	9.46
23 05 29 00-1035 EA 18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	118.73	10.32
23 05 29 00-1036 EA 20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	134.52	11.18
23 05 29 00-1037 EA 24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	157.99	13.77
23 05 29 00-1038 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0950)		
23 05 29 00-1039 EA 1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	10.87	2.80
23 05 29 00-1040 EA 3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.10	3.39
23 05 29 00-1041 EA 1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.86	3.39
23 05 29 00-1042 EA 1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.28	3.44
23 05 29 00-1043 EA 1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.78	3.48
23 05 29 00-1044 EA 2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.33	3.62
23 05 29 00-1045 EA 2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.26	3.74
23 05 29 00-1046 EA 3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.03	3.87
23 05 29 00-1047 EA 4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.06	4.08
23 05 29 00-1048 EA 6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.87	4.65
23 05 29 00-1049 EA 8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.93	5.17
23 05 29 00-1050 EA 10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.92	5.94
23 05 29 00-1051 EA 12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.37	7.39
23 05 29 00-1052 EA 14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	45.88	8.08
23 05 29 00-1053 EA 16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.39	10.32
23 05 29 00-1054 EA 18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	57.61	10.84
23 05 29 00-1055 EA 20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.34	12.39
23 05 29 00-1056 EA 24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.53	14.97
23 05 29 00-1057 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0950)		
23 05 29 00-1058 EA 1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.65	3.79

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-1059	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.90	3.79
23 05 29 00-1060	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.55	3.83
23 05 29 00-1061	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.09	3.87
23 05 29 00-1062	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.54	3.87
23 05 29 00-1063	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.42	4.13
23 05 29 00-1064	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.28	4.17
23 05 29 00-1065	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.24	4.35
23 05 29 00-1066	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.43	4.60
23 05 29 00-1067	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.59	5.21
23 05 29 00-1068	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.36	5.63
23 05 29 00-1069	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.42	6.71
23 05 29 00-1070	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	45.42	8.35
23 05 29 00-1071	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	51.62	9.08
23 05 29 00-1072	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	60.10	11.62
23 05 29 00-1073	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.78	12.18
23 05 29 00-1074	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	72.45	13.94
23 05 29 00-1075	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	86.12	16.87
23 05 29 00-1076	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	97.37	19.83
23 05 29 00-1077	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	109.68	23.40
23 05 29 00-1078	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	122.53	27.65
23 05 29 00-1079	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	171.00	42.71
23 05 29 00-1080	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	182.86	47.01
23 05 29 00-1081	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	193.92	50.76

23 05 29 00-1082 Equipment Housekeeping Pads (23 05 29)
See CSI section 03 31 13 00-0105 for Concrete Equipment Pads.

23 05 29 00-1083 Molded Plastic Condenser Pad (23 05 29 00-1082)

23 05 29 00-1084	EA	30" Round Molded Plastic Pad	44.01	5.65
23 05 29 00-1085	EA	30" Octagon Molded Plastic Pad	46.17	5.65
23 05 29 00-1086	EA	30" x 30" Molded Plastic Pad	44.01	5.65
23 05 29 00-1087	EA	36" x 36" Molded Plastic Pad	56.91	5.65
23 05 29 00-1088	EA	36" x 48" Molded Plastic Pad	81.03	5.65

23 05 29 00-1089 Inertia Base (23 05 29 00-1082)

Note: Includes spring isolators.

23 05 29 00-1090	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	746.23	
23 05 29 00-1091	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	901.46	
23 05 29 00-1092	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	1,032.53	
23 05 29 00-1093	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	1,179.71	

23 05 29 00-1094 Hanger Assemblies (23 05 29)

Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.

23 05 29 00-1095	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly	23.93	7.03
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	4.52	
23 05 29 00-1096	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly	24.76	7.45
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	4.77	
23 05 29 00-1097	EA	1" Standard Duty Clevis Pipe Hanger Assembly	25.57	7.93
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	5.00	
23 05 29 00-1098	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly	26.13	7.95
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	5.07	
23 05 29 00-1099	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly	26.39	7.95
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	5.07	
23 05 29 00-1100	EA	2" Standard Duty Clevis Pipe Hanger Assembly	27.16	8.01
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	5.15	
23 05 29 00-1101	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly	32.58	7.87
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	4.81	
23 05 29 00-1102	EA	3" Standard Duty Clevis Pipe Hanger Assembly	34.13	8.10
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	4.88	
23 05 29 00-1103	EA	4" Standard Duty Clevis Pipe Hanger Assembly	42.74	9.15
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	5.40	
23 05 29 00-1104	EA	6" Standard Duty Clevis Pipe Hanger Assembly	66.73	11.82
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	7.09	
23 05 29 00-1105	EA	8" Standard Duty Clevis Pipe Hanger Assembly	79.19	13.71
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	8.22	
23 05 29 00-1106	EA	10" Standard Duty Clevis Pipe Hanger Assembly	115.05	17.41
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	10.31	
23 05 29 00-1107	EA	12" Standard Duty Clevis Pipe Hanger Assembly	128.35	18.74
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	11.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1108 Steel Shapes For Hanger Devices (23 05 29)		
23 05 29 00-1109 Angle Iron (23 05 29 00-1108)		
23 05 29 00-1110 LF 1/2" x 1/2" x 1/8" Angle Iron.....	1.37	0.81
23 05 29 00-1111 LF 3/4" x 3/4" x 1/8" Angle Iron.....	1.80	1.01
23 05 29 00-1112 LF 1" x 1" x 1/8" Angle Iron.....	2.23	1.21
23 05 29 00-1113 LF 1-1/4" x 1-1/4" x 3/16" Angle Iron.....	3.14	1.51
23 05 29 00-1114 LF 1-1/2" x 1-1/2" x 3/16" Angle Iron.....	3.52	1.62
23 05 29 00-1115 LF 2" x 2" x 1/4" Angle Iron.....	4.86	1.82
23 05 29 00-1116 LF 2-1/2" x 2-1/2" x 1/4" Angle Iron.....	6.06	2.21
23 05 29 00-1117 LF 3" x 2" x 3/8" Angle Iron.....	7.96	2.60
23 05 29 00-1118 LF 3" x 3" x 3/8" Angle Iron.....	9.53	3.03
23 05 29 00-1119 Channels (23 05 29 00-1108)		
23 05 29 00-1120 LF C2 X 1.78 - 2" Wide (Channels).....	3.64	1.73
23 05 29 00-1121 LF C3 X 4.1 - 3" Wide (Channels).....	6.45	2.48
23 05 29 00-1122 LF C4 X 5.4 - 4" Wide (Channels).....	8.10	2.98
23 05 29 00-1123 LF C5 X 6.7 - 5" Wide (Channels).....	9.75	3.48
23 05 29 00-1124 LF C6 X 8.2 - 6" Wide (Channels).....	11.83	4.18
23 05 29 00-1125 LF C7 X 9.8 - 7" Wide (Channels).....	14.11	4.97
23 05 29 00-1126 LF C8 X 11.5 - 8" Wide (Channels).....	16.07	5.47
23 05 29 00-1127 Structural Bar Tees (23 05 29 00-1108)		
23 05 29 00-1128 LF 3/4" x 3/4" x 1/8" Structural Bar Tee.....	3.81	2.43
23 05 29 00-1129 LF 1" x 1" x 1/8" Structural Bar Tee.....	4.58	2.87
23 05 29 00-1130 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee.....	6.89	3.32
23 05 29 00-1131 LF 2" x 2" x 1/4" Structural Bar Tee.....	8.90	4.42
23 05 29 00-1132 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee.....	12.48	5.31
23 05 29 00-1133 LF 3" x 3" x 3/8" Structural Bar Tee.....	15.61	6.85
23 05 29 00-1134 Structural Zees (23 05 29 00-1108)		
23 05 29 00-1135 LF 1-1/4" x 1-3/4" x 1-3/4" Structural Zee.....	6.90	3.32
23 05 29 00-1136 LF 2-11/16" x 3" x 2-11/16" Structural Zee.....	8.62	3.32
23 05 29 00-1137 LF 3-1/16" x 4" x 3-1/16" Structural Zee.....	12.83	3.32
23 05 29 00-1138 LF 3-1/4" x 5" x 3-1/4" Structural Zee.....	16.46	3.32
23 05 29 00-1139 LF 3-1/2" x 6" x 3-1/2" Structural Zee.....	20.39	3.32
23 05 29 00-1140 Junior I-beams (23 05 29 00-1108)		
23 05 29 00-1141 LF 3" I-beam (Junior).....	8.32	4.86
23 05 29 00-1142 LF 4" I-beam (Junior).....	9.67	5.31
23 05 29 00-1143 LF 5" I-beam (Junior).....	11.33	5.75
23 05 29 00-1144 LF 6" I-beam (Junior).....	12.42	6.41
23 05 29 00-1145 LF 7" I-beam (Junior).....	15.07	6.85
23 05 29 00-1146 LF 8" I-beam (Junior).....	16.35	7.29
23 05 48 Vibration and Seismic Controls for HVAC (23 05)		
23 05 48 13 Vibration Controls for HVAC (23 05 48)		
23 05 48 13-0001 Unhoused Stable Steel Spring Isolators (23 05 48 13)		
Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 13-0002 EA 60 LB Unhoused Steel Spring Isolator.....	68.63	12.65
23 05 48 13-0003 EA 115 LB Unhoused Steel Spring Isolator.....	75.60	12.65
23 05 48 13-0004 EA 1,130 LB Unhoused Steel Spring Isolator.....	98.72	12.65
23 05 48 13-0005 Vibration Isolators (23 05 48 13)		
23 05 48 13-0006 Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0005)		
23 05 48 13-0007 EA 50-500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size.....	122.39	10.03
23 05 48 13-0008 EA 600-1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size.....	280.24	11.15
23 05 48 13-0009 Rubber-In-Shear Isolator Hanger (23 05 48 13-0005)		
23 05 48 13-0010 EA 45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size.....	61.59	8.36
23 05 48 13-0011 EA 130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size.....	81.73	10.03
23 05 48 13-0012 Spring Hanger For 1" Deflection (23 05 48 13-0005)		
23 05 48 13-0013 EA 50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size.....	68.65	10.03
23 05 48 13-0014 Rubber-In-Shear Vibration Isolator (23 05 48 13-0005)		
23 05 48 13-0015 EA 45-340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection.....	125.73	18.95
23 05 48 13-0016 EA 130-700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection.....	187.41	18.95
23 05 48 13-0017 EA 550-1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection.....	399.10	18.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration and Seismic Controls for HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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23 05 48 13-0018		Two-Piece Spring Type Vibration Isolator (23 05 48 13-0005)		
Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.				
23 05 48 13-0019	EA	50 - 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	99.73	18.95
23 05 48 13-0020	EA	>1,000 - 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	104.33	18.95
23 05 48 13-0021		Open Double Spring Type Vibration Isolator (23 05 48 13-0005)		
Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.				
23 05 48 13-0022	EA	150-450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	89.91	9.48
23 05 48 13-0023	EA	500-1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	89.91	9.48
23 05 48 13-0024	EA	1,100-1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	105.23	9.48
23 05 48 13-0025	EA	1,700-2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	105.23	9.48
23 05 48 13-0026	EA	2,500-3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	174.54	9.48
23 05 48 13-0027		Isolation Pads (23 05 48 13-0005)		
23 05 48 13-0028		Laminated Neoprene And Cork Isolation Pad (23 05 48 13-0027)		
23 05 48 13-0029	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	4.00	1.39
23 05 48 13-0030	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	5.81	1.45
23 05 48 13-0031	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.91	1.51
23 05 48 13-0032	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	40.12	1.73
23 05 48 13-0033	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	79.66	1.95
23 05 48 13-0034		Neoprene And Steel Plate Isolation Pad (23 05 48 13-0027)		
23 05 48 13-0035	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	37.06	1.39
23 05 48 13-0036	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	40.84	1.39
23 05 48 13-0037		Neoprene Isolation Pad (23 05 48 13-0027)		
23 05 48 13-0038	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	3.54	1.39
23 05 48 13-0039	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	4.31	1.39
23 05 48 13-0040	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	5.61	1.39
23 05 48 13-0041	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	39.41	1.67
23 05 48 13-0042	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	74.62	1.95
23 05 48 13-0043		Threaded Flexible Bronze Hose Connectors (23 05 48 13)		
Note: Includes hex threaded nipple ends.				
23 05 48 13-0044	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	57.56	8.92
23 05 48 13-0045	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	63.81	12.27
23 05 48 13-0046	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	78.82	15.05
23 05 48 13-0047	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	90.92	17.84
23 05 48 13-0048	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	103.38	23.41
23 05 48 13-0049	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	115.72	24.92
23 05 48 13-0050	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	158.26	29.55
23 05 48 13-0051	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	226.02	46.04
23 05 48 13-0052		Flanged Flexible Hose Connectors (23 05 48 13)		
23 05 48 13-0053		Flanged Flexible Molded Rubber Hose Connectors (23 05 48 13-0052)		
Note: With helical wire reinforcement 150 PSI.				
23 05 48 13-0054	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	173.27	41.81
23 05 48 13-0055	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	185.69	46.43
23 05 48 13-0056	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	365.39	137.96
23 05 48 13-0057	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	480.69	178.10
23 05 48 13-0058	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	648.64	165.80
23 05 48 13-0059	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	811.06	189.37
23 05 48 13-0060	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,087.87	225.35
23 05 48 13-0061	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	2,180.78	281.85
23 05 48 13-0062		Flanged Flexible Corrugated Stainless Steel Hose Connectors (23 05 48 13-0052)		
Note: With braided metal wire.				
23 05 48 13-0063	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	126.55	38.02
23 05 48 13-0064	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	99.37	52.28
23 05 48 13-0065	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	238.05	69.68
23 05 48 13-0066	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	287.34	104.52
23 05 48 13-0067	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	305.02	115.00
23 05 48 13-0068	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	346.07	139.24
23 05 48 13-0069	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	442.88	178.27
23 05 48 13-0070	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	769.76	232.12
23 05 48 13-0071	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,118.44	265.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0072 EA 10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,326.65	306.75
23 05 48 13-0073 EA 12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,825.01	331.59
23 05 48 13-0074 Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0052)		
Note: 150 PSI.		
23 05 48 13-0075 EA 2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	918.08	80.82
23 05 48 13-0076 EA 3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,024.04	94.76
23 05 48 13-0077 EA 4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,529.70	159.26
23 05 48 13-0078 EA 6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,827.00	165.80
23 05 48 13-0079 EA 8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,455.07	203.38
23 05 48 13-0080 Flexible Hose Connectors Braided Metal Hose Type, Bronze (23 05 48 13)		
23 05 48 13-0081 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0080)		
Note: MPT connection.		
23 05 48 13-0082 EA 1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	37.69	0.90
23 05 48 13-0083 EA 1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	45.68	0.90
23 05 48 13-0084 EA 1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	50.12	1.17
23 05 48 13-0085 EA 1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	61.91	1.17
23 05 48 13-0086 EA 3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	50.88	1.08
23 05 48 13-0087 EA 3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	62.30	1.08
23 05 48 13-0088 EA 3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	70.54	1.40
23 05 48 13-0089 EA 3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	88.32	1.40
23 05 48 13-0090 EA 1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	70.12	1.27
23 05 48 13-0091 EA 1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	77.13	1.27
23 05 48 13-0092 EA 1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	90.96	1.67
23 05 48 13-0093 EA 1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	116.97	1.67
23 05 48 13-0094 EA 1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	142.77	1.67
23 05 48 13-0095 EA 1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	168.66	1.67
23 05 48 13-0096 EA 1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	100.56	1.62
23 05 48 13-0097 EA 1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	111.47	1.62
23 05 48 13-0098 EA 1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	144.74	1.62
23 05 48 13-0099 EA 1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	201.61	2.17
23 05 48 13-0100 EA 1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	235.13	2.17
23 05 48 13-0101 EA 1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	279.73	2.17
23 05 48 13-0102 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	138.63	1.96
23 05 48 13-0103 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	161.44	1.96
23 05 48 13-0104 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	205.62	1.96
23 05 48 13-0105 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	274.27	2.62
23 05 48 13-0106 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	341.59	2.62
23 05 48 13-0107 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	408.86	2.62
23 05 48 13-0108 EA 2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	193.97	2.45
23 05 48 13-0109 EA 2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	222.07	2.33
23 05 48 13-0110 EA 2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	250.44	2.33
23 05 48 13-0111 EA 2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	307.98	3.12
23 05 48 13-0112 EA 2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	365.04	3.12
23 05 48 13-0113 EA 2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	420.32	3.12
23 05 48 13-0114 EA 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	308.00	3.12
23 05 48 13-0115 EA 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	345.91	3.12
23 05 48 13-0116 EA 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	285.58	3.12
23 05 48 13-0117 EA 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	344.03	4.16
23 05 48 13-0118 EA 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	538.18	4.16
23 05 48 13-0119 EA 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	612.76	4.16
23 05 48 13-0120 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	570.67	3.35
23 05 48 13-0121 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	614.96	3.35
23 05 48 13-0122 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	659.25	3.35
23 05 48 13-0123 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	751.01	4.47
23 05 48 13-0124 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	839.25	4.47
23 05 48 13-0125 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	929.38	4.47
23 05 48 13-0126 Braided Stainless Steel Flexible Hose Connectors (23 05 48 13-0080)		
Note: Over braided carbon steel connection.		
23 05 48 13-0127 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	167.52	2.45
23 05 48 13-0128 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	203.75	2.45
23 05 48 13-0129 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	239.31	2.45
23 05 48 13-0130 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	313.10	3.29
23 05 48 13-0131 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	385.18	3.29
23 05 48 13-0132 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	457.16	3.29
23 05 48 13-0133 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	188.43	2.33
23 05 48 13-0134 EA 2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	226.31	2.33
23 05 48 13-0135 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	264.35	2.33
23 05 48 13-0136 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	342.15	3.12

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

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23 05 48 13-0137	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	417.92	3.12
23 05 48 13-0138	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	492.65	3.12
23 05 48 13-0139	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	197.58	3.12
23 05 48 13-0140	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	240.96	3.20
23 05 48 13-0141	FT	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	284.97	3.12
23 05 48 13-0142	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	377.30	4.16
23 05 48 13-0143	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	464.83	4.16
23 05 48 13-0144	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	554.85	4.16
23 05 48 13-0145	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	402.21	7.51
23 05 48 13-0146	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	602.86	7.56
23 05 48 13-0147	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	808.93	9.95
23 05 48 13-0148	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,009.66	9.95
23 05 48 13-0149	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,210.33	9.95
23 05 48 13-0150	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	705.49	8.05
23 05 48 13-0151	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	857.29	8.05
23 05 48 13-0152	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,163.73	10.47
23 05 48 13-0153	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,464.88	10.47
23 05 48 13-0154	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,765.94	10.47
23 05 48 13-0155	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	751.09	10.06
23 05 48 13-0156	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,130.62	10.06
23 05 48 13-0157	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,515.63	13.11
23 05 48 13-0158	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,896.49	13.11
23 05 48 13-0159	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,275.73	13.11
23 05 48 13-0160	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,515.33	12.17
23 05 48 13-0161	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,988.97	12.17
23 05 48 13-0162	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,484.66	16.37
23 05 48 13-0163	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,962.46	16.37
23 05 48 13-0164	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,442.49	16.37

23 05 48 13-0165 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0080)

Note: Flanged end connection (carbon steel ends).

23 05 48 13-0166	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	127.33	1.96
23 05 48 13-0167	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	245.45	55.47
23 05 48 13-0168	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	298.68	55.47
23 05 48 13-0169	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	351.92	55.47
23 05 48 13-0170	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	405.17	55.47
23 05 48 13-0171	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	227.90	70.74
23 05 48 13-0172	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	284.00	70.74
23 05 48 13-0173	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	340.11	70.74
23 05 48 13-0174	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	396.25	70.74
23 05 48 13-0175	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	451.41	70.74
23 05 48 13-0176	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	320.30	118.59
23 05 48 13-0177	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	385.78	118.88
23 05 48 13-0178	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	452.32	118.59
23 05 48 13-0179	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	526.72	118.59



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists various HVAC components like flexible hose connectors with their respective costs.

23 05 53 Identification For HVAC Piping And Equipment (23 05)

23 05 53 00-0001 Systems Identification (23 05 53)

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)

Table listing pipe marker snap-on types (e.g., 1/2" Outside Diameter Snap-On Plastic Marker) and their unit costs.

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Table listing pipe marker pressure-sensitive types (e.g., 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation) and their unit costs.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 53 Identification For HVAC Piping And Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.34
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.88

23 05 53 00-0039 Valve Identification Tag (23 05 53 00-0001)
 Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass.....	5.20
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	4.79
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass.....	4.66

23 05 93 Testing, Adjusting, And Balancing For HVAC (23 05)

Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems.

23 05 93 00-0001 Heating And Ventilating Equipment (23 05 93)

23 05 93 00-0002	EA	Balancing Centrifugal Fans.....	176.29
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-88.15</i>
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units.....	220.28
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-110.14</i>
23 05 93 00-0004	EA	Balancing In Line Fan	198.34
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-99.17</i>
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	44.08
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-22.04</i>
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	132.22
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-66.11</i>
23 05 93 00-0007	EA	Balancing Wall Fan.....	33.05
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-16.53</i>
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	176.02
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-88.01</i>

23 05 93 00-0009 Air Conditioning Equipment (23 05 93)

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit.....	410.70
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-205.35</i>
23 05 93 00-0011	EA	Balancing Package A/C Unit.....	154.01
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-77.01</i>
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit.....	205.34
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-102.67</i>
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit.....	718.72
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-359.36</i>

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers (23 05 93)

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	33.05
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-16.53</i>
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser.....	55.10
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-27.55</i>
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	28.65
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-14.33</i>
23 05 93 00-0018	EA	Balance Variable Air Volume Box.....	31.04
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-15.52</i>
23 05 93 00-0019	EA	Balance Constant Volume Box	31.04
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-15.52</i>
23 05 93 00-0020	EA	Balance Fan Powered Box	35.26
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-17.63</i>
23 05 93 00-0021	EA	Balance Lab Fume Hood	143.25
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-71.63</i>
23 05 93 00-0022	EA	Balance General Hood.....	110.19
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-55.10</i>
23 05 93 00-0023	EA	Balance Induction Unit.....	66.11
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-33.06</i>
23 05 93 00-0024	EA	Balance Moduline - Master	26.44
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-13.22</i>
23 05 93 00-0025	EA	Balance Moduline - Slave	13.22
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-6.61</i>
23 05 93 00-0026	EA	Balance Dampers	12.28
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-6.14</i>
23 05 93 00-0027	EA	Balance Regenerators	176.02
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-88.01</i>

23 05 93 00-0028 Water Balancing Of Components (23 05 93)

23 05 93 00-0029	EA	Water Balance, Air Cool Condenser	282.38
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-141.19</i>
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	35.94
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-17.97</i>
23 05 93 00-0031	EA	Water Balance, Chiller, Air Cooled.....	307.99
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-154.00</i>
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	410.70
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-205.35</i>
23 05 93 00-0033	EA	Water Balance, Cooling Tower	205.34
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-102.67</i>
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	51.37
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-25.69</i>
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	51.34
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-25.67</i>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil <i>For Testing Of Unit Without Balancing, Deduct</i>	56.47 -28.24	
23 05 93 00-0037 EA Water Balance, Pumps <i>For Testing Of Unit Without Balancing, Deduct</i>	154.01 -77.01	
23 05 93 00-0038 EA Water Balance, Unit Heater <i>For Testing Of Unit Without Balancing, Deduct</i>	35.94 -17.97	
23 05 93 00-0039 EA Water Balancing, Converter <i>For Testing Of Unit Without Balancing, Deduct</i>	154.07 -77.04	
23 05 93 00-0040 EA Water Balancing, Cocks And Valves <i>For Testing Of Unit Without Balancing, Deduct</i>	25.66 -12.83	
23 05 93 00-0041 EA Water Balance, Convectector <i>For Testing Of Unit Without Balancing, Deduct</i>	30.80 -15.40	
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves <i>For Testing Of Unit Without Balancing, Deduct</i>	38.51 -19.26	
23 05 93 00-0043 EA Water Balance, Boiler, Up To 500 MBH <i>For Testing Of Unit Without Balancing, Deduct</i>	333.69 -166.85	
23 05 93 00-0044 EA >500 To 1,000 MBH, Water Balance, Boiler <i>For Testing Of Unit Without Balancing, Deduct</i>	616.05 -308.03	
23 05 93 00-0045 EA >1,000 MBH, Water Balance, Boiler <i>For Testing Of Unit Without Balancing, Deduct</i>	1,129.42 -564.71	
23 05 93 00-0046 Non Destructive Testing (23 05 93)		
23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0048 X-Ray Welds Minimum Set-Up Charge (23 05 93 00-0047)		
23 05 93 00-0049 EA X-Ray Welds Minimum Set-Up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	316.10	
23 05 93 00-0050 Piping, X-Ray Welds, Non Destructive Testing (23 05 93 00-0047)		
23 05 93 00-0051 EA Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing.....	43.80	
23 05 93 00-0052 EA 1" Piping, X-Ray Welds, Non Destructive Testing.....	49.77	
23 05 93 00-0053 EA 1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing.....	55.74	
23 05 93 00-0054 EA 2" Piping, X-Ray Welds, Non Destructive Testing.....	58.93	
23 05 93 00-0055 EA 3" Piping, X-Ray Welds, Non Destructive Testing.....	62.12	
23 05 93 00-0056 EA 4" Piping, X-Ray Welds, Non Destructive Testing.....	65.71	
23 05 93 00-0057 EA 6" Piping, X-Ray Welds, Non Destructive Testing.....	72.09	
23 05 93 00-0058 EA 8" Piping, X-Ray Welds, Non Destructive Testing.....	78.45	
23 05 93 00-0059 EA 10" Piping, X-Ray Welds, Non Destructive Testing.....	82.03	
23 05 93 00-0060 EA 12" Piping, X-Ray Welds, Non Destructive Testing.....	85.62	
23 05 93 00-0061 Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0061)		
23 05 93 00-0063 EA Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	60.98	
23 05 93 00-0064 EA 1" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	63.77	
23 05 93 00-0065 EA 1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	66.56	
23 05 93 00-0066 EA 2" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	67.95	
23 05 93 00-0067 EA 3" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	70.03	
23 05 93 00-0068 EA 4" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	72.13	
23 05 93 00-0069 EA 6" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	76.31	
23 05 93 00-0070 EA 8" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	80.49	
23 05 93 00-0071 EA 10" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	84.67	
23 05 93 00-0072 EA 12" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	88.85	
23 05 93 00-0073 Hydrostatic Testing (23 05 93 00-0046)		
Note: Includes flushing and restoring of system.		
23 05 93 00-0074 Piping, Hydrostatic Testing (23 05 93 00-0073)		
23 05 93 00-0075 EA Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing.....	366.72	
23 05 93 00-0076 EA >100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing.....	523.89	
23 05 93 00-0077 EA >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing.....	627.72	
23 05 93 00-0078 EA >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	836.13	
23 05 93 00-0079 EA >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,266.86	
23 05 93 00-0080 EA Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	487.60	
23 05 93 00-0081 EA >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	696.77	
23 05 93 00-0082 EA >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	829.49	
23 05 93 00-0083 EA >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,086.95	
23 05 93 00-0084 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,644.38	
23 05 93 00-0085 EA Up To 100', >4" To 10" Piping, Hydrostatic Testing.....	635.46	
23 05 93 00-0086 EA >100' To 250', >4" To 10" Piping, Hydrostatic Testing.....	905.81	
23 05 93 00-0087 EA >250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	855.51	
23 05 93 00-0088 EA >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing.....	1,120.79	
23 05 93 00-0089 EA >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	1,695.55	
23 05 93 00-0090 EA Up To 100', >10" To 14" Piping, Hydrostatic Testing.....	824.98	
23 05 93 00-0091 EA >100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	1,176.14	
23 05 93 00-0092 EA >250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	1,112.38	
23 05 93 00-0093 EA >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	1,459.01	
23 05 93 00-0094 EA >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	2,210.62	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 93 Testing, Adjusting, And Balancing For HVAC**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 93 00-0095	Pneumatic Testing <small>(23 05 93 00-0046)</small> Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096	Piping, Pneumatic Testing <small>(23 05 93 00-0095)</small>		
23 05 93 00-0097	EA Up To 100', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	417.39	
23 05 93 00-0098	EA >100' To 250', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	595.42	
23 05 93 00-0099	EA >250' To 500', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	643.53	
23 05 93 00-0100	EA >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	824.77	
23 05 93 00-0101	EA >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,290.70	
23 05 93 00-0102	EA Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	544.61	
23 05 93 00-0103	EA >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	773.15	
23 05 93 00-0104	EA >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	836.49	
23 05 93 00-0105	EA >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,072.34	
23 05 93 00-0106	EA >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,677.51	
23 05 93 00-0107	EA Up To 100', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	655.90	
23 05 93 00-0108	EA >100' To 250', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	925.42	
23 05 93 00-0109	EA >250' To 500', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	937.81	
23 05 93 00-0110	EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,199.16	
23 05 93 00-0111	EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,878.83	
23 05 93 00-0112	EA Up To 100', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	854.10	
23 05 93 00-0113	EA >100' To 250', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,203.18	
23 05 93 00-0114	EA >250' To 500', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,219.64	
23 05 93 00-0115	EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	1,559.45	
23 05 93 00-0116	EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing..... Note: Includes soaping joints.	2,446.89	
23 05 93 00-0117	EPA Testing Of Sludge <small>(23 05 93)</small>		
23 05 93 00-0118	EA Flashpoint And Lead Test For Lead.....	519.45	
23 05 93 00-0119	EA Air Test/Combustion Gas Level.....	43.95	
23 05 93 00-0120	EA Toxicity Test For Heavy Metals.....	799.13	
23 05 93 00-0121	EA Aboveground Tank Water Settlement Test Including Water.....	604.68	

23 07 HVAC Insulation (23)**23 07 13 Duct Insulation** (23 07)

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001	FSK Fiber Glass Duct Wrap Insulation <small>(23 07 13)</small> Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.		
23 07 13 00-0002	Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <small>(23 07 13 00-0001)</small>		
23 07 13 00-0003	SF 1" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1.38 -0.10 0.34	0.86
23 07 13 00-0004	SF 1-1/2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1.63 -0.11 0.41	0.86
23 07 13 00-0005	SF 2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1.84 -0.12 0.46	1.29
23 07 13 00-0006	SF 3" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2.17 -0.15 0.54	1.51
23 07 13 00-0007	SF 4" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2.53 -0.24 0.58	1.63
23 07 13 00-0008	Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation <small>(23 07 13 00-0001)</small>		
23 07 13 00-0009	SF 1" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1.72 -0.11 0.43	1.29
23 07 13 00-0010	SF 1-1/2" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1.99 -0.14 0.50	1.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0011	SF		2" Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2.35 -0.16 0.59	1.72
23 07 13 00-0012			Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0013	SF		1" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2.20 -0.19 0.52	1.72
23 07 13 00-0014	SF		1-1/2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2.81 -0.33 0.59	1.93
23 07 13 00-0015	SF		2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.26 -0.39 0.69	2.15
23 07 13 00-0016			3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13) Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017	SF		1", 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	4.01 9.30 6.88 5.67 1.15	2.16
23 07 13 00-0018	SF		1-1/2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	4.93 11.36 8.42 6.94 1.40	2.64
23 07 13 00-0019	SF		2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	5.98 13.72 10.19 8.39 1.68	3.17
23 07 13 00-0020			4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13) Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF		1", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	4.84 1.26	2.38
23 07 13 00-0022	SF		1-1/2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	6.55 1.53	2.89
23 07 13 00-0023	SF		2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	8.68 1.85	3.50
23 07 13 00-0024			Sheet Flexible Elastomeric Insulation (23 07 13)		
23 07 13 00-0025	SF		3/8" Thick Sheet Flexible Elastomeric Insulation	4.35	1.16
23 07 13 00-0026	SF		1/2" Thick Sheet Flexible Elastomeric Insulation	4.65	1.23
23 07 13 00-0027	SF		3/4" Thick Sheet Flexible Elastomeric Insulation	6.30	1.29
23 07 13 00-0028	SF		1" Thick Sheet Flexible Elastomeric Insulation	7.34	1.36
23 07 13 00-0029	SF		1-1/2" Thick Sheet Flexible Elastomeric Insulation	10.41	1.48
23 07 13 00-0030	SF		2" Thick Sheet Flexible Elastomeric Insulation	12.40	1.61
23 07 13 00-0031			Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13) Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF		1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	6.73	1.23
23 07 13 00-0033	SF		3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	7.45	1.29
23 07 13 00-0034	SF		1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	8.34	1.36
23 07 13 00-0035	SF		1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	13.41	1.48
23 07 13 00-0036	SF		2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.98	1.61
23 07 13 00-0037			Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13) Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF		1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	8.22	1.23
23 07 13 00-0039	SF		3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	8.93	1.29
23 07 13 00-0040	SF		1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	10.08	1.36
23 07 13 00-0041	SF		1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.13	1.48
23 07 16 HVAC Equipment Insulation (23 07)					
23 07 16 00-0001			Calcium Silicate Block Insulation (23 07 16)		
23 07 16 00-0002	SF		1" Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	7.49 1.56	2.60
23 07 16 00-0003	SF		1-1/2" Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	9.28 1.76	2.92
23 07 16 00-0004	SF		2" Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	11.34 2.03	3.37
23 07 16 00-0005	SF		2-1/2" Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	13.64 2.38	3.96

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 16 HVAC Equipment Insulation**MINOR
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23 07 16 00-0006	SF	3" Calcium Silicate Block Insulation	16.60	4.88
		<i>For Work In Restricted Working Space, Add</i>	2.92	

23 07 19 HVAC Piping Insulation (23 07)

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation (23 07 19)

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0456 for protective jacketing.

23 07 19 00-0002 1" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	6.66	1.42
		<i>For Work In Restricted Working Space, Add</i>	1.06	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	6.66	1.42
		<i>For Work In Restricted Working Space, Add</i>	1.06	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	6.57	1.44
		<i>For Work In Restricted Working Space, Add</i>	1.08	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	6.68	1.46
		<i>For Work In Restricted Working Space, Add</i>	1.09	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	6.75	1.48
		<i>For Work In Restricted Working Space, Add</i>	1.11	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	7.32	1.52
		<i>For Work In Restricted Working Space, Add</i>	1.14	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	7.67	1.58
		<i>For Work In Restricted Working Space, Add</i>	1.18	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	8.05	1.62
		<i>For Work In Restricted Working Space, Add</i>	1.21	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	9.38	1.74
		<i>For Work In Restricted Working Space, Add</i>	1.31	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	10.39	1.96
		<i>For Work In Restricted Working Space, Add</i>	1.47	

23 07 19 00-0013 1-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	6.97	1.47
		<i>For Work In Restricted Working Space, Add</i>	1.10	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	7.02	1.47
		<i>For Work In Restricted Working Space, Add</i>	1.10	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	7.55	1.56
		<i>For Work In Restricted Working Space, Add</i>	1.17	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	7.90	1.59
		<i>For Work In Restricted Working Space, Add</i>	1.19	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	8.28	1.62
		<i>For Work In Restricted Working Space, Add</i>	1.22	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	8.92	1.71
		<i>For Work In Restricted Working Space, Add</i>	1.28	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	9.43	1.74
		<i>For Work In Restricted Working Space, Add</i>	1.31	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	9.80	1.79
		<i>For Work In Restricted Working Space, Add</i>	1.35	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	11.00	1.94
		<i>For Work In Restricted Working Space, Add</i>	1.46	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	12.75	2.27
		<i>For Work In Restricted Working Space, Add</i>	1.70	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.37	2.39
		<i>For Work In Restricted Working Space, Add</i>	1.80	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.57	2.87
		<i>For Work In Restricted Working Space, Add</i>	2.15	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	23.07	3.33
		<i>For Work In Restricted Working Space, Add</i>	2.50	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	25.78	3.66
		<i>For Work In Restricted Working Space, Add</i>	2.74	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	30.27	4.65
		<i>For Work In Restricted Working Space, Add</i>	3.49	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	32.82	4.88
		<i>For Work In Restricted Working Space, Add</i>	3.67	

23 07 19 00-0030 2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	9.24	1.62
		<i>For Work In Restricted Working Space, Add</i>	1.21	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	9.52	1.62
		<i>For Work In Restricted Working Space, Add</i>	1.21	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	9.87	1.64
		<i>For Work In Restricted Working Space, Add</i>	1.23	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	10.33	1.66
		<i>For Work In Restricted Working Space, Add</i>	1.24	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	10.66	1.68
		<i>For Work In Restricted Working Space, Add</i>	1.26	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	11.14	1.74
		<i>For Work In Restricted Working Space, Add</i>	1.31	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	12.67	1.80
		<i>For Work In Restricted Working Space, Add</i>	1.35	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	12.85	1.86
		<i>For Work In Restricted Working Space, Add</i>	1.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0039 LF 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.38 1.47	1.97
23 07 19 00-0040 LF 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.71 1.77	2.36
23 07 19 00-0041 LF 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.29 1.87	2.49
23 07 19 00-0042 LF 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.12 2.24	2.98
23 07 19 00-0043 LF 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.55 2.68	3.57
23 07 19 00-0044 LF 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	34.04 3.74	4.98
23 07 19 00-0045 LF 16" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	36.24 3.74	4.98
23 07 19 00-0046 LF 18" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	39.03 3.92	5.23
23 07 19 00-0047 LF 20" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.91 4.48	5.98
23 07 19 00-0048 LF 24" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	54.23 5.42	7.22
23 07 19 00-0049 2-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0050 LF 1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	11.21 1.40	1.86
23 07 19 00-0051 LF 3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	11.50 1.40	1.86
23 07 19 00-0052 LF 1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	11.71 1.42	1.89
23 07 19 00-0053 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	11.83 1.43	1.91
23 07 19 00-0054 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	12.18 1.44	1.92
23 07 19 00-0055 LF 2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	12.70 1.50	2.01
23 07 19 00-0056 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.57 1.56	2.08
23 07 19 00-0057 LF 3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.75 1.61	2.15
23 07 19 00-0058 LF 4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.36 1.70	2.26
23 07 19 00-0059 LF 6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	22.00 1.93	2.57
23 07 19 00-0060 LF 8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.21 2.15	2.87
23 07 19 00-0061 LF 10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	30.30 2.48	3.30
23 07 19 00-0062 LF 12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	34.84 3.08	4.11
23 07 19 00-0063 LF 14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	38.63 3.36	4.49
23 07 19 00-0064 LF 16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.46 4.30	5.73
23 07 19 00-0065 LF 18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	49.12 4.52	6.02
23 07 19 00-0066 LF 20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	57.15 5.16	6.88
23 07 19 00-0067 LF 24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	66.79 6.24	8.32
23 07 19 00-0068 3" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0069 LF 1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.60 1.55	2.07
23 07 19 00-0070 LF 3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.67 1.55	2.07
23 07 19 00-0071 LF 1" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.78 1.57	2.09
23 07 19 00-0072 LF 1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.95 1.58	2.10
23 07 19 00-0073 LF 1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.09 1.59	2.13
23 07 19 00-0074 LF 2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.59 1.65	2.20
23 07 19 00-0075 LF 2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.55 1.71	2.28
23 07 19 00-0076 LF 3" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.86 1.77	2.36
23 07 19 00-0077 LF 4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.50 1.87	2.49
23 07 19 00-0078 LF 6" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.70 2.12	2.83
23 07 19 00-0079 LF 8" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	30.07 2.36	3.15
23 07 19 00-0080 LF 10" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	35.89 2.73	3.64
23 07 19 00-0081 LF 12" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	40.94 3.39	4.52

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

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23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	45.58	4.93
		<i>For Work In Restricted Working Space, Add</i>	3.70	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	52.50	6.31
		<i>For Work In Restricted Working Space, Add</i>	4.73	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	56.89	6.62
		<i>For Work In Restricted Working Space, Add</i>	4.97	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	66.89	7.58
		<i>For Work In Restricted Working Space, Add</i>	5.68	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	78.83	9.15
		<i>For Work In Restricted Working Space, Add</i>	6.86	
23 07 19 00-0087		3-1/2" Thick Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	19.18	2.26
		<i>For Work In Restricted Working Space, Add</i>	1.70	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	20.04	2.26
		<i>For Work In Restricted Working Space, Add</i>	1.70	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	20.07	2.28
		<i>For Work In Restricted Working Space, Add</i>	1.71	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	20.11	2.29
		<i>For Work In Restricted Working Space, Add</i>	1.72	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	20.81	2.32
		<i>For Work In Restricted Working Space, Add</i>	1.74	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	22.18	2.40
		<i>For Work In Restricted Working Space, Add</i>	1.80	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	24.28	2.48
		<i>For Work In Restricted Working Space, Add</i>	1.86	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	25.14	2.57
		<i>For Work In Restricted Working Space, Add</i>	1.93	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	28.98	2.71
		<i>For Work In Restricted Working Space, Add</i>	2.04	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.25	3.09
		<i>For Work In Restricted Working Space, Add</i>	2.32	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	39.78	3.43
		<i>For Work In Restricted Working Space, Add</i>	2.58	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	48.67	3.97
		<i>For Work In Restricted Working Space, Add</i>	2.98	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	58.71	4.93
		<i>For Work In Restricted Working Space, Add</i>	3.70	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	61.56	5.39
		<i>For Work In Restricted Working Space, Add</i>	4.04	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	70.82	6.88
		<i>For Work In Restricted Working Space, Add</i>	5.16	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	82.43	7.22
		<i>For Work In Restricted Working Space, Add</i>	5.42	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	88.22	8.27
		<i>For Work In Restricted Working Space, Add</i>	6.20	
23 07 19 00-0105		4" Thick Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	24.44	2.51
		<i>For Work In Restricted Working Space, Add</i>	1.88	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	24.47	2.51
		<i>For Work In Restricted Working Space, Add</i>	1.88	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	24.58	2.55
		<i>For Work In Restricted Working Space, Add</i>	1.92	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	25.32	2.58
		<i>For Work In Restricted Working Space, Add</i>	1.94	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	26.94	2.66
		<i>For Work In Restricted Working Space, Add</i>	2.00	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	27.45	2.76
		<i>For Work In Restricted Working Space, Add</i>	2.06	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	30.31	2.80
		<i>For Work In Restricted Working Space, Add</i>	2.09	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	31.15	2.90
		<i>For Work In Restricted Working Space, Add</i>	2.17	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	35.73	3.06
		<i>For Work In Restricted Working Space, Add</i>	2.29	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	41.44	3.46
		<i>For Work In Restricted Working Space, Add</i>	2.60	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	49.79	3.87
		<i>For Work In Restricted Working Space, Add</i>	2.90	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	57.31	4.47
		<i>For Work In Restricted Working Space, Add</i>	3.35	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	64.53	5.55
		<i>For Work In Restricted Working Space, Add</i>	4.16	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	68.38	6.06
		<i>For Work In Restricted Working Space, Add</i>	4.55	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	80.08	7.75
		<i>For Work In Restricted Working Space, Add</i>	5.81	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	85.34	8.12
		<i>For Work In Restricted Working Space, Add</i>	6.09	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	93.97	9.30
		<i>For Work In Restricted Working Space, Add</i>	6.97	
23 07 19 00-0123		Weather-Protective Coating For Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 07	19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET) <i>For Work In Restricted Working Space, Add</i>	2.64	0.40
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23 08 Commissioning Of HVAC (23)

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation And Control For HVAC (23)

23 09 13 Instrumentation And Control Devices For HVAC (23 09)

23 09 13 56 Pneumatic Tubing For HVAC (23 09 13)

23 09 13 56-0001 Polyurethane Pneumatic Tubing (23 09 13 56)

23 09 13 56-0002	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	1.05	0.37
23 09 13 56-0003	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	1.42	0.38
23 09 13 56-0004	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	1.95	0.39
23 09 13 56-0005	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	2.56	0.40

23 09 13 56-0006 Fire Resistant Polyethylene Pneumatic Tubing (23 09 13 56)

23 09 13 56-0007	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	0.91	0.37
23 09 13 56-0008	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	0.99	0.38
23 09 13 56-0009	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.17	0.39
23 09 13 56-0010	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.53	0.40

23 09 13 56-0011 Nylon Pneumatic Tubing (23 09 13 56)

23 09 13 56-0012	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	1.14	0.36
23 09 13 56-0013	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	1.62	0.37
23 09 13 56-0014	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	2.59	0.39
23 09 13 56-0015	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	3.41	0.40

23 09 13 56-0016 Flexible Vinyl Pneumatic Tubing (23 09 13 56)

23 09 13 56-0017	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	1.11	0.37
23 09 13 56-0018	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	1.97	0.39
23 09 13 56-0019	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.43	0.40
23 09 13 56-0020	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.04	0.42
23 09 13 56-0021	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.48	0.43
23 09 13 56-0022	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.90	0.45

23 09 13 56-0023 Braided Vinyl Pneumatic Tubing (23 09 13 56)

23 09 13 56-0024	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	1.58	0.42
23 09 13 56-0025	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	1.87	0.43
23 09 13 56-0026	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	2.43	0.45

23 09 13 56-0027 Copper Pneumatic Tubing (23 09 13 56)

23 09 13 56-0028	LF	1/4" Outside Diameter Copper Pneumatic Tubing	2.25	0.81
23 09 13 56-0029	LF	3/8" Outside Diameter Copper Pneumatic Tubing	2.78	0.93
23 09 13 56-0030	LF	1/2" Outside Diameter Copper Pneumatic Tubing	3.25	1.06
23 09 13 56-0031	LF	5/8" Outside Diameter Copper Pneumatic Tubing	4.08	1.22
23 09 13 56-0032	LF	3/4" Outside Diameter Copper Pneumatic Tubing	5.29	1.74

23 09 13 56-0033 Brass Couplings (23 09 13 56)
See CSI section 22 11 16 00-0345 for copper tubing.

23 09 13 56-0034 Straight Brass Couplings (23 09 13 56-0033)

Note: Barb x Barb					
23 09 13 56-0035	EA	1/4" x 1/4" Straight Brass Coupling	4.40	2.03	
23 09 13 56-0036	EA	3/8" x 1/4" Straight Brass Coupling	4.45	2.03	
23 09 13 56-0037	EA	3/8" x 3/8" Straight Brass Coupling	4.51	2.03	

23 09 13 56-0038 Elbow Brass Couplings (23 09 13 56-0033)

Note: Barb x Barb					
23 09 13 56-0039	EA	1/4" x 1/4" Elbow Brass Coupling	4.70	2.03	
23 09 13 56-0040	EA	3/8" x 3/8" Elbow Brass Coupling	4.88	2.03	

23 09 13 56-0041 Tee Brass Couplings (23 09 13 56-0033)

Note: Barb x Barb					
23 09 13 56-0042	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	7.16	3.16	
23 09 13 56-0043	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	8.26	3.39	
23 09 13 56-0044	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	8.07	3.39	

23 09 23 Direct-Digital Control System For HVAC (23 09)

23 09 23 00-0001			EMCS General Costs (23 09 23)		
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23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0002			EMCS System Design Engineering (23 09 23 00-0001) Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.		
23 09 23 00-0003	HR		EMCS Site Inspection Of Existing Facilities.....	126.66	
23 09 23 00-0004	HR		EMCS Engineering Project Management.....	126.66	
23 09 23 00-0005	HR		EMCS System Engineering, Schematic Design And Layout.....	134.34	
23 09 23 00-0006	HR		EMCS System Software Programming And Graphics Programming.....	134.34	
23 09 23 00-0007	HR		EMCS Graphics Picture Creation.....	86.38	
23 09 23 00-0008	HR		EMCS System Controls Training.....	126.66	
23 09 23 00-0009	HR		EMCS On Site System Diagnostics Field Technician.....	126.66	
23 09 23 00-0010	HR		EMCS Remote Technical Support Using Phone Or Internet.....	105.58	
23 09 23 00-0011	HR		EMCS Travel Time (All Personnel).....	109.41	
23 09 23 00-0012			Post Warranty Field Tests, Checkout And Commissioning (23 09 23 00-0001) Note: Tasks used for building commissioning of other contractors' work or post warranty service work. A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0013	PNT		EMCS Field Test..... Note: Priced per point. Task used after warranty period only.	67.19	
23 09 23 00-0014	PNT		EMCS Field Checkout And Startup..... Note: Priced per point. Task used after warranty period only.	67.19	
23 09 23 00-0015	PNT		EMCS Field Commissioning..... Note: Priced per point. Used when the owner requires an independent commissioning firm.	67.19	
23 09 23 00-0016	EA		EMCS Field Balance Support..... Note: Priced per controller. Task used after warranty period only.	57.57	
23 09 23 00-0017			EMCS System Engineering/Submittal Design And Layout (23 09 23 00-0001) Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0018	PNT		EMCS System Engineering/Submittal Design And Layout..... Note: Priced per point.	22.41	
23 09 23 00-0019			Install EMCS Field Devices And Controllers (Labor Only) (23 09 23 00-0001) Note: This section is used when equipment or devices are supplied by others, usually in a maintenance or trouble shooting situation. Excludes cable or conduit between panel and device.		
23 09 23 00-0020	EA		Mount An AHU Control Enclosure On Block, Masonry Or Gypsum Wall.....	116.12	19.19
23 09 23 00-0021	EA		Install AHU Power Supply In A Control Enclosure.....	84.44	38.38
23 09 23 00-0022	EA		Install Metal Box And Conduit Stub-Up For Sensor In Masonry Wall.....	116.12	19.19
23 09 23 00-0023	EA		Install And Wire Room Sensor.....	31.68	19.19
23 09 23 00-0024	EA		Install And Wire Duct Sensor.....	42.22	19.19
23 09 23 00-0025	EA		Install And Wire AHU Averaging Sensor.....	137.20	95.95
23 09 23 00-0026	EA		Install And Wire AHU Humidity Sensor.....	73.90	28.81
23 09 23 00-0027	EA		Install And Wire AHU CO2 Sensor.....	105.58	28.81
23 09 23 00-0028	EA		Install And Wire Fan Or Filter DP Switch.....	105.58	28.81
23 09 23 00-0029	EA		Install And Wire Float Switch.....	84.44	19.19
23 09 23 00-0030	EA		Install And Wire Freezestat.....	137.20	95.95
23 09 23 00-0031	EA		Install And Wire Duct Static Pressure Sensor.....	73.90	38.38
23 09 23 00-0032	EA		Install And Wire Duct High Static Sensor.....	42.22	19.19
23 09 23 00-0033	EA		Install And Wire Emergency Stop Switch For AHU Or Other Equipment.....	42.22	19.19
23 09 23 00-0034	EA		Install And Wire Emergency Stop Switch For AHU.....	126.66	38.38
23 09 23 00-0035	EA		Install And Wire AHU Connection To Starter.....	126.66	95.95
23 09 23 00-0036	EA		Install And Wire Connection To VFD.....	232.23	95.95
23 09 23 00-0037	EA		Install And Wire AHU Valve Actuator.....	63.36	19.19
23 09 23 00-0038	EA		Install And Wire AHU Damper Actuator.....	126.66	38.38
23 09 23 00-0039	EA		Install And Wire AHU Smoke Detector Or Fire Alarm Relay.....	73.90	28.81
23 09 23 00-0040	EA		Install And Wire AHU Electropneumatic Transducer.....	52.76	19.19
23 09 23 00-0041	EA		Install And Wire Electric Heat Or Sequencer.....	126.66	38.38
23 09 23 00-0042	EA		Install And Wire Connection To Outdoor Compressor.....	295.54	28.81
23 09 23 00-0043	EA		Install And Wire AHU Magnahelic.....	105.58	19.19
23 09 23 00-0044	EA		Install And Wire AHU Wireway For Control Enclosure.....	126.66	38.38
23 09 23 00-0045	EA		Wire And Assemble AHU Control Enclosure..... Note: Includes installing all panel devices for a medium size panel.	232.23	
23 09 23 00-0046	EA		Field Install And Wire VAV Controller..... Note: Use when VAV box is previously installed.	84.44	38.38
23 09 23 00-0047	EA		Shop Install And Wire VAV Controller.....	73.90	
23 09 23 00-0048	EA		Install And Wire VAV Power Supply.....	31.68	19.19
23 09 23 00-0049	EA		Wire VAV Fan In Parallel Or Series Fan Box.....	42.22	19.19
23 09 23 00-0050	EA		Install And Wire Fan Coil Unit Controller.....	211.10	57.57
23 09 23 00-0051	EA		Mount Fan Coil Unit, Heat Pump, Or Unit Ventilator Controller.....	63.36	
23 09 23 00-0052	EA		Install And Wire Central Plant Controller..... Note: For programmable DDC controller.	295.54	172.72
23 09 23 00-0053	EA		Mount Central Plant Enclosure For DDC Control Enclosure..... Note: For programmable DDC controller.	116.12	19.19
23 09 23 00-0054	EA		Install Central Plant Power Supply For DDC Programmable Controller.....	84.44	38.38
23 09 23 00-0055	EA		Install Central Plant Wireway For Programmable Controller.....	126.66	38.38
23 09 23 00-0056	EA		Install And Wire Chiller Controls For Enable And Setpoint Controls.....	253.32	57.57
23 09 23 00-0057	EA		Install And Wire Chiller Flow Switch.....	253.32	115.15
23 09 23 00-0058	EA		Install And Wire Chiller DP Transmitter..... Note: Includes installing copper tubing connection to water piping.	949.97	57.57
23 09 23 00-0059	EA		Install And Wire Boiler Controls For Enable And Alarm.....	190.02	57.57
23 09 23 00-0060	EA		Install And Wire Boiler Safeties..... Note: For high water, low water and flame safeguard.	190.02	57.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0061 EA Install Boiler Control Panel Enclosure On Block, Masonry Or Gypsum Wall	422.20	239.91
23 09 23 00-0062 EA Wire And Terminate Combustion Air Damper	527.78	38.38
23 09 23 00-0063 EA Wire Oil Tank Interlock For Oil Boiler	263.86	38.38
23 09 23 00-0064 EA Install And Wire Boiler Emergency Stop Switch	527.78	115.15
23 09 23 00-0065 EA Wire And Terminate Temperature Well Sensor	52.76	28.81
Note: Excludes well.		
23 09 23 00-0066 EA Install And Wire Strap On Sensor	126.66	28.81
23 09 23 00-0067 EA Install And Wire CO2 Sensor For Room Or Space	105.58	28.81
Note: Excludes stub-up.		
23 09 23 00-0068 EA Install And Wire Valve Actuator	105.58	76.76
23 09 23 00-0069 EA Install And Wire Outside Air Temperature Sensor	190.02	57.57
23 09 23 00-0070 EA Install And Wire Outside Air Humidity Sensor	94.98	57.57
23 09 23 00-0071 EA Install And Wire Flow Sensor	232.23	115.15
23 09 23 00-0072 EA Install And Wire Pressure Sensor For Pump Or Building	232.23	115.15
23 09 23 00-0073 EA Install And Wire Pump Starter	126.66	28.81
23 09 23 00-0074 EA Install And Wire Pump VFD	232.23	57.57
23 09 23 00-0075 EA Install And Wire Pump DP Switch	316.68	115.15
Note: Includes installing copper tubing connection to water piping.		
23 09 23 00-0076 EA Install And Wire System DP Transmitter	1,055.54	115.15
Note: Includes installing copper tubing connection to water piping and wiring remote transmitter.		
23 09 23 00-0077 EA Mount Starter Sized Up To 100 HP	84.44	57.57
23 09 23 00-0078 EA Mount VFD Sized Up To 100 HP	211.10	191.91
23 09 23 00-0079 EA Install And Wire Cooling Tower Control Enclosure	379.98	115.15
23 09 23 00-0080 EA Install And Wire Vibration Switch For Cooling Tower	232.23	115.15
23 09 23 00-0081 EA Install And Wire Cooling Tower Basin Heater	126.66	115.15
23 09 23 00-0082 EA Install And Wire Basin Water Temperature Switch	126.66	57.57
23 09 23 00-0083 EA Install And Wire Cooling Tower Make-Up Water Valve	126.66	115.15
23 09 23 00-0084 EA Install And Wire Cooling Tower Make-Up Water Valve	126.66	115.15
23 09 23 00-0085 EA Install And Wire Refrigerant Monitor Panel	633.34	239.91
23 09 23 00-0086 EA Install And Wire Break Glass Switch	126.66	57.57
23 09 23 00-0087 EA Install And Wire Horn/Strobe For Refrigerant Monitor	94.98	38.38
23 09 23 00-0088 EA Install And Wire Damper Actuator	126.66	38.38
23 09 23 00-0089 EA Install And Wire Chemical Feed System	1,055.54	239.91
23 09 23 00-0090 EA Wire And Assemble Control Enclosure	253.32	
Note: Includes installing all panel devices in large size panel.		
23 09 23 00-0091 EA Install And Wire Exhaust Fan DDC Control	263.86	48.00
Note: Start or stop and status.		
23 09 23 00-0092 EA Install And Wire Exhaust Fan Thermostat Control	84.44	28.81
23 09 23 00-0093 EA Wire Lighting Contactor (Contactor Installed By Others)	263.86	38.38
23 09 23 00-0094 EA Wire And Terminate Unit Heater	84.44	28.81
23 09 23 00-0095 EA Wire Domestic Water Heater For Enable Or Disable	263.86	38.38
23 09 23 00-0096 EA Wire And Install Current Transformer KWH Meter (With Power Off)	844.44	230.29
23 09 23 00-0097 EA Wire Water Meter (Meter Installed By Others)	844.44	57.57
23 09 23 00-0098 EA Wire Gas Meter (Meter Installed By Others)	844.44	57.57
23 09 23 00-0099 EA Install Wireless Receiver And Wire To DDC Controls	105.58	38.38
23 09 23 00-0100 EA Install Wireless Sensor	21.13	9.62
23 09 23 00-0101 EA Wire Split System AC Thermostat	422.20	28.81
23 09 23 00-0102 EA Wire Sump Pump Monitor Status Switch	316.68	57.57
23 09 23 00-0103 EA Install Locking Cover/Wire Guard For Thermostat Or Wall Temperature Sensor	15.36	7.68
23 09 23 00-0104 EA Install And Wire Combination Outside Air Temperature/Outside Air Humidity Sensor	285.00	115.15
23 09 23 00-0105 Honeywell Controls (23 09 23)		
23 09 23 00-0106 EMCS Central Equipment And Controllers (23 09 23 00-0105)		
23 09 23 00-0107 Computer Equipment And Printers (23 09 23 00-0106)		
See CSI section 11 28 13 00-0000 for PCs, monitors and printers.		
23 09 23 00-0108 EMCS Network Area Controllers (BACnet Or Lon) (23 09 23 00-0106)		
Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 00-0109 EA Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)	6,344.62	249.48
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.		
23 09 23 00-0110 EA Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)	4,138.40	249.48
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).		
23 09 23 00-0111 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)	3,019.96	249.48
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.		
23 09 23 00-0112 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)	3,909.97	249.48
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.		
23 09 23 00-0113 EA Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)	2,989.32	249.48
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.		
23 09 23 00-0114 EA Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)	2,989.32	249.48
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.		
23 09 23 00-0115 EA 16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)	3,297.13	249.48
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**MINOR
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23 09 23 00-0116	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU).....	3,620.27	249.48
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 00-0117	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	3,297.13	249.48
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 00-0118	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	3,620.27	249.48
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 00-0119	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B).....	3,623.05	249.48
		Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 00-0120	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU).....	3,946.19	249.48
		Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.		
23 09 23 00-0121	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	3,623.05	249.48
		Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 00-0122	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	3,946.19	249.48
		Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.		
23 09 23 00-0123	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX).....	3,894.65	249.48
		Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 00-0124	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only).....	4,974.09	249.48
		Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 00-0125	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ).....	5,306.97	249.48
		Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 00-0126	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ).....	6,386.41	249.48
		Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 00-0127	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX).....	5,322.29	249.48
		Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.		
23 09 23 00-0128	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ).....	7,379.49	249.48
		Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.		
23 09 23 00-0129		EMCS Network Interfaces (23 09 23 00-0106)		
		Note: Includes installation, start-up and tech labor.		
23 09 23 00-0130	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001).....	956.98	69.09
		Note: For desktop computer.		
23 09 23 00-0131	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009).....	807.25	46.06
		Note: For laptop computer.		
23 09 23 00-0132	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010).....	1,021.51	86.38
23 09 23 00-0133	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002).....	1,600.23	124.77
23 09 23 00-0134	EA	Two Way Lon Repeater (Honeywell Q7740A1008).....	793.79	124.77
23 09 23 00-0135	EA	FTT Termination Module For Network Bus (Honeywell 209541B).....	51.79	15.36
23 09 23 00-0136		DDC Application Specific Controller Assemblies (23 09 23 00-0106)		
		Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 00-0137	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,426.18	356.95
23 09 23 00-0138	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,234.27	211.35
23 09 23 00-0139	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,506.78	356.95
23 09 23 00-0140	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,314.87	232.33
23 09 23 00-0141	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	1,677.37	397.27
23 09 23 00-0142	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	1,533.41	297.84
23 09 23 00-0143	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	1,959.45	397.27
23 09 23 00-0144	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	1,757.97	303.99
23 09 23 00-0145	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,242.58	397.27
23 09 23 00-0146	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,050.67	234.89
23 09 23 00-0147	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,348.16	397.27



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23 09 23 00-0148 EA >10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,156.20	264.58
23 09 23 00-0149 EA Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	1,713.68	397.27
23 09 23 00-0150 EA >10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	1,517.94	234.39
23 09 23 00-0151 EA Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	1,819.26	397.27
23 09 23 00-0152 EA >10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	1,623.46	264.06
23 09 23 00-0153 EA Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	2,209.44	397.27
23 09 23 00-0154 EA >10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,034.83	253.83
23 09 23 00-0155 EA Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	2,420.59	397.27
23 09 23 00-0156 EA >10 Field Installed Application Specific Unit Ventilator Controller Assemblies	2,245.93	297.32
23 09 23 00-0157 DDC Programmable Controller Assemblies (23 09 23 00-0106)		
Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 00-0164 for additional components.		
23 09 23 00-0158 EA 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	1,420.07	305.16
23 09 23 00-0159 EA Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	1,684.16	305.16
23 09 23 00-0160 EA 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	2,308.46	358.89
23 09 23 00-0161 EA Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	2,572.56	358.89
23 09 23 00-0162 EA 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	4,344.32	420.30
23 09 23 00-0163 EA Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	4,649.60	420.30
23 09 23 00-0164 EMCS Optional DDC Controller Hardware (23 09 23 00-0106)		
Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 00-0165 EA 6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005)	317.56	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0166 EA 6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011).....	367.01	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0167 EA 3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001)	384.42	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0168 EA VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	362.83	
23 09 23 00-0169 EA VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	368.40	
23 09 23 00-0170 EA VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	360.04	
23 09 23 00-0171 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	309.90	
23 09 23 00-0172 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	269.51	
23 09 23 00-0173 EA Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	394.86	
23 09 23 00-0174 EA Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	353.08	
23 09 23 00-0175 EA Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	389.99	
23 09 23 00-0176 EA Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	828.03	
23 09 23 00-0177 EA Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	1,029.99	
23 09 23 00-0178 EA Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	514.65	
23 09 23 00-0179 EA Remote IO, UUKL-UJL 864 Approved (Honeywell W7761A2010)	506.99	
23 09 23 00-0180 EA Hydronic Controller Without Wall Module (Honeywell W7762B1027).....	248.62	
23 09 23 00-0181 EA Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	282.74	
23 09 23 00-0182 EA IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	522.31	
23 09 23 00-0183 EA IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	558.52	
23 09 23 00-0184 EA AI Module (Honeywell XFL521B).....	349.60	
23 09 23 00-0185 EA AO Module (Honeywell XFL522B).....	349.60	
23 09 23 00-0186 EA DI Module (Honeywell XFL523B).....	349.60	
23 09 23 00-0187 EA DO Module (Honeywell XFL524B).....	349.60	
23 09 23 00-0188 EA Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	61.98	
23 09 23 00-0189 EA Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	117.00	
23 09 23 00-0190 EA Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	114.91	
23 09 23 00-0191 EA Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	351.69	
23 09 23 00-0192 EA Lon Hub (Honeywell XIO-HUB)	52.23	
23 09 23 00-0193 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	351.69	
23 09 23 00-0194 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	323.83	
23 09 23 00-0195 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	323.83	
23 09 23 00-0196 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC).....	341.24	
23 09 23 00-0197 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	341.24	
23 09 23 00-0198 EA Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	490.97	
23 09 23 00-0199 EA 16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	579.41	
Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 00-0200 EA 34 Point IO Module For Network Area Controllers (Honeywell W7750A2005)	1,231.25	
Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		
23 09 23 00-0201 EMCS Software (23 09 23 00-0105)		
23 09 23 00-0202 Software Packages And License (23 09 23 00-0201)		
Note: Includes installation on equipment.		
23 09 23 00-0203 EA On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	392.78	
Note: Requires UI services to be installed on NAC.		
23 09 23 00-0204 EA Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	1,447.95	
Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 00-0205 EA WEBStation-AX Software For Windows (Honeywell WEB-S-AX).....	4,387.38	
Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 00-0206 EA Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	2,611.54	
Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 00-0207 EA Upgrade Small Building To Large Building Software	2,910.41	
Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**
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23 09 23 00-0208	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W)	2,008.64
		Note: One copy is included with WEB-S-AX and WEBStation-AX.	
23 09 23 00-0209	EA	WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX)	3,641.72
		Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	
23 09 23 00-0210	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX)	406.89
		Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	
23 09 23 00-0211	EA	Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX)	243.24
		Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	
23 09 23 00-0212	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters	20,079.78
		Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	
23 09 23 00-0213	EA	Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX)	18,298.57
		Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	
23 09 23 00-0214	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	6,996.13
23 09 23 00-0215	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	5,220.29
23 09 23 00-0216	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	1,509.12
23 09 23 00-0217	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	1,509.12
23 09 23 00-0218	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL)	10,446.15
		Note: Excludes Oracle.	
23 09 23 00-0219	EA	Open System Driver Option (Honeywell WS-SNMP-500)	1,392.82
		Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	
23 09 23 00-0220	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	1,509.12
23 09 23 00-0221	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003)	3,946.56
		Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	
23 09 23 00-0222	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	1,509.12
23 09 23 00-0223	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	25,303.36
23 09 23 00-0224	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	46,427.57
23 09 23 00-0225	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	81,248.07
23 09 23 00-0226	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	4,178.46
23 09 23 00-0227	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	2,089.23
23 09 23 00-0228	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	1,579.65
23 09 23 00-0229	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055)	1,761.33
		Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.	

23 09 23 00-0230 Initial Database Generation (23 09 23 00-0201)

23 09 23 00-0231	PNT	Database Generation For Central Plant	34.34
23 09 23 00-0232	PNT	Database Generation For Programmable Controller	34.34
		Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	
23 09 23 00-0233	EA	Database Generation For Application Specific Controller	34.34
		Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	
23 09 23 00-0234	EA	Replication Of Database Generation For Application Specific Controller	23.90
		Note: Price per copy made.	
23 09 23 00-0235	EA	Database Generation For Remote IO Modules, Sensors, Etcetera	23.90

23 09 23 00-0236 Application Software Programs (23 09 23 00-0201)

23 09 23 00-0237	EA	Basic Application Program Package	1,432.90
		Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	
23 09 23 00-0238	EA	Optimum Start/Stop Program	47.90
		Note: Priced per controller requiring optimum start programming.	
23 09 23 00-0239	EA	Duty Cycling Program	22.62
23 09 23 00-0240	EA	Hot Deck/Cold Deck Reset Application Program	2,461.68
23 09 23 00-0241	EA	Boiler Optimization Program	3,225.89
23 09 23 00-0242	EA	Chiller Optimization Program	4,369.79
23 09 23 00-0243	EA	Lighting Control Program	2,108.69
23 09 23 00-0244	EA	Demand Limiting Program	42.01
		Note: Priced per controller requiring optimum start programming.	
23 09 23 00-0245	EA	Email Alarm Server Configuration	1,626.77

23 09 23 00-0246 Color Graphics Generation (23 09 23 00-0201)

		Note: Priced per page.	
23 09 23 00-0247	EA	Single Site Home Page Graphics Page With HTML Navigation Code	858.62
23 09 23 00-0248	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	1,524.46
23 09 23 00-0249	EA	Color Graphics Page For Central Plant	390.11
23 09 23 00-0250	EA	Color Graphics Page For Building Floor Plan	360.22
23 09 23 00-0251	EA	Replication Of Color Graphics Page For Central Plant	195.69
23 09 23 00-0252	EA	Color Graphics Page For Programmable Controller	438.88
		Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	
23 09 23 00-0253	EA	Replication Of Color Graphics Page For Programmable Controller	93.85
		Note: Priced per copy made.	
23 09 23 00-0254	EA	Color Graphics Page For Application Specific Controller	405.92
		Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	



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23 09 23 00-0255 EA Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	40.59	
23 09 23 00-0256 Sensors, Actuators And Control Devices (23 09 23 00-0105) Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 00-0257 Special Sensors (23 09 23 00-0256)		
23 09 23 00-0258 EA Dewpoint Sensor (Honeywell C7232B1014).....	1,192.59	31.68
23 09 23 00-0259 EA Enthalpy Sensor -25 To 125 F.....	1,246.40	31.68
23 09 23 00-0260 EA Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002).....	505.80	63.36
23 09 23 00-0261 EA Freezestat (Honeywell L482A1004).....	334.72	105.58
23 09 23 00-0262 EA Wall Mounted Occupancy Sensor.....	255.90	31.68
23 09 23 00-0263 EA Ceiling Mounted Occupancy Sensor.....	196.57	31.68
23 09 23 00-0264 EA I/P Positioner With Gauge.....	232.59	31.68
23 09 23 00-0265 EA Non Communicating Duct Mounted Smoke Detector With Sampling Tube.....	277.66	31.68
23 09 23 00-0266 EA EP Transducer.....	232.59	21.13
23 09 23 00-0267 EA Electric Heat Sequencer.....	362.46	42.22
23 09 23 00-0268 Meters (23 09 23 00-0256)		
23 09 23 00-0269 EA KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps.....	2,378.48	253.32
23 09 23 00-0270 EA KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps With LON interface.....	3,412.26	295.53
23 09 23 00-0271 EA Current Transformer For KW Meter 1 - 300 Amps.....	789.58	105.58
23 09 23 00-0272 EA Current Transformer For KW Meter 300 - 800 Amps.....	928.23	105.58
23 09 23 00-0273 EA Current Transformer For KW Meter 800 - 2,400 Amp.....	1,194.13	105.58
23 09 23 00-0274 Direct Coupled Actuators (23 09 23 00-0256)		
23 09 23 00-0275 EA 44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	301.21	36.36
23 09 23 00-0276 EA 88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	340.27	36.36
23 09 23 00-0277 EA 175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	407.43	36.36
23 09 23 00-0278 EA 44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	278.35	36.36
23 09 23 00-0279 EA 88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	320.36	36.36
23 09 23 00-0280 EA 175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	361.96	36.36
23 09 23 00-0281 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....	322.66	36.36
23 09 23 00-0282 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	382.55	36.36
23 09 23 00-0283 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	447.21	36.36
23 09 23 00-0284 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	247.19	36.36
23 09 23 00-0285 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	279.08	36.36
23 09 23 00-0286 EA 175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	343.16	36.36
23 09 23 00-0287 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	373.32	36.36
23 09 23 00-0288 EA 300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	372.94	36.36
23 09 23 00-0289 EA 300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	455.66	36.36
23 09 23 00-0290 EA Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	260.26	36.36
23 09 23 00-0291 EA Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	482.98	36.36
23 09 23 00-0292 EA Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator.....	187.15	36.36
23 09 23 00-0293 EA Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	299.35	36.36
23 09 23 00-0294 Thermostats (23 09 23 00-0105)		
23 09 23 00-0295 Electric And Electronic Thermostats (23 09 23 00-0294) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 00-0296 EA Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018).....	107.20	7.68
23 09 23 00-0297 EA Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320).....	117.10	7.68
23 09 23 00-0298 EA Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110).....	106.11	7.68
23 09 23 00-0299 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220).....	121.17	7.68
23 09 23 00-0300 EA Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320).....	132.50	7.68
23 09 23 00-0301 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321).....	205.09	7.68
23 09 23 00-0302 EA Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F).....	308.47	7.68
23 09 23 00-0303 EA Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	512.89	7.68
23 09 23 00-0304 EA Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	548.41	7.68
23 09 23 00-0305 Pneumatic Thermostats (23 09 23 00-0294) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 00-0306 EA Pneumatic Thermostat (Honeywell TP970B2182).....	160.79	7.68

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0307			Thermostats Guards (23 09 23 00-0294)		
23 09 23 00-0308	EA		9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	36.75	7.68
23 09 23 00-0309	EA		7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511).....	45.00	7.68
23 09 23 00-0310	EA		5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	42.03	7.68
23 09 23 00-0311			Delta Controls (23 09 23)		
23 09 23 00-0312			Software (23 09 23 00-0311)		
			Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0313	EA		Orca Software Unlimited Points License (Delta Controls DOW333-USB).....	1,317.06	
23 09 23 00-0314	EA		Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB).....	2,314.98	
23 09 23 00-0315	EA		Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB).....	5,015.79	
23 09 23 00-0316	EA		Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB).....	7,876.17	
23 09 23 00-0317	EA		Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB).....	4,017.87	
23 09 23 00-0318	EA		Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	1,317.06	
23 09 23 00-0319	EA		100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01).....	3,246.21	
23 09 23 00-0320	EA		1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02).....	4,017.87	
23 09 23 00-0321	EA		KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amp CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	1,369.91	51.17
23 09 23 00-0322	EA		Delta Controls Touch Screen (Delta Controls DHMI-7-I).....	1,563.79	
23 09 23 00-0323			EMCS Central Equipment And Controllers (23 09 23 00-0311)		
23 09 23 00-0324	EA		Fully Programmable, Native BACnet Building Controller, 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 bps, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E + DFM1616).....	4,402.08	204.70
23 09 23 00-0325	EA		Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 Bps (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E).....	3,167.43	204.70
23 09 23 00-0326	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	2,139.19	204.70
23 09 23 00-0327	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180).....	2,139.19	204.70
23 09 23 00-0328	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	2,139.19	204.70
23 09 23 00-0329	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	1,951.15	204.70
23 09 23 00-0330	EA		VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF).....	750.86	102.36
23 09 23 00-0331	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	667.91	102.36
23 09 23 00-0332	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	722.94	102.36
23 09 23 00-0333	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	667.91	102.36
23 09 23 00-0334	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616).....	1,746.42	127.94
23 09 23 00-0335	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440).....	406.97	51.17
23 09 23 00-0336	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404).....	441.95	51.17
23 09 23 00-0337	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....	532.66	51.17
23 09 23 00-0338			Network, VAV And Special Sensors (23 09 23 00-0311)		
23 09 23 00-0339	EA		BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24).....	145.06	16.37
23 09 23 00-0340	EA		BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24).....	200.39	18.43
23 09 23 00-0341	EA		Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	412.88	7.68
23 09 23 00-0342			Trane Controls (23 09 23)		
23 09 23 00-0343			Software (23 09 23 00-0342)		
			Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0344	EA		Summit + Building Management Package (Trane 40201152).....	2,274.73	
23 09 23 00-0345	EA		Summit Current Version Software (Trane 40201111).....	2,285.86	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include equipment like Summit BTMX Operator Display Upgrade, AHU Controller MP581, FCU Controller ZN511, and Johnson Controls Software.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 09 23 00-0421	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	176.92	
23 09 23 00-0422 Supervisory Controllers (23 09 23 00-0412)				
23 09 23 00-0423	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	4,274.09	204.70
23 09 23 00-0424	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	6,969.42	204.70
23 09 23 00-0425	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	9,670.73	204.70
23 09 23 00-0426	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	3,235.86	204.70
23 09 23 00-0427 Controllers (23 09 23 00-0412)				
23 09 23 00-0428	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	491.12	51.17
23 09 23 00-0429	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	670.84	102.36
23 09 23 00-0430	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	821.86	102.36
23 09 23 00-0431	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	1,001.57	102.36
23 09 23 00-0432	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	388.01	51.17
23 09 23 00-0433	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	433.84	51.17
23 09 23 00-0434	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	502.58	51.17
23 09 23 00-0435	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	511.74	51.17
23 09 23 00-0436	EA	BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (Cooling Only), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1610-0)	485.27	51.17
23 09 23 00-0437	EA	BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (With Reheat And Fan Control), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1620-0)	511.98	51.17
23 09 23 00-0438	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	1,048.34	102.36
23 09 23 00-0439 Master FX Controllers (23 09 23 00-0412)				
23 09 23 00-0440	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	1,364.54	102.36
23 09 23 00-0441	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	1,473.25	102.36
23 09 23 00-0442	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	1,527.27	102.36
23 09 23 00-0443	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	1,494.44	102.36
23 09 23 00-0444	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	1,443.13	102.36
23 09 23 00-0445	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	1,451.36	102.36
23 09 23 00-0446	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	1,443.13	102.36
23 09 23 00-0447	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	1,473.37	102.36
23 09 23 00-0448	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	1,567.25	102.36
23 09 23 00-0449	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	1,629.83	102.36
23 09 23 00-0450	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	1,598.54	102.36
23 09 23 00-0451	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	1,534.48	102.36
23 09 23 00-0452	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	1,473.37	102.36
23 09 23 00-0453	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	1,567.25	102.36
23 09 23 00-0454	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	1,629.83	102.36
23 09 23 00-0455	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	1,598.54	102.36
23 09 23 00-0456	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	1,534.48	102.36
23 09 23 00-0457	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	162.05	25.59
23 09 23 00-0458	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	239.07	25.59
23 09 23 00-0459	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	183.67	25.59
23 09 23 00-0460	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	162.05	25.59
23 09 23 00-0461	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	453.67	25.59
23 09 23 00-0462	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	414.05	25.59
23 09 23 00-0463	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	423.33	25.59
23 09 23 00-0464	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	423.33	25.59
23 09 23 00-0465	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	469.66	25.59
23 09 23 00-0466	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	469.66	25.59



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0467	EA		6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	602.88	25.59
23 09 23 00-0468	EA		6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	602.88	25.59
23 09 23 00-0469	EA		6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	678.17	25.59
23 09 23 00-0470	EA		6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	678.17	25.59
23 09 23 00-0471			VAV, Network And Special Sensors (23 09 23 00-0412)		
23 09 23 00-0472	EA		3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	326.54	16.37
23 09 23 00-0473	EA		3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	99.29	16.37
23 09 23 00-0474	EA		3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	249.33	16.37
23 09 23 00-0475	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	380.38	16.37
23 09 23 00-0476	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	116.30	16.37
23 09 23 00-0477	EA		3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	343.43	16.37
23 09 23 00-0478			Sensors - Hard Wired Type (23 09 23 00-0412)		
23 09 23 00-0479	EA		Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	83.95	29.48
23 09 23 00-0480	EA		Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	79.83	16.37
23 09 23 00-0481	EA		BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2)..... Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	250.84	7.68
23 09 23 00-0482	EA		BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2)..... Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 VDC control input, three speeds of fan control, and dehumidification capability.	344.89	7.68
23 09 23 00-0483	EA		BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2)..... Note: For VVT systems.	251.36	7.68
23 09 23 00-0484	EA		BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	335.04	16.37
23 09 23 00-0485	EA		BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	416.43	16.37
23 09 23 00-0486			Automated Logic Controls (23 09 23)		
23 09 23 00-0487	EA		Up To 25 Point, High Speed Ethernet Router (Automated Logic LGR25).....	2,345.64	163.76
23 09 23 00-0488	EA		Up To 250 Point, High Speed Ethernet Router (Automated Logic LGR250).....	2,863.85	163.76
23 09 23 00-0489	EA		Up To 1,000 Point, High Speed Ethernet Router (Automated Logic LGR1000).....	4,589.64	163.76
23 09 23 00-0490	EA		Up 25 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR25).....	2,762.06	163.76
23 09 23 00-0491	EA		Up 200 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR200).....	5,006.05	163.76
23 09 23 00-0492	EA		ME812u Controller And Router (Automated Logic ME812u-LGR).....	6,542.02	327.52
23 09 23 00-0493	EA		4 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEx48u).....	1,686.32	163.76
23 09 23 00-0494	EA		8 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEx88u).....	2,063.41	163.76
23 09 23 00-0495	EA		0 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEx016u).....	1,848.26	163.76
23 09 23 00-0496	EA		8 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEx816u).....	3,990.28	409.40
23 09 23 00-0497	EA		0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	1,817.07	122.82
23 09 23 00-0498	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	3,924.38	368.46
23 09 23 00-0499	EA		2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	1,197.08	122.82
23 09 23 00-0500	EA		4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	2,669.52	163.76
23 09 23 00-0501	EA		8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	2,623.25	163.76
23 09 23 00-0502	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	4,136.08	327.52
23 09 23 00-0503	EA		8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	2,322.51	163.76
23 09 23 00-0504	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	2,390.79	122.82
23 09 23 00-0505	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	3,858.47	327.52
23 09 23 00-0506	EA		No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	726.34	81.88
23 09 23 00-0507	EA		With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	772.60	81.88
23 09 23 00-0508	EA		6 Digital Outputs, 10 Universal Inputs, 4 Analog Outputs Single Equipment Control Module (Automated Logic SE6104a).....	2,404.54	286.59
23 09 23 00-0509	EA		6 Digital Outputs, 16 Universal Inputs, 6 Analog Outputs Single Equipment Control Module (Automated Logic SE6166).....	3,002.52	327.52
23 09 23 00-0510	EA		2 Digital Outputs, 2 Universal Inputs Zone Controller (Automated Logic ZN220).....	792.23	122.82
23 09 23 00-0511	EA		2 Digital Outputs, 5 Universal Inputs, 3 Analog Outputs Zone Controller (Automated Logic ZN253).....	970.36	122.82
23 09 23 00-0512	EA		3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	800.36	81.88
23 09 23 00-0513	EA		1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	779.54	81.88
23 09 23 00-0514	EA		5 Digital Outputs, 5 Universal Inputs, 1 Analog Outputs Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic ZN551).....	912.99	122.82
23 09 23 00-0515	EA		Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	799.17	122.82
23 09 23 00-0516	EA		Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	7,289.32	
23 09 23 00-0517	EA		500 Point, Front End Software For Building Control (Automated Logic WC500).....	2,523.71	
23 09 23 00-0518	EA		Advanced Reporting Option, Front End Software For Building Control (Automated Logic WC-ADV-REP).....	1,334.76	
23 09 23 00-0519	EA		Advanced Security Option, Front End Software For Building Control (Automated Logic WC-ADV-SEC).....	1,797.44	
23 09 23 00-0520	EA		Advanced Alarming Option, Front End Software For Building Control (Automated Logic WC-ADV-ALARM).....	1,744.16	
23 09 23 00-0521	EA		Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	2,722.80	
23 09 23 00-0522			Alerton Controls (23 09 23)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0592 EA Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	787.15	81.88
23 09 23 00-0593 EA BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	702.67	81.88
23 09 23 00-0594 EA Replacement Door Lock And Key Assembly (Siemens 567-225).....	18.76	
23 09 23 00-0595 EA Insight Advanced Software Package (Siemens 571-010-381-USB).....	8,283.46	
Note: Includes one user license and one sentinel key.		
23 09 23 00-0596 EA BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	216.03	
23 09 23 00-0597 EA Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	1,287.98	
23 09 23 00-0598 EA 1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	234.57	5.85
23 09 23 00-0599 EA 2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062).....	494.40	10.15
23 09 23 00-0600 EA Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	7,044.06	204.70
23 09 23 00-0601 EA SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	8,019.73	204.70
23 09 23 00-0602 EA 7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	80.35	7.68
23 09 23 00-0603 EA Two Position, 24 VAC/VDC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	269.24	36.36
23 09 23 00-0604 EA Modulating, 0 To 10 VDC, , 24 VAC/VDC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	283.05	36.36
23 09 23 00-0605 EA License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36- PE.A (Siemens LSM-36.A)	2,800.90	
23 09 23 00-0606 EA License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	695.77	
23 09 23 00-0607 EA License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	1,877.38	
23 09 23 00-0608 EA License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM- FPWEB).....	1,354.55	
23 09 23 00-0609 EA License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	1,218.06	
23 09 23 00-0610 EA License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	3,375.51	
23 09 23 00-0611 EA 16-Switch HOA Upgrade Kit (Siemens PXA16-M)	468.51	
23 09 23 00-0612 EA 16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	523.31	
23 09 23 00-0613 EA 8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	263.25	
23 09 23 00-0614 EA 18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	290.32	25.59
23 09 23 00-0615 EA 19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	504.69	25.59
23 09 23 00-0616 EA 34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	687.74	25.59
23 09 23 00-0617 EA Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24- Point Compact Series (Siemens PXA-HMI.CABLEP5).....	19.72	
23 09 23 00-0618 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	549.79	25.59
23 09 23 00-0619 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	826.16	25.59
23 09 23 00-0620 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	651.61	25.59
23 09 23 00-0621 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	942.54	25.59
23 09 23 00-0622 EA PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,072.31	286.59
23 09 23 00-0623 EA PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	3,292.16	81.88
23 09 23 00-0624 EA Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	4,520.37	327.52
23 09 23 00-0625 EA 16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	1,791.86	153.53
23 09 23 00-0626 EA 16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	1,959.26	153.53
23 09 23 00-0627 EA 16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	1,791.86	153.53
23 09 23 00-0628 EA 24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,347.53	163.76
23 09 23 00-0629 EA 24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	2,431.20	163.76
23 09 23 00-0630 EA 24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,395.72	163.76
23 09 23 00-0631 EA 24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2- ERF.A).....	2,557.59	163.76
23 09 23 00-0632 EA 24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,347.53	163.76
23 09 23 00-0633 EA 24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	2,474.31	163.76
23 09 23 00-0634 EA 36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	3,740.53	286.59
23 09 23 00-0635 EA 36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	6,318.77	327.52
23 09 23 00-0636 EA License To Enable The Island Bus On PXC00-E96.A And PXC00-PE96.A (Siemens PXF-TXIO.A).....	966.74	
23 09 23 00-0637 EA Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	359.15	20.47
23 09 23 00-0638 EA Controller Mounted Operator Display Module (Siemens PXM10T).....	384.22	40.94
23 09 23 00-0639 EA Provides FLN Support For The PXC Modular, Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported (Siemens PXX-485.3)	504.02	10.23
23 09 23 00-0640 EA Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	180.04	29.48
23 09 23 00-0641 EA Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	131.42	16.37
23 09 23 00-0642 EA 4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	79.24	16.37
23 09 23 00-0643 EA 8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	109.39	29.48
23 09 23 00-0644 EA 24" Flexible Averaging Probe (Siemens QAM2012.750).....	172.39	29.48
23 09 23 00-0645 EA 2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	166.01	29.48
23 09 23 00-0646 EA 10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	1,860.20	164.89
23 09 23 00-0647 EA Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	16.33	5.12
23 09 23 00-0648 EA Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.37	
23 09 23 00-0649 EA 16 Digital Input Module (Siemens TXM1.16D).....	709.18	81.88
23 09 23 00-0650 EA 6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M).....	1,066.60	122.82
23 09 23 00-0651 EA 8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,364.34	122.82
23 09 23 00-0652 EA 1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	429.12	16.37

23 09 23 00-0653 Cypress Envirosystems Controls (23 09 23)

23 09 23 00-0654 Wireless Pneumatic Thermostat (23 09 23 00-0653)

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 00-0655	EA		Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	584.03	5.12
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-31.52	
			For >200, Deduct	-62.99	
23 09 23 00-0656	EA		Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	584.03	5.12
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-31.52	
			For >200, Deduct	-62.99	
23 09 23 00-0657	EA		Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP).....	584.03	5.12
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-31.52	
			For >200, Deduct	-62.99	
23 09 23 00-0658	EA		Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP).....	584.03	5.12
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-31.52	
			For >200, Deduct	-62.99	
23 09 23 00-0659	EA		Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB).....	668.46	5.12
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-36.22	
			For >200, Deduct	-72.37	
23 09 23 00-0660	EA		Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB).....	668.46	5.12
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-36.22	
			For >200, Deduct	-72.37	
23 09 23 00-0661	EA		Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB).....	668.46	5.12
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-36.22	
			For >200, Deduct	-72.37	
23 09 23 00-0662	EA		Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB).....	668.46	5.12
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-36.22	
			For >200, Deduct	-72.37	
23 09 23 00-0663	EA		Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV).....	41.32	5.12
			Note: Optional cover.		
			For >50 To 200, Deduct	-2.01	
			For >200, Deduct	-4.02	
23 09 23 00-0664	EA		Green Box Controller (Cypress Envirosystems GBC-800-001).....	3,429.53	5.12
			Note: One unit for up to 100 thermostats.		
			For 2, Deduct	-179.30	
			For >2, Deduct	-358.28	
23 09 23 00-0665	EA		WPT USB Hub (Cypress Envirosystems WPT-800-HUSB).....	407.98	5.12
			Note: One unit for up to 100 thermostats.		
			For 2, Deduct	-22.40	
			For >2, Deduct	-44.76	
23 09 23 00-0666	EA		WPT Repeater (Cypress Envirosystems WPT-800-RWAL).....	447.80	5.12
			Note: One unit for up to 15 thermostats.		
			For >5 To 10, Deduct	-23.47	
			For >10, Deduct	-46.91	
23 09 23 00-0667	EA		24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V).....	542.14	5.12
			Note: One unit for up to 15 thermostats.		
			For >5 To 10, Deduct	-27.30	
			For >10, Deduct	-54.55	

23 09 23 00-0668 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23)

23 09 23 00-0669 Temperature Sensors (23 09 23 00-0668)

23 09 23 00-0670	EA		10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	102.58	29.48
23 09 23 00-0671	EA		10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO).....	129.47	29.48
23 09 23 00-0672	EA		10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG).....	106.32	29.48
23 09 23 00-0673	EA		10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH).....	104.53	29.48
23 09 23 00-0674	EA		10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18).....	154.78	29.48
23 09 23 00-0675	EA		10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	114.51	29.48
23 09 23 00-0676	EA		10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP).....	105.36	29.48
23 09 23 00-0677	EA		10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4).....	123.67	29.48
23 09 23 00-0678	EA		10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW).....	119.19	29.48
23 09 23 00-0679	EA		10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24).....	146.20	40.94
23 09 23 00-0680	EA		10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25).....	152.57	40.94
23 09 23 00-0681	EA		Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	61.38	16.37
23 09 23 00-0682	EA		Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R).....	64.07	16.37
23 09 23 00-0683	EA		Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	64.07	16.37

23 09 23 00-0684 Water Temperature Sensors (23 09 23 00-0668)

23 09 23 00-0685	EA		5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	78.16	31.68
23 09 23 00-0686	EA		Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005).....	169.46	31.68

23 09 23 00-0687 Relative Humidity Sensors (23 09 23 00-0668)

23 09 23 00-0688	EA		3% Duct Mounted RH Sensor (Kele HD30K).....	279.25	29.48
23 09 23 00-0689	EA		10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3).....	289.89	29.48
23 09 23 00-0690	EA		3% RH Outdoor Air Sensor (Kele HO30K).....	317.19	40.94
23 09 23 00-0691	EA		2% Surface Mounted RH Transmitter (Kele HW20K).....	253.86	16.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0692 Pressure Sensors <small>(23 09 23 00-0668)</small>		
23 09 23 00-0693 EA Differential Pressure Transmitters With NEMA 1 Case, 0 To .5" W.C. (Kele T30-005).....	354.48	34.58
23 09 23 00-0694 EA Differential Pressure Transmitters With NEMA 1 Case, 0 To 5" W.C. (Kele T30-050).....	320.73	34.58
23 09 23 00-0695 EA Adjustable Differential Pressure Switches, .05 To 12" W.C. (Kele AFS-222)	119.37	34.58
23 09 23 00-0696 EA Adjustable Differential Pressure Switches, .05 To 2" W.C. (Kele AFS-262)	121.04	34.58
23 09 23 00-0697 EA Manual Reset Adjustable Differential Pressure Switches, .4 To 2" W.C. (Kele AFS-460)	133.02	34.58
23 09 23 00-0698 EA Adjustable Differential Pressure Switches, .05 To 12" W.C., 1/8" NPT (Kele AFS-145)	118.28	34.58
23 09 23 00-0699 EA Water Differential Pressure Transmitter, 0 To 100psid, Bypass Valve Assembly Option (Kele 360C-P210D-BVA)	1,564.31	34.58
Note: Excludes pipe fittings.		
23 09 23 00-0700 EA Water Differential Pressure Transmitter, 0 To 60psid, Bypass Valve Assembly Option (Kele 360C-P160D-BVA)	1,564.31	34.58
Note: Excludes pipe fittings.		
23 09 23 00-0701 EA Magnahelic Gauge.....	368.76	21.13
23 09 23 00-0702 Water Flow Meters <small>(23 09 23 00-0668)</small>		
23 09 23 00-0703 EA Insertion Electromagnetic Water Flow Meter (Onicon F-3500)	2,866.65	39.95
Note: Excludes pipe fittings.		
23 09 23 00-0704 EA Dual Turbine Insertion Flow Meter With Analog Output (Onicon F-1210)	142.19	13.31
Note: Excludes pipe fittings.		
23 09 23 00-0705 Air Flow Monitoring Stations <small>(23 09 23 00-0668)</small>		
23 09 23 00-0706 EA Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116)	2,230.32	42.31
Note: 10' cable, 36" x 24" typical duct size.		
23 09 23 00-0707 EA Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)	3,228.14	42.31
Note: 10' cable, 48" x 36" typical duct size.		
23 09 23 00-0708 EA Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)	4,032.61	42.31
Note: 10' cable, 60" x 48" typical duct size.		
23 09 23 00-0709 Gas Sensors <small>(23 09 23 00-0668)</small>		
23 09 23 00-0710 EA 6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	1,188.56	24.56
23 09 23 00-0711 EA Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	428.50	16.37
23 09 23 00-0712 EA CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2).....	940.07	24.56
Note: Solid state sensor.		
23 09 23 00-0713 EA CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	495.93	29.48
23 09 23 00-0714 Room Pressure Monitoring <small>(23 09 23 00-0668)</small>		
23 09 23 00-0715 EA Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	1,840.43	22.03
23 09 23 00-0716 EA Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC).....	3,000.39	22.03
Note: Excludes dampers and actuators.		
23 09 23 00-0717 EA Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	223.89	13.22
23 09 23 00-0718 EA Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	260.91	13.22
23 09 23 00-0719 Current Switches And Current Sensors <small>(23 09 23 00-0668)</small>		
23 09 23 00-0720 EA Current Sensor, 0-20 Amp, 0-5 Volt DC (Senva C-1203)	58.72	16.37
23 09 23 00-0721 EA Current Sensor, 0-20 Amp, 4-20mA (Senva C-1205)	60.93	16.37
23 09 23 00-0722 EA VFD Current Switch, 0.5-135 Amp Range, Split Core (Senva C-2350VFD-L)	84.28	16.37
23 09 23 00-0723 EA Current Switch, 0.15-100 Amp Range, Split Core With NC Command Relay (Senva C-2300 And CR4-24).....	65.41	16.37
23 09 23 00-0724 EA DC Current Sensor, Split Core, 0-50/100/200 Amp (Selectable), 4-20mA, 0-5 Volt DC (Veris H970HCA).....	140.26	16.37
23 09 23 00-0725 EA DC Current Sensor, Split Core, 0-20/40/80 Amp (Selectable), 0-20mA, 0-5 Volt DC (Veris H970LCC).....	140.26	16.37
23 09 23 00-0726 EA Current Switch, 1-135 Amp, N.O. Contact 1A @ 110 Volt (Veris H709)	85.85	16.37
23 09 23 00-0727 EA Current Switch, 0-10/20/40 Amp, 4-20mA Analog Output, Solid Core, Loop Powered (Veris H721).....	95.68	16.37
23 09 23 00-0728 EA Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	3,093.72	81.88
23 09 23 00-0729 EA Power Transducer, Modbus RTU, 100 Amp (Veris H8035-0100-2).....	475.43	16.37
Note: 3 phase networked transducer.		
23 09 23 00-0730 EA Energy Meter, Three Current Switches, Pulse Output, Phase Loss Alarm Output, 2,400 Amp (Veris H8163-2400-4-3).....	717.88	16.37
23 09 23 00-0731 EA Current Transducer, 0-20 Amp, 0-5 Volt DC (Kele 4CTV).....	137.25	16.37
23 09 23 00-0732 EA Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800).....	145.28	43.49
23 09 23 00-0733 EA Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	153.43	43.49
23 09 23 00-0734 EA Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	162.73	43.49
23 09 23 00-0735 EA Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	174.36	43.49
23 09 23 00-0736 EA Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	202.24	43.49
23 09 23 00-0737 EA Toggle Switch	59.30	20.47
23 09 23 00-0738 EA Maintained Pushbutton Switch.....	64.54	20.47
23 09 23 00-0739 EA Manual Time Switch	113.93	20.47
23 09 23 00-0740 EA Emergency Stop Switch.....	202.26	20.47
23 09 23 00-0741 EA Float Switch	176.75	20.47
23 09 23 00-0742 EA Break Glass Switch.....	641.71	20.47
23 09 23 00-0743 EA Boiler E-Stop Switch.....	355.79	20.47
23 09 23 00-0744 Relays <small>(23 09 23 00-0668)</small>		
23 09 23 00-0745 EA DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V).....	52.04	16.37
23 09 23 00-0746 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	62.15	16.37

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 09 Instrumentation And Control For HVAC

23 09 23 Direct-Digital Control System For HVAC



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Table with 3 columns: Item ID, Description, and Unit Cost. Items include SPDT relays, motor starter interfaces, DP and SP relays, and voltage monitors.

23 09 23 00-0758 Surge Protectors (23 09 23 00-0668)

Table with 3 columns: Item ID, Description, and Unit Cost. Items include surge protectors of various types and connection methods.

23 09 23 00-0767 Transformers (23 09 23 00-0668)

Table with 3 columns: Item ID, Description, and Unit Cost. Items include control transformers with different voltage and current ratings.

23 09 23 00-0773 Power Supplies (23 09 23 00-0668)

Table with 3 columns: Item ID, Description, and Unit Cost. Items include DC power supplies for various applications.

23 09 23 00-0781 Control Damper Actuators (23 09 23 00-0668)

Table with 3 columns: Item ID, Description, and Unit Cost. Items include damper actuators with different control and spring return features.

23 09 23 00-0788 Valves With Actuator (23 09 23 00-0668)

Table with 3 columns: Item ID, Description, and Unit Cost. Items include various globe valves with actuators in different sizes and configurations.



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various valve actuators with descriptions and costs.

23 09 23 00-0855 Valve Actuators (23 09 23 00-0855)

Table listing specific valve actuator items (23 09 23 00-0856 to 23 09 23 00-0875) with descriptions and costs.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 09 23 00-0876	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	556.45	46.05
23 09 23 00-0877	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	601.05	46.05
23 09 23 00-0878	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	382.27	46.05
23 09 23 00-0879	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	461.49	46.05
23 09 23 00-0880	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,287.32	46.05
23 09 23 00-0881	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	1,445.77	46.05
23 09 23 00-0882	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	1,786.81	46.05
23 09 23 00-0883	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,025.52	46.05
23 09 23 00-0884	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	2,384.92	46.05
23 09 23 00-0885	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	2,824.08	46.05
23 09 23 00-0886	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	3,734.90	46.05
23 09 23 00-0887	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	4,585.38	46.05

23 09 23 00-0888 Rectangular Volume Control Dampers (23 09 23 00-0668)

Note: Excludes actuators.

23 09 23 00-0889	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	101.40	13.66
23 09 23 00-0890	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	114.85	14.99
23 09 23 00-0891	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	128.72	16.53
23 09 23 00-0892	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	148.45	19.39
23 09 23 00-0893	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	167.74	22.03
23 09 23 00-0894	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	166.26	24.79
23 09 23 00-0895	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	207.95	27.54
23 09 23 00-0896	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	248.12	33.05
23 09 23 00-0897	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	323.89	38.57
23 09 23 00-0898	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	498.83	44.08
23 09 23 00-0899	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	957.27	49.59
23 09 23 00-0900	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	1,226.73	55.10

23 09 23 00-0901 Round Control Galvanized Dampers (23 09 23 00-0668)

Note: Excludes actuators.

23 09 23 00-0902	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	97.80	16.53
23 09 23 00-0903	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	97.86	16.53
23 09 23 00-0904	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	103.05	16.53
23 09 23 00-0905	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	109.47	16.53
23 09 23 00-0906	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	128.71	16.53
23 09 23 00-0907	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	142.08	22.03
23 09 23 00-0908	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	191.72	23.20
23 09 23 00-0909	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	200.79	24.04
23 09 23 00-0910	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	212.39	25.92
23 09 23 00-0911	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	224.27	27.80

23 09 23 00-0912 Peco Thermostats and Sensors (23 09 23 00-0668)

23 09 23 00-0913	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	285.61	7.68
23 09 23 00-0914	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	375.79	7.68
23 09 23 00-0915	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	165.13	11.51
23 09 23 00-0916	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	137.14	11.51
23 09 23 00-0917	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001).....	225.72	11.51
23 09 23 00-0918	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002).....	191.36	11.51
23 09 23 00-0919	EA	Door Switch Occupancy Sensor (Peco SE200-001).....	32.50	11.51
23 09 23 00-0920	EA	Window Switch Occupancy Sensor (Peco SE200-002).....	30.68	11.51
23 09 23 00-0921	EA	Power Pack And Controller (Peco SF200-001).....	73.99	11.51

23 10 Facility Fuel Systems (23)**23 11 Facility Fuel Piping (23 10)****23 11 23 Facility Natural-Gas Piping (23 11)****23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)****23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)**

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	3.65	0.79
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	4.03	0.86
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	4.97	0.93
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	6.56	0.98
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	7.91	1.03
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	12.77	1.07
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	17.76	1.14



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

23 11 23 00-0010		Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)		
23 11 23 00-0011		Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	16.87	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	16.87	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	18.12	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	18.12	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	22.69	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.43	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.43	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	61.48	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	118.53	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	196.55	
23 11 23 00-0022		Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	16.14	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	18.12	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	18.12	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	22.69	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	22.69	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.64	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.64	
23 11 23 00-0030		Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.12	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.29	
23 11 23 00-0033		Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	24.77	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.75	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.09	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.33	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	107.69	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	217.16	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	365.56	
23 11 23 00-0041		Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.74	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.38	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	99.16	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	177.30	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	191.00	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	220.47	
23 11 23 00-0048		Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	21.61	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	22.15	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	24.25	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.61	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.22	
23 11 23 00-0054		Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.44	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11	23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	24.86	
23 11	23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.01	
23 11	23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.23	
23 11	23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.23	
23 11	23 00-0060		Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11	23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.48	
23 11	23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.28	
23 11	23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.28	
23 11	23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	64.36	
23 11	23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.09	
23 11	23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	104.44	
23 11	23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	134.04	
23 11	23 00-0068		Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11	23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.23	
23 11	23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.98	
23 11	23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.94	
23 11	23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	85.99	
23 11	23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	88.90	
23 11	23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	128.76	
23 11	23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	166.98	
23 11	23 00-0076		Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11	23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	22.01	
23 11	23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.94	
23 11	23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.06	
23 11	23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	65.70	
23 11	23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	135.41	
23 11	23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	220.53	
23 11	23 00-0083		Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
			Note: Includes mounting plate.		
23 11	23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	18.80	
23 11	23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	20.67	
23 11	23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	18.82	
23 11	23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	18.91	
23 11	23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.58	
23 11	23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.19	
23 11	23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.21	
23 11	23 00-0091		Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
			Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11	23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	55.28	8.32
23 11	23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	63.79	8.73
23 11	23 00-0094		Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11	23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.99	7.28
23 11	23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.64	8.65
23 11	23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	52.80	10.41
23 11	23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	64.32	13.90
23 11	23 00-0099		Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
			Note: Includes mounting hardware.		
23 11	23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.99	8.65
23 11	23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	51.05	10.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0102	EA		1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.51	8.65
23 11 23 00-0103	EA		3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	53.98	10.41
23 11 23 00-0104	EA		2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.40	26.01
23 11 23 00-0105			Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0110)		
23 11 23 00-0106	EA		1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	49.65	8.65
23 11 23 00-0107	EA		1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	49.65	8.65
23 11 23 00-0108	EA		1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	76.72	8.65
23 11 23 00-0109	EA		3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	80.19	10.41
23 11 23 00-0110	EA		3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	80.19	10.41
23 11 23 00-0111	EA		1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	87.12	13.90
23 11 23 00-0112	EA		1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	140.75	15.60
23 11 23 00-0113	EA		1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	71.93	8.65
23 11 23 00-0114	EA		3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	202.80	10.41
23 11 23 00-0115	EA		1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	512.86	15.60
23 11 23 00-0116			Gas Stops (23 11 23)		
23 11 23 00-0117			Brass Gas Stops (23 11 23 00-0116) Note: Flat or square head		
23 11 23 00-0118	EA		3/8" Brass Gas Stop	22.14	4.51
23 11 23 00-0119	EA		1/2" Brass Gas Stop	21.35	4.51
23 11 23 00-0120	EA		3/4" Brass Gas Stop	27.95	4.97
23 11 23 00-0121	EA		1" Brass Gas Stop	39.77	5.65
23 11 23 00-0122	EA		1-1/4" Brass Gas Stop	53.11	6.01
23 11 23 00-0123	EA		1-1/2" Brass Gas Stop	67.30	6.95
23 11 23 00-0124	EA		2" Brass Gas Stop	94.25	8.22
23 11 23 00-0125			Iron Body Gas Stops (23 11 23 00-0116)		
23 11 23 00-0126	EA		1/2" Iron Body Gas Stop	29.40	4.51
23 11 23 00-0127	EA		3/4" Iron Body Gas Stop	35.88	4.97
23 11 23 00-0128	EA		1" Iron Body Gas Stop	44.56	5.65
23 11 23 00-0129	EA		1-1/4" Iron Body Gas Stop	57.76	6.01
23 11 23 00-0130	EA		1-1/2" Iron Body Gas Stop	73.14	6.95
23 11 23 00-0131	EA		2" Iron Body Gas Stop	95.57	8.22
23 11 23 00-0132	EA		2-1/2" Iron Body Gas Stop	188.44	11.11
23 11 23 00-0133	EA		3" Iron Body Gas Stop	254.23	12.90
23 11 23 00-0134			Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)		
23 11 23 00-0135	EA		1/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	78.31	4.51
23 11 23 00-0136	EA		1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	91.39	4.51
23 11 23 00-0137	EA		3/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	116.25	4.97
23 11 23 00-0138	EA		1" Solenoid Valve, Bronze, 150 PSI, Gas.....	175.08	5.65
23 11 23 00-0139	EA		1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	314.07	6.95
23 11 23 00-0140	EA		2" Solenoid Valve, Bronze, 150 PSI, Gas.....	536.83	8.22
23 11 23 00-0141	EA		2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	664.50	11.11
23 11 23 00-0142	EA		3" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,003.72	12.90
23 11 33			Facility Fiberglass Reinforced Piping (23 11)		
23 11 33 00-0001			Fiberglass Reinforced Plastic Pipe And Fittings (23 11 33)		
23 11 33 00-0002			Fiberglass Reinforced Plastic Pipe (23 11 33 00-0001) Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).		
23 11 33 00-0003	LF		2" Fiberglass Reinforced Plastic Pipe.....	11.41	3.00
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-3.36	
23 11 33 00-0004	LF		3" Fiberglass Reinforced Plastic Pipe.....	13.66	3.58
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-4.03	
23 11 33 00-0005	LF		4" Fiberglass Reinforced Plastic Pipe.....	17.43	5.29
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-5.93	
23 11 33 00-0006	LF		5" Fiberglass Reinforced Plastic Pipe.....	20.79	6.08
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-6.68	
23 11 33 00-0007	LF		6" Fiberglass Reinforced Plastic Pipe.....	24.42	6.78
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-7.64	
23 11 33 00-0008	LF		8" Fiberglass Reinforced Plastic Pipe.....	33.98	7.49
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-8.42	
23 11 33 00-0009	LF		10" Fiberglass Reinforced Plastic Pipe.....	46.60	8.91
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-10.04	
23 11 33 00-0010	LF		12" Fiberglass Reinforced Plastic Pipe.....	51.29	11.22
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-12.62	
23 11 33 00-0011			Fiberglass Reinforced Plastic Fittings (23 11 33 00-0001)		
23 11 33 00-0012			Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 33 00-0011)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 11 33 00-0013	EA 2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	79.19 -33.56	29.84
23 11 33 00-0014	EA 3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	92.74 -40.27	35.83
23 11 33 00-0015	EA 4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	112.59 -46.78	41.61
23 11 33 00-0016	EA 5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	138.20 -48.88	44.31
23 11 33 00-0017	EA 6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	170.35 -55.90	49.72
23 11 33 00-0018	EA 8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	257.11 -69.87	62.12
23 11 33 00-0019	EA 10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	337.58 -84.14	74.83
23 11 33 00-0020	EA 12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	384.88 -104.34	92.79
23 11 33 00-0021	Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 33 00-0011)		
23 11 33 00-0022	EA 2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	79.46 -33.56	29.84
23 11 33 00-0023	EA 3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	92.82 -40.27	35.83
23 11 33 00-0024	EA 4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	112.81 -46.82	41.65
23 11 33 00-0025	EA 5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	145.87 -54.62	49.47
23 11 33 00-0026	EA 6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	170.26 -55.90	49.72
23 11 33 00-0027	EA 8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	257.11 -69.87	62.12
23 11 33 00-0028	EA 10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	294.15 -84.14	74.83
23 11 33 00-0029	EA 12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	384.88 -104.34	92.79
23 11 33 00-0030	Fiberglass Reinforced Plastic Flanged Tees (23 11 33 00-0011)		
23 11 33 00-0031	EA 2" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	104.93 -50.33	44.77
23 11 33 00-0032	EA 3" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	128.96 -60.62	53.93
23 11 33 00-0033	EA 4" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	147.42 -70.23	62.46
23 11 33 00-0034	EA 5" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	183.34 -81.95	74.19
23 11 33 00-0035	EA 6" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	206.53 -84.14	74.83
23 11 33 00-0036	EA 8" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	259.10 -104.34	92.79
23 11 33 00-0037	EA 10" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	395.82 -126.23	112.24
23 11 33 00-0038	EA 12" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	522.02 -153.44	136.46
23 11 33 00-0039	Fiberglass Reinforced Plastic Flanged Wyes (23 11 33 00-0011)		
23 11 33 00-0040	EA 2" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	130.54 -50.33	44.77
23 11 33 00-0041	EA 3" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	165.50 -60.55	53.85
23 11 33 00-0042	EA 4" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	193.95 -70.22	62.46
23 11 33 00-0043	EA 5" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	222.97 -81.95	74.19
23 11 33 00-0044	EA 6" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	239.25 -84.14	74.83
23 11 33 00-0045	EA 8" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	310.86 -104.34	92.79
23 11 33 00-0046	EA 10" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	461.10 -126.23	112.24
23 11 33 00-0047	EA 12" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	593.18 -153.44	136.46
23 11 33 00-0048	Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 33 00-0011)		
23 11 33 00-0049	EA 2" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	76.79 -33.56	29.84
23 11 33 00-0050	EA 3" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	97.88 -40.27	35.83
23 11 33 00-0051	EA 4" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	108.69 -46.82	41.65
23 11 33 00-0052	EA 5" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	126.30 -54.62	49.47
23 11 33 00-0053	EA 6" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	135.20 -55.90	49.72



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0054	EA		8" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	177.72	62.12
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-69.87	
23 11 33 00-0055	EA		10" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	224.76	74.83
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-84.14	
23 11 33 00-0056	EA		12" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	302.20	92.79
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-104.34	
23 11 33 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 33 00-0011)					
23 11 33 00-0058	EA		2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	65.35	29.84
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-33.56	
23 11 33 00-0059	EA		3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	76.03	35.83
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-40.27	
23 11 33 00-0060	EA		4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	86.86	41.65
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-46.82	
23 11 33 00-0061	EA		4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	104.91	49.47
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-54.62	
23 11 33 00-0062	EA		6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	114.27	49.72
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-55.90	
23 11 33 00-0063	EA		8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	120.07	62.12
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-69.87	
23 11 33 00-0064	EA		10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	150.86	74.83
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-84.14	
23 11 33 00-0065	EA		12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	223.20	92.79
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-104.34	
23 11 33 00-0066 Fiberglass Reinforced Plastic Nipples (23 11 33 00-0011)					
23 11 33 00-0067	EA		2" x 6" Fiberglass Reinforced Plastic Nipple.....	11.06	3.58
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-4.03	
23 11 33 00-0068	EA		2" x 12" Fiberglass Reinforced Plastic Nipple.....	22.09	7.15
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-8.03	
23 11 33 00-0069	EA		3" x 8" Fiberglass Reinforced Plastic Nipple.....	33.10	5.49
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-6.18	
23 11 33 00-0070	EA		3" x 12" Fiberglass Reinforced Plastic Nipple.....	38.26	6.97
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-7.83	
23 11 33 00-0071	EA		4" x 8" Fiberglass Reinforced Plastic Nipple.....	34.85	4.96
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-5.60	
23 11 33 00-0072	EA		4" x 12" Fiberglass Reinforced Plastic Nipple.....	42.78	7.46
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-8.38	
23 11 33 00-0073	EA		6" x 12" Fiberglass Reinforced Plastic Nipple.....	52.54	8.35
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-9.22	
23 11 33 00-0074	EA		6" x 12" Fiberglass Reinforced Plastic Nipple.....	62.32	8.94
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-10.07	
23 11 33 00-0075	EA		8" x 18" Fiberglass Reinforced Plastic Nipple.....	36.13	10.43
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-11.74	
23 11 33 00-0076	EA		8" x 24" Fiberglass Reinforced Plastic Nipple.....	49.65	14.90
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-16.76	
23 11 33 00-0077	EA		10" x 18" Fiberglass Reinforced Plastic Nipple.....	56.81	10.62
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-11.93	
23 11 33 00-0078	EA		10" x 24" Fiberglass Reinforced Plastic Nipple.....	85.24	15.88
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-17.87	
23 11 33 00-0079	EA		12" x 18" Fiberglass Reinforced Plastic Nipple.....	65.53	10.95
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-12.31	
23 11 33 00-0080	EA		12" x 24" Fiberglass Reinforced Plastic Nipple.....	86.91	16.40
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-18.45	
23 11 33 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 33 00-0011)					
23 11 33 00-0082	EA		2" Fiberglass Reinforced Plastic Sleeve Coupling	49.97	29.84
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-33.56	
23 11 33 00-0083	EA		3" Fiberglass Reinforced Plastic Sleeve Coupling	60.05	35.83
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-40.27	
23 11 33 00-0084	EA		4" Fiberglass Reinforced Plastic Sleeve Coupling	69.58	41.65
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-46.82	
23 11 33 00-0085	EA		5" Fiberglass Reinforced Plastic Sleeve Coupling	82.72	49.47
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-54.62	
23 11 33 00-0086	EA		6" Fiberglass Reinforced Plastic Sleeve Coupling	87.17	49.72
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-55.90	
23 11 33 00-0087	EA		8" Fiberglass Reinforced Plastic Sleeve Coupling	111.70	62.12
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-69.87	
23 11 33 00-0088	EA		10" Fiberglass Reinforced Plastic Sleeve Coupling	140.43	74.83
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-84.14	
23 11 33 00-0089	EA		12" Fiberglass Reinforced Plastic Sleeve Coupling	172.41	92.79
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-104.34	
23 11 33 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 33 00-0011)					
23 11 33 00-0091	EA		2" Fiberglass Reinforced Plastic Flange	50.62	29.84
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-33.56	
23 11 33 00-0092	EA		3" Fiberglass Reinforced Plastic Flange	60.92	35.83
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-40.27	
23 11 33 00-0093	EA		4" Fiberglass Reinforced Plastic Flange	65.58	37.23
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-41.85	
23 11 33 00-0094	EA		5" Fiberglass Reinforced Plastic Flange	78.33	44.31
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-48.92	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0095 EA 6" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	90.97 -55.90	49.72
23 11 33 00-0096 EA 8" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	111.52 -66.89	59.48
23 11 33 00-0097 EA 10" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	146.33 -84.14	74.83
23 11 33 00-0098 EA 12" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	196.01 -104.34	92.79
23 11 33 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings (23 11 33)		
23 11 33 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing (23 11 33 00-0099)		
23 11 33 00-0101 LF 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	35.63	12.86
23 11 33 00-0102 LF 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	42.42	15.23
23 11 33 00-0103 LF 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	56.21	22.47
23 11 33 00-0104 LF 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	77.31	29.13
23 11 33 00-0105 LF 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	101.86	32.05
23 11 33 00-0106 LF 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	135.51	38.01
23 11 33 00-0107 LF 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	172.77	47.96
23 11 33 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 33 00-0099)		
23 11 33 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows (23 11 33 00-0108)		
23 11 33 00-0110 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	585.77	159.12
23 11 33 00-0111 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	679.87	190.99
23 11 33 00-0112 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	838.90	221.95
23 11 33 00-0113 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,363.08	265.07
23 11 33 00-0114 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,149.11	331.40
23 11 33 00-0115 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,869.22	398.71
23 11 33 00-0116 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,808.23	493.73
23 11 33 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows (23 11 33 00-0108)		
23 11 33 00-0118 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	586.53	159.12
23 11 33 00-0119 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	678.54	190.99
23 11 33 00-0120 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	837.86	221.95
23 11 33 00-0121 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,356.96	265.07
23 11 33 00-0122 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,140.25	331.40
23 11 33 00-0123 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,857.31	398.89
23 11 33 00-0124 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,793.46	494.85
23 11 33 00-0125 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees (23 11 33 00-0108)		
23 11 33 00-0126 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	827.50	238.68
23 11 33 00-0127 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,028.88	287.66
23 11 33 00-0128 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,167.12	333.10
23 11 33 00-0129 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,769.68	399.07
23 11 33 00-0130 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	2,231.71	494.85
23 11 33 00-0131 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	3,721.44	597.93
23 11 33 00-0132 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	5,028.36	724.96
23 11 33 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes (23 11 33 00-0108)		
23 11 33 00-0134 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	1,145.40	238.68
23 11 33 00-0135 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	1,483.34	287.32
23 11 33 00-0136 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	1,745.10	333.10
23 11 33 00-0137 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,176.01	399.07
23 11 33 00-0138 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,874.31	494.85
23 11 33 00-0139 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	4,531.96	597.93
23 11 33 00-0140 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	5,911.88	724.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0141 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers <small>(23 11 33 00-0108)</small>		
23 11 33 00-0142 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	636.50	159.12
23 11 33 00-0143 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	835.01	190.99
23 11 33 00-0144 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	907.35	221.95
23 11 33 00-0145 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,150.68	265.07
23 11 33 00-0146 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,546.85	331.40
23 11 33 00-0147 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,995.45	398.71
23 11 33 00-0148 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,765.09	493.73
23 11 33 00-0149 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters <small>(23 11 33 00-0108)</small>		
23 11 33 00-0150 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	494.43	159.12
23 11 33 00-0151 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	563.68	190.99
23 11 33 00-0152 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	636.29	221.95
23 11 33 00-0153 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	890.87	265.07
23 11 33 00-0154 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	830.99	331.40
23 11 33 00-0155 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,077.87	398.71
23 11 33 00-0156 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,784.19	493.73
23 11 33 00-0157 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples <small>(23 11 33 00-0108)</small>		
23 11 33 00-0158 EA 2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	99.27	19.10
23 11 33 00-0159 EA 2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	198.41	38.12
23 11 33 00-0160 EA 3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	352.68	29.29
23 11 33 00-0161 EA 3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	401.07	37.15
23 11 33 00-0162 EA 4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	379.89	26.49
23 11 33 00-0163 EA 4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	452.08	39.76
23 11 33 00-0164 EA 6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	678.63	47.78
23 11 33 00-0165 EA 8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	337.80	55.68
23 11 33 00-0166 EA 8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	458.26	79.49
23 11 33 00-0167 EA 10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	592.68	56.57
23 11 33 00-0168 EA 10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	889.71	84.74
23 11 33 00-0169 EA 12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	697.37	58.36
23 11 33 00-0170 EA 12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	904.94	87.54
23 11 33 00-0171 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges <small>(23 11 33 00-0108)</small>		
23 11 33 00-0172 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	418.98	198.48
23 11 33 00-0173 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	601.49	265.07
23 11 33 00-0174 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	753.01	317.27
23 11 33 00-0175 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,021.62	398.71
23 11 33 00-0176 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,446.67	493.73
23 12 Facility Fuel Pumps <small>(23 10)</small>		
23 12 13 Facility Fuel-Oil Pumps <small>(23 12)</small>		
23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump <small>(23 12 13)</small>		
Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.		
23 12 13 00-0002 10 GPM 1" Discharge <small>(23 12 13 00-0001)</small>		
23 12 13 00-0003 EA 10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge.....	1,819.78	148.87
23 12 13 00-0004 EA 10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge.....	1,856.17	180.19
23 12 13 00-0005 EA 10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge.....	1,993.28	214.07
23 12 13 00-0006 25 GPM 1-1/4" Discharge <small>(23 12 13 00-0001)</small>		
23 12 13 00-0007 EA 25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge.....	1,813.05	148.87
23 12 13 00-0008 EA 25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge.....	1,887.06	180.19
23 12 13 00-0009 EA 25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge.....	1,960.99	214.07
23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI <small>(23 12 13)</small>		
23 12 13 00-0011 EA 1/4 HP Pump Fuel Oil/Diesel.....	1,305.78	83.42

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 12 Facility Fuel Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,551.87	93.44
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,687.51	104.72
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,827.26	118.08
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,694.30	131.43
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	3,344.16	147.08
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	3,699.54	164.79
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	4,570.35	184.29
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	5,425.48	206.63
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	6,072.98	231.78
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	6,809.34	259.82

23 12 23 Facility Natural-Gas Pumps (23 12)**23 12 23 00-0001 Natural Gas Booster Pump (23 12 23)**

23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	640.49	77.00
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	762.15	85.99
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	857.55	89.84
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	976.88	93.69
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	1,109.63	96.26

23 13 Facility Fuel-Storage Tanks (23 10)**23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)****23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)****23 13 13 13-0001 Coated Underground Double Wall Storage Tanks (23 13 13 13)**

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	7,763.98	328.07
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	8,393.12	328.07
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	12,140.38	410.07
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	16,581.77	800.96
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	26,448.33	1,029.75
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	29,457.66	1,182.70
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	31,745.80	1,563.77
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	32,816.25	1,678.99
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	40,063.59	1,983.52
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	46,400.99	2,287.83
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	59,433.78	2,515.91
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	70,443.99	3,054.72
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	72,747.70	3,241.85
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	89,044.25	5,142.24
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	109,366.61	6,668.23
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	128,901.30	7,629.67
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	166,086.00	8,201.90
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	225,507.07	8,412.22

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)**23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)****23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)**

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	2,674.16	328.07
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,361.20	410.07
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,371.23	507.38
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,928.02	618.00
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,485.80	724.82
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,613.54	953.71
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,616.85	1,449.64
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,454.33	1,831.12
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	10,264.75	2,060.01
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,436.85	2,441.50
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,966.80	2,899.27
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	18,312.70	3,624.10
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	22,927.47	4,844.84
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	35,253.19	6,027.44
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	43,422.25	7,248.19
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	61,716.25	10,490.80
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	89,251.80	13,351.93

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	5,393.52	328.07
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	7,127.51	410.07
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	8,542.43	495.92
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	11,038.51	724.87
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	12,281.93	953.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0026 EA 5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	13,848.23	1,449.64
23 13 13 23-0027 EA 6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	15,240.97	1,831.12
23 13 13 23-0028 EA 8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	18,902.30	2,060.01
23 13 13 23-0029 EA 10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	20,074.41	2,441.50
23 13 13 23-0030 EA 12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	24,375.56	2,899.27
23 13 13 23-0031 EA 15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	33,775.46	3,624.10
23 13 13 23-0032 EA 20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	41,590.75	4,844.84
23 13 13 23-0033 EA 30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	64,553.41	7,248.19
23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13 23)		
23 13 13 23-0035 EA Secondary Containment Collar.....	694.73	
23 13 13 23-0036 EA Turbine Enclosure With Lid 4' Long x 42" Diameter.....	694.73	
23 13 13 23-0037 EA Fitting Kit For Turbine Enclosure.....	138.95	
23 13 13 23-0038 EA Grommet Kits For Plumbing And Electrical.....	277.89	
23 13 13 23-0039 EA Turbine Electrical Coupling Kit.....	347.36	
23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)		
23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 13-0001 Rectangle Double Wall Steel Fuel Day Tank (23 13 23 13)		
Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.		
23 13 23 13-0002 EA 10 Gallon Double Wall Steel Day Tank; Tramont TRX.....	857.53	66.89
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0003 EA 15 Gallon Double Wall Steel Day Tank; Tramont TRX.....	922.47	70.23
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0004 EA 25 Gallon Double Wall Steel Day Tank; Tramont TRX.....	1,002.34	75.25
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0005 EA 50 Gallon Double Wall Steel Day Tank; Tramont TRX.....	1,157.75	80.27
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0006 EA 60 Gallon Double Wall Steel Day Tank; Tramont TRX.....	1,296.88	83.61
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0007 EA 75 Gallon Double Wall Steel Day Tank; Tramont TRX.....	1,527.11	100.34
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0008 EA 100 Gallon Double Wall Steel Day Tank; Tramont TRX.....	2,073.04	117.06
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0009 EA 150 Gallon Double Wall Steel Day Tank; Tramont TRX.....	2,637.85	133.78
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0010 EA 200 Gallon Double Wall Steel Day Tank; Tramont TRX.....	3,405.03	150.51
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0011 EA 275 Gallon Double Wall Steel Day Tank; Tramont TRX.....	3,795.81	167.22
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0012 EA 300 Gallon Double Wall Steel Day Tank; Tramont TRX.....	4,334.53	200.67
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0013 EA 350 Gallon Double Wall Steel Day Tank; Tramont TRX.....	4,846.27	234.12
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0014 EA 400 Gallon Double Wall Steel Day Tank; Tramont TRX.....	5,374.20	267.56
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0015 EA 450 Gallon Double Wall Steel Day Tank; Tramont TRX.....	5,976.79	284.28
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0016 EA 500 Gallon Double Wall Steel Day Tank; Tramont TRX.....	6,583.42	301.01
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0017 EA 550 Gallon Double Wall Steel Day Tank; Tramont TRX.....	7,275.05	317.73
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0018 EA 600 Gallon Double Wall Steel Day Tank; Tramont TRX.....	7,877.64	334.45
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0019 EA 700 Gallon Double Wall Steel Day Tank; Tramont TRX.....	8,744.61	401.34
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0020 EA 800 Gallon Double Wall Steel Day Tank; Tramont TRX.....	9,430.38	434.79
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0021 EA 900 Gallon Double Wall Steel Day Tank; Tramont TRX.....	10,325.70	501.68
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0022 EA 1,000 Gallon Double Wall Steel Day Tank; Tramont TRX.....	11,225.05	568.56
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0023 EA 10 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	1,054.50	66.89
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0024 EA 15 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	1,120.79	70.23
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0025 EA 25 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	1,200.65	75.25
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0026 EA 50 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	1,354.72	80.27
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0027 EA 60 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	1,493.85	83.61
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0028 EA 75 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	1,725.43	100.34
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0029 EA 100 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	2,290.24	117.06
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0030 EA 150 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	2,855.05	133.78
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0031 EA 200 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	3,622.23	150.51
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0032 EA 275 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	4,013.02	167.22
Note: Includes rust-inhibitor coated interior and gray painted exterior.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	4,551.74	200.67
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	5,063.47	234.12
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	5,591.41	267.56
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	6,193.99	284.28
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	6,800.63	301.01
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	7,493.60	317.73
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	8,096.19	334.45
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	8,961.82	401.34
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	9,647.59	434.79
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	10,542.90	501.68
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank; Tramont UTRX.....	11,442.26	568.56
		Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	1,800.55	66.89
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	1,858.75	70.23
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	1,908.93	75.25
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	2,116.96	80.27
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	2,194.03	83.61
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	2,416.17	100.34
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	2,912.18	117.06
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	3,690.15	133.78
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	4,149.73	150.51
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	5,455.21	167.22
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	6,153.12	200.67
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	6,559.62	234.12
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	7,125.33	267.56
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	7,699.59	284.28
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	8,462.72	301.01
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	8,769.85	317.73
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	9,043.26	334.45
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	10,324.41	401.34
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	11,599.74	434.79
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	12,961.84	501.68
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	14,346.87	568.56
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE.....	2,690.96	66.89
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE.....	2,749.15	70.23
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE.....	2,799.34	75.25
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE.....	3,007.36	80.27
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE.....	3,084.44	83.61
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE.....	3,306.58	100.34
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE.....	3,802.58	117.06
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE.....	4,580.55	133.78
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE.....	5,099.50	150.51
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE.....	6,035.32	167.22
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE.....	6,733.23	200.67
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE.....	7,141.09	234.12
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0077 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,705.45	267.56
23 13 23 13-0078 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,281.05	284.28
23 13 23 13-0079 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,042.83	301.01
23 13 23 13-0080 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,349.97	317.73
23 13 23 13-0081 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,623.37	334.45
23 13 23 13-0082 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,904.52	401.34
23 13 23 13-0083 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,181.20	434.79
23 13 23 13-0084 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,541.95	501.68
23 13 23 13-0085 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,926.98	568.56
23 13 23 13-0086 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,188.78	66.89
23 13 23 13-0087 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,253.72	70.23
23 13 23 13-0088 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,305.25	75.25
23 13 23 13-0089 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,520.02	80.27
23 13 23 13-0090 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,634.87	83.61
23 13 23 13-0091 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,835.42	100.34
23 13 23 13-0092 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,351.67	117.06
23 13 23 13-0093 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,167.41	133.78
23 13 23 13-0094 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,644.53	150.51
23 13 23 13-0095 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,001.28	167.22
23 13 23 13-0096 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,736.96	200.67
23 13 23 13-0097 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,101.65	234.12
23 13 23 13-0098 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,748.30	267.56
23 13 23 13-0099 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,446.67	284.28
23 13 23 13-0100 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,149.09	301.01
23 13 23 13-0101 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,495.35	317.73
23 13 23 13-0102 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,748.52	334.45
23 13 23 13-0103 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,090.38	401.34
23 13 23 13-0104 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,429.11	434.79
23 13 23 13-0105 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,854.63	501.68
23 13 23 13-0106 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,300.37	568.56
23 13 23 13-0107 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,079.18	66.89
23 13 23 13-0108 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,144.12	70.23

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0109	EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,195.65	75.25
23 13 23 13-0110	EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,410.43	80.27
23 13 23 13-0111	EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,525.27	83.61
23 13 23 13-0112	EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,723.13	100.34
23 13 23 13-0113	EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,242.07	117.06
23 13 23 13-0114	EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,057.82	133.78
23 13 23 13-0115	EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,534.94	150.51
23 13 23 13-0116	EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,581.39	167.22
23 13 23 13-0117	EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,317.07	200.67
23 13 23 13-0118	EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,816.67	234.12
23 13 23 13-0119	EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,328.41	267.56
23 13 23 13-0120	EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,026.79	284.28
23 13 23 13-0121	EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,729.21	301.01
23 13 23 13-0122	EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,075.46	317.73
23 13 23 13-0123	EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,329.98	334.45
23 13 23 13-0124	EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,670.49	401.34
23 13 23 13-0125	EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,009.23	434.79
23 13 23 13-0126	EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,434.74	501.68
23 13 23 13-0127	EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,880.48	568.56
23 13 23 13-0128	EA 150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	848.74	66.89
23 13 23 13-0129	EA 150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	921.99	70.23
23 13 23 13-0130	EA 150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,001.58	75.25
23 13 23 13-0131	EA 150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,150.62	80.27
23 13 23 13-0132	EA 150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	1,553.31	83.61
23 13 23 13-0133	EA 150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	1,581.18	100.34
23 13 23 13-0134	EA 150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	1,997.27	117.06
23 13 23 13-0135	EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	2,482.81	133.78
23 13 23 13-0136	EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	3,287.11	150.51
23 13 23 13-0137	EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	4,151.98	167.22
23 13 23 13-0138	EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	4,984.15	200.67
23 13 23 13-0139	EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	5,337.29	234.12
23 13 23 13-0140	EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	5,692.21	267.56
23 13 23 13-0141	EA 150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	6,259.67	284.28
23 13 23 13-0142	EA 150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	6,828.90	301.01
23 13 23 13-0143	EA 150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	7,321.58	317.73
23 13 23 13-0144	EA 150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	7,819.57	334.45
23 13 23 13-0145	EA 150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	8,825.02	401.34
23 13 23 13-0146	EA 150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	9,806.78	434.79
23 13 23 13-0147	EA 150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	10,872.79	501.68
23 13 23 13-0148	EA 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	11,899.60	568.56
23 13 23 13-0149	EA 200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	895.27	70.23
23 13 23 13-0150	EA 200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	975.07	75.25
23 13 23 13-0151	EA 200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,058.62	80.27
23 13 23 13-0152	EA 200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,212.69	83.61
23 13 23 13-0153	EA 200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	1,659.74	100.34
23 13 23 13-0154	EA 200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	1,687.61	117.06
23 13 23 13-0155	EA 200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,125.26	133.78
23 13 23 13-0156	EA 200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	2,636.23	150.51
23 13 23 13-0157	EA 200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	3,483.68	167.22
23 13 23 13-0158	EA 200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	4,395.03	183.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0159 EA 200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	5,270.34	217.39
23 13 23 13-0160 EA 200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	5,640.00	250.83
23 13 23 13-0161 EA 200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	6,011.54	284.28
23 13 23 13-0162 EA 200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	6,608.97	301.01
23 13 23 13-0163 EA 200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	7,208.29	317.73
23 13 23 13-0164 EA 200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	7,726.79	334.45
23 13 23 13-0165 EA 200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	8,278.76	367.89
23 13 23 13-0166 EA 200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	9,333.88	434.79
23 13 23 13-0167 EA 200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	10,422.83	501.68
23 13 23 13-0168 EA 200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	11,541.86	568.56
23 13 23 13-0169 EA 200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	12,619.53	635.46
23 13 23 13-0170 EA 150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	989.42	66.89
23 13 23 13-0171 EA 150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,080.48	70.23
23 13 23 13-0172 EA 150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,170.76	75.25
23 13 23 13-0173 EA 150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,355.42	80.27
23 13 23 13-0174 EA 150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	1,834.68	83.61
23 13 23 13-0175 EA 150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	1,862.55	100.34
23 13 23 13-0176 EA 150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	2,342.75	117.06
23 13 23 13-0177 EA 150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	2,911.99	133.78
23 13 23 13-0178 EA 150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	3,861.83	150.51
23 13 23 13-0179 EA 150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	4,928.41	167.22
23 13 23 13-0180 EA 150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	5,919.08	200.67
23 13 23 13-0181 EA 150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	6,327.42	234.12
23 13 23 13-0182 EA 150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	6,739.33	267.56
23 13 23 13-0183 EA 150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	7,418.98	284.28
23 13 23 13-0184 EA 150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	8,100.40	301.01
23 13 23 13-0185 EA 150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	8,676.76	317.73
23 13 23 13-0186 EA 150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	9,267.37	334.45
23 13 23 13-0187 EA 150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	10,459.80	401.34
23 13 23 13-0188 EA 150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	11,630.33	434.79
23 13 23 13-0189 EA 150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	12,883.32	501.68
23 13 23 13-0190 EA 150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	14,097.13	568.56
23 13 23 13-0191 EA 200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,043.77	70.23
23 13 23 13-0192 EA 200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,142.36	75.25
23 13 23 13-0193 EA 200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,237.19	80.27
23 13 23 13-0194 EA 200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,428.86	83.61
23 13 23 13-0195 EA 200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	1,956.74	100.34
23 13 23 13-0196 EA 200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	1,984.61	117.06
23 13 23 13-0197 EA 200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	2,489.93	133.78
23 13 23 13-0198 EA 200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,089.25	150.51
23 13 23 13-0199 EA 200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	4,090.32	167.22
23 13 23 13-0200 EA 200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	5,214.60	183.95
23 13 23 13-0201 EA 200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	6,257.20	217.39
23 13 23 13-0202 EA 200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	6,685.14	250.83
23 13 23 13-0203 EA 200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	7,116.83	284.28
23 13 23 13-0204 EA 200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	7,832.69	301.01
23 13 23 13-0205 EA 200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	8,550.43	317.73
23 13 23 13-0206 EA 200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	9,157.26	334.45
23 13 23 13-0207 EA 200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	9,807.00	367.89
23 13 23 13-0208 EA 200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	11,059.48	434.79
23 13 23 13-0209 EA 200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	12,347.69	501.68
23 13 23 13-0210 EA 200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	13,664.09	568.56
23 13 23 13-0211 EA 200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	14,939.13	635.46

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 16-0001

Single Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002 EA 300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	2,379.83	363.55
23 13 23 16-0003 EA 550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	2,860.89	440.08
23 13 23 16-0004 EA 1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,782.93	548.84
23 13 23 16-0005 EA 1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,894.48	686.05
23 13 23 16-0006 EA 2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,875.17	937.38
23 13 23 16-0007 EA 3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,930.25	964.95
23 13 23 16-0008 EA 5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	13,016.41	1,193.03
23 13 23 16-0009 EA 8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	17,917.73	1,366.98
23 13 23 16-0010 EA 10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	21,377.47	1,491.25
23 13 23 16-0011 EA 12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	24,829.74	1,640.38
23 13 23 16-0012 EA 15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	27,485.61	1,822.63
23 13 23 16-0013 EA 20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	34,321.45	2,343.38
23 13 23 16-0014 EA 30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	46,958.43	2,733.97

23 13 23 16-0015

Double Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016 EA 300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,778.37	453.63
23 13 23 16-0017 EA 550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,540.14	548.95
23 13 23 16-0018 EA 1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,024.13	686.05
23 13 23 16-0019 EA 1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	7,807.84	857.56
23 13 23 16-0020 EA 2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	9,283.14	1,171.71

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0021	EA		3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	14,382.79	1,206.15
23 13 23 16-0022	EA		5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	21,082.74	1,485.85
23 13 23 16-0023	EA		8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	29,194.91	1,708.74
23 13 23 16-0024	EA		10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	34,914.90	1,864.08
23 13 23 16-0025	EA		12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	40,607.69	2,050.45
23 13 23 16-0026	EA		15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	44,947.19	2,278.33
23 13 23 16-0027	EA		20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	56,085.85	2,929.23
23 13 23 16-0028	EA		30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	77,016.16	3,417.43

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)**

23 13 23 19-0002	EA		Steel Dike For 500 Gallon Tank, Uncoated.....	3,098.75	
23 13 23 19-0003	EA		Steel Dike For 1,000 Gallon Tank, Uncoated.....	3,742.96	
23 13 23 19-0004	EA		Steel Dike For 2,000 Gallon Tank, Uncoated.....	8,214.62	
23 13 23 19-0005	EA		Steel Dike For 3,000 Gallon Tank, Uncoated.....	8,981.11	
23 13 23 19-0006	EA		Steel Dike For 5,000 Gallon Tank, Uncoated.....	12,781.71	
23 13 23 19-0007	EA		Steel Dike For 6,000 Gallon Tank, Uncoated.....	14,320.65	
23 13 23 19-0008	EA		Steel Dike For 8,000 Gallon Tank, Uncoated.....	18,914.58	
23 13 23 19-0009	EA		Steel Dike For 10,000 Gallon Tank, Uncoated.....	22,189.33	
23 13 23 19-0010	EA		Steel Dike For 12,000 Gallon Tank, Uncoated.....	25,219.45	
23 13 23 19-0011	EA		Steel Dike For 15,000 Gallon Tank, Uncoated.....	30,704.15	
23 13 23 19-0012	EA		Steel Dike For 20,000 Gallon Tank, Uncoated.....	39,320.45	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)**

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA		500 Gallon Concrete Vaulted Storage Tank	17,063.16	709.51
			For Low Profile Tanks, Add	6,429.26	
23 13 23 26-0003	EA		1,000 Gallon Concrete Vaulted Storage Tank	21,536.14	800.96
			For Low Profile Tanks, Add	8,167.40	
23 13 23 26-0004	EA		2,000 Gallon Concrete Vaulted Storage Tank	38,441.82	953.71
			For Low Profile Tanks, Add	14,844.43	
23 13 23 26-0005	EA		4,000 Gallon Concrete Vaulted Storage Tank	60,613.95	2,097.70
23 13 23 26-0006	EA		5,000 Gallon Concrete Vaulted Storage Tank	69,311.22	2,291.04
23 13 23 26-0007	EA		6,000 Gallon Concrete Vaulted Storage Tank	78,048.36	2,474.15
23 13 23 26-0008	EA		8,000 Gallon Concrete Vaulted Storage Tank	86,775.73	2,684.78
23 13 23 26-0009	EA		10,000 Gallon Concrete Vaulted Storage Tank	95,499.86	2,857.82

23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)**23 13 33 00-0001 EPA Requirements (23 13 33)**

23 13 33 00-0002	EA		Fill Pipe Spill Containment Manhole (5 Gallon).....	423.31	
23 13 33 00-0003	EA		Over-Fill Prevention Valve	551.18	
23 13 33 00-0004	EA		Tank Manway With Cover, Fiberglass	1,395.57	
23 13 33 00-0005	EA		Tank Manway With Cover, Steel.....	1,291.05	
23 13 33 00-0006	EA		Vent Fill Alarm (Whistle Vent).....	56.60	
23 13 33 00-0007	EA		Reservoir Sensor, Liquid Level	157.59	
23 13 33 00-0008	EA		Manhole Spill Containment	589.77	106.01
23 13 33 00-0009	EA		Fill Adapter, 4"	129.68	70.68
23 13 33 00-0010	EA		Fill Cap, 4"	87.84	26.50
23 13 33 00-0011	EA		Vent Cap, 2".....	53.02	17.69
23 13 33 00-0012	EA		4" X 2" Extractor Fitting.....	174.77	26.50
23 13 33 00-0013	EA		Float Vent Valve.....	160.44	53.01
23 13 33 00-0014	EA		Vapor Hose Adapter	168.77	35.32
23 13 33 00-0015	EA		Dust Cap.....	73.38	19.30
23 13 33 00-0016	EA		1" Double Poppet Foot Valve.....	182.20	30.27
23 13 33 00-0017	EA		10' Wood Gage Stick	11.88	
23 13 33 00-0018	EA		1-1/4" Tank Filled Breather, NPT.....	61.32	
23 13 33 00-0019	EA		1-1/2" Tank Filled Breather, Bayonet	82.80	
23 13 33 00-0020	EA		2" Cast Iron Combination Fill Cap And Vent	40.95	
23 13 33 00-0021	EA		3" Cast Iron Combination Fill Cap And Vent	57.28	
23 13 33 00-0022	EA		4" Cast Iron Combination Fill Cap And Vent	93.76	
23 13 33 00-0023	EA		Pressure And Vacuum Control Vent	368.46	
23 13 33 00-0024	EA		1/4 HP Fuel/Diesel Pump Set	983.17	
23 13 33 00-0025	EA		1/3 HP Fuel/Diesel Pump Set	1,167.93	
23 13 33 00-0026	EA		1/2 HP Fuel/Diesel Pump Set	1,270.28	
23 13 33 00-0027	EA		3/4 HP Fuel/Diesel Pump Set	1,390.28	
23 13 33 00-0028	EA		1 HP Fuel/Diesel Pump Set	2,023.54	
23 13 33 00-0029	EA		1-1/2 HP Fuel/Diesel Pump Set	2,511.95	
23 13 33 00-0030	EA		2 HP Fuel/Diesel Pump Set	2,779.16	
23 13 33 00-0031	EA		3 HP Fuel/Diesel Pump Set	3,432.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0032 EA 5 HP Fuel/Diesel Pump Set	4,073.52	
23 13 33 00-0033 EA 7.5 HP Fuel/Diesel Pump Set	4,559.51	
23 13 33 00-0034 EA 10 HP Fuel/Diesel Pump Set	5,273.37	
23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)		
23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)		
23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0038 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	21.41	
23 13 33 00-0039 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	23.96	
23 13 33 00-0040 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	26.36	
23 13 33 00-0041 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	32.19	
23 13 33 00-0042 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	33.09	
23 13 33 00-0043 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	44.29	
23 13 33 00-0044 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	71.90	
23 13 33 00-0045 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	128.46	
23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0047 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	25.30	
23 13 33 00-0048 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	27.84	
23 13 33 00-0049 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	30.39	
23 13 33 00-0050 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	38.45	
23 13 33 00-0051 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	41.00	
23 13 33 00-0052 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	51.45	
23 13 33 00-0053 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	81.45	
23 13 33 00-0054 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	142.03	
23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0056 EA 1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	26.18	
23 13 33 00-0057 EA 3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	30.38	
23 13 33 00-0058 EA 1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	34.42	
23 13 33 00-0059 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	44.87	
23 13 33 00-0060 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	59.50	
23 13 33 00-0061 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	94.44	
23 13 33 00-0062 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	150.10	
23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0064 EA 1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	31.12	
23 13 33 00-0065 EA 3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	36.94	
23 13 33 00-0066 EA 1" Polypropylene Bulkhead Fitting, Thread x Thread.....	45.90	
23 13 33 00-0067 EA 1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	56.36	
23 13 33 00-0068 EA 1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	57.26	
23 13 33 00-0069 EA 2" Polypropylene Bulkhead Fitting, Thread x Thread.....	83.22	
23 13 33 00-0070 EA 3" Polypropylene Bulkhead Fitting, Thread x Thread.....	151.72	
23 13 33 00-0071 EA 4" Polypropylene Bulkhead Fitting, Thread x Thread.....	273.93	
23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0073 EA 3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	26.79	
23 13 33 00-0074 EA 1" Polyethylene Bulkhead Fitting, Thread x Thread.....	35.12	
23 13 33 00-0075 EA 1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	36.02	
23 13 33 00-0076 EA 1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	36.92	
23 13 33 00-0077 EA 2" Polyethylene Bulkhead Fitting, Thread x Thread.....	52.64	
23 13 33 00-0078 EA 3" Polyethylene Bulkhead Fitting, Thread x Thread.....	67.17	
23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0080 EA 1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	125.27	
23 13 33 00-0081 EA 1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	143.21	
23 13 33 00-0082 EA 3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	176.46	
23 13 33 00-0083 EA 1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	203.72	
23 13 33 00-0084 EA 3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	234.85	
23 13 33 00-0085 EA 1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	296.30	
23 13 33 00-0086 EA 1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	385.28	
23 13 33 00-0087 EA 2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	425.78	
23 13 33 00-0088 Self-Aligning Bulkhead Fittings (23 13 33 00-0035)		
23 13 33 00-0089 EA 3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	127.53	
23 13 33 00-0090 EA 1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	127.45	
23 13 33 00-0091 EA 1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	186.86	
23 13 33 00-0092 EA 2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	190.56	
23 13 33 00-0093 EA 3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	258.16	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 20 HVAC Piping And Pumps** ⁽²³⁾

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping And Pumps ^(23 20)**23 21 13 Hydronic Piping** ^(23 21)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping ^(23 21 13)**23 21 13 23-0001 Threaded Black Steel Pipe** ^(23 21 13 23)**23 21 13 23-0002 Threaded Black Steel Pipe Assemblies** ^(23 21 13 23-0001)

Note: ASTM A-53. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	8.22	1.66
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	2.04	
		For Work In Restricted Working Space, Add	1.72	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	8.88	1.79
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	2.24	
		For Work In Restricted Working Space, Add	1.80	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	9.64	1.96
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	2.46	
		For Work In Restricted Working Space, Add	1.90	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	11.60	2.04
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.08	
		For Work In Restricted Working Space, Add	2.05	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	12.15	2.41
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.27	
		For Work In Restricted Working Space, Add	2.07	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	14.24	2.91
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.88	
		For Work In Restricted Working Space, Add	2.34	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	20.19	3.45
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	5.72	
		For Work In Restricted Working Space, Add	2.90	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	25.61	4.62
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	7.33	
		For Work In Restricted Working Space, Add	3.55	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	34.02	4.96
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	10.34	
		For Work In Restricted Working Space, Add	3.58	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	52.51	6.34
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	16.63	
		For Work In Restricted Working Space, Add	4.27	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	62.78	7.49
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	20.02	
		For Work In Restricted Working Space, Add	4.83	
23 21 13 23-0014		Threaded Black Steel Pipe And Fittings ^(23 21 13 23-0001)		
		Note: ASTM A-53. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015		Threaded And Coupled, Black Steel Piping ^(23 21 13 23-0014)		
		Note: ASTM A-53. Includes coupling.		
23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe	2.78	1.04
		For Schedule 80 Pipe, Add	0.52	
		For Work In Restricted Working Space, Add	0.63	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	3.65	1.66
		For Schedule 80 Pipe, Add	0.76	
		For Work In Restricted Working Space, Add	0.76	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	4.15 0.93 0.80	1.79
23 21	13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	4.87 1.17 0.87	1.96
23 21	13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	5.70 1.49 0.92	2.04
23 21	13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.75 1.77 1.09	2.41
23 21	13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.48 2.28 1.31	2.91
23 21	13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.68 3.44 1.56	3.45
23 21	13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.43 4.51 2.08	4.62
23 21	13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.14 6.45 2.24	4.96
23 21	13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.35 8.54 2.85	6.34
23 21	13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.45 11.13 3.37	7.49
23 21	13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.52 16.19 4.07	9.05
23 21	13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.23 22.66 4.97	11.03
23 21	13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.49 30.41 6.52	14.50
23 21	13 23-0031		Black Malleable Iron 90 Degree Elbows (23 21 13 23-0014)		
23 21	13 23-0032	EA	3/8", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.20 5.24 0.03 2.78	4.62
23 21	13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.44 3.91 0.02 3.33	7.41
23 21	13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.05 4.66 0.03 3.73	8.28
23 21	13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.70 7.62 0.05 4.16	9.24
23 21	13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.37 12.15 0.07 4.71	10.49
23 21	13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.85 15.80 0.10 5.31	11.81
23 21	13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.09 26.79 0.17 6.75	15.03
23 21	13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.89 58.64 0.38 9.99	22.22
23 21	13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.34 85.52 0.55 13.14	29.21
23 21	13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.66 180.64 1.19 13.04	28.99
23 21	13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	262.14 522.97 3.47 13.61	30.26

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow.....	297.83	31.63
			<i>For 300 LB Rating, Add</i>	603.81	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	14.23	
23 21	13 23-0044		Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)		
23 21	13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	12.74	6.78
			<i>For 300 LB Rating, Add</i>	6.78	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	3.05	
23 21	13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	14.41	7.82
			<i>For 300 LB Rating, Add</i>	7.07	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	3.53	
23 21	13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	14.53	7.24
			<i>For 300 LB Rating, Add</i>	9.53	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
			<i>For Work In Restricted Working Space, Add</i>	3.25	
23 21	13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	16.54	8.78
			<i>For 300 LB Rating, Add</i>	8.95	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	3.94	
23 21	13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	16.15	8.32
			<i>For 300 LB Rating, Add</i>	9.56	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
23 21	13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	18.79	7.70
			<i>For 300 LB Rating, Add</i>	18.05	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
			<i>For Work In Restricted Working Space, Add</i>	3.47	
23 21	13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	20.50	9.86
			<i>For 300 LB Rating, Add</i>	14.61	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	4.43	
23 21	13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	20.44	9.36
			<i>For 300 LB Rating, Add</i>	16.16	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
			<i>For Work In Restricted Working Space, Add</i>	4.22	
23 21	13 23-0053	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	20.85	8.95
			<i>For 300 LB Rating, Add</i>	18.71	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
			<i>For Work In Restricted Working Space, Add</i>	4.02	
23 21	13 23-0054	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	24.78	11.15
			<i>For 300 LB Rating, Add</i>	20.37	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
			<i>For Work In Restricted Working Space, Add</i>	5.01	
23 21	13 23-0055	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	23.85	10.53
			<i>For 300 LB Rating, Add</i>	20.31	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
			<i>For Work In Restricted Working Space, Add</i>	4.73	
23 21	13 23-0056	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	24.30	10.03
			<i>For 300 LB Rating, Add</i>	23.06	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.15	
			<i>For Work In Restricted Working Space, Add</i>	4.52	
23 21	13 23-0057	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	31.79	13.39
			<i>For 300 LB Rating, Add</i>	29.26	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.19	
			<i>For Work In Restricted Working Space, Add</i>	6.03	
23 21	13 23-0058	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	32.38	12.74
			<i>For 300 LB Rating, Add</i>	33.02	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
			<i>For Work In Restricted Working Space, Add</i>	5.73	
23 21	13 23-0059	EA	2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	31.46	12.11
			<i>For 300 LB Rating, Add</i>	32.96	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
			<i>For Work In Restricted Working Space, Add</i>	5.45	
23 21	13 23-0060	EA	2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	31.55	11.65
			<i>For 300 LB Rating, Add</i>	34.86	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.23	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21	13 23-0061	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	59.97	18.60
			<i>For 300 LB Rating, Add</i>	78.67	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.51	
			<i>For Work In Restricted Working Space, Add</i>	8.37	
23 21	13 23-0062	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	59.47	17.02
			<i>For 300 LB Rating, Add</i>	83.06	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.54	
			<i>For Work In Restricted Working Space, Add</i>	7.65	
23 21	13 23-0063	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	98.58	25.71
			<i>For 300 LB Rating, Add</i>	146.41	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	11.56	
23 21	13 23-0064	EA	3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	85.01	22.10
			<i>For 300 LB Rating, Add</i>	126.45	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	9.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0065	EA	4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.97 248.75 1.64 12.41	27.58
23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows (23 21 13 23-0014)					
23 21	13 23-0067	EA	3/8", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.19 7.61 0.05 2.78	4.62
23 21	13 23-0068	EA	1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.32 6.02 0.04 3.33	7.41
23 21	13 23-0069	EA	3/4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.18 7.37 0.04 3.73	8.28
23 21	13 23-0070	EA	1", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.34 9.16 0.06 4.16	9.24
23 21	13 23-0071	EA	1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.85 15.70 0.10 4.71	10.49
23 21	13 23-0072	EA	1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.32 19.33 0.12 5.31	11.81
23 21	13 23-0073	EA	2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.99 28.95 0.18 6.75	15.03
23 21	13 23-0074	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.57 81.87 0.53 9.99	22.22
23 21	13 23-0075	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.03 106.38 0.69 13.14	29.21
23 21	13 23-0076	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.25 206.06 1.36 13.04	28.99
23 21	13 23-0077	EA	5", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	380.21 806.34 5.36 13.61	30.26
23 21	13 23-0078	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	390.01 825.04 5.48 14.23	31.63
23 21 13 23-0079 Black Malleable Iron Tees (23 21 13 23-0014)					
23 21	13 23-0080	EA	3/8", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.39 7.49 0.05 3.47	5.79
23 21	13 23-0081	EA	1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.68 5.18 0.03 4.16	9.24
23 21	13 23-0082	EA	3/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.60 7.18 0.04 4.80	10.70
23 21	13 23-0083	EA	1", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.36 11.79 0.07 5.68	12.60
23 21	13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.68 18.61 0.12 6.75	15.03
23 21	13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.79 23.07 0.14 8.06	17.89
23 21	13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.53 38.57 0.24 9.99	22.22

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee.....	76.67	29.21
			<i>For 300 LB Rating, Add</i>	81.52	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.53	
			<i>For Work In Restricted Working Space, Add</i>	13.14	
23 21	13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee.....	100.43	34.70
			<i>For 300 LB Rating, Add</i>	119.31	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	15.61	
23 21	13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee.....	171.93	36.63
			<i>For 300 LB Rating, Add</i>	284.12	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	16.48	
23 21	13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee.....	419.79	43.49
			<i>For 300 LB Rating, Add</i>	854.88	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	19.57	
23 21	13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee.....	455.04	49.72
			<i>For 300 LB Rating, Add</i>	917.70	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	6.09	
			<i>For Work In Restricted Working Space, Add</i>	22.36	
23 21	13 23-0092		Black Malleable Iron Reducing Tees (23 21 13 23-0014)		
23 21	13 23-0093	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee.....	16.94	9.24
			<i>For 300 LB Rating, Add</i>	8.20	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	4.16	
23 21	13 23-0094	EA	3/4", 150 LB, Black Malleable Iron Reducing Tee.....	20.02	10.70
			<i>For 300 LB Rating, Add</i>	10.58	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
			<i>For Work In Restricted Working Space, Add</i>	4.80	
23 21	13 23-0095	EA	1", 150 LB, Black Malleable Iron Reducing Tee.....	23.98	12.60
			<i>For 300 LB Rating, Add</i>	13.28	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
23 21	13 23-0096	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Tee.....	32.44	15.03
			<i>For 300 LB Rating, Add</i>	25.23	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
			<i>For Work In Restricted Working Space, Add</i>	6.75	
23 21	13 23-0097	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	37.87	17.89
			<i>For 300 LB Rating, Add</i>	28.06	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.18	
			<i>For Work In Restricted Working Space, Add</i>	8.06	
23 21	13 23-0098	EA	2", 150 LB, Black Malleable Iron Reducing Tee.....	49.29	22.22
			<i>For 300 LB Rating, Add</i>	40.40	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.26	
			<i>For Work In Restricted Working Space, Add</i>	9.99	
23 21	13 23-0099	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	93.65	29.21
			<i>For 300 LB Rating, Add</i>	122.27	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.80	
			<i>For Work In Restricted Working Space, Add</i>	13.14	
23 21	13 23-0100	EA	3", 150 LB, Black Malleable Iron Reducing Tee.....	109.12	34.70
			<i>For 300 LB Rating, Add</i>	140.16	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	15.61	
23 21	13 23-0101	EA	4", 150 LB, Black Malleable Iron Reducing Tee.....	193.40	36.63
			<i>For 300 LB Rating, Add</i>	335.65	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.22	
			<i>For Work In Restricted Working Space, Add</i>	16.48	
23 21	13 23-0102	EA	5", 150 LB, Black Malleable Iron Reducing Tee.....	386.42	43.49
			<i>For 300 LB Rating, Add</i>	774.79	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	5.14	
			<i>For Work In Restricted Working Space, Add</i>	19.57	
23 21	13 23-0103	EA	6", 150 LB, Black Malleable Iron Reducing Tee.....	438.85	49.72
			<i>For 300 LB Rating, Add</i>	878.84	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	5.83	
			<i>For Work In Restricted Working Space, Add</i>	22.36	
23 21	13 23-0104		Black Malleable Iron Couplings (23 21 13 23-0014)		
23 21	13 23-0105	EA	3/8", 150 LB, Black Malleable Iron Coupling.....	11.68	4.62
			<i>For 300 LB Rating, Add</i>	6.39	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21	13 23-0106	EA	1/2", 150 LB, Black Malleable Iron Coupling.....	12.96	7.41
			<i>For 300 LB Rating, Add</i>	5.15	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21	13 23-0107	EA	3/4", 150 LB, Black Malleable Iron Coupling.....	14.61	8.28
			<i>For 300 LB Rating, Add</i>	6.00	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	3.73	
23 21	13 23-0108	EA	1", 150 LB, Black Malleable Iron Coupling.....	17.15	9.24
			<i>For 300 LB Rating, Add</i>	8.70	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	4.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0109	EA	1-1/4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.94 11.12 0.07 4.71	10.49
23 21	13 23-0110	EA	1-1/2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.44 14.81 0.09 5.31	11.81
23 21	13 23-0111	EA	2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.99 21.75 0.14 6.75	15.03
23 21	13 23-0112	EA	2-1/2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.74 58.28 0.38 9.99	22.22
23 21	13 23-0113	EA	3", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.51 78.73 0.51 13.14	29.21
23 21	13 23-0114	EA	4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.33 155.85 1.02 13.04	28.99
23 21	13 23-0115	EA	5", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	225.16 434.22 2.88 13.61	30.26
23 21	13 23-0116	EA	6", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	252.26 494.44 3.28 14.23	31.63
23 21 13 23-0117 Black Malleable Iron Reducing Couplings (23 21 13 23-0014)					
23 21	13 23-0118	EA	1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.41 6.23 0.04 3.33	7.41
23 21	13 23-0119	EA	3/4", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.88 6.65 0.04 3.73	8.28
23 21	13 23-0120	EA	1", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.69 10.00 0.06 4.16	9.24
23 21	13 23-0121	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.62 12.75 0.08 4.71	10.49
23 21	13 23-0122	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.92 15.97 0.10 5.31	11.81
23 21	13 23-0123	EA	2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.50 22.97 0.14 6.75	15.03
23 21	13 23-0124	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.91 65.89 0.43 9.99	22.22
23 21	13 23-0125	EA	3", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.15 80.27 0.52 13.14	29.21
23 21	13 23-0126	EA	4", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.33 158.25 1.04 13.04	28.99
23 21	13 23-0127	EA	5", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.13 352.55 2.33 13.61	30.26
23 21	13 23-0128	EA	6", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	234.64 452.15 3.00 14.23	31.63
23 21 13 23-0129 Black Malleable Iron Caps (23 21 13 23-0014)					
23 21	13 23-0130	EA	1/2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.57 3.60 0.02 1.56	3.45

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0131	EA 3/4", 150 LB, Black Malleable Iron Cap.....	7.40	3.71
	<i>For 300 LB Rating, Add</i>	4.77	
	<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
	<i>For Work In Restricted Working Space, Add</i>	1.67	
23 21 13 23-0132	EA 1", 150 LB, Black Malleable Iron Cap.....	8.64	4.29
	<i>For 300 LB Rating, Add</i>	5.76	
	<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
	<i>For Work In Restricted Working Space, Add</i>	1.92	
23 21 13 23-0133	EA 1-1/4", 150 LB, Black Malleable Iron Cap	9.89	4.62
	<i>For 300 LB Rating, Add</i>	7.50	
	<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
	<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21 13 23-0134	EA 1-1/2", 150 LB, Black Malleable Iron Cap	10.99	4.62
	<i>For 300 LB Rating, Add</i>	10.14	
	<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
	<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21 13 23-0135	EA 2", 150 LB, Black Malleable Iron Cap.....	14.87	5.95
	<i>For 300 LB Rating, Add</i>	14.75	
	<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
	<i>For Work In Restricted Working Space, Add</i>	2.69	
23 21 13 23-0136	EA 2-1/2", 150 LB, Black Malleable Iron Cap	24.66	7.41
	<i>For 300 LB Rating, Add</i>	33.23	
	<i>For Standard Weight Cast Iron Fittings, Add</i>	0.22	
	<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21 13 23-0137	EA 3", 150 LB, Black Malleable Iron Cap.....	33.44	8.95
	<i>For 300 LB Rating, Add</i>	48.85	
	<i>For Standard Weight Cast Iron Fittings, Add</i>	0.32	
	<i>For Work In Restricted Working Space, Add</i>	4.03	
23 21 13 23-0138	EA 4", 150 LB, Black Malleable Iron Cap.....	49.22	9.95
	<i>For 300 LB Rating, Add</i>	83.26	
	<i>For Standard Weight Cast Iron Fittings, Add</i>	0.55	
	<i>For Work In Restricted Working Space, Add</i>	4.47	
23 21 13 23-0139	EA 5", 150 LB, Black Malleable Iron Cap.....	100.44	12.44
	<i>For 300 LB Rating, Add</i>	197.46	
	<i>For Standard Weight Cast Iron Fittings, Add</i>	1.31	
	<i>For Work In Restricted Working Space, Add</i>	5.59	
23 21 13 23-0140	EA 6", 150 LB, Black Malleable Iron Cap.....	172.16	14.79
	<i>For 300 LB Rating, Add</i>	361.24	
	<i>For Standard Weight Cast Iron Fittings, Add</i>	2.40	
	<i>For Work In Restricted Working Space, Add</i>	6.66	
23 21 13 23-0141	Black Malleable Iron Unions (23 21 13 23-0014)		
23 21 13 23-0142	EA 3/8", 150 LB, Black Malleable Iron Union.....	15.80	4.62
	<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21 13 23-0143	EA 1/2", 150 LB, Black Malleable Iron Union.....	19.80	9.24
	<i>For Work In Restricted Working Space, Add</i>	4.16	
23 21 13 23-0144	EA 3/4", 150 LB, Black Malleable Iron Union.....	22.83	10.70
	<i>For Work In Restricted Working Space, Add</i>	4.80	
23 21 13 23-0145	EA 1", 150 LB, Black Malleable Iron Union.....	27.81	12.60
	<i>For Work In Restricted Working Space, Add</i>	5.68	
23 21 13 23-0146	EA 1-1/4", 150 LB, Black Malleable Iron Union.....	35.24	15.03
	<i>For Work In Restricted Working Space, Add</i>	6.75	
23 21 13 23-0147	EA 1-1/2", 150 LB, Black Malleable Iron Union.....	42.74	17.89
	<i>For Work In Restricted Working Space, Add</i>	8.06	
23 21 13 23-0148	EA 2", 150 LB, Black Malleable Iron Union.....	51.77	22.22
	<i>For Work In Restricted Working Space, Add</i>	9.99	
23 21 13 23-0149	EA 2-1/2", 150 LB, Black Malleable Iron Union.....	104.20	32.75
	<i>For Work In Restricted Working Space, Add</i>	14.74	
23 21 13 23-0150	EA 3", 150 LB, Black Malleable Iron Union.....	137.94	47.77
	<i>For Work In Restricted Working Space, Add</i>	21.50	
23 21 13 23-0151	EA 3/8", 250 LB, Black Malleable Iron Union.....	17.91	4.62
	<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21 13 23-0152	EA 1/2", 250 LB, Black Malleable Iron Union.....	23.81	9.24
	<i>For Work In Restricted Working Space, Add</i>	4.16	
23 21 13 23-0153	EA 3/4", 250 LB, Black Malleable Iron Union.....	25.79	10.70
	<i>For Work In Restricted Working Space, Add</i>	4.80	
23 21 13 23-0154	EA 1", 250 LB, Black Malleable Iron Union.....	30.91	12.60
	<i>For Work In Restricted Working Space, Add</i>	5.68	
23 21 13 23-0155	EA 1-1/4", 250 LB, Black Malleable Iron Union.....	42.61	15.03
	<i>For Work In Restricted Working Space, Add</i>	6.75	
23 21 13 23-0156	EA 1-1/2", 250 LB, Black Malleable Iron Union.....	50.02	17.89
	<i>For Work In Restricted Working Space, Add</i>	8.06	
23 21 13 23-0157	EA 2", 250 LB, Black Malleable Iron Union.....	63.01	22.22
	<i>For Work In Restricted Working Space, Add</i>	9.99	
23 21 13 23-0158	EA 2-1/2", 250 LB, Black Malleable Iron Union.....	142.30	32.75
	<i>For Work In Restricted Working Space, Add</i>	14.74	
23 21 13 23-0159	EA 3", 250 LB, Black Malleable Iron Union.....	173.68	43.07
	<i>For Work In Restricted Working Space, Add</i>	19.40	
23 21 13 23-0160	EA 4", 250 LB, Black Malleable Iron Union.....	257.43	42.78
	<i>For Work In Restricted Working Space, Add</i>	19.25	
23 21 13 23-0161	EA 3/8", 300 LB, Black Malleable Iron Union.....	23.30	4.62
	<i>For Work In Restricted Working Space, Add</i>	2.78	
23 21 13 23-0162	EA 1/2", 300 LB, Black Malleable Iron Union.....	25.24	9.24
	<i>For Work In Restricted Working Space, Add</i>	4.16	
23 21 13 23-0163	EA 3/4", 300 LB, Black Malleable Iron Union.....	28.60	10.70
	<i>For Work In Restricted Working Space, Add</i>	4.80	
23 21 13 23-0164	EA 1", 300 LB, Black Malleable Iron Union.....	35.36	12.60
	<i>For Work In Restricted Working Space, Add</i>	5.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0165	EA	1-1/4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	49.30 6.75	15.03
23 21	13 23-0166	EA	1-1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	54.93 8.06	17.89
23 21	13 23-0167	EA	2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	68.07 9.99	22.22
23 21	13 23-0168	EA	2-1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	161.27 14.74	32.75
23 21	13 23-0169	EA	3", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	209.72 19.40	43.07
23 21	13 23-0170	EA	4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	524.60 19.25	42.78
23 21 13 23-0171 Black Steel Nipples (23 21 13 23-0014)					
23 21	13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.64 0.35 1.79	3.95
23 21	13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.53 0.29 1.79	3.95
23 21	13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.61 0.33 1.79	3.95
23 21	13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.36 0.48 1.92	4.29
23 21	13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.16 0.61 2.08	4.62
23 21	13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.46 0.76 2.08	4.62
23 21	13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.02 1.04 2.69	5.95
23 21	13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.58 3.25 3.33	7.41
23 21	13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.13 3.86 4.03	8.95
23 21	13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.52 5.81 4.47	9.95
23 21	13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.73 0.39 1.79	3.95
23 21	13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.53 0.29 1.79	3.95
23 21	13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.66 0.36 1.79	3.95
23 21	13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.73 0.39 1.79	3.95
23 21	13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.53 0.29 1.79	3.95
23 21	13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.66 0.36 1.79	3.95
23 21	13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.46 0.53 1.92	4.29
23 21	13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.33 0.70 2.08	4.62
23 21	13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.58 0.82 2.08	4.62
23 21	13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.95 0.50 1.79	3.95
23 21	13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.64 0.35 1.79	3.95
23 21	13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.76 0.41 1.79	3.95
23 21	13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.52 0.56 1.92	4.29
23 21	13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.41 0.74 2.08	4.62

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	8.78	4.62
			<i>For Schedule 80 Nipples, Add</i>	0.92	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21	13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	11.33	5.95
			<i>For Schedule 80 Nipples, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
23 21	13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	6.95	3.95
			<i>For Schedule 80 Nipples, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21	13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	6.64	3.95
			<i>For Schedule 80 Nipples, Add</i>	0.35	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21	13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	6.76	3.95
			<i>For Schedule 80 Nipples, Add</i>	0.41	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21	13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	7.52	4.29
			<i>For Schedule 80 Nipples, Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	1.92	
23 21	13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	8.41	4.62
			<i>For Schedule 80 Nipples, Add</i>	0.74	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21	13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	8.78	4.62
			<i>For Schedule 80 Nipples, Add</i>	0.92	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21	13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	11.33	5.95
			<i>For Schedule 80 Nipples, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
23 21	13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	17.75	7.41
			<i>For Schedule 80 Nipples, Add</i>	3.33	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21	13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	21.80	8.95
			<i>For Schedule 80 Nipples, Add</i>	4.19	
			<i>For Work In Restricted Working Space, Add</i>	4.03	
23 21	13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	7.13	3.95
			<i>For Schedule 80 Nipples, Add</i>	0.59	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21	13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	6.77	3.95
			<i>For Schedule 80 Nipples, Add</i>	0.41	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21	13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	6.95	3.95
			<i>For Schedule 80 Nipples, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21	13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	7.79	4.29
			<i>For Schedule 80 Nipples, Add</i>	0.70	
			<i>For Work In Restricted Working Space, Add</i>	1.92	
23 21	13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	8.68	4.62
			<i>For Schedule 80 Nipples, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21	13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	9.00	4.62
			<i>For Schedule 80 Nipples, Add</i>	1.03	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21	13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	11.83	5.95
			<i>For Schedule 80 Nipples, Add</i>	1.44	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
23 21	13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	18.92	7.41
			<i>For Schedule 80 Nipples, Add</i>	3.92	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21	13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	23.35	8.95
			<i>For Schedule 80 Nipples, Add</i>	4.97	
			<i>For Work In Restricted Working Space, Add</i>	4.03	
23 21	13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	7.13	3.95
			<i>For Schedule 80 Nipples, Add</i>	0.59	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21	13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	6.77	3.95
			<i>For Schedule 80 Nipples, Add</i>	0.41	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21	13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	6.95	3.95
			<i>For Schedule 80 Nipples, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21	13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	7.79	4.29
			<i>For Schedule 80 Nipples, Add</i>	0.70	
			<i>For Work In Restricted Working Space, Add</i>	1.92	
23 21	13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	8.68	4.62
			<i>For Schedule 80 Nipples, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21	13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	9.00	4.62
			<i>For Schedule 80 Nipples, Add</i>	1.03	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21	13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	11.83	5.95
			<i>For Schedule 80 Nipples, Add</i>	1.44	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
23 21	13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	18.92	7.41
			<i>For Schedule 80 Nipples, Add</i>	3.92	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21	13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	23.35	8.95
			<i>For Schedule 80 Nipples, Add</i>	4.97	
			<i>For Work In Restricted Working Space, Add</i>	4.03	
23 21	13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	28.34	9.95
			<i>For Schedule 80 Nipples, Add</i>	6.72	
			<i>For Work In Restricted Working Space, Add</i>	4.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.65 0.85 1.79	3.95
23 21	13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.91 0.48 1.79	3.95
23 21	13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.21 0.63 1.79	3.95
23 21	13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.04 0.82 1.92	4.29
23 21	13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.03 1.05 2.08	4.62
23 21	13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.46 1.26 2.08	4.62
23 21	13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.27 1.66 2.69	5.95
23 21	13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.70 4.31 3.33	7.41
23 21	13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.37 5.48 4.03	8.95
23 21	13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.25 7.68 4.47	9.95
23 21	13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.65 0.85 1.79	3.95
23 21	13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.91 0.48 1.79	3.95
23 21	13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.21 0.63 1.79	3.95
23 21	13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.04 0.82 1.92	4.29
23 21	13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.03 1.05 2.08	4.62
23 21	13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.46 1.26 2.08	4.62
23 21	13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.27 1.66 2.69	5.95
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.70 4.31 3.33	7.41
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.37 5.48 4.03	8.95
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.25 7.68 4.47	9.95
23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.84 0.95 1.79	3.95
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.03 0.54 1.79	3.95
23 21	13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.38 0.72 1.79	3.95
23 21	13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.34 0.97 1.92	4.29
23 21	13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.41 1.24 2.08	4.62
23 21	13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.83 1.45 2.08	4.62
23 21	13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.84 1.95 2.69	5.95
23 21	13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.06 4.49 3.33	7.41
23 21	13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.32 5.95 4.03	8.95
23 21	13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.31 8.21 4.47	9.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	9.27	3.95
		<i>For Schedule 80 Nipples, Add</i>	1.66	
		<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	7.89	3.95
		<i>For Schedule 80 Nipples, Add</i>	0.97	
		<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	8.33	3.95
		<i>For Schedule 80 Nipples, Add</i>	1.19	
		<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple.....	9.58	4.29
		<i>For Schedule 80 Nipples, Add</i>	1.59	
		<i>For Work In Restricted Working Space, Add</i>	1.92	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple.....	10.94	4.62
		<i>For Schedule 80 Nipples, Add</i>	2.00	
		<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	11.52	4.62
		<i>For Schedule 80 Nipples, Add</i>	2.29	
		<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple.....	15.47	5.95
		<i>For Schedule 80 Nipples, Add</i>	3.26	
		<i>For Work In Restricted Working Space, Add</i>	2.69	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	22.51	7.41
		<i>For Schedule 80 Nipples, Add</i>	5.71	
		<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple.....	29.47	8.95
		<i>For Schedule 80 Nipples, Add</i>	8.03	
		<i>For Work In Restricted Working Space, Add</i>	4.03	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple.....	33.84	9.95
		<i>For Schedule 80 Nipples, Add</i>	9.47	
		<i>For Work In Restricted Working Space, Add</i>	4.47	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple.....	9.68	3.95
		<i>For Schedule 80 Nipples, Add</i>	1.87	
		<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	8.29	3.95
		<i>For Schedule 80 Nipples, Add</i>	1.17	
		<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple.....	8.72	3.95
		<i>For Schedule 80 Nipples, Add</i>	1.39	
		<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple.....	10.12	4.29
		<i>For Schedule 80 Nipples, Add</i>	1.86	
		<i>For Work In Restricted Working Space, Add</i>	1.92	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple.....	11.73	4.62
		<i>For Schedule 80 Nipples, Add</i>	2.40	
		<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	12.30	4.62
		<i>For Schedule 80 Nipples, Add</i>	2.68	
		<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple.....	16.61	5.95
		<i>For Schedule 80 Nipples, Add</i>	3.83	
		<i>For Work In Restricted Working Space, Add</i>	2.69	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	23.91	7.41
		<i>For Schedule 80 Nipples, Add</i>	6.41	
		<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple.....	31.45	8.95
		<i>For Schedule 80 Nipples, Add</i>	9.02	
		<i>For Work In Restricted Working Space, Add</i>	4.03	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple.....	36.47	9.95
		<i>For Schedule 80 Nipples, Add</i>	10.79	
		<i>For Work In Restricted Working Space, Add</i>	4.47	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple.....	10.20	3.95
		<i>For Schedule 80 Nipples, Add</i>	2.13	
		<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	8.72	3.95
		<i>For Schedule 80 Nipples, Add</i>	1.39	
		<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple.....	9.02	3.95
		<i>For Schedule 80 Nipples, Add</i>	1.54	
		<i>For Work In Restricted Working Space, Add</i>	1.79	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple.....	10.67	4.29
		<i>For Schedule 80 Nipples, Add</i>	2.14	
		<i>For Work In Restricted Working Space, Add</i>	1.92	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple.....	12.37	4.62
		<i>For Schedule 80 Nipples, Add</i>	2.72	
		<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	13.12	4.62
		<i>For Schedule 80 Nipples, Add</i>	3.09	
		<i>For Work In Restricted Working Space, Add</i>	2.08	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple.....	17.77	5.95
		<i>For Schedule 80 Nipples, Add</i>	4.41	
		<i>For Work In Restricted Working Space, Add</i>	2.69	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	25.36	7.41
		<i>For Schedule 80 Nipples, Add</i>	7.14	
		<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple.....	33.43	8.95
		<i>For Schedule 80 Nipples, Add</i>	10.01	
		<i>For Work In Restricted Working Space, Add</i>	4.03	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple.....	40.19	9.95
		<i>For Schedule 80 Nipples, Add</i>	12.65	
		<i>For Work In Restricted Working Space, Add</i>	4.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0286		Black Malleable Iron Bushing (23 21 13 23-0014)		
	23 21	13 23-0287	EA 1/2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	12.25	6.78
			<i>For Work In Restricted Working Space, Add</i>	3.05	
	23 21	13 23-0288	EA 3/4" x 3/8", 150 LB, Black Malleable Iron Bushing.....	13.92	7.28
			<i>For Work In Restricted Working Space, Add</i>	3.28	
	23 21	13 23-0289	EA 3/4" x 1/2", 150 LB, Black Malleable Iron Bushing.....	14.75	7.82
			<i>For Work In Restricted Working Space, Add</i>	3.53	
	23 21	13 23-0290	EA 1" x 3/8", 150 LB, Black Malleable Iron Bushing.....	15.78	7.78
			<i>For Work In Restricted Working Space, Add</i>	3.50	
	23 21	13 23-0291	EA 1" x 1/2", 150 LB, Black Malleable Iron Bushing.....	15.56	8.32
			<i>For Work In Restricted Working Space, Add</i>	3.74	
	23 21	13 23-0292	EA 1" x 3/4", 150 LB, Black Malleable Iron Bushing.....	16.22	8.78
			<i>For Work In Restricted Working Space, Add</i>	3.94	
	23 21	13 23-0293	EA 1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing.....	17.19	8.37
			<i>For Work In Restricted Working Space, Add</i>	3.77	
	23 21	13 23-0294	EA 1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing.....	17.81	8.95
			<i>For Work In Restricted Working Space, Add</i>	4.02	
	23 21	13 23-0295	EA 1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	18.04	9.36
			<i>For Work In Restricted Working Space, Add</i>	4.22	
	23 21	13 23-0296	EA 1-1/4" x 1", 150 LB, Black Malleable Iron Bushing.....	18.76	9.86
			<i>For Work In Restricted Working Space, Add</i>	4.43	
	23 21	13 23-0297	EA 1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	19.68	9.07
			<i>For Work In Restricted Working Space, Add</i>	4.07	
	23 21	13 23-0298	EA 1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	19.43	9.61
			<i>For Work In Restricted Working Space, Add</i>	4.32	
	23 21	13 23-0299	EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	20.10	10.03
			<i>For Work In Restricted Working Space, Add</i>	4.52	
	23 21	13 23-0300	EA 1-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	20.20	10.53
			<i>For Work In Restricted Working Space, Add</i>	4.73	
	23 21	13 23-0301	EA 1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	21.76	11.15
			<i>For Work In Restricted Working Space, Add</i>	5.01	
	23 21	13 23-0302	EA 2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	24.59	10.65
			<i>For Work In Restricted Working Space, Add</i>	4.79	
	23 21	13 23-0303	EA 2" x 1/2", 150 LB, Black Malleable Iron Bushing.....	24.40	11.20
			<i>For Work In Restricted Working Space, Add</i>	5.04	
	23 21	13 23-0304	EA 2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	23.89	11.65
			<i>For Work In Restricted Working Space, Add</i>	5.24	
	23 21	13 23-0305	EA 2" x 1", 150 LB, Black Malleable Iron Bushing.....	24.21	12.11
			<i>For Work In Restricted Working Space, Add</i>	5.45	
	23 21	13 23-0306	EA 2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	25.13	12.74
			<i>For Work In Restricted Working Space, Add</i>	5.73	
	23 21	13 23-0307	EA 2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	26.81	13.39
			<i>For Work In Restricted Working Space, Add</i>	6.03	
	23 21	13 23-0308	EA 2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing.....	33.81	15.23
			<i>For Work In Restricted Working Space, Add</i>	6.86	
	23 21	13 23-0309	EA 2-1/2" x 1", 150 LB, Black Malleable Iron Bushing.....	34.53	15.72
			<i>For Work In Restricted Working Space, Add</i>	7.07	
	23 21	13 23-0310	EA 2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	35.45	16.31
			<i>For Work In Restricted Working Space, Add</i>	7.35	
	23 21	13 23-0311	EA 2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	35.70	17.02
			<i>For Work In Restricted Working Space, Add</i>	7.65	
	23 21	13 23-0312	EA 2-1/2" x 2", 150 LB, Black Malleable Iron Bushing.....	38.01	18.60
			<i>For Work In Restricted Working Space, Add</i>	8.37	
	23 21	13 23-0313	EA 3" x 3/4", 150 LB, Black Malleable Iron Bushing.....	43.26	18.72
			<i>For Work In Restricted Working Space, Add</i>	8.44	
	23 21	13 23-0314	EA 3" x 1", 150 LB, Black Malleable Iron Bushing.....	43.97	19.22
			<i>For Work In Restricted Working Space, Add</i>	8.65	
	23 21	13 23-0315	EA 3" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	44.90	19.85
			<i>For Work In Restricted Working Space, Add</i>	8.93	
	23 21	13 23-0316	EA 3" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	45.61	20.52
			<i>For Work In Restricted Working Space, Add</i>	9.23	
	23 21	13 23-0317	EA 3" x 2", 150 LB, Black Malleable Iron Bushing.....	47.03	22.10
			<i>For Work In Restricted Working Space, Add</i>	9.95	
	23 21	13 23-0318	EA 3" x 2-1/2", 150 LB, Black Malleable Iron Bushing.....	52.63	25.71
			<i>For Work In Restricted Working Space, Add</i>	11.56	
	23 21	13 23-0319	EA 4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	56.35	18.18
			<i>For Work In Restricted Working Space, Add</i>	8.19	
	23 21	13 23-0320	EA 4" x 1", 150 LB, Black Malleable Iron Bushing.....	57.00	18.63
			<i>For Work In Restricted Working Space, Add</i>	8.39	
	23 21	13 23-0321	EA 4" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	57.82	19.19
			<i>For Work In Restricted Working Space, Add</i>	8.63	
	23 21	13 23-0322	EA 4" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	58.71	19.79
			<i>For Work In Restricted Working Space, Add</i>	8.90	
	23 21	13 23-0323	EA 4" x 2", 150 LB, Black Malleable Iron Bushing.....	59.30	21.20
			<i>For Work In Restricted Working Space, Add</i>	9.54	
	23 21	13 23-0324	EA 4" x 2-1/2", 150 LB, Black Malleable Iron Bushing.....	64.13	24.44
			<i>For Work In Restricted Working Space, Add</i>	10.99	
	23 21	13 23-0325	EA 4" x 3", 150 LB, Black Malleable Iron Bushing.....	68.85	27.58
			<i>For Work In Restricted Working Space, Add</i>	12.41	
23 21	13 23-0326		Black Malleable Iron Square Head Plugs (23 21 13 23-0014)		
	23 21	13 23-0327	EA 3/8", 150 LB, Black Malleable Iron Square Head Plug.....	5.29	2.45
			<i>For Work In Restricted Working Space, Add</i>	1.11	
	23 21	13 23-0328	EA 1/2", 150 LB, Black Malleable Iron Square Head Plug.....	6.13	2.96
			<i>For Work In Restricted Working Space, Add</i>	1.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0329	EA 3/4", 150 LB, Black Malleable Iron Square Head Plug.....	6.65	3.33
	<i>For Work In Restricted Working Space, Add</i>	1.49	
23 21 13 23-0330	EA 1", 150 LB, Black Malleable Iron Square Head Plug.....	7.67	3.71
	<i>For Work In Restricted Working Space, Add</i>	1.66	
23 21 13 23-0331	EA 1-1/4", 150 LB, Black Malleable Iron Square Head Plug.....	8.96	4.20
	<i>For Work In Restricted Working Space, Add</i>	1.88	
23 21 13 23-0332	EA 1-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	10.82	4.70
	<i>For Work In Restricted Working Space, Add</i>	2.12	
23 21 13 23-0333	EA 2", 150 LB, Black Malleable Iron Square Head Plug.....	14.31	5.99
	<i>For Work In Restricted Working Space, Add</i>	2.70	
23 21 13 23-0334	EA 2-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	22.98	8.87
	<i>For Work In Restricted Working Space, Add</i>	3.99	
23 21 13 23-0335	EA 3", 150 LB, Black Malleable Iron Square Head Plug.....	30.79	11.69
	<i>For Work In Restricted Working Space, Add</i>	5.26	
23 21 13 23-0336	EA 4", 150 LB, Black Malleable Iron Square Head Plug.....	45.24	11.59
	<i>For Work In Restricted Working Space, Add</i>	5.22	
23 21 13 23-0337	EA 5", 150 LB, Black Malleable Iron Square Head Plug.....	77.95	12.11
	<i>For Work In Restricted Working Space, Add</i>	5.44	
23 21 13 23-0338	EA 6", 150 LB, Black Malleable Iron Square Head Plug.....	93.06	12.64
	<i>For Work In Restricted Working Space, Add</i>	5.69	
23 21 13 23-0339	125 LB Black Cast Iron Screwed Flanges <small>(23 21 13 23-0014)</small>		
23 21 13 23-0340	EA 3/4", 125 LB, Black Cast Iron Flange.....	55.28	16.65
	<i>For Work In Restricted Working Space, Add</i>	7.49	
23 21 13 23-0341	EA 1", 125 LB, Black Cast Iron Flange.....	47.49	18.80
	<i>For Work In Restricted Working Space, Add</i>	8.46	
23 21 13 23-0342	EA 1-1/4", 125 LB, Black Cast Iron Flange.....	52.27	19.47
	<i>For Work In Restricted Working Space, Add</i>	8.76	
23 21 13 23-0343	EA 1-1/2", 125 LB, Black Cast Iron Flange.....	53.08	21.18
	<i>For Work In Restricted Working Space, Add</i>	9.53	
23 21 13 23-0344	EA 2", 125 LB, Black Cast Iron Flange.....	54.43	22.10
	<i>For Work In Restricted Working Space, Add</i>	9.95	
23 21 13 23-0345	EA 2-1/2", 125 LB, Black Cast Iron Flange.....	63.24	25.59
	<i>For Work In Restricted Working Space, Add</i>	11.51	
23 21 13 23-0346	EA 3", 125 LB, Black Cast Iron Flange.....	80.73	32.46
	<i>For Work In Restricted Working Space, Add</i>	14.60	
23 21 13 23-0347	EA 4", 125 LB, Black Cast Iron Flange.....	102.83	39.76
	<i>For Work In Restricted Working Space, Add</i>	17.89	
23 21 13 23-0348	EA 5", 125 LB, Black Cast Iron Flange.....	132.02	47.36
	<i>For Work In Restricted Working Space, Add</i>	21.29	
23 21 13 23-0349	EA 6", 125 LB, Black Cast Iron Flange.....	150.58	54.37
	<i>For Work In Restricted Working Space, Add</i>	24.46	
23 21 13 23-0350	150 LB, Black Malleable Iron Flanges <small>(23 21 13 23-0014)</small>		
23 21 13 23-0351	EA 1/2", 150 LB, Black Malleable Iron Flange.....	29.51	15.19
	<i>For Work In Restricted Working Space, Add</i>	6.84	
23 21 13 23-0352	EA 3/4", 150 LB, Black Malleable Iron Flange.....	32.19	16.65
	<i>For Work In Restricted Working Space, Add</i>	7.49	
23 21 13 23-0353	EA 1", 150 LB, Black Malleable Iron Flange.....	37.60	18.80
	<i>For Work In Restricted Working Space, Add</i>	8.46	
23 21 13 23-0354	EA 1-1/4", 150 LB, Black Malleable Iron Flange.....	39.24	19.47
	<i>For Work In Restricted Working Space, Add</i>	8.76	
23 21 13 23-0355	EA 1-1/2", 150 LB, Black Malleable Iron Flange.....	42.71	21.18
	<i>For Work In Restricted Working Space, Add</i>	9.53	
23 21 13 23-0356	EA 2", 150 LB, Black Malleable Iron Flange.....	47.43	22.10
	<i>For Work In Restricted Working Space, Add</i>	9.95	
23 21 13 23-0357	EA 2-1/2", 150 LB, Black Malleable Iron Flange.....	60.75	25.59
	<i>For Work In Restricted Working Space, Add</i>	11.51	
23 21 13 23-0358	EA 3", 150 LB, Black Malleable Iron Flange.....	76.96	32.46
	<i>For Work In Restricted Working Space, Add</i>	14.60	
23 21 13 23-0359	EA 4", 150 LB, Black Malleable Iron Flange.....	107.69	39.76
	<i>For Work In Restricted Working Space, Add</i>	17.88	
23 21 13 23-0360	Cut And Thread Existing In-Place Black Steel Pipe <small>(23 21 13 23-0014)</small>		
	Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0361	EA 1/2", Cut And Thread Existing In Place Black Steel Pipe.....	13.55	
	<i>For Work In Restricted Working Space, Add</i>	4.07	
23 21 13 23-0362	EA 3/4", Cut And Thread Existing In Place Black Steel Pipe.....	14.91	
	<i>For Work In Restricted Working Space, Add</i>	4.47	
23 21 13 23-0363	EA 1", Cut And Thread Existing In Place Black Steel Pipe.....	16.27	
	<i>For Work In Restricted Working Space, Add</i>	4.88	
23 21 13 23-0364	EA 1-1/4", Cut And Thread Existing In Place Black Steel Pipe.....	17.62	
	<i>For Work In Restricted Working Space, Add</i>	5.29	
23 21 13 23-0365	EA 1-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	18.52	
	<i>For Work In Restricted Working Space, Add</i>	5.56	
23 21 13 23-0366	EA 2", Cut And Thread Existing In Place Black Steel Pipe.....	19.43	
	<i>For Work In Restricted Working Space, Add</i>	5.83	
23 21 13 23-0367	EA 2-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	20.34	
	<i>For Work In Restricted Working Space, Add</i>	6.10	
23 21 13 23-0368	EA 3", Cut And Thread Existing In Place Black Steel Pipe.....	21.24	
	<i>For Work In Restricted Working Space, Add</i>	6.37	
23 21 13 23-0369	EA 4", Cut And Thread Existing In Place Black Steel Pipe.....	22.14	
	<i>For Work In Restricted Working Space, Add</i>	6.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	23.94 7.18	
23 21	13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	25.75 7.73	
23 21	13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	28.01 8.40	
23 21	13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	29.82 8.95	
23 21	13 23-0374		Welded Black Steel Pipe (23 21 13 23)		
23 21	13 23-0375		Welded Plain End Black Steel Pipe Assemblies (23 21 13 23-0374) Note: ASTM A-53. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
23 21	13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	12.99 2.86	3.91
23 21	13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	14.38 3.20	4.17
23 21	13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	17.39 3.67	4.43
23 21	13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	18.58 3.84	4.43
23 21	13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	21.15 4.45	4.43
23 21	13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	24.51 5.15	4.43
23 21	13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	28.73 5.44	4.32
23 21	13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	35.63 6.00	4.83
23 21	13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	49.08 6.91	7.20
23 21	13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	74.60 10.25	8.95
23 21	13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	100.86 12.22	11.18
23 21	13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	127.24 14.12	13.51
23 21	13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	141.75 15.75	17.63
23 21	13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	166.12 17.60	22.37
23 21	13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	211.67 19.31	27.69
23 21	13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	275.15 22.10	34.22
23 21	13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	345.09 24.30	38.79
23 21	13 23-0393		Welded Black Steel Pipe And Fittings (23 21 13 23-0374) Note: ASTM A-53. Excludes hangers or fittings.		
23 21	13 23-0394		Welded Plain End Black Steel Piping (23 21 13 23-0393) Note: ASTM A-53		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0395	LF	3/4"	Schedule 40, Welded Plain End Black Steel Pipe	5.38	2.08
			<i>For Schedule 80 Pipe, Add</i>	0.87	
			<i>For Schedule A-106 Pipe, Add</i>	0.15	
			<i>For Work In Restricted Working Space, Add</i>	1.25	
23 21 13 23-0396	LF	1"	Schedule 40, Welded Plain End Black Steel Pipe	6.83	2.61
			<i>For Schedule 80 Pipe, Add</i>	1.11	
			<i>For Schedule A-106 Pipe, Add</i>	0.19	
			<i>For Work In Restricted Working Space, Add</i>	1.57	
23 21 13 23-0397	LF	1-1/4"	Schedule 40, Welded Plain End Black Steel Pipe	8.61	3.13
			<i>For Schedule 80 Pipe, Add</i>	1.41	
			<i>For Schedule A-106 Pipe, Add</i>	0.28	
			<i>For Work In Restricted Working Space, Add</i>	1.88	
23 21 13 23-0398	LF	1-1/2"	Schedule 40, Welded Plain End Black Steel Pipe	10.44	3.65
			<i>For Schedule 80 Pipe, Add</i>	1.72	
			<i>For Schedule A-106 Pipe, Add</i>	0.38	
			<i>For Work In Restricted Working Space, Add</i>	2.19	
23 21 13 23-0399	LF	2"	Schedule 40, Welded Plain End Black Steel Pipe	12.41	4.32
			<i>For Schedule 80 Pipe, Add</i>	2.05	
			<i>For Schedule A-106 Pipe, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	2.60	
23 21 13 23-0400	LF	2-1/2"	Schedule 40, Welded Plain End Black Steel Pipe	14.18	4.90
			<i>For Schedule 80 Pipe, Add</i>	3.25	
			<i>For Schedule A-106 Pipe, Add</i>	0.53	
			<i>For Work In Restricted Working Space, Add</i>	2.94	
23 21 13 23-0401	LF	3"	Schedule 40, Welded Plain End Black Steel Pipe	17.48	5.27
			<i>For Schedule 80 Pipe, Add</i>	4.28	
			<i>For Schedule A-106 Pipe, Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21 13 23-0402	LF	4"	Schedule 40, Welded Plain End Black Steel Pipe	24.17	6.51
			<i>For Schedule 80 Pipe, Add</i>	6.18	
			<i>For Schedule A-106 Pipe, Add</i>	1.34	
			<i>For Work In Restricted Working Space, Add</i>	3.91	
23 21 13 23-0403	LF	6"	Schedule 40, Welded Plain End Black Steel Pipe	34.83	10.56
			<i>For Schedule 80 Pipe, Add</i>	9.36	
			<i>For Schedule A-106 Pipe, Add</i>	2.24	
			<i>For Work In Restricted Working Space, Add</i>	4.85	
23 21 13 23-0404	LF	8"	Schedule 40, Welded Plain End Black Steel Pipe	47.38	9.62
			<i>For Schedule 80 Pipe, Add</i>	13.22	
			<i>For Schedule A-106 Pipe, Add</i>	3.38	
			<i>For Schedule 30 Pipe, Deduct</i>	-7.55	
			<i>For Work In Restricted Working Space, Add</i>	5.77	
23 21 13 23-0405	LF	10"	Schedule 40, Welded Plain End Black Steel Pipe	63.02	11.58
			<i>For Schedule 80 Pipe, Add</i>	18.00	
			<i>For Schedule A-106 Pipe, Add</i>	4.78	
			<i>For Schedule 30 Pipe, Deduct</i>	-10.29	
			<i>For Work In Restricted Working Space, Add</i>	6.95	
23 21 13 23-0406	LF	12"	Schedule 40, Welded Plain End Black Steel Pipe	80.69	14.00
			<i>For Schedule 80 Pipe, Add</i>	23.34	
			<i>For Schedule A-106 Pipe, Add</i>	6.32	
			<i>For Schedule 30 Pipe, Deduct</i>	-13.34	
			<i>For Work In Restricted Working Space, Add</i>	8.40	
23 21 13 23-0407	LF	14"	Schedule 40, Welded Plain End Black Steel Pipe	77.57	14.76
			<i>For Schedule 80 Pipe, Add</i>	21.98	
			<i>For Schedule A-106 Pipe, Add</i>	5.76	
			<i>For Schedule 30 Pipe, Deduct</i>	-12.56	
			<i>For Schedule 20 Pipe, Deduct</i>	-22.72	
			<i>For Work In Restricted Working Space, Add</i>	8.86	
23 21 13 23-0408	LF	16"	Schedule 40, Welded Plain End Black Steel Pipe	85.45	15.88
			<i>For Schedule 80 Pipe, Add</i>	24.35	
			<i>For Schedule A-106 Pipe, Add</i>	6.44	
			<i>For Schedule 30 Pipe, Deduct</i>	-13.91	
			<i>For Schedule 20 Pipe, Deduct</i>	-25.14	
			<i>For Work In Restricted Working Space, Add</i>	9.53	
23 21 13 23-0409	LF	18"	Schedule 40, Welded Plain End Black Steel Pipe	108.78	17.18
			<i>For Schedule 80 Pipe, Add</i>	32.06	
			<i>For Schedule A-106 Pipe, Add</i>	8.93	
			<i>For Schedule 30 Pipe, Deduct</i>	-18.32	
			<i>For Schedule 20 Pipe, Deduct</i>	-32.92	
			<i>For Work In Restricted Working Space, Add</i>	10.31	
23 21 13 23-0410	LF	20"	Schedule 40, Welded Plain End Black Steel Pipe	128.54	20.58
			<i>For Schedule 80 Pipe, Add</i>	37.79	
			<i>For Schedule A-106 Pipe, Add</i>	10.49	
			<i>For Work In Restricted Working Space, Add</i>	12.35	
23 21 13 23-0411	LF	24"	Schedule 40, Welded Plain End Black Steel Pipe	160.22	23.67
			<i>For Schedule 80 Pipe, Add</i>	47.79	
			<i>For Schedule A-106 Pipe, Add</i>	13.55	
			<i>For Work In Restricted Working Space, Add</i>	14.20	
23 21 13 23-0412			Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)		
23 21 13 23-0413	EA	3/4"	Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	54.39	28.37
			<i>For Schedule 80 Fittings, Add</i>	11.85	
			<i>For Work In Restricted Working Space, Add</i>	12.75	
23 21 13 23-0414	EA	1"	Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	56.62	29.84
			<i>For Schedule 80 Fittings, Add</i>	12.29	
			<i>For Work In Restricted Working Space, Add</i>	13.42	
23 21 13 23-0415	EA	1-1/4"	Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	62.88	34.00
			<i>For Schedule 80 Fittings, Add</i>	13.51	
			<i>For Work In Restricted Working Space, Add</i>	15.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0416	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	66.90	36.69
			<i>For Schedule 80 Fittings, Add</i>	14.29	
			<i>For Work In Restricted Working Space, Add</i>	16.51	
23 21	13 23-0417	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	83.45	47.74
			<i>For Schedule 80 Fittings, Add</i>	17.52	
			<i>For Work In Restricted Working Space, Add</i>	21.47	
23 21	13 23-0418	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	105.31	59.69
			<i>For Schedule 80 Fittings, Add</i>	22.20	
			<i>For Work In Restricted Working Space, Add</i>	26.84	
23 21	13 23-0419	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	124.56	70.48
			<i>For Schedule 80 Fittings, Add</i>	26.28	
			<i>For Work In Restricted Working Space, Add</i>	31.69	
23 21	13 23-0420	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	213.89	121.78
			<i>For Schedule 80 Fittings, Add</i>	45.00	
			<i>For Work In Restricted Working Space, Add</i>	54.77	
23 21	13 23-0421	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	378.31	200.96
			<i>For Schedule 80 Fittings, Add</i>	81.85	
			<i>For Work In Restricted Working Space, Add</i>	90.40	
23 21	13 23-0422	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	506.40	242.45
			<i>For Schedule 80 Fittings, Add</i>	113.75	
			<i>For Work In Restricted Working Space, Add</i>	109.06	
23 21	13 23-0423	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	677.79	277.12
			<i>For Schedule 80 Fittings, Add</i>	159.71	
			<i>For Work In Restricted Working Space, Add</i>	124.64	
23 21	13 23-0424	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	923.98	362.57
			<i>For Schedule 80 Fittings, Add</i>	220.12	
			<i>For Work In Restricted Working Space, Add</i>	163.07	
23 21	13 23-0425	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,157.41	428.57
			<i>For Schedule 80 Fittings, Add</i>	279.76	
			<i>For Work In Restricted Working Space, Add</i>	192.76	
23 21	13 23-0426	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,455.03	500.47
			<i>For Schedule 80 Fittings, Add</i>	357.73	
			<i>For Work In Restricted Working Space, Add</i>	225.09	
23 21	13 23-0427	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,743.66	558.05
			<i>For Schedule 80 Fittings, Add</i>	435.25	
			<i>For Work In Restricted Working Space, Add</i>	250.99	
23 21	13 23-0428	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,271.25	625.70
			<i>For Schedule 80 Fittings, Add</i>	582.87	
			<i>For Work In Restricted Working Space, Add</i>	281.43	
23 21	13 23-0429	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,711.67	646.59
			<i>For Schedule 80 Fittings, Add</i>	711.72	
			<i>For Work In Restricted Working Space, Add</i>	290.81	
23 21 13 23-0430 Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0393)					
23 21	13 23-0431	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	311.71	121.98
			<i>For Schedule 80 Fittings, Add</i>	74.31	
			<i>For Work In Restricted Working Space, Add</i>	54.87	
23 21	13 23-0432	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	549.82	198.66
			<i>For Schedule 80 Fittings, Add</i>	133.67	
			<i>For Work In Restricted Working Space, Add</i>	89.36	
23 21	13 23-0433	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	593.02	198.66
			<i>For Schedule 80 Fittings, Add</i>	146.63	
			<i>For Work In Restricted Working Space, Add</i>	89.36	
23 21	13 23-0434	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	894.98	242.45
			<i>For Schedule 80 Fittings, Add</i>	230.32	
			<i>For Work In Restricted Working Space, Add</i>	109.06	
23 21	13 23-0435	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	997.97	242.45
			<i>For Schedule 80 Fittings, Add</i>	261.22	
			<i>For Work In Restricted Working Space, Add</i>	109.06	
23 21	13 23-0436	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,264.95	277.12
			<i>For Schedule 80 Fittings, Add</i>	335.86	
			<i>For Work In Restricted Working Space, Add</i>	124.64	
23 21	13 23-0437	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,264.95	277.12
			<i>For Schedule 80 Fittings, Add</i>	335.86	
			<i>For Work In Restricted Working Space, Add</i>	124.64	
23 21	13 23-0438	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,131.14	369.47
			<i>For Schedule 80 Fittings, Add</i>	581.18	
			<i>For Work In Restricted Working Space, Add</i>	166.18	
23 21	13 23-0439	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,131.14	369.47
			<i>For Schedule 80 Fittings, Add</i>	581.18	
			<i>For Work In Restricted Working Space, Add</i>	166.18	
23 21	13 23-0440	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,411.30	369.47
			<i>For Schedule 80 Fittings, Add</i>	665.23	
			<i>For Work In Restricted Working Space, Add</i>	166.18	
23 21 13 23-0441 Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0393)					
23 21	13 23-0442	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	53.74	29.56
			<i>For Schedule 80 Fittings, Add</i>	11.47	
			<i>For Work In Restricted Working Space, Add</i>	13.29	
23 21	13 23-0443	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	55.31	30.60
			<i>For Schedule 80 Fittings, Add</i>	11.78	
			<i>For Work In Restricted Working Space, Add</i>	13.76	
23 21	13 23-0444	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	62.08	35.14
			<i>For Schedule 80 Fittings, Add</i>	13.10	
			<i>For Work In Restricted Working Space, Add</i>	15.80	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0445	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	66.25	37.90
			<i>For Schedule 80 Fittings, Add</i>	13.91	
			<i>For Work In Restricted Working Space, Add</i>	17.05	
23 21	13 23-0446	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	82.94	49.00
			<i>For Schedule 80 Fittings, Add</i>	17.16	
			<i>For Work In Restricted Working Space, Add</i>	22.05	
23 21	13 23-0447	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	103.25	61.56
			<i>For Schedule 80 Fittings, Add</i>	21.29	
			<i>For Work In Restricted Working Space, Add</i>	27.68	
23 21	13 23-0448	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	119.44	70.42
			<i>For Schedule 80 Fittings, Add</i>	24.74	
			<i>For Work In Restricted Working Space, Add</i>	31.68	
23 21	13 23-0449	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	205.39	121.73
			<i>For Schedule 80 Fittings, Add</i>	42.45	
			<i>For Work In Restricted Working Space, Add</i>	54.76	
23 21	13 23-0450	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	357.19	200.75
			<i>For Schedule 80 Fittings, Add</i>	75.55	
			<i>For Work In Restricted Working Space, Add</i>	90.29	
23 21	13 23-0451	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	467.84	242.45
			<i>For Schedule 80 Fittings, Add</i>	102.18	
			<i>For Work In Restricted Working Space, Add</i>	109.06	
23 21	13 23-0452	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	607.00	277.12
			<i>For Schedule 80 Fittings, Add</i>	138.48	
			<i>For Work In Restricted Working Space, Add</i>	124.64	
23 21	13 23-0453	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	820.31	361.90
			<i>For Schedule 80 Fittings, Add</i>	189.12	
			<i>For Work In Restricted Working Space, Add</i>	162.77	
23 21	13 23-0454	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,019.32	429.16
			<i>For Schedule 80 Fittings, Add</i>	238.24	
			<i>For Work In Restricted Working Space, Add</i>	193.02	
23 21	13 23-0455	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,264.09	499.93
			<i>For Schedule 80 Fittings, Add</i>	300.53	
			<i>For Work In Restricted Working Space, Add</i>	224.86	
23 21	13 23-0456	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,497.94	557.38
			<i>For Schedule 80 Fittings, Add</i>	361.64	
			<i>For Work In Restricted Working Space, Add</i>	250.70	
23 21	13 23-0457	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,911.49	625.70
			<i>For Schedule 80 Fittings, Add</i>	474.95	
			<i>For Work In Restricted Working Space, Add</i>	281.43	
23 21	13 23-0458	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,241.51	646.59
			<i>For Schedule 80 Fittings, Add</i>	570.67	
			<i>For Work In Restricted Working Space, Add</i>	290.81	
23 21	13 23-0459		Welded Plain End Black Steel Tee <small>(23 21 13 23-0393)</small>		
23 21	13 23-0460	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	111.89	55.62
			<i>For Schedule 80 Fittings, Add</i>	24.81	
			<i>For Work In Restricted Working Space, Add</i>	25.02	
23 21	13 23-0461	EA	1" Standard Weight, Welded Plain End Black Steel Tee	111.86	55.62
			<i>For Schedule 80 Fittings, Add</i>	24.80	
			<i>For Work In Restricted Working Space, Add</i>	25.01	
23 21	13 23-0462	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	127.08	61.88
			<i>For Schedule 80 Fittings, Add</i>	28.39	
			<i>For Work In Restricted Working Space, Add</i>	27.83	
23 21	13 23-0463	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	138.59	69.54
			<i>For Schedule 80 Fittings, Add</i>	30.63	
			<i>For Work In Restricted Working Space, Add</i>	31.28	
23 21	13 23-0464	EA	2" Standard Weight, Welded Plain End Black Steel Tee	169.56	92.84
			<i>For Schedule 80 Fittings, Add</i>	36.25	
			<i>For Work In Restricted Working Space, Add</i>	41.76	
23 21	13 23-0465	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	194.11	104.31
			<i>For Schedule 80 Fittings, Add</i>	41.81	
			<i>For Work In Restricted Working Space, Add</i>	46.92	
23 21	13 23-0466	EA	3" Standard Weight, Welded Plain End Black Steel Tee	231.51	126.68
			<i>For Schedule 80 Fittings, Add</i>	49.53	
			<i>For Work In Restricted Working Space, Add</i>	56.93	
23 21	13 23-0467	EA	4" Standard Weight, Welded Plain End Black Steel Tee	332.45	183.03
			<i>For Schedule 80 Fittings, Add</i>	70.93	
			<i>For Work In Restricted Working Space, Add</i>	82.31	
23 21	13 23-0468	EA	6" Standard Weight, Welded Plain End Black Steel Tee	559.04	302.35
			<i>For Schedule 80 Fittings, Add</i>	120.12	
			<i>For Work In Restricted Working Space, Add</i>	135.99	
23 21	13 23-0469	EA	8" Standard Weight, Welded Plain End Black Steel Tee	749.72	369.47
			<i>For Schedule 80 Fittings, Add</i>	166.75	
			<i>For Work In Restricted Working Space, Add</i>	166.18	
23 21	13 23-0470	EA	10" Standard Weight, Welded Plain End Black Steel Tee	974.53	431.03
			<i>For Schedule 80 Fittings, Add</i>	224.50	
			<i>For Work In Restricted Working Space, Add</i>	193.88	
23 21	13 23-0471	EA	12" Standard Weight, Welded Plain End Black Steel Tee	1,330.17	554.20
			<i>For Schedule 80 Fittings, Add</i>	311.81	
			<i>For Work In Restricted Working Space, Add</i>	249.27	
23 21	13 23-0472	EA	14" Standard Weight, Welded Plain End Black Steel Tee	1,772.11	646.59
			<i>For Schedule 80 Fittings, Add</i>	429.85	
			<i>For Work In Restricted Working Space, Add</i>	290.81	
23 21	13 23-0473	EA	16" Standard Weight, Welded Plain End Black Steel Tee	2,133.70	775.89
			<i>For Schedule 80 Fittings, Add</i>	517.97	
			<i>For Work In Restricted Working Space, Add</i>	348.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0474	EA	18" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,877.69 727.59 387.75	862.11
23 21	13 23-0475	EA	20" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,901.39 1,017.74 436.22	969.89
23 21	13 23-0476	EA	24" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,551.01 1,200.88 469.78	1,044.49
23 21 13 23-0477 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)					
23 21	13 23-0478	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.28 24.30 24.24	53.90
23 21	13 23-0479	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.86 24.80 25.01	55.62
23 21	13 23-0480	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.26 27.84 27.83	61.88
23 21	13 23-0481	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.77 30.08 31.28	69.54
23 21	13 23-0482	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.65 37.47 41.77	92.84
23 21	13 23-0483	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.18 41.83 46.94	104.36
23 21	13 23-0484	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	231.70 49.59 56.93	126.68
23 21	13 23-0485	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	332.72 71.01 82.31	183.03
23 21	13 23-0486	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	559.50 120.25 135.99	302.35
23 21	13 23-0487	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	750.60 167.02 166.18	369.47
23 21	13 23-0488	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	976.03 224.95 193.88	431.03
23 21	13 23-0489	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,332.43 312.49 249.27	554.20
23 21	13 23-0490	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,775.75 430.94 290.81	646.59
23 21	13 23-0491	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,138.11 519.29 348.98	775.89
23 21	13 23-0492	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,884.91 729.76 387.75	862.11
23 21 13 23-0493 Welded Plain End Black Steel Eccentric Reducers (23 21 13 23-0393)					
23 21	13 23-0494	EA	3" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	130.09 27.97 -7.93 31.59	70.22
23 21	13 23-0495	EA	4" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	212.94 44.68 -9.61 54.87	121.98
23 21	13 23-0496	EA	4" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	221.58 47.27 -12.37 54.87	121.98
23 21	13 23-0497	EA	6" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	358.58 76.30 -19.42 89.36	198.66
23 21	13 23-0498	EA	6" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	402.79 89.56 -33.57 89.36	198.66
23 21	13 23-0499	EA	8" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	544.03 115.61 -29.03 135.99	302.35
23 21	13 23-0500	EA	8" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	609.93 135.38 -50.12 135.99	302.35

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0501	EA	10" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	628.31	347.70
			<i>For Schedule 80 Fittings, Add</i>	133.76	
			<i>For Concentric Reducers, Deduct</i>	-34.25	
			<i>For Work In Restricted Working Space, Add</i>	156.39	
23 21	13 23-0502	EA	10" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	711.19	347.70
			<i>For Schedule 80 Fittings, Add</i>	158.62	
			<i>For Concentric Reducers, Deduct</i>	-60.77	
			<i>For Work In Restricted Working Space, Add</i>	156.39	
23 21	13 23-0503	EA	12" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer.....	721.26	368.75
			<i>For Schedule 80 Fittings, Add</i>	158.33	
			<i>For Concentric Reducers, Deduct</i>	-53.88	
			<i>For Work In Restricted Working Space, Add</i>	165.86	
23 21	13 23-0504	EA	12" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	817.23	368.75
			<i>For Schedule 80 Fittings, Add</i>	187.12	
			<i>For Concentric Reducers, Deduct</i>	-84.59	
			<i>For Work In Restricted Working Space, Add</i>	165.86	
23 21	13 23-0505	EA	14" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer.....	941.93	431.03
			<i>For Schedule 80 Fittings, Add</i>	214.72	
			<i>For Concentric Reducers, Deduct</i>	-94.61	
			<i>For Work In Restricted Working Space, Add</i>	193.88	
23 21	13 23-0506	EA	14" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer.....	995.46	431.03
			<i>For Schedule 80 Fittings, Add</i>	230.78	
			<i>For Concentric Reducers, Deduct</i>	-111.74	
			<i>For Work In Restricted Working Space, Add</i>	193.88	
23 21	13 23-0507	EA	16" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer.....	1,128.44	484.94
			<i>For Schedule 80 Fittings, Add</i>	262.19	
			<i>For Concentric Reducers, Deduct</i>	-128.45	
			<i>For Work In Restricted Working Space, Add</i>	218.11	
23 21	13 23-0508	EA	16" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer.....	1,266.15	484.94
			<i>For Schedule 80 Fittings, Add</i>	303.51	
			<i>For Concentric Reducers, Deduct</i>	-172.52	
			<i>For Work In Restricted Working Space, Add</i>	218.11	
23 21	13 23-0509	EA	18" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer.....	1,483.57	554.20
			<i>For Schedule 80 Fittings, Add</i>	357.83	
			<i>For Concentric Reducers, Deduct</i>	-208.86	
			<i>For Work In Restricted Working Space, Add</i>	249.27	
23 21	13 23-0510		Welded Plain End Black Steel Caps (23 21 13 23-0393)		
23 21	13 23-0511	EA	1" Standard Weight, Welded Plain End Black Steel Cap	32.11	17.41
			<i>For Schedule 80 Fittings, Add</i>	6.37	
			<i>For Work In Restricted Working Space, Add</i>	7.82	
23 21	13 23-0512	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	35.09	19.13
			<i>For Schedule 80 Fittings, Add</i>	6.94	
			<i>For Work In Restricted Working Space, Add</i>	8.60	
23 21	13 23-0513	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	36.50	19.81
			<i>For Schedule 80 Fittings, Add</i>	7.24	
			<i>For Work In Restricted Working Space, Add</i>	8.91	
23 21	13 23-0514	EA	2" Standard Weight, Welded Plain End Black Steel Cap	44.85	25.39
			<i>For Schedule 80 Fittings, Add</i>	8.70	
			<i>For Work In Restricted Working Space, Add</i>	11.42	
23 21	13 23-0515	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	52.67	30.60
			<i>For Schedule 80 Fittings, Add</i>	10.07	
			<i>For Work In Restricted Working Space, Add</i>	13.76	
23 21	13 23-0516	EA	3" Standard Weight, Welded Plain End Black Steel Cap	62.73	35.29
			<i>For Schedule 80 Fittings, Add</i>	12.20	
			<i>For Work In Restricted Working Space, Add</i>	15.88	
23 21	13 23-0517	EA	4" Standard Weight, Welded Plain End Black Steel Cap	104.51	60.99
			<i>For Schedule 80 Fittings, Add</i>	19.92	
			<i>For Work In Restricted Working Space, Add</i>	27.44	
23 21	13 23-0518	EA	6" Standard Weight, Welded Plain End Black Steel Cap	175.89	100.76
			<i>For Schedule 80 Fittings, Add</i>	33.88	
			<i>For Work In Restricted Working Space, Add</i>	45.33	
23 21	13 23-0519	EA	8" Standard Weight, Welded Plain End Black Steel Cap	291.49	169.63
			<i>For Schedule 80 Fittings, Add</i>	55.66	
			<i>For Work In Restricted Working Space, Add</i>	76.29	
23 21	13 23-0520	EA	10" Standard Weight, Welded Plain End Black Steel Cap	332.60	178.34
			<i>For Schedule 80 Fittings, Add</i>	66.36	
			<i>For Work In Restricted Working Space, Add</i>	80.20	
23 21	13 23-0521	EA	12" Standard Weight, Welded Plain End Black Steel Cap	352.13	180.44
			<i>For Schedule 80 Fittings, Add</i>	71.82	
			<i>For Work In Restricted Working Space, Add</i>	81.16	
23 21	13 23-0522	EA	14" Standard Weight, Welded Plain End Black Steel Cap	476.53	215.52
			<i>For Schedule 80 Fittings, Add</i>	102.57	
			<i>For Work In Restricted Working Space, Add</i>	96.94	
23 21	13 23-0523	EA	16" Standard Weight, Welded Plain End Black Steel Cap	553.43	250.28
			<i>For Schedule 80 Fittings, Add</i>	119.12	
			<i>For Work In Restricted Working Space, Add</i>	112.58	
23 21	13 23-0524	EA	18" Standard Weight, Welded Plain End Black Steel Cap	620.38	277.12
			<i>For Schedule 80 Fittings, Add</i>	134.18	
			<i>For Work In Restricted Working Space, Add</i>	124.64	
23 21	13 23-0525		150 LB, Welded Plain End Black Steel Neck Flanges (23 21 13 23-0393)		
			Note: 150 LB.		
23 21	13 23-0526	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange	83.85	33.73
			<i>For 300 LB Rating, Add</i>	28.60	
			<i>For Work In Restricted Working Space, Add</i>	15.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0527	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange.....	96.38	42.10
			<i>For 300 LB Rating, Add</i>	29.92	
			<i>For Work In Restricted Working Space, Add</i>	18.93	
23 21	13 23-0528	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange.....	117.38	56.09
			<i>For 300 LB Rating, Add</i>	32.14	
			<i>For Work In Restricted Working Space, Add</i>	25.22	
23 21	13 23-0529	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange.....	153.35	73.97
			<i>For 300 LB Rating, Add</i>	41.35	
			<i>For Work In Restricted Working Space, Add</i>	33.27	
23 21	13 23-0530	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange.....	233.46	112.18
			<i>For 300 LB Rating, Add</i>	63.37	
			<i>For Work In Restricted Working Space, Add</i>	50.45	
23 21	13 23-0531	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange.....	270.81	104.88
			<i>For 300 LB Rating, Add</i>	96.04	
			<i>For Work In Restricted Working Space, Add</i>	47.16	
23 21	13 23-0532	EA	10", 150 LB, Welded Plain End Black Steel Neck Flange.....	383.93	131.49
			<i>For 300 LB Rating, Add</i>	151.44	
			<i>For Work In Restricted Working Space, Add</i>	59.15	
23 21	13 23-0533	EA	12", 150 LB, Welded Plain End Black Steel Neck Flange.....	496.03	149.21
			<i>For 300 LB Rating, Add</i>	214.12	
			<i>For Work In Restricted Working Space, Add</i>	67.11	
23 21	13 23-0534	EA	14", 150 LB, Welded Plain End Black Steel Neck Flange.....	683.95	180.44
			<i>For 300 LB Rating, Add</i>	317.80	
			<i>For Work In Restricted Working Space, Add</i>	81.16	
23 21	13 23-0535	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange.....	960.31	209.70
			<i>For 300 LB Rating, Add</i>	485.15	
			<i>For Work In Restricted Working Space, Add</i>	94.32	
23 21	13 23-0536	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange.....	1,249.20	235.11
			<i>For 300 LB Rating, Add</i>	664.70	
			<i>For Work In Restricted Working Space, Add</i>	105.75	
23 21	13 23-0537	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange.....	1,583.12	298.42
			<i>For 300 LB Rating, Add</i>	841.98	
			<i>For Work In Restricted Working Space, Add</i>	134.22	
23 21	13 23-0538	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange.....	1,833.32	323.30
			<i>For 300 LB Rating, Add</i>	994.93	
			<i>For Work In Restricted Working Space, Add</i>	145.41	
23 21 13 23-0539 150 LB, Welded Black Steel Slip-On Flanges (23 21 13 23-0393)					
23 21	13 23-0540	EA	2", 150 LB, Welded Black Steel Slip-On Flanges	56.61	33.73
			<i>For 300 LB Rating, Add</i>	18.94	
			<i>For Work In Restricted Working Space, Add</i>	12.08	
23 21	13 23-0541	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange	70.21	42.10
			<i>For 300 LB Rating, Add</i>	24.07	
			<i>For Work In Restricted Working Space, Add</i>	14.76	
23 21	13 23-0542	EA	3", 150 LB, Welded Black Steel Slip-On Flange	92.47	56.09
			<i>For 300 LB Rating, Add</i>	29.35	
			<i>For Work In Restricted Working Space, Add</i>	20.33	
23 21	13 23-0543	EA	4", 150 LB, Welded Black Steel Slip-On Flange	122.34	73.97
			<i>For 300 LB Rating, Add</i>	39.65	
			<i>For Work In Restricted Working Space, Add</i>	26.59	
23 21	13 23-0544	EA	6", 150 LB, Welded Black Steel Slip-On Flange	182.21	112.18
			<i>For 300 LB Rating, Add</i>	60.38	
			<i>For Work In Restricted Working Space, Add</i>	39.10	
23 21	13 23-0545	EA	8", 150 LB, Welded Black Steel Slip-On Flange	222.12	104.88
			<i>For 300 LB Rating, Add</i>	86.09	
			<i>For Work In Restricted Working Space, Add</i>	42.95	
23 21	13 23-0546	EA	10", 150 LB, Welded Black Steel Slip-On Flange	315.25	131.49
			<i>For 300 LB Rating, Add</i>	141.45	
			<i>For Work In Restricted Working Space, Add</i>	53.69	
23 21	13 23-0547	EA	12", 150 LB, Welded Black Steel Slip-On Flange	429.78	149.21
			<i>For 300 LB Rating, Add</i>	216.08	
			<i>For Work In Restricted Working Space, Add</i>	64.43	
23 21	13 23-0548	EA	14", 150 LB, Welded Black Steel Slip-On Flange	564.72	180.44
			<i>For 300 LB Rating, Add</i>	309.06	
			<i>For Work In Restricted Working Space, Add</i>	75.17	
23 21	13 23-0549	EA	16", 150 LB, Welded Black Steel Slip-On Flange	700.39	209.70
			<i>For 300 LB Rating, Add</i>	409.83	
			<i>For Work In Restricted Working Space, Add</i>	83.22	
23 21	13 23-0550	EA	18", 150 LB, Welded Black Steel Slip-On Flange	778.53	235.11
			<i>For 300 LB Rating, Add</i>	458.81	
			<i>For Work In Restricted Working Space, Add</i>	91.27	
23 21	13 23-0551	EA	20", 150 LB, Welded Black Steel Slip-On Flange	870.18	298.42
			<i>For 300 LB Rating, Add</i>	519.95	
			<i>For Work In Restricted Working Space, Add</i>	99.32	
23 21	13 23-0552	EA	24", 150 LB, Welded Black Steel Slip-On Flange	990.49	323.30
			<i>For 300 LB Rating, Add</i>	585.56	
			<i>For Work In Restricted Working Space, Add</i>	115.43	
23 21 13 23-0553 150 LB, Forged Steel Blind Flanges (23 21 13 23-0393)					
23 21	13 23-0554	EA	2", 150 LB, Forged Steel Blind Flange.....	46.65	13.94
			<i>For 300 LB Rating, Add</i>	17.95	
			<i>For 600 LB Rating, Add</i>	49.25	
			<i>For Work In Restricted Working Space, Add</i>	8.36	
23 21	13 23-0555	EA	2-1/2", 150 LB, Forged Steel Blind Flange.....	63.90	16.72
			<i>For 300 LB Rating, Add</i>	27.87	
			<i>For 600 LB Rating, Add</i>	78.10	
			<i>For Work In Restricted Working Space, Add</i>	10.04	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0556	EA 3", 150 LB, Forged Steel Blind Flange.....	76.09	22.29
	For 300 LB Rating, Add	29.88	
	For 600 LB Rating, Add	82.29	
	For Work In Restricted Working Space, Add	13.38	
23 21 13 23-0557	EA 4", 150 LB, Forged Steel Blind Flange.....	99.15	27.87
	For 300 LB Rating, Add	40.58	
	For 600 LB Rating, Add	112.55	
	For Work In Restricted Working Space, Add	16.72	
23 21 13 23-0558	EA 6", 150 LB, Forged Steel Blind Flange.....	138.24	36.23
	For 300 LB Rating, Add	60.23	
	For 600 LB Rating, Add	168.74	
	For Work In Restricted Working Space, Add	21.74	
23 21 13 23-0559	EA 8", 150 LB, Forged Steel Blind Flange.....	187.96	41.81
	For 300 LB Rating, Add	92.26	
	For 600 LB Rating, Add	262.98	
	For Work In Restricted Working Space, Add	25.08	
23 21 13 23-0560	EA 10", 150 LB, Forged Steel Blind Flange.....	304.11	50.16
	For 300 LB Rating, Add	173.55	
	For 600 LB Rating, Add	504.10	
	For Work In Restricted Working Space, Add	30.10	
23 21 13 23-0561	EA 12", 150 LB, Forged Steel Blind Flange.....	405.47	58.53
	For 300 LB Rating, Add	243.02	
	For 600 LB Rating, Add	709.74	
	For Work In Restricted Working Space, Add	35.12	
23 21 13 23-0562	EA 14", 150 LB, Forged Steel Blind Flange.....	727.60	66.89
	For 300 LB Rating, Add	489.10	
	For Work In Restricted Working Space, Add	40.13	
23 21 13 23-0563	EA 16", 150 LB, Forged Steel Blind Flange.....	776.43	75.25
	For 300 LB Rating, Add	516.54	
	For Work In Restricted Working Space, Add	45.15	
23 21 13 23-0564	EA 18", 150 LB, Forged Steel Blind Flange.....	863.78	91.98
	For 300 LB Rating, Add	563.18	
	For Work In Restricted Working Space, Add	55.19	
23 21 13 23-0565	EA 20", 150 LB, Forged Steel Blind Flange.....	1,131.48	100.34
	For 300 LB Rating, Add	765.72	
	For Work In Restricted Working Space, Add	60.20	
23 21 13 23-0566	EA 24", 150 LB, Forged Steel Blind Flange.....	1,566.73	117.06
	For 300 LB Rating, Add	1,090.67	
	For Work In Restricted Working Space, Add	70.24	
23 21 13 23-0567	3,000 LB, Forge Steel Thread-O-Lets <small>(23 21 13 23-0393)</small>		
23 21 13 23-0568	EA 1/2", 3,000 LB, Forge Steel Thread-O-Let.....	42.98	
	For Weld-O-Lets, Add	4.11	
	For Sock-O-Lets, Add	16.74	
	For Work In Restricted Working Space, Add	10.43	
23 21 13 23-0569	EA 3/4", 3,000 LB, Forge Steel Thread-O-Let.....	51.36	
	For Weld-O-Lets, Add	4.83	
	For Sock-O-Lets, Add	20.00	
	For Work In Restricted Working Space, Add	12.51	
23 21 13 23-0570	EA 1", 3,000 LB, Forge Steel Thread-O-Let.....	58.22	
	For Weld-O-Lets, Add	5.42	
	For Sock-O-Lets, Add	22.67	
	For Work In Restricted Working Space, Add	14.22	
23 21 13 23-0571	EA 1-1/4" Or 1-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	67.48	
	For Weld-O-Lets, Add	7.68	
	For Sock-O-Lets, Add	26.41	
	For Work In Restricted Working Space, Add	15.64	
23 21 13 23-0572	EA 2", 3,000 LB, Forge Steel Thread-O-Let.....	77.13	
	For Weld-O-Lets, Add	9.60	
	For Sock-O-Lets, Add	30.27	
	For Work In Restricted Working Space, Add	17.38	
23 21 13 23-0573	EA 2-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	144.15	
	For Weld-O-Lets, Add	34.84	
	For Sock-O-Lets, Add	58.26	
	For Work In Restricted Working Space, Add	22.34	
23 21 13 23-0574	EA 3", 3,000 LB, Forge Steel Thread-O-Let.....	174.35	
	For Weld-O-Lets, Add	35.05	
	For Sock-O-Lets, Add	69.76	
	For Work In Restricted Working Space, Add	31.28	
23 21 13 23-0575	EA 4", 3,000 LB, Forge Steel Thread-O-Let.....	267.52	
	For Weld-O-Lets, Add	68.60	
	For Sock-O-Lets, Add	108.52	
	For Work In Restricted Working Space, Add	39.10	
23 21 13 23-0576	Bolt, Nut, And 150 LB Rubber Flange Gasket Set <small>(23 21 13 23-0393)</small>		
	Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0577	EA 3/4" To 1-1/2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	6.72	
	Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washer and nut.		
	For 300 LB Rating Gasket Set, Add	2.18	
	For 150 LB Rating Teflon Gasket Set, Add	8.77	
23 21 13 23-0578	EA 2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	11.96	
	Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut.		
	For 300 LB Rating Gasket Set, Add	3.89	
	For 150 LB Rating Teflon Gasket Set, Add	15.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0579	EA	2-1/2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	12.81 4.16 16.72	
23 21	13 23-0580	EA	3" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	13.49 4.38 17.60	
23 21	13 23-0581	EA	4" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	23.47 7.63 30.63	
23 21	13 23-0582	EA	5" To 6" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	36.80 11.96 48.02	
23 21	13 23-0583	EA	8" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	39.59 12.87 51.66	
23 21	13 23-0584	EA	10" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	80.72 26.23 105.34	
23 21	13 23-0585	EA	12" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	87.36 28.39 114.00	
23 21	13 23-0586	EA	14" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	123.90 40.27 161.69	
23 21	13 23-0587	EA	16" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	161.62 52.53 210.91	
23 21	13 23-0588	EA	18" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	233.74 75.97 305.03	
23 21	13 23-0589	EA	20" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	322.98 104.97 421.49	
23 21	13 23-0590	EA	24" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	403.72 131.21 526.85	
23 21	13 23-0591	EA	30" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	674.60 219.25 880.35	
23 21	13 23-0592	EA	36" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set..... Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washer and nut. <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i>	807.44 262.42 1,053.71	
23 21	13 23-0593		150 LB, Rubber Flange Gasket Replacement <small>(23 21 13 23-0593)</small> Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21	13 23-0594	EA	1/2", 150 LB, Rubber Flange Gasket Replacement..... <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.47 0.02 0.54 0.62 4.62	
23 21	13 23-0595	EA	3/4", 150 LB, Rubber Flange Gasket Replacement..... <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.53 0.04 0.77 0.89 4.93	
23 21	13 23-0596	EA	1", 150 LB, Rubber Flange Gasket Replacement..... <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.13 0.06 1.31 1.51 5.39	
23 21	13 23-0597	EA	1-1/4", 150 LB, Rubber Flange Gasket Replacement..... <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.71 0.07 1.55 1.78 5.85	
23 21	13 23-0598	EA	1-1/2", 150 LB, Rubber Flange Gasket Replacement..... <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.80 0.08 1.86 2.14 6.47	
23 21	13 23-0599	EA	2", 150 LB, Rubber Flange Gasket Replacement..... <i>For 300 LB Rating Gasket Set, Add</i> <i>For 150 LB Rating Teflon Gasket Set, Add</i> <i>For 300 LB Rating Teflon Gasket Set, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.96 0.12 2.63 3.03 7.09	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0600	EA 2-1/2", 150 LB, Rubber Flange Gasket Replacement	28.18	
	<i>For 300 LB Rating Gasket Set, Add</i>	0.16	
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	3.56	
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	4.09	
	<i>For Work In Restricted Working Space, Add</i>	8.32	
23 21 13 23-0601	EA 3", 150 LB, Rubber Flange Gasket Replacement	29.80	
	<i>For 300 LB Rating Gasket Set, Add</i>	0.19	
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	4.17	
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	4.81	
	<i>For Work In Restricted Working Space, Add</i>	8.78	
23 21 13 23-0602	EA 4", 150 LB, Rubber Flange Gasket Replacement	39.39	
	<i>For 300 LB Rating Gasket Set, Add</i>	0.31	
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	6.80	
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	7.83	
	<i>For Work In Restricted Working Space, Add</i>	11.55	
23 21 13 23-0603	EA 5", 150 LB, Rubber Flange Gasket Replacement	45.65	
	<i>For 300 LB Rating Gasket Set, Add</i>	0.34	
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	7.58	
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	8.72	
	<i>For Work In Restricted Working Space, Add</i>	13.40	
23 21 13 23-0604	EA 6", 150 LB, Rubber Flange Gasket Replacement	52.09	
	<i>For 300 LB Rating Gasket Set, Add</i>	0.44	
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	9.82	
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	11.30	
	<i>For Work In Restricted Working Space, Add</i>	15.25	
23 21 13 23-0605	EA 8", 150 LB, Rubber Flange Gasket Replacement	63.46	
	<i>For 300 LB Rating Gasket Set, Add</i>	0.65	
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	14.30	
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	16.47	
	<i>For Work In Restricted Working Space, Add</i>	18.48	
23 21 13 23-0606	EA 10", 150 LB, Rubber Flange Gasket Replacement	68.35	
	<i>For 300 LB Rating Gasket Set, Add</i>	0.92	
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	20.41	
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	23.50	
	<i>For Work In Restricted Working Space, Add</i>	19.71	
23 21 13 23-0607	EA 12", 150 LB, Rubber Flange Gasket Replacement	77.81	
	<i>For 300 LB Rating Gasket Set, Add</i>	1.18	
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	26.05	
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	29.99	
	<i>For Work In Restricted Working Space, Add</i>	22.33	
23 21 13 23-0608	EA 14", 150 LB, Rubber Flange Gasket Replacement	81.04	
	<i>For 300 LB Rating Gasket Set, Add</i>	1.41	
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	31.15	
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	35.87	
	<i>For Work In Restricted Working Space, Add</i>	23.10	
23 21 13 23-0609	EA 16", 150 LB, Rubber Flange Gasket Replacement	107.16	
	<i>For 300 LB Rating Gasket Set, Add</i>	1.57	
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	34.71	
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	39.96	
	<i>For Work In Restricted Working Space, Add</i>	30.80	
23 21 13 23-0610	EA 18", 150 LB, Rubber Flange Gasket Replacement	117.11	
	<i>For 300 LB Rating Gasket Set, Add</i>	1.64	
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	36.25	
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	41.74	
	<i>For Work In Restricted Working Space, Add</i>	33.73	
23 21 13 23-0611	EA 20", 150 LB, Rubber Flange Gasket Replacement	142.09	
	<i>For 300 LB Rating Gasket Set, Add</i>	1.76	
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	38.88	
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	44.77	
	<i>For Work In Restricted Working Space, Add</i>	41.12	

23 21 13 23-0612 Cut And Prepare For Welding Existing In-Place Black Steel Pipe (23 21 13 23-0612)

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0613	EA 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	9.04	
	<i>For Work In Restricted Working Space, Add</i>	2.71	
23 21 13 23-0614	EA 3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	9.76	
	<i>For Work In Restricted Working Space, Add</i>	2.93	
23 21 13 23-0615	EA 1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	10.98	
	<i>For Work In Restricted Working Space, Add</i>	3.29	
23 21 13 23-0616	EA 1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	11.52	
	<i>For Work In Restricted Working Space, Add</i>	3.46	
23 21 13 23-0617	EA 1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	12.20	
	<i>For Work In Restricted Working Space, Add</i>	3.66	
23 21 13 23-0618	EA 2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	13.10	
	<i>For Work In Restricted Working Space, Add</i>	3.93	
23 21 13 23-0619	EA 2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	14.01	
	<i>For Work In Restricted Working Space, Add</i>	4.20	
23 21 13 23-0620	EA 3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	15.36	
	<i>For Work In Restricted Working Space, Add</i>	4.61	
23 21 13 23-0621	EA 4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	16.71	
	<i>For Work In Restricted Working Space, Add</i>	5.01	
23 21 13 23-0622	EA 6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	18.07	
	<i>For Work In Restricted Working Space, Add</i>	5.42	
23 21 13 23-0623	EA 8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	19.43	
	<i>For Work In Restricted Working Space, Add</i>	5.83	
23 21 13 23-0624	EA 10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	21.24	
	<i>For Work In Restricted Working Space, Add</i>	6.37	
23 21 13 23-0625	EA 12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	23.04	
	<i>For Work In Restricted Working Space, Add</i>	6.91	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0626	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	24.85 7.46	
23 21	13 23-0627	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	26.65 8.00	
23 21	13 23-0628	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	28.01 8.40	
23 21	13 23-0629	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	29.37 8.81	
23 21	13 23-0630	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	31.18 9.35	
23 21	13 23-0631		Welded Plain End Electric Resistance Black Steel Pipe (23 21 13 23-0393) Note: ASTM A-135.		
23 21	13 23-0632	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	11.94 2.82	5.73
23 21	13 23-0633	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	13.31 2.82	6.25
23 21	13 23-0634	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	14.03 2.76	6.15
23 21	13 23-0635	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	17.55 3.52	7.82
23 21	13 23-0636	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	28.63 5.20	11.57
23 21	13 23-0637	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	34.28 5.50	12.21
23 21	13 23-0638	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	46.50 6.85	15.21
23 21	13 23-0639	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	56.46 8.25	18.34
23 21	13 23-0640	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	72.03 10.71	23.81
23 21	13 23-0641		Flanged Steel Fittings (23 21 13 23) See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0525 for welded neck flange ends.		
23 21	13 23-0642		Flanged Steel Fittings, Standard Weight (23 21 13 23-0641) Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0576 for gaskets.		
23 21	13 23-0643		Flanged Steel, 90 Degree Elbows (23 21 13 23-0642)		
23 21	13 23-0644	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	365.57 269.15 403.73	19.43
23 21	13 23-0645	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	407.78 300.26 450.38	21.64
23 21	13 23-0646	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	400.96 292.14 438.22	23.88
23 21	13 23-0647	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	513.30 377.35 566.03	27.75
23 21	13 23-0648	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	731.32 547.77 821.65	31.08
23 21	13 23-0649	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	767.54 570.76 856.14	36.08
23 21	13 23-0650	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	984.18 739.41 1,109.11	39.95
23 21	13 23-0651		Flanged Steel, Reducing 90 Degree Elbows (23 21 13 23-0642)		
23 21	13 23-0652	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	710.43 543.71 815.57	20.56
23 21	13 23-0653	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	737.43 562.65 843.97	22.77
23 21	13 23-0654	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	922.90 707.36 1,061.04	25.80
23 21	13 23-0655	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,150.25 887.25 1,330.87	27.47
23 21	13 23-0656	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,309.07 1,008.98 1,513.46	31.91
23 21	13 23-0657	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,837.25 1,424.19 2,136.29	38.03

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0658			Flanged Steel, 45 Degree Elbows <small>(23 21 13 23-0642)</small>		
23 21 13 23-0659	EA		2" Standard Weight, Flanged Steel, 45 Degree Elbow	487.29	19.43
			<i>For Galvanized Fittings, Add</i>	366.53	
			<i>For Extra Heavy Weight Fittings, Add</i>	549.79	
23 21 13 23-0660	EA		2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	505.84	21.64
			<i>For Galvanized Fittings, Add</i>	378.70	
			<i>For Extra Heavy Weight Fittings, Add</i>	568.06	
23 21 13 23-0661	EA		3" Standard Weight, Flanged Steel, 45 Degree Elbow	522.68	23.88
			<i>For Galvanized Fittings, Add</i>	389.52	
			<i>For Extra Heavy Weight Fittings, Add</i>	584.28	
23 21 13 23-0662	EA		4" Standard Weight, Flanged Steel, 45 Degree Elbow	655.31	27.75
			<i>For Galvanized Fittings, Add</i>	490.96	
			<i>For Extra Heavy Weight Fittings, Add</i>	736.44	
23 21 13 23-0663	EA		5" Standard Weight, Flanged Steel, 45 Degree Elbow	961.25	31.08
			<i>For Galvanized Fittings, Add</i>	731.71	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,097.57	
23 21 13 23-0664	EA		6" Standard Weight, Flanged Steel, 45 Degree Elbow	926.46	36.08
			<i>For Galvanized Fittings, Add</i>	697.90	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,046.84	
23 21 13 23-0665	EA		8" Standard Weight, Flanged Steel, 45 Degree Elbow	1,097.35	39.95
			<i>For Galvanized Fittings, Add</i>	829.94	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,244.92	
23 21 13 23-0666			Flanged Steel, Tees <small>(23 21 13 23-0642)</small>		
23 21 13 23-0667	EA		2" Standard Weight, Flanged Steel, Tee	461.28	29.13
			<i>For Galvanized Fittings, Add</i>	334.07	
			<i>For Extra Heavy Weight Fittings, Add</i>	501.11	
23 21 13 23-0668	EA		2-1/2" Standard Weight, Flanged Steel, Tee	604.90	32.46
			<i>For Galvanized Fittings, Add</i>	444.98	
			<i>For Extra Heavy Weight Fittings, Add</i>	667.46	
23 21 13 23-0669	EA		3" Standard Weight, Flanged Steel, Tee	540.59	35.78
			<i>For Galvanized Fittings, Add</i>	389.53	
			<i>For Extra Heavy Weight Fittings, Add</i>	584.29	
23 21 13 23-0670	EA		4" Standard Weight, Flanged Steel, Tee	789.37	41.65
			<i>For Galvanized Fittings, Add</i>	581.57	
			<i>For Extra Heavy Weight Fittings, Add</i>	872.35	
23 21 13 23-0671	EA		5" Standard Weight, Flanged Steel, Tee	1,199.88	46.65
			<i>For Galvanized Fittings, Add</i>	903.98	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,355.96	
23 21 13 23-0672	EA		6" Standard Weight, Flanged Steel, Tee	1,469.37	54.13
			<i>For Galvanized Fittings, Add</i>	1,110.59	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,665.89	
23 21 13 23-0673	EA		8" Standard Weight, Flanged Steel, Tee	1,621.90	62.70
			<i>For Galvanized Fittings, Add</i>	1,222.29	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,833.43	
23 21 13 23-0674			Flanged Steel, Reducing Tees <small>(23 21 13 23-0642)</small>		
23 21 13 23-0675	EA		2-1/2" Standard Weight, Flanged Steel, Reducing Tee	755.40	31.38
			<i>For Galvanized Fittings, Add</i>	566.70	
			<i>For Extra Heavy Weight Fittings, Add</i>	850.06	
23 21 13 23-0676	EA		3" Standard Weight, Flanged Steel, Reducing Tee	875.36	34.70
			<i>For Galvanized Fittings, Add</i>	658.67	
			<i>For Extra Heavy Weight Fittings, Add</i>	988.01	
23 21 13 23-0677	EA		4" Standard Weight, Flanged Steel, Reducing Tee	1,542.09	39.70
			<i>For Galvanized Fittings, Add</i>	1,186.07	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,779.11	
23 21 13 23-0678	EA		5" Standard Weight, Flanged Steel, Reducing Tee	1,663.17	44.98
			<i>For Galvanized Fittings, Add</i>	1,276.61	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,914.91	
23 21 13 23-0679	EA		6" Standard Weight, Flanged Steel, Reducing Tee	2,099.45	51.64
			<i>For Galvanized Fittings, Add</i>	1,617.64	
			<i>For Extra Heavy Weight Fittings, Add</i>	2,426.46	
23 21 13 23-0680	EA		8" Standard Weight, Flanged Steel, Reducing Tee	2,633.07	58.00
			<i>For Galvanized Fittings, Add</i>	2,036.88	
			<i>For Extra Heavy Weight Fittings, Add</i>	3,055.32	
23 21 13 23-0681			Flanged Steel, Concentric Reducers <small>(23 21 13 23-0642)</small>		
23 21 13 23-0682	EA		3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	727.28	22.77
			<i>For Galvanized Fittings, Add</i>	554.53	
			<i>For Extra Heavy Weight Fittings, Add</i>	831.79	
23 21 13 23-0683	EA		4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	826.54	25.80
			<i>For Galvanized Fittings, Add</i>	630.27	
			<i>For Extra Heavy Weight Fittings, Add</i>	945.41	
23 21 13 23-0684	EA		5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,242.76	29.42
			<i>For Galvanized Fittings, Add</i>	958.93	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,438.39	
23 21 13 23-0685	EA		6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,371.62	31.91
			<i>For Galvanized Fittings, Add</i>	1,059.02	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,588.52	
23 21 13 23-0686	EA		8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,605.64	38.03
			<i>For Galvanized Fittings, Add</i>	1,238.90	
			<i>For Extra Heavy Weight Fittings, Add</i>	1,858.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0687		Flanged Steel, Eccentric Reducers (23 21 13 23-0642)		
	23 21	13 23-0688	EA 4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer.....	970.24	25.80
			For Galvanized Fittings, Add	745.23	
			For Extra Heavy Weight Fittings, Add	1,117.85	
	23 21	13 23-0689	EA 5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer.....	1,334.06	29.42
			For Galvanized Fittings, Add	1,031.97	
			For Extra Heavy Weight Fittings, Add	1,547.95	
23 21	13 23-0690		Plain End Couplings And Fittings (23 21 13 23)		
			Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21	13 23-0691		Plain End Piping System Couplings (23 21 13 23-0690)		
23 21	13 23-0692		Plainlock Plain End Piping System Couplings (23 21 13 23-0691)		
			Note: Ductile iron body with gasket, bolts and nuts.		
	23 21	13 23-0693	EA 1" Plainlock Plain End Piping System Coupling.....	96.06	2.49
			For Galvanized Fittings, Add	18.46	
	23 21	13 23-0694	EA 1-1/2" Plainlock Plain End Piping System Coupling.....	97.51	3.45
			For Galvanized Fittings, Add	18.46	
	23 21	13 23-0695	EA 2" Plainlock Plain End Piping System Coupling.....	99.20	4.58
			For Galvanized Fittings, Add	18.46	
	23 21	13 23-0696	EA 2-1/2" Plainlock Plain End Piping System Coupling.....	100.64	5.53
			For Galvanized Fittings, Add	18.46	
	23 21	13 23-0697	EA 3" Plainlock Plain End Piping System Coupling.....	118.93	6.66
			For Galvanized Fittings, Add	21.79	
	23 21	13 23-0698	EA 4" Plainlock Plain End Piping System Coupling.....	164.26	8.87
			For Galvanized Fittings, Add	30.19	
	23 21	13 23-0699	EA 6" Plainlock Plain End Piping System Coupling.....	276.52	14.44
			For Galvanized Fittings, Add	50.98	
23 21	13 23-0700		Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0691)		
			Note: Ductile iron body with gasket, bolts and nuts.		
	23 21	13 23-0701	EA 1-1/2" Roust-A-Bout Plain End Piping System Coupling.....	115.44	3.45
			For Galvanized Fittings, Add	27.56	
	23 21	13 23-0702	EA 2" Roust-A-Bout Plain End Piping System Coupling.....	117.13	4.58
			For Galvanized Fittings, Add	27.56	
	23 21	13 23-0703	EA 2-1/2" Roust-A-Bout Plain End Piping System Coupling.....	118.57	5.57
			For Galvanized Fittings, Add	27.56	
	23 21	13 23-0704	EA 3" Roust-A-Bout Plain End Piping System Coupling.....	173.28	6.66
			For Galvanized Fittings, Add	40.83	
	23 21	13 23-0705	EA 3-1/2" Roust-A-Bout Plain End Piping System Coupling.....	200.65	7.78
			For Galvanized Fittings, Add	47.25	
	23 21	13 23-0706	EA 4" Roust-A-Bout Plain End Piping System Coupling.....	202.30	8.87
			For Galvanized Fittings, Add	47.25	
	23 21	13 23-0707	EA 5" Roust-A-Bout Plain End Piping System Coupling.....	286.65	11.11
			For Galvanized Fittings, Add	67.50	
	23 21	13 23-0708	EA 6" Roust-A-Bout Plain End Piping System Coupling.....	351.40	14.44
			For Galvanized Fittings, Add	82.44	
	23 21	13 23-0709	EA 8" Roust-A-Bout Plain End Piping System Coupling.....	610.55	17.22
			For Galvanized Fittings, Add	146.18	
	23 21	13 23-0710	EA 10" Roust-A-Bout Plain End Piping System Coupling.....	791.32	20.38
			For Galvanized Fittings, Add	190.18	
	23 21	13 23-0711	EA 12" Roust-A-Bout Plain End Piping System Coupling.....	990.75	24.13
			For Galvanized Fittings, Add	238.64	
	23 21	13 23-0712	EA 14" Roust-A-Bout Plain End Piping System Coupling.....	1,395.47	26.68
			For Galvanized Fittings, Add	338.87	
	23 21	13 23-0713	EA 16" Roust-A-Bout Plain End Piping System Coupling.....	1,901.43	30.17
			For Galvanized Fittings, Add	464.05	
23 21	13 23-0714		Plain End Piping System Fittings (23 21 13 23-0690)		
			Note: Cast ductile iron bodies.		
23 21	13 23-0715		Plain End Piping System, 90 Degree Elbows (23 21 13 23-0714)		
	23 21	13 23-0716	EA 1" Plain End Piping System, 90 Degree Elbow.....	93.94	4.54
			For Galvanized Fittings, Add	17.43	
	23 21	13 23-0717	EA 1-1/2" Plain End Piping System, 90 Degree Elbow.....	97.44	6.87
			For Galvanized Fittings, Add	17.43	
	23 21	13 23-0718	EA 2" Plain End Piping System, 90 Degree Elbow.....	100.74	9.07
			For Galvanized Fittings, Add	17.43	
	23 21	13 23-0719	EA 2-1/2" Plain End Piping System, 90 Degree Elbow.....	103.71	11.06
			For Galvanized Fittings, Add	17.43	
	23 21	13 23-0720	EA 3" Plain End Piping System, 90 Degree Elbow.....	124.75	13.39
			For Galvanized Fittings, Add	20.93	
	23 21	13 23-0721	EA 4" Plain End Piping System, 90 Degree Elbow.....	179.11	17.64
			For Galvanized Fittings, Add	30.53	
	23 21	13 23-0722	EA 5" Plain End Piping System, 90 Degree Elbow.....	561.49	22.10
			For Galvanized Fittings, Add	105.67	
	23 21	13 23-0723	EA 6" Plain End Piping System, 90 Degree Elbow.....	463.47	28.92
			For Galvanized Fittings, Add	84.03	
	23 21	13 23-0724	EA 8" Plain End Piping System, 90 Degree Elbow.....	938.85	34.33
			For Galvanized Fittings, Add	177.47	
	23 21	13 23-0725	EA 10" Plain End Piping System, 90 Degree Elbow.....	1,175.40	40.11
			For Galvanized Fittings, Add	223.05	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0726	EA	12" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,492.23 284.00	48.19
23 21	13 23-0727		Plain End Piping System, 45 Degree Elbows (23 21 13 23-0714)		
23 21	13 23-0728	EA	1" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	93.94 17.43	4.54
23 21	13 23-0729	EA	1-1/2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	97.44 17.43	6.87
23 21	13 23-0730	EA	2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	100.74 17.43	9.07
23 21	13 23-0731	EA	2-1/2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	103.71 17.43	11.06
23 21	13 23-0732	EA	3" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	124.75 20.93	13.39
23 21	13 23-0733	EA	4" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	179.11 30.53	17.64
23 21	13 23-0734	EA	5" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	561.49 105.67	22.10
23 21	13 23-0735	EA	6" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	465.09 84.35	28.92
23 21	13 23-0736	EA	8" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	539.07 97.51	34.33
23 21	13 23-0737	EA	10" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	740.57 136.09	40.11
23 21	13 23-0738	EA	12" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	951.28 175.81	48.19
23 21	13 23-0739		Plain End Piping System, Tees (23 21 13 23-0714)		
23 21	13 23-0740	EA	1" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	127.65 23.47	6.87
23 21	13 23-0741	EA	1-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	132.81 23.47	10.32
23 21	13 23-0742	EA	2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	137.36 23.47	13.35
23 21	13 23-0743	EA	2-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	141.89 23.47	16.35
23 21	13 23-0744	EA	3" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	199.03 33.78	20.10
23 21	13 23-0745	EA	4" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	273.83 46.97	26.01
23 21	13 23-0746	EA	5" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	566.91 103.18	33.99
23 21	13 23-0747	EA	6" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	700.56 127.35	42.57
23 21	13 23-0748	EA	8" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	959.90 176.45	51.76
23 21	13 23-0749	EA	10" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,437.75 269.46	60.33
23 21	13 23-0750	EA	12" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,930.96 364.52	72.28
23 21	13 23-0751		Plain End Piping System, Reducing Tees (23 21 13 23-0714)		
23 21	13 23-0752	EA	1-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	248.54 46.39	11.06
23 21	13 23-0753	EA	2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	251.96 46.39	13.35
23 21	13 23-0754	EA	2-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	256.49 46.39	16.35
23 21	13 23-0755	EA	3" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	262.10 46.39	20.10
23 21	13 23-0756	EA	4" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	381.41 68.49	26.01
23 21	13 23-0757	EA	6" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	645.32 116.30	42.57
23 21	13 23-0758	EA	8" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	843.43 153.16	51.76
23 21	13 23-0759	EA	10" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,271.06 236.12	60.33
23 21	13 23-0760	EA	12" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,883.26 354.98	72.28
23 21	13 23-0761		Plain End Piping System, Wyes (23 21 13 23-0714)		
23 21	13 23-0762	EA	2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	363.74 68.75	13.35
23 21	13 23-0763	EA	2-1/2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	368.27 68.75	16.35
23 21	13 23-0764	EA	3" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	416.53 77.28	20.10
23 21	13 23-0765	EA	4" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	612.48 114.70	26.01
23 21	13 23-0766	EA	5" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	748.87 139.58	33.99



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0767	EA	6" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,024.83 192.20	42.57
23 21	13 23-0768	EA	8" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,322.20 248.91	51.76
23 21	13 23-0769	EA	10" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,925.73 367.06	60.33
23 21	13 23-0770	EA	12" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	2,937.60 565.85	72.28
23 21 13 23-0771 Plain End Piping System, Laterals (23 21 13 23-0714)					
23 21	13 23-0772	EA	2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	388.05 73.61	13.35
23 21	13 23-0773	EA	2-1/2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	392.58 73.61	16.35
23 21	13 23-0774	EA	3" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	440.67 82.10	20.10
23 21	13 23-0775	EA	4" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	658.59 123.92	26.01
23 21	13 23-0776	EA	5" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	858.71 161.54	33.99
23 21	13 23-0777	EA	6" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,095.50 206.34	42.57
23 21	13 23-0778	EA	8" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,581.78 300.83	51.76
23 21	13 23-0779	EA	10" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	2,213.74 424.66	60.33
23 21	13 23-0780	EA	12" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	2,980.41 574.41	72.28
23 21 13 23-0781 Plain End Piping System, Crosses (23 21 13 23-0714)					
23 21	13 23-0782	EA	2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	429.60 49.95	20.01
23 21	13 23-0783	EA	2-1/2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	436.38 49.95	24.51
23 21	13 23-0784	EA	3" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	508.73 57.94	30.17
23 21	13 23-0785	EA	4" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	695.18 79.59	38.99
23 21	13 23-0786	EA	5" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	980.89 113.05	51.01
23 21	13 23-0787	EA	6" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,289.62 149.27	63.67
23 21	13 23-0788	EA	8" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,647.59 191.50	77.10
23 21	13 23-0789	EA	10" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	2,370.41 279.41	90.13
23 21	13 23-0790	EA	12" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	3,385.67 402.89	108.44
23 21 13 23-0791 Plain End Piping System, Adapter Nipples (23 21 13 23-0714)					
Note: Plain to threaded, plain to beveled or plain to grooved.					
23 21	13 23-0792	EA	1" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	16.97 3.31	2.49
23 21	13 23-0793	EA	1-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	18.79 3.40	3.45
23 21	13 23-0794	EA	2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	20.44 3.40	4.58
23 21	13 23-0795	EA	2-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	24.24 3.98	5.53
23 21	13 23-0796	EA	3" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	29.66 4.92	6.66
23 21	13 23-0797	EA	4" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	46.21 8.23	8.87
23 21	13 23-0798	EA	6" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	105.62 22.24	11.11
23 21 13 23-0799 Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0714)					
23 21	13 23-0800	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	53.40 11.11	5.95
23 21	13 23-0801	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	55.07 11.11	7.07
23 21	13 23-0802	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	56.75 11.11	8.20
23 21	13 23-0803	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	56.33 11.11	7.94
23 21	13 23-0804	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	57.98 11.11	9.03
23 21	13 23-0805	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	59.64 11.11	10.11
23 21	13 23-0806	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	67.84 13.53	9.16
23 21	13 23-0807	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	69.32 13.53	10.11

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0808	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	58.49	11.24
			<i>For Galvanized Fittings, Add</i>	10.41	
23 21	13 23-0809	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	61.71	13.39
			<i>For Galvanized Fittings, Add</i>	10.41	
23 21	13 23-0810	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	71.41	14.44
			<i>For Galvanized Fittings, Add</i>	12.45	
23 21	13 23-0811	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	93.17	11.36
			<i>For Galvanized Fittings, Add</i>	19.03	
23 21	13 23-0812	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	94.63	12.36
			<i>For Galvanized Fittings, Add</i>	19.03	
23 21	13 23-0813	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	77.84	13.49
			<i>For Galvanized Fittings, Add</i>	14.41	
23 21	13 23-0814	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	79.27	14.44
			<i>For Galvanized Fittings, Add</i>	14.41	
23 21	13 23-0815	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	80.96	15.56
			<i>For Galvanized Fittings, Add</i>	14.41	
23 21	13 23-0816	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	82.58	16.65
			<i>For Galvanized Fittings, Add</i>	14.41	
23 21	13 23-0817	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	235.51	15.68
			<i>For Galvanized Fittings, Add</i>	52.99	
23 21	13 23-0818	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	190.22	17.73
			<i>For Galvanized Fittings, Add</i>	40.90	
23 21	13 23-0819	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	164.62	20.01
			<i>For Galvanized Fittings, Add</i>	33.66	
23 21	13 23-0820	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	429.26	16.94
			<i>For Galvanized Fittings, Add</i>	100.97	
23 21	13 23-0821	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	430.70	17.89
			<i>For Galvanized Fittings, Add</i>	100.97	
23 21	13 23-0822	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	327.23	19.02
			<i>For Galvanized Fittings, Add</i>	74.68	
23 21	13 23-0823	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	328.71	20.01
			<i>For Galvanized Fittings, Add</i>	74.68	
23 21	13 23-0824	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	225.22	21.09
			<i>For Galvanized Fittings, Add</i>	48.40	
23 21	13 23-0825	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	226.73	22.10
			<i>For Galvanized Fittings, Add</i>	48.40	
23 21	13 23-0826	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	181.74	23.30
			<i>For Galvanized Fittings, Add</i>	36.71	
23 21	13 23-0827	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	206.60	25.51
			<i>For Galvanized Fittings, Add</i>	42.09	
23 21	13 23-0828	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	269.22	23.84
			<i>For Galvanized Fittings, Add</i>	58.37	
23 21	13 23-0829	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	272.59	26.09
			<i>For Galvanized Fittings, Add</i>	58.37	
23 21	13 23-0830	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	308.08	28.34
			<i>For Galvanized Fittings, Add</i>	66.41	
23 21	13 23-0831	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple.....	345.24	31.66
			<i>For Galvanized Fittings, Add</i>	74.44	
23 21	13 23-0832		Plain End Piping System, Bull Plugs <small>(23 21 13 23-0714)</small>		
23 21	13 23-0833	EA	1" Plain End Piping System, Bull Plug.....	193.22	2.49
			<i>For Galvanized Fittings, Add</i>	56.84	
23 21	13 23-0834	EA	1-1/2" Plain End Piping System, Bull Plug.....	194.67	3.45
			<i>For Galvanized Fittings, Add</i>	56.84	
23 21	13 23-0835	EA	2" Plain End Piping System, Bull Plug.....	196.32	4.58
			<i>For Galvanized Fittings, Add</i>	56.84	
23 21	13 23-0836	EA	2-1/2" Plain End Piping System, Bull Plug.....	197.79	5.53
			<i>For Galvanized Fittings, Add</i>	56.84	
23 21	13 23-0837	EA	3" Plain End Piping System, Bull Plug.....	287.74	6.66
			<i>For Galvanized Fittings, Add</i>	83.33	
23 21	13 23-0838	EA	4" Plain End Piping System, Bull Plug.....	372.06	8.87
			<i>For Galvanized Fittings, Add</i>	107.63	
23 21	13 23-0839	EA	5" Plain End Piping System, Bull Plug.....	650.65	11.11
			<i>For Galvanized Fittings, Add</i>	190.20	
23 21	13 23-0840	EA	6" Plain End Piping System, Bull Plug.....	867.23	14.44
			<i>For Galvanized Fittings, Add</i>	253.68	
23 21	13 23-0841	EA	8" Plain End Piping System, Bull Plug.....	1,615.56	17.18
			<i>For Galvanized Fittings, Add</i>	476.93	
23 21	13 23-0842	EA	10" Plain End Piping System, Bull Plug.....	2,916.09	20.10
			<i>For Galvanized Fittings, Add</i>	865.78	
23 21	13 23-0843	EA	12" Plain End Piping System, Bull Plug.....	4,474.25	24.13
			<i>For Galvanized Fittings, Add</i>	1,331.42	
23 21	13 23-0844		Carbon Steel Piping Systems <small>(23 21 13 23)</small>		
23 21	13 23-0845		Class 3,000 LB Carbon Steel Socket Weld Fittings <small>(23 21 13 23-0844)</small>		
			Note: ASTM A105		
23 21	13 23-0846		90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0845)</small>		
23 21	13 23-0847	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	17.79	8.24
23 21	13 23-0848	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	20.04	9.20
23 21	13 23-0849	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	26.91	10.27
23 21	13 23-0850	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	38.89	11.65
23 21	13 23-0851	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	44.63	13.11
23 21	13 23-0852	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	61.64	16.69
23 21	13 23-0853	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	129.97	24.67



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0854	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	187.46	32.46
23 21	13 23-0855	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	343.04	32.23
23 21	13 23-0856		45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)		
23 21	13 23-0857	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	20.19	8.24
23 21	13 23-0858	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	23.68	9.20
23 21	13 23-0859	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	28.03	10.27
23 21	13 23-0860	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	40.31	11.65
23 21	13 23-0861	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	48.03	13.11
23 21	13 23-0862	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	61.57	16.69
23 21	13 23-0863	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	150.75	24.67
23 21	13 23-0864	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	205.04	32.46
23 21	13 23-0865	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	335.43	32.23
23 21	13 23-0866		Straight Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)		
23 21	13 23-0867	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	21.61	10.27
23 21	13 23-0868	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	26.74	11.86
23 21	13 23-0869	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	36.86	14.02
23 21	13 23-0870	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	50.83	16.69
23 21	13 23-0871	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	61.87	19.89
23 21	13 23-0872	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	83.50	24.67
23 21	13 23-0873	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	160.64	32.46
23 21	13 23-0874	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	225.92	38.53
23 21	13 23-0875	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	456.02	40.70
23 21	13 23-0876		Reducing Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)		
23 21	13 23-0877	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	22.27	10.27
23 21	13 23-0878	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	27.42	11.86
23 21	13 23-0879	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	37.67	14.02
23 21	13 23-0880	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	52.76	16.69
23 21	13 23-0881	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	64.14	19.89
23 21	13 23-0882	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	86.98	24.67
23 21	13 23-0883	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	168.90	32.46
23 21	13 23-0884	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	237.81	38.53
23 21	13 23-0885	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	413.70	40.70
23 21	13 23-0886		Straight Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)		
23 21	13 23-0887	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	14.82	8.24
23 21	13 23-0888	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	16.75	9.20
23 21	13 23-0889	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	19.94	10.27
23 21	13 23-0890	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	23.16	11.65
23 21	13 23-0891	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	27.36	13.11
23 21	13 23-0892	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	36.21	16.69
23 21	13 23-0893	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	65.21	24.67
23 21	13 23-0894	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	87.59	32.46
23 21	13 23-0895	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	125.93	32.23
23 21	13 23-0896		Reducing Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)		
23 21	13 23-0897	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	16.17	8.24
23 21	13 23-0898	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	18.23	9.20
23 21	13 23-0899	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	22.29	10.27
23 21	13 23-0900	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	26.01	11.65
23 21	13 23-0901	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	31.58	13.11
23 21	13 23-0902	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	40.73	16.69
23 21	13 23-0903	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	75.15	24.67
23 21	13 23-0904	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	107.58	32.46
23 21	13 23-0905	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	167.49	32.23
23 21	13 23-0906		Caps, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)		
23 21	13 23-0907	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	9.72	3.87
23 21	13 23-0908	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	11.32	4.12
23 21	13 23-0909	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	13.36	4.74
23 21	13 23-0910	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	15.86	5.16
23 21	13 23-0911	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	18.86	5.16
23 21	13 23-0912	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	24.48	6.62
23 21	13 23-0913	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	46.58	8.24
23 21	13 23-0914	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	68.87	9.95
23 21	13 23-0915	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	100.69	11.03
23 21	13 23-0916		Black Cast Iron Square Head Plug (23 21 13 23-0845)		
23 21	13 23-0917	EA	1/2" Square Head Plug, Black, Cast Iron.....	5.75	3.28
23 21	13 23-0918	EA	3/4" Square Head Plug, Black, Cast Iron.....	7.03	3.28
23 21	13 23-0919	EA	1" Square Head Plug, Black, Cast Iron.....	9.83	4.99
23 21	13 23-0920	EA	1-1/4" Square Head Plug, Black, Cast Iron.....	10.09	4.99
23 21	13 23-0921	EA	1-1/2" Square Head Plug, Black, Cast Iron.....	11.15	4.99
23 21	13 23-0922	EA	2" Square Head Plug, Black, Cast Iron.....	14.72	6.62

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21	13 23-0923	EA	2-1/2" Square Head Plug, Black, Cast Iron.....	19.27	8.24
23 21	13 23-0924	EA	3" Square Head Plug, Black, Cast Iron.....	26.05	9.95
23 21	13 23-0925	EA	4" Square Head Plug, Black, Cast Iron.....	29.64	11.03
23 21	13 23-0926		Unions, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)		
23 21	13 23-0927	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	29.38	10.27
23 21	13 23-0928	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	32.12	11.86
23 21	13 23-0929	EA	1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	41.97	14.02
23 21	13 23-0930	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	53.91	16.69
23 21	13 23-0931	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	65.13	19.89
23 21	13 23-0932	EA	2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	81.60	24.67
23 21	13 23-0933	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	154.43	26.80
23 21	13 23-0934	EA	3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	210.57	32.46
23 21	13 23-0935		Class 6,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0844)		
			Note: ASTM A105		
23 21	13 23-0936		90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21	13 23-0937	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	20.69	8.24
23 21	13 23-0938	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	23.35	9.20
23 21	13 23-0939	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	33.02	10.27
23 21	13 23-0940	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	50.28	11.65
23 21	13 23-0941	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	57.88	13.11
23 21	13 23-0942	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	81.10	16.69
23 21	13 23-0943	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	179.36	24.67
23 21	13 23-0944	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	261.17	32.46
23 21	13 23-0945	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	499.57	32.23
23 21	13 23-0946		45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21	13 23-0947	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	24.65	8.24
23 21	13 23-0948	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	29.27	9.20
23 21	13 23-0949	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	35.17	10.27
23 21	13 23-0950	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	53.25	11.65
23 21	13 23-0951	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	64.08	13.11
23 21	13 23-0952	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	82.28	16.69
23 21	13 23-0953	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	215.15	24.67
23 21	13 23-0954	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	293.57	32.46
23 21	13 23-0955	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	498.01	32.23
23 21	13 23-0956		Straight Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21	13 23-0957	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	27.36	10.27
23 21	13 23-0958	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	35.03	11.86
23 21	13 23-0959	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	51.54	14.02
23 21	13 23-0960	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	74.76	16.69
23 21	13 23-0961	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	91.55	19.89
23 21	13 23-0962	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	126.58	24.67
23 21	13 23-0963	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	264.35	32.46
23 21	13 23-0964	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	381.64	38.53
23 21	13 23-0965	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	821.86	40.70
23 21	13 23-0966		Reducing Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21	13 23-0967	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	22.27	10.27
23 21	13 23-0968	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	27.42	11.86
23 21	13 23-0969	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	37.67	14.02
23 21	13 23-0970	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	52.76	16.69
23 21	13 23-0971	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	64.14	19.89
23 21	13 23-0972	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	86.98	24.67
23 21	13 23-0973	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	168.90	32.46
23 21	13 23-0974	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	237.81	38.53
23 21	13 23-0975	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	413.70	40.70
23 21	13 23-0976		Straight Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21	13 23-0977	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	16.03	8.24
23 21	13 23-0978	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	18.18	9.20
23 21	13 23-0979	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	22.13	10.27
23 21	13 23-0980	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	25.92	11.65
23 21	13 23-0981	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	31.07	13.11
23 21	13 23-0982	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	41.64	16.69
23 21	13 23-0983	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	78.85	24.67
23 21	13 23-0984	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	106.40	32.46
23 21	13 23-0985	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	163.48	32.23
23 21	13 23-0986		Reducing Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21	13 23-0987	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	18.01	8.24
23 21	13 23-0988	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	20.35	9.20
23 21	13 23-0989	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	25.60	10.27
23 21	13 23-0990	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	30.11	11.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0991 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	37.29	13.11
23 21 13 23-0992 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	48.28	16.69
23 21 13 23-0993 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	93.46	24.67
23 21 13 23-0994 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	135.86	32.46
23 21 13 23-0995 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	224.71	32.23
23 21 13 23-0996 Caps, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0995)		
23 21 13 23-0997 EA 1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	12.37	3.87
23 21 13 23-0998 EA 3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	14.79	4.12
23 21 13 23-0999 EA 1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	17.56	4.74
23 21 13 23-1000 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	21.34	5.16
23 21 13 23-1001 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	26.33	5.16
23 21 13 23-1002 EA 2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	34.24	6.62
23 21 13 23-1003 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	69.56	8.24
23 21 13 23-1004 EA 3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	105.08	9.95
23 21 13 23-1005 EA 4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	157.15	11.03
23 21 13 23-1006 Black Cast Iron Square Head Plug (23 21 13 23-0995)		
23 21 13 23-1007 EA 1/2" Square Head Plug, Black Cast Iron.....	5.75	3.28
23 21 13 23-1008 EA 3/4" Square Head Plug, Black Cast Iron.....	7.04	3.28
23 21 13 23-1009 EA 1" Square Head Plug, Black Cast Iron.....	9.85	4.99
23 21 13 23-1010 EA 1-1/4" Square Head Plug, Black Cast Iron.....	10.10	4.99
23 21 13 23-1011 EA 1-1/2" Square Head Plug, Black Cast Iron.....	11.17	4.99
23 21 13 23-1012 EA 2" Square Head Plug, Black Cast Iron.....	14.75	6.62
23 21 13 23-1013 EA 2-1/2" Square Head Plug, Black Cast Iron.....	19.30	8.24
23 21 13 23-1014 EA 3" Square Head Plug, Black Cast Iron.....	26.11	9.95
23 21 13 23-1015 EA 4" Square Head Plug, Black Cast Iron.....	29.70	11.03
23 21 13 23-1016 Unions, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0995)		
23 21 13 23-1017 EA 1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	37.93	10.27
23 21 13 23-1018 EA 3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	40.89	11.86
23 21 13 23-1019 EA 1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	54.78	14.02
23 21 13 23-1020 EA 1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	71.60	16.69
23 21 13 23-1021 EA 1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	86.71	19.89
23 21 13 23-1022 EA 2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	108.88	24.67
23 21 13 23-1023 EA 2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	224.27	26.80
23 21 13 23-1024 EA 3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	309.57	32.46
23 21 13 23-1025 Carbon Steel Piping System (23 21 13 23-0844)		
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1026 Schedule 40 Carbon Steel Piping (23 21 13 23-1025)		
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1027 LF 1/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	3.78	1.54
For Schedule 80, Add	0.53	
23 21 13 23-1028 LF 1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	3.87	1.66
For Schedule 80, Add	0.49	
For Schedule 160, Add	2.03	
23 21 13 23-1029 LF 3/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	4.33	1.79
For Schedule 80, Add	0.59	
For Schedule 160, Add	2.48	
23 21 13 23-1030 LF 1" ASTM A106 Carbon Steel Pipe, Schedule 40.....	4.61	1.96
For Schedule 80, Add	0.61	
For Schedule 160, Add	2.55	
23 21 13 23-1031 LF 1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	6.12	2.41
For Schedule 80, Add	0.90	
For Schedule 160, Add	3.75	
23 21 13 23-1032 LF 2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	7.68	2.91
For Schedule 80, Add	1.19	
For Schedule 160, Add	4.95	
23 21 13 23-1033 90 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1034 EA 1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	12.93	6.32
23 21 13 23-1035 EA 1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	15.81	7.41
23 21 13 23-1036 EA 3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	17.66	8.28
23 21 13 23-1037 EA 1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	20.48	9.24
23 21 13 23-1038 EA 1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	34.77	11.81
23 21 13 23-1039 EA 2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	44.02	15.03
23 21 13 23-1040 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	14.03	6.32
23 21 13 23-1041 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	16.22	7.41
23 21 13 23-1042 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	19.02	8.28
23 21 13 23-1043 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	23.43	9.24
23 21 13 23-1044 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	41.81	11.81
23 21 13 23-1045 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	51.80	15.03
23 21 13 23-1046 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	20.06	7.41
23 21 13 23-1047 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	23.85	8.28
23 21 13 23-1048 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	28.50	9.24
23 21 13 23-1049 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	56.07	11.81
23 21 13 23-1050 EA 2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	89.60	15.03

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1051			45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1052	EA		1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	15.18	6.32
23 21 13 23-1053	EA		1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	16.70	7.41
23 21 13 23-1054	EA		3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	18.81	8.28
23 21 13 23-1055	EA		1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	21.35	9.24
23 21 13 23-1056	EA		1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	31.96	11.81
23 21 13 23-1057	EA		2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	48.36	15.03
23 21 13 23-1058	EA		1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	15.35	6.32
23 21 13 23-1059	EA		1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	17.70	7.41
23 21 13 23-1060	EA		3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	19.96	8.28
23 21 13 23-1061	EA		1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	24.36	9.24
23 21 13 23-1062	EA		1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	40.72	11.81
23 21 13 23-1063	EA		2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	54.23	15.03
23 21 13 23-1064	EA		1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	22.71	7.41
23 21 13 23-1065	EA		3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	28.62	8.28
23 21 13 23-1066	EA		1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	30.29	9.24
23 21 13 23-1067	EA		1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	66.23	11.81
23 21 13 23-1068	EA		2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	90.27	15.03
23 21 13 23-1069			Straight Tees, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1070	EA		1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	17.33	8.78
23 21 13 23-1071	EA		1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	19.99	9.24
23 21 13 23-1072	EA		3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	24.35	10.70
23 21 13 23-1073	EA		1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	30.33	12.60
23 21 13 23-1074	EA		1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	50.85	17.89
23 21 13 23-1075	EA		2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	63.04	22.22
23 21 13 23-1076	EA		1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	18.26	8.78
23 21 13 23-1077	EA		1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	20.60	9.24
23 21 13 23-1078	EA		3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	26.39	10.70
23 21 13 23-1079	EA		1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	32.08	12.60
23 21 13 23-1080	EA		1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	56.90	17.89
23 21 13 23-1081	EA		2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	73.04	22.22
23 21 13 23-1082	EA		1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	25.20	9.24
23 21 13 23-1083	EA		3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	31.34	10.70
23 21 13 23-1084	EA		1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	44.30	12.60
23 21 13 23-1085	EA		1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	70.78	17.89
23 21 13 23-1086	EA		2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	117.30	22.22
23 21 13 23-1087			Crosses, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1088	EA		1/4" Cross, 2,000 LB, Screwed Carbon Steel	27.34	11.11
23 21 13 23-1089	EA		1/2" Cross, 2,000 LB, Screwed Carbon Steel	32.90	12.48
23 21 13 23-1090	EA		3/4" Cross, 2,000 LB, Screwed Carbon Steel	35.48	13.31
23 21 13 23-1091	EA		1" Cross, 2,000 LB, Screwed Carbon Steel	44.28	16.06
23 21 13 23-1092	EA		1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	82.34	22.47
23 21 13 23-1093	EA		2" Cross, 2,000 LB, Screwed Carbon Steel	107.53	27.75
23 21 13 23-1094	EA		1/2" Cross, 3,000 LB, Screwed Carbon Steel	34.05	12.48
23 21 13 23-1095	EA		3/4" Cross, 3,000 LB, Screwed Carbon Steel	42.09	13.31
23 21 13 23-1096	EA		1" Cross, 3,000 LB, Screwed Carbon Steel	50.06	16.06
23 21 13 23-1097	EA		1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	90.68	22.47
23 21 13 23-1098	EA		2" Cross, 3,000 LB, Screwed Carbon Steel	122.76	27.75
23 21 13 23-1099	EA		1/2" Cross, 6,000 LB, Screwed Carbon Steel	55.58	12.48
23 21 13 23-1100	EA		3/4" Cross, 6,000 LB, Screwed Carbon Steel	100.86	13.31
23 21 13 23-1101	EA		1" Cross, 6,000 LB, Screwed Carbon Steel	140.61	16.06
23 21 13 23-1102	EA		1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	225.32	22.47
23 21 13 23-1103	EA		2" Cross, 6,000 LB, Screwed Carbon Steel	243.83	27.75
23 21 13 23-1104			Straight Couplings, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1105	EA		1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	11.48	6.32
23 21 13 23-1106	EA		1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	13.00	7.41
23 21 13 23-1107	EA		3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	15.05	8.28
23 21 13 23-1108	EA		1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	17.83	9.24
23 21 13 23-1109	EA		1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	27.66	11.81
23 21 13 23-1110	EA		2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	35.09	15.03
23 21 13 23-1111	EA		1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	14.24	6.32
23 21 13 23-1112	EA		1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	14.75	7.41
23 21 13 23-1113	EA		3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	16.39	8.28
23 21 13 23-1114	EA		1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	19.61	9.24
23 21 13 23-1115	EA		1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	30.39	11.81
23 21 13 23-1116	EA		2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	45.07	15.03
23 21 13 23-1117			Reducing Couplings, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1118	EA		1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	11.86	6.74
23 21 13 23-1119	EA		1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	13.90	7.41
23 21 13 23-1120	EA		3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	16.43	8.28
23 21 13 23-1121	EA		1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	19.74	9.24
23 21 13 23-1122	EA		1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	28.16	11.81
23 21 13 23-1123	EA		2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	37.78	15.03
23 21 13 23-1124	EA		1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	49.24	7.41
23 21 13 23-1125	EA		3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	50.57	8.28



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1126	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	59.54	9.24
23 21	13 23-1127	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	87.02	11.81
23 21	13 23-1128	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	126.87	15.03
23 21 13 23-1129 Caps, Screwed Carbon Steel (23 21 13 23-1025)					
23 21	13 23-1130	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel	3.93	1.54
23 21	13 23-1131	EA	1/2" Cap, 3,000 LB, Screwed Carbon Steel	4.36	1.74
23 21	13 23-1132	EA	3/4" Cap, 3,000 LB, Screwed Carbon Steel	5.43	2.00
23 21	13 23-1133	EA	1" Cap, 3,000 LB, Screwed Carbon Steel	7.24	2.33
23 21	13 23-1134	EA	1-1/2" Cap, 3,000 LB, Screwed Carbon Steel	10.20	2.79
23 21	13 23-1135	EA	2" Cap, 3,000 LB, Screwed Carbon Steel	14.59	3.45
23 21	13 23-1136	EA	1/4" Cap, 6,000 LB, Screwed Carbon Steel	7.25	1.54
23 21	13 23-1137	EA	1/2" Cap, 6,000 LB, Screwed Carbon Steel	6.48	1.74
23 21	13 23-1138	EA	3/4" Cap, 6,000 LB, Screwed Carbon Steel	8.89	2.00
23 21	13 23-1139	EA	1" Cap, 6,000 LB, Screwed Carbon Steel	9.76	2.33
23 21	13 23-1140	EA	1-1/2" Cap, 6,000 LB, Screwed Carbon Steel	20.49	2.79
23 21	13 23-1141	EA	2" Cap, 6,000 LB, Screwed Carbon Steel	24.61	3.45
23 21 13 23-1142 Nipples, Screwed Carbon Steel (23 21 13 23-1025)					
23 21	13 23-1143	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	7.12	3.79
23 21	13 23-1144	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	7.21	3.95
23 21	13 23-1145	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	7.12	3.95
23 21	13 23-1146	EA	1" Nipple, 2" Long, Screwed Carbon Steel	8.08	4.29
23 21	13 23-1147	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	9.47	4.62
23 21	13 23-1148	EA	2" Nipple, 2" Long, Screwed Carbon Steel	10.86	5.95
23 21	13 23-1149	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	7.75	3.95
23 21	13 23-1150	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	7.71	3.95
23 21	13 23-1151	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	7.69	3.95
23 21	13 23-1152	EA	1" Nipple, 4" Long, Screwed Carbon Steel	8.84	4.29
23 21	13 23-1153	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	10.83	4.62
23 21	13 23-1154	EA	2" Nipple, 4" Long, Screwed Carbon Steel	12.85	5.95
23 21	13 23-1155	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	9.26	3.79
23 21	13 23-1156	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	8.51	3.95
23 21	13 23-1157	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	8.58	3.95
23 21	13 23-1158	EA	1" Nipple, 6" Long, Screwed Carbon Steel	9.94	4.29
23 21	13 23-1159	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	12.70	4.62
23 21	13 23-1160	EA	2" Nipple, 6" Long, Screwed Carbon Steel	14.50	5.95
23 21 13 23-1161 Unions, Screwed Carbon Steel (23 21 13 23-1025)					
23 21	13 23-1162	EA	1/4" Union, 3,000 LB, Screwed Carbon Steel	14.72	9.20
23 21	13 23-1163	EA	1/2" Union, 3,000 LB, Screwed Carbon Steel	14.95	9.24
23 21	13 23-1164	EA	3/4" Union, 3,000 LB, Screwed Carbon Steel	17.12	10.70
23 21	13 23-1165	EA	1" Union, 3,000 LB, Screwed Carbon Steel	20.54	12.60
23 21	13 23-1166	EA	1-1/2" Union, 3,000 LB, Screwed Carbon Steel	29.58	17.89
23 21	13 23-1167	EA	2" Union, 3,000 LB, Screwed Carbon Steel	36.74	22.22
23 21	13 23-1168	EA	1/4" Union, 6,000 LB, Screwed Carbon Steel	29.37	9.20
23 21	13 23-1169	EA	1/2" Union, 6,000 LB, Screwed Carbon Steel	32.67	9.24
23 21	13 23-1170	EA	3/4" Union, 6,000 LB, Screwed Carbon Steel	38.58	10.70
23 21	13 23-1171	EA	1" Union, 6,000 LB, Screwed Carbon Steel	46.99	12.60
23 21	13 23-1172	EA	1-1/2" Union, 6,000 LB, Screwed Carbon Steel	83.65	17.89
23 21	13 23-1173	EA	2" Union, 6,000 LB, Screwed Carbon Steel	103.29	22.22
23 21 13 23-1174 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1025)					
23 21	13 23-1175	EA	1/2" Flange, 150 LB, Screwed Carbon Steel	33.58	17.18
23 21	13 23-1176	EA	3/4" Flange, 150 LB, Screwed Carbon Steel	35.07	18.01
23 21	13 23-1177	EA	1" Flange, 150 LB, Screwed Carbon Steel	36.25	18.80
23 21	13 23-1178	EA	1-1/2" Flange, 150 LB, Screwed Carbon Steel	40.08	21.18
23 21	13 23-1179	EA	2" Flange, 150 LB, Screwed Carbon Steel	41.47	22.10
23 21	13 23-1180	EA	1/2" Flange, 300 LB, Screwed Carbon Steel	34.07	17.18
			<i>For Ring Type Joint, Add</i>	8.29	
			<i>For Blind Flange, Deduct</i>	-11.97	
23 21	13 23-1181	EA	3/4" Flange, 300 LB, Screwed Carbon Steel	35.60	18.01
			<i>For Ring Type Joint, Add</i>	8.57	
			<i>For Blind Flange, Deduct</i>	-12.53	
23 21	13 23-1182	EA	1" Flange, 300 LB, Screwed Carbon Steel	37.05	18.80
			<i>For Ring Type Joint, Add</i>	8.84	
			<i>For Blind Flange, Deduct</i>	-13.05	
23 21	13 23-1183	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel	41.99	21.18
			<i>For Ring Type Joint, Add</i>	10.23	
			<i>For Blind Flange, Deduct</i>	-14.75	
23 21	13 23-1184	EA	2" Flange, 300 LB, Screwed Carbon Steel	43.38	22.10
			<i>For Ring Type Joint, Add</i>	10.23	
			<i>For Blind Flange, Deduct</i>	-15.31	
23 21	13 23-1185	EA	1/2" Flange, 600 LB, Screwed Carbon Steel	37.33	17.18
			<i>For Ring Type Joint, Add</i>	11.55	
			<i>For Blind Flange, Deduct</i>	-12.62	
23 21	13 23-1186	EA	3/4" Flange, 600 LB, Screwed Carbon Steel	38.58	18.01
			<i>For Ring Type Joint, Add</i>	11.55	
			<i>For Blind Flange, Deduct</i>	-13.12	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1187	EA	1" Flange, 600 LB, Screwed Carbon Steel.....	40.29	18.80
			<i>For Ring Type Joint, Add</i>	12.08	
			<i>For Blind Flange, Deduct</i>	-13.70	
23 21	13 23-1188	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel	46.00	21.18
			<i>For Ring Type Joint, Add</i>	14.24	
			<i>For Blind Flange, Deduct</i>	-15.55	
23 21	13 23-1189	EA	2" Flange, 600 LB, Screwed Carbon Steel.....	46.40	22.10
			<i>For Ring Type Joint, Add</i>	13.25	
			<i>For Blind Flange, Deduct</i>	-15.91	
23 21	13 23-1190		Square Head Plugs, Screwed Carbon Steel <small>(23 21 13 23-1025)</small>		
23 21	13 23-1191	EA	1/4" Square Head Plug, Screwed Carbon Steel.....	2.48	1.17
23 21	13 23-1192	EA	1/2" Square Head Plug, Screwed Carbon Steel.....	2.96	1.38
23 21	13 23-1193	EA	3/4" Square Head Plug, Screwed Carbon Steel.....	3.47	1.58
23 21	13 23-1194	EA	1" Square Head Plug, Screwed Carbon Steel.....	5.04	2.33
23 21	13 23-1195	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	6.96	2.33
23 21	13 23-1196	EA	2" Square Head Plug, Screwed Carbon Steel.....	10.35	3.04
23 21	13 23-1197		Hex Head Plugs, Screwed Carbon Steel <small>(23 21 13 23-1025)</small>		
23 21	13 23-1198	EA	1/4" Hex Head Plug, Screwed Carbon Steel.....	2.28	1.17
23 21	13 23-1199	EA	1/2" Hex Head Plug, Screwed Carbon Steel.....	2.79	1.38
23 21	13 23-1200	EA	3/4" Hex Head Plug, Screwed Carbon Steel.....	3.35	1.58
23 21	13 23-1201	EA	1" Hex Head Plug, Screwed Carbon Steel.....	4.94	2.33
23 21	13 23-1202	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel.....	6.54	2.33
23 21	13 23-1203	EA	2" Hex Head Plug, Screwed Carbon Steel.....	10.65	3.04
23 21	13 23-1204		Round Head Plugs, Screwed Carbon Steel <small>(23 21 13 23-1025)</small>		
23 21	13 23-1205	EA	1/4" Round Head Plug, Screwed Carbon Steel.....	2.91	1.17
23 21	13 23-1206	EA	1/2" Round Head Plug, Screwed Carbon Steel.....	2.99	1.38
23 21	13 23-1207	EA	3/4" Round Head Plug, Screwed Carbon Steel.....	3.39	1.58
23 21	13 23-1208	EA	1" Round Head Plug, Screwed Carbon Steel.....	5.11	2.33
23 21	13 23-1209	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	7.50	2.33
23 21	13 23-1210	EA	2" Round Head Plug, Screwed Carbon Steel.....	10.53	3.04
23 21	13 23-1211		Hexagon Bushings, Screwed Carbon Steel <small>(23 21 13 23-1025)</small>		
23 21	13 23-1212	EA	1/4" Hex Bushing, Screwed Carbon Steel.....	2.43	1.17
23 21	13 23-1213	EA	1/2" Hex Bushing, Screwed Carbon Steel.....	2.78	1.38
23 21	13 23-1214	EA	3/4" Hex Bushing, Screwed Carbon Steel.....	3.30	1.58
23 21	13 23-1215	EA	1" Hex Bushing, Screwed Carbon Steel.....	5.08	2.33
23 21	13 23-1216	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	6.51	2.33
23 21	13 23-1217	EA	2" Hex Bushing, Screwed Carbon Steel.....	10.20	3.04
23 21	13 23-1218		90 Degree Street Elbows, Screwed Carbon Steel <small>(23 21 13 23-1025)</small>		
23 21	13 23-1219	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	16.44	6.32
23 21	13 23-1220	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	18.57	7.41
23 21	13 23-1221	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	22.03	8.28
23 21	13 23-1222	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	26.16	9.24
23 21	13 23-1223	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	44.02	11.81
23 21	13 23-1224	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	60.07	15.03
23 21	13 23-1225	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	28.58	7.41
23 21	13 23-1226	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	42.40	8.28
23 21	13 23-1227	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	60.24	9.24
23 21	13 23-1228	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	137.77	11.81
23 21	13 23-1229		Screwed Carbon Steel Laterals <small>(23 21 13 23-1025)</small>		
23 21	13 23-1230	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	82.86	9.24
23 21	13 23-1231	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	100.00	10.70
23 21	13 23-1232	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	122.70	12.60
23 21	13 23-1233	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	156.44	17.89
23 21	13 23-1234	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	195.27	22.22
23 21	13 23-1235	EA	1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	106.26	9.24
23 21	13 23-1236	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	134.79	10.70
23 21	13 23-1237	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	159.91	12.60
23 21	13 23-1238	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	224.84	17.89
23 21	13 23-1239		Grooved-Joint Pipe <small>(23 21 13 23)</small>		
			Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21	13 23-1240		Schedule 10 Black Grooved Pipe <small>(23 21 13 23-1239)</small>		
23 21	13 23-1241	LF	2" Black Schedule 10 Grooved Pipe.....	11.76	5.29
23 21	13 23-1242	LF	2-1/2" Black Schedule 10 Grooved Pipe.....	15.87	7.24
23 21	13 23-1243	LF	3" Black Schedule 10 Grooved Pipe.....	17.83	8.03
23 21	13 23-1244	LF	3-1/2" Black Schedule 10 Grooved Pipe.....	19.91	8.32
23 21	13 23-1245	LF	4" Black Schedule 10 Grooved Pipe.....	21.14	9.03
23 21	13 23-1246	LF	5" Black Schedule 10 Grooved Pipe.....	29.93	11.06
23 21	13 23-1247	LF	6" Black Schedule 10 Grooved Pipe.....	38.51	15.72
23 21	13 23-1248	LF	8" Black Schedule 10 Grooved Pipe.....	52.82	17.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1249 LF 10" Black Schedule 10 Grooved Pipe.....	66.27	21.27
23 21 13 23-1250 LF 12" Black Schedule 10 Grooved Pipe.....	76.47	24.09
23 21 13 23-1251 Schedule 40 Black Grooved Pipe (23 21 13 23-1239)		
23 21 13 23-1252 LF 3/4" Black Schedule 40 Grooved Pipe.....	7.06	3.20
23 21 13 23-1253 LF 1" Black Schedule 40 Grooved Pipe.....	7.98	3.62
23 21 13 23-1254 LF 1-1/4" Black Schedule 40 Grooved Pipe.....	9.08	3.91
23 21 13 23-1255 LF 1-1/2" Black Schedule 40 Grooved Pipe.....	10.33	4.45
23 21 13 23-1256 LF 2" Black Schedule 40 Grooved Pipe.....	13.01	5.66
23 21 13 23-1257 LF 2-1/2" Black Schedule 40 Grooved Pipe.....	18.12	7.74
23 21 13 23-1258 LF 3" Black Schedule 40 Grooved Pipe.....	21.41	8.82
23 21 13 23-1259 LF 4" Black Schedule 40 Grooved Pipe.....	26.32	9.82
23 21 13 23-1260 LF 5" Black Schedule 40 Grooved Pipe.....	36.33	11.95
23 21 13 23-1261 LF 6" Black Schedule 40 Grooved Pipe.....	48.82	17.22
23 21 13 23-1262 LF 8" Black Schedule 40 Grooved Pipe.....	64.98	19.51
23 21 13 23-1263 LF 10" Black Schedule 40 Grooved Pipe.....	89.76	23.30
23 21 13 23-1264 LF 12" Black Schedule 40 Grooved Pipe.....	105.78	26.76
23 21 13 23-1265 LF 14" Black Schedule 40 Grooved Pipe.....	139.58	36.16
23 21 13 23-1266 LF 16" Black Schedule 40 Grooved Pipe.....	161.89	42.52
23 21 13 23-1267 LF 18" Black Schedule 40 Grooved Pipe.....	201.05	51.64
23 21 13 23-1268 LF 20" Black Schedule 40 Grooved Pipe.....	231.79	60.21
23 21 13 23-1269 LF 24" Black Schedule 40 Grooved Pipe.....	303.39	72.28
23 21 13 23-1270 Schedule 80 Black Grooved Pipe (23 21 13 23-1239)		
23 21 13 23-1271 LF 3/4" Black Schedule 80 Grooved Pipe.....	7.73	3.50
23 21 13 23-1272 LF 1" Black Schedule 80 Grooved Pipe.....	8.59	3.71
23 21 13 23-1273 LF 1-1/4" Black Schedule 80 Grooved Pipe.....	10.10	4.12
23 21 13 23-1274 LF 1-1/2" Black Schedule 80 Grooved Pipe.....	11.51	4.62
23 21 13 23-1275 LF 2" Black Schedule 80 Grooved Pipe.....	14.89	5.95
23 21 13 23-1276 LF 2-1/2" Black Schedule 80 Grooved Pipe.....	20.98	8.20
23 21 13 23-1277 LF 3" Black Schedule 80 Grooved Pipe.....	25.04	9.20
23 21 13 23-1278 LF 4" Black Schedule 80 Grooved Pipe.....	31.55	10.03
23 21 13 23-1279 LF 5" Black Schedule 80 Grooved Pipe.....	48.35	12.60
23 21 13 23-1280 LF 6" Black Schedule 80 Grooved Pipe.....	62.84	18.05
23 21 13 23-1281 LF 8" Black Schedule 80 Grooved Pipe.....	94.39	20.64
23 21 13 23-1282 LF 10" Black Schedule 80 Grooved Pipe.....	117.52	24.92
23 21 13 23-1283 LF 12" Black Schedule 80 Grooved Pipe.....	123.57	30.13
23 21 13 23-1284 Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1239)		
23 21 13 23-1285 LF 3/4" Galvanized Schedule 40 Grooved Pipe.....	7.79	3.20
23 21 13 23-1286 LF 1" Galvanized Schedule 40 Grooved Pipe.....	9.08	3.62
23 21 13 23-1287 LF 1-1/4" Galvanized Schedule 40 Grooved Pipe.....	10.16	3.91
23 21 13 23-1288 LF 1-1/2" Galvanized Schedule 40 Grooved Pipe.....	11.57	4.45
23 21 13 23-1289 LF 2" Galvanized Schedule 40 Grooved Pipe.....	14.60	5.66
23 21 13 23-1290 LF 2-1/2" Galvanized Schedule 40 Grooved Pipe.....	20.52	7.74
23 21 13 23-1291 LF 3" Galvanized Schedule 40 Grooved Pipe.....	24.52	8.82
23 21 13 23-1292 LF 4" Galvanized Schedule 40 Grooved Pipe.....	30.73	9.82
23 21 13 23-1293 LF 5" Galvanized Schedule 40 Grooved Pipe.....	43.97	11.95
23 21 13 23-1294 LF 6" Galvanized Schedule 40 Grooved Pipe.....	58.84	17.22
23 21 13 23-1295 LF 8" Galvanized Schedule 40 Grooved Pipe.....	79.55	19.51
23 21 13 23-1296 LF 10" Galvanized Schedule 40 Grooved Pipe.....	113.93	23.30
23 21 13 23-1297 LF 12" Galvanized Schedule 40 Grooved Pipe.....	134.90	26.76
23 21 13 23-1298 Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1239)		
23 21 13 23-1299 LF 3/4" Galvanized Schedule 80 Grooved Pipe.....	8.34	3.50
23 21 13 23-1300 LF 1" Galvanized Schedule 80 Grooved Pipe.....	11.22	3.71
23 21 13 23-1301 LF 1-1/4" Galvanized Schedule 80 Grooved Pipe.....	11.19	4.12
23 21 13 23-1302 LF 1-1/2" Galvanized Schedule 80 Grooved Pipe.....	14.83	4.91
23 21 13 23-1303 LF 2" Galvanized Schedule 80 Grooved Pipe.....	16.62	5.95
23 21 13 23-1304 LF 2-1/2" Galvanized Schedule 80 Grooved Pipe.....	23.63	8.20
23 21 13 23-1305 LF 3" Galvanized Schedule 80 Grooved Pipe.....	28.69	9.20
23 21 13 23-1306 LF 4" Galvanized Schedule 80 Grooved Pipe.....	36.78	10.03
23 21 13 23-1307 LF 5" Galvanized Schedule 80 Grooved Pipe.....	56.44	12.60
23 21 13 23-1308 LF 6" Galvanized Schedule 80 Grooved Pipe.....	72.43	18.05
23 21 13 23-1309 LF 8" Galvanized Schedule 80 Grooved Pipe.....	111.00	20.64
23 21 13 23-1310 LF 10" Galvanized Schedule 80 Grooved Pipe.....	131.96	24.92
23 21 13 23-1311 LF 12" Galvanized Schedule 80 Grooved Pipe.....	143.66	30.13
23 21 13 23-1312 Painted Grooved-Joint Pipe Fittings (23 21 13 23)		
Note: Couplings are not included with fittings.		
23 21 13 23-1313 Grooved Elbows (23 21 13 23-1312)		
23 21 13 23-1314 90 Degree Grooved Elbows (23 21 13 23-1313)		
Note: Victaulic No. 10		
23 21 13 23-1315 EA 3/4" 90 Degree Elbow, Ductile Iron, Grooved.....	44.44	4.54
For Galvanized Fittings, Add	12.42	
23 21 13 23-1316 EA 1" 90 Degree Elbow, Ductile Iron, Grooved.....	44.44	4.54
For Galvanized Fittings, Add	12.42	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-1317	EA	1-1/4"	90 Degree Elbow, Ductile Iron, Grooved	46.14	5.66
			<i>For Galvanized Fittings, Add</i>	12.42	
23 21 13 23-1318	EA	1-1/2"	90 degree Elbow, Ductile Iron, Grooved	47.94	6.87
			<i>For Galvanized Fittings, Add</i>	12.42	
23 21 13 23-1319	EA	2"	90 Degree Elbow, Ductile Iron, Grooved	51.24	9.07
			<i>For Galvanized Fittings, Add</i>	12.42	
23 21 13 23-1320	EA	2-1/2"	90 Degree Elbow, Ductile Iron, Grooved	54.21	11.06
			<i>For Galvanized Fittings, Add</i>	12.42	
23 21 13 23-1321	EA	3"	90 Degree Elbow, Ductile Iron, Grooved	86.94	13.39
			<i>For Galvanized Fittings, Add</i>	22.06	
23 21 13 23-1322	EA	4"	90 Degree Elbow, Ductile Iron, Grooved	99.32	17.69
			<i>For Galvanized Fittings, Add</i>	24.03	
23 21 13 23-1323	EA	5"	90 Degree Elbow, Ductile Iron, Grooved	210.40	22.10
			<i>For Galvanized Fittings, Add</i>	58.50	
23 21 13 23-1324	EA	6"	90 Degree Elbow, Ductile Iron, Grooved	249.36	28.92
			<i>For Galvanized Fittings, Add</i>	67.99	
23 21 13 23-1325	EA	8"	90 Degree Elbow, Ductile Iron, Grooved	485.19	34.42
			<i>For Galvanized Fittings, Add</i>	143.08	
23 21 13 23-1326	EA	10"	90 Degree Elbow, Ductile Iron, Grooved	735.74	40.15
			<i>For Galvanized Fittings, Add</i>	222.93	
23 21 13 23-1327	EA	12"	90 Degree Elbow, Ductile Iron, Grooved	1,155.02	48.19
			<i>For Galvanized Fittings, Add</i>	357.32	
23 21 13 23-1328	EA	14"	90 Degree Elbow, Steel, Grooved	2,333.37	54.39
			<i>For Galvanized Fittings, Add</i>	743.10	
23 21 13 23-1329	EA	16"	90 Degree Elbow, Steel, Grooved	3,036.80	60.21
			<i>For Galvanized Fittings, Add</i>	972.35	
23 21 13 23-1330	EA	18"	90 Degree Elbow, Steel, Grooved	3,835.65	65.78
			<i>For Galvanized Fittings, Add</i>	1,233.22	
23 21 13 23-1331	EA	20"	90 Degree Elbow, Steel, Grooved	5,013.44	68.41
			<i>For Galvanized Fittings, Add</i>	1,620.58	
23 21 13 23-1332	EA	24"	90 Degree Elbow, Steel, Grooved	7,188.08	80.89
			<i>For Galvanized Fittings, Add</i>	2,332.06	
23 21 13 23-1333 45 Degree Grooved Elbows (23 21 13 23-1313)					
Note: Victaulic No. 11					
23 21 13 23-1334	EA	3/4"	45 Degree Elbow, Ductile Iron, Grooved	44.41	4.54
			<i>For Galvanized Fittings, Add</i>	9.03	
23 21 13 23-1335	EA	1"	45 Degree Elbow, Ductile Iron, Grooved	44.41	4.54
			<i>For Galvanized Fittings, Add</i>	9.03	
23 21 13 23-1336	EA	1-1/4"	45 Degree Elbow, Ductile Iron, Grooved	46.11	5.66
			<i>For Galvanized Fittings, Add</i>	9.03	
23 21 13 23-1337	EA	1-1/2"	45 degree Elbow, Ductile Iron, Grooved	47.91	6.87
			<i>For Galvanized Fittings, Add</i>	9.03	
23 21 13 23-1338	EA	2"	45 Degree Elbow, Ductile Iron, Grooved	51.21	9.07
			<i>For Galvanized Fittings, Add</i>	9.03	
23 21 13 23-1339	EA	2-1/2"	45 Degree Elbow, Ductile Iron, Grooved	54.18	11.06
			<i>For Galvanized Fittings, Add</i>	9.03	
23 21 13 23-1340	EA	3"	45 Degree Elbow, Ductile Iron, Grooved	86.92	13.39
			<i>For Galvanized Fittings, Add</i>	16.04	
23 21 13 23-1341	EA	4"	45 Degree Elbow, Ductile Iron, Grooved	99.32	17.69
			<i>For Galvanized Fittings, Add</i>	17.48	
23 21 13 23-1342	EA	5"	45 Degree Elbow, Ductile Iron, Grooved	210.40	22.10
			<i>For Galvanized Fittings, Add</i>	42.54	
23 21 13 23-1343	EA	6"	45 Degree Elbow, Ductile Iron, Grooved	249.36	28.92
			<i>For Galvanized Fittings, Add</i>	49.44	
23 21 13 23-1344	EA	8"	45 Degree Elbow, Ductile Iron, Grooved	485.19	34.42
			<i>For Galvanized Fittings, Add</i>	104.06	
23 21 13 23-1345	EA	10"	45 Degree Elbow, Ductile Iron, Grooved	735.74	40.15
			<i>For Galvanized Fittings, Add</i>	162.13	
23 21 13 23-1346	EA	12"	45 Degree Elbow, Ductile Iron, Grooved	1,155.02	48.19
			<i>For Galvanized Fittings, Add</i>	259.87	
23 21 13 23-1347	EA	14"	45 Degree Elbow, Steel, Grooved	2,333.37	54.39
			<i>For Galvanized Fittings, Add</i>	540.43	
23 21 13 23-1348	EA	16"	45 Degree Elbow, Steel, Grooved	3,036.80	60.21
			<i>For Galvanized Fittings, Add</i>	707.16	
23 21 13 23-1349	EA	18"	45 Degree Elbow, Steel, Grooved	3,835.65	65.78
			<i>For Galvanized Fittings, Add</i>	896.89	
23 21 13 23-1350	EA	20"	45 Degree Elbow, Steel, Grooved	5,013.62	68.53
			<i>For Galvanized Fittings, Add</i>	1,178.60	
23 21 13 23-1351	EA	24"	45 Degree Elbow, Steel, Grooved	7,188.08	80.89
			<i>For Galvanized Fittings, Add</i>	1,696.04	
23 21 13 23-1352 22-1/2 Degree Grooved Elbows (23 21 13 23-1313)					
Note: Victaulic No. 12					
23 21 13 23-1353	EA	1"	22-1/2 Degree Elbow, Ductile Iron, Grooved	46.89	4.54
			<i>For Galvanized Fittings, Add</i>	9.62	
23 21 13 23-1354	EA	1-1/4"	22-1/2 Degree Elbow, Ductile Iron, Grooved	48.59	5.66
			<i>For Galvanized Fittings, Add</i>	9.62	
23 21 13 23-1355	EA	1-1/2"	22-1/2 Degree Elbow, Ductile Iron, Grooved	50.39	6.87
			<i>For Galvanized Fittings, Add</i>	9.62	
23 21 13 23-1356	EA	2"	22-1/2 Degree Elbow, Ductile Iron, Grooved	53.69	9.07
			<i>For Galvanized Fittings, Add</i>	9.62	
23 21 13 23-1357	EA	2-1/2"	22-1/2 Degree Elbow, Ductile Iron, Grooved	56.66	11.06
			<i>For Galvanized Fittings, Add</i>	9.62	
23 21 13 23-1358	EA	3"	22-1/2 Degree Elbow, Ductile Iron, Grooved	78.71	13.39
			<i>For Galvanized Fittings, Add</i>	14.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1359	EA	4" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	105.12 18.87	17.69
23 21	13 23-1360	EA	5" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	276.93 58.51	22.10
23 21	13 23-1361	EA	6" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	266.06 53.45	28.92
23 21	13 23-1362	EA	8" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	517.61 111.84	34.42
23 21	13 23-1363	EA	10" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	699.97 153.54	40.15
23 21	13 23-1364	EA	12" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	937.15 207.58	48.19
23 21	13 23-1365	EA	14" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,080.56 239.76	54.39
23 21	13 23-1366	EA	16" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,288.45 287.56	60.21
23 21	13 23-1367	EA	18" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,549.67 348.25	65.78
23 21	13 23-1368	EA	20" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,818.13 411.73	68.41
23 21	13 23-1369	EA	24" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,426.56 553.28	80.89
23 21	13 23-1370		11-1/4 Degree Grooved Elbows (23 21 13 23-1313) Note: Victaulic No. 13		
23 21	13 23-1371	EA	1" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	46.89 9.62	4.54
23 21	13 23-1372	EA	1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	48.59 9.62	5.66
23 21	13 23-1373	EA	1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	50.39 9.62	6.87
23 21	13 23-1374	EA	2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	53.69 9.62	9.07
23 21	13 23-1375	EA	2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	56.66 9.62	11.06
23 21	13 23-1376	EA	3" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	78.71 14.07	13.39
23 21	13 23-1377	EA	4" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	105.11 18.87	17.69
23 21	13 23-1378	EA	5" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	276.92 58.51	22.10
23 21	13 23-1379	EA	6" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	266.05 53.45	28.92
23 21	13 23-1380	EA	8" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	517.58 111.84	34.42
23 21	13 23-1381	EA	10" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	699.94 153.54	40.15
23 21	13 23-1382	EA	12" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	937.11 207.57	48.19
23 21	13 23-1383	EA	14" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,080.51 239.75	54.39
23 21	13 23-1384	EA	16" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,288.40 287.54	60.25
23 21	13 23-1385	EA	18" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,549.58 348.24	65.78
23 21	13 23-1386	EA	20" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,818.04 411.71	68.41
23 21	13 23-1387	EA	24" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,426.43 553.25	80.89
23 21	13 23-1388		90 Degree Grooved Long Radius Elbows (23 21 13 23-1313) Note: Victaulic No. 100		
23 21	13 23-1389	EA	2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	99.65 20.65	9.07
23 21	13 23-1390	EA	2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	266.24 59.92	11.06
23 21	13 23-1391	EA	3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	106.13 20.65	13.39
23 21	13 23-1392	EA	4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	155.40 30.94	17.69
23 21	13 23-1393	EA	5" 90 Degree Long Radius Elbow, Steel Grooved <i>For Galvanized Fittings, Add</i>	693.79 158.56	22.10
23 21	13 23-1394	EA	6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	420.41 90.50	28.92
23 21	13 23-1395	EA	8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	956.06 217.07	34.42
23 21	13 23-1396	EA	10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,935.53 450.08	40.15
23 21	13 23-1397	EA	12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	2,308.57 536.72	48.19
23 21	13 23-1398		Grooved Tees, Wyes And Crosses (23 21 13 23-1312)		
23 21	13 23-1399		Grooved Tees (23 21 13 23-1398) Note: Victaulic No. 20		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-1400	EA 3/4" Tee, Ductile Iron, Grooved.....	66.46	5.95
	<i>For Galvanized Fittings, Add</i>	17.25	
23 21 13 23-1401	EA 1" Tee, Ductile Iron, Grooved.....	67.81	6.87
	<i>For Galvanized Fittings, Add</i>	17.25	
23 21 13 23-1402	EA 1-1/4" Tee, Ductile Iron, Grooved	70.10	8.41
	<i>For Galvanized Fittings, Add</i>	17.25	
23 21 13 23-1403	EA 1-1/2" Tee, Ductile Iron, Grooved	72.96	10.32
	<i>For Galvanized Fittings, Add</i>	17.25	
23 21 13 23-1404	EA 2" Tee, Ductile Iron, Grooved.....	77.51	13.35
	<i>For Galvanized Fittings, Add</i>	17.25	
23 21 13 23-1405	EA 2-1/2" Tee, Ductile Iron, Grooved	82.05	16.35
	<i>For Galvanized Fittings, Add</i>	17.25	
23 21 13 23-1406	EA 3" Tee, Ductile Iron, Grooved.....	110.68	20.10
	<i>For Galvanized Fittings, Add</i>	24.17	
23 21 13 23-1407	EA 4" Tee, Ductile Iron, Grooved.....	162.56	26.01
	<i>For Galvanized Fittings, Add</i>	37.07	
23 21 13 23-1408	EA 5" Tee, Ductile Iron, Grooved.....	340.91	33.99
	<i>For Galvanized Fittings, Add</i>	86.98	
23 21 13 23-1409	EA 6" Tee, Ductile Iron, Grooved.....	398.83	42.52
	<i>For Galvanized Fittings, Add</i>	100.53	
23 21 13 23-1410	EA 8" Tee, Ductile Iron, Grooved.....	809.38	51.64
	<i>For Galvanized Fittings, Add</i>	219.59	
23 21 13 23-1411	EA 10" Tee, Ductile Iron, Grooved.....	1,397.39	60.21
	<i>For Galvanized Fittings, Add</i>	392.13	
23 21 13 23-1412	EA 12" Tee, Ductile Iron, Grooved.....	1,938.29	72.28
	<i>For Galvanized Fittings, Add</i>	548.98	
23 21 13 23-1413	EA 14" Tee, Steel, Grooved.....	2,116.69	80.31
	<i>For Galvanized Fittings, Add</i>	598.89	
23 21 13 23-1414	EA 16" Tee, Steel, Grooved.....	2,663.98	80.77
	<i>For Galvanized Fittings, Add</i>	762.87	
23 21 13 23-1415	EA 18" Tee, Steel, Grooved.....	3,318.10	89.09
	<i>For Galvanized Fittings, Add</i>	955.37	
23 21 13 23-1416	EA 20" Tee, Steel, Grooved.....	4,698.60	90.51
	<i>For Galvanized Fittings, Add</i>	1,368.88	
23 21 13 23-1417	EA 24" Tee, Steel, Grooved.....	7,177.48	111.18
	<i>For Galvanized Fittings, Add</i>	2,103.23	

23 21 13 23-1418 Grooved Wyes (90 Degree True Wye) (23 21 13 23-1398)

Note: Victaulic No. 33

23 21 13 23-1419	EA 1" Wye, Steel, Grooved.....	252.96	6.87
	<i>For Galvanized Fittings, Add</i>	38.83	
23 21 13 23-1420	EA 1-1/4" Wye, Steel, Grooved	255.25	8.41
	<i>For Galvanized Fittings, Add</i>	38.83	
23 21 13 23-1421	EA 1-1/2" Wye, Steel, Grooved	258.11	10.32
	<i>For Galvanized Fittings, Add</i>	38.83	
23 21 13 23-1422	EA 2" Wye, Steel, Grooved.....	262.66	13.35
	<i>For Galvanized Fittings, Add</i>	38.83	
23 21 13 23-1423	EA 2-1/2" Wye, Steel, Grooved	267.20	16.35
	<i>For Galvanized Fittings, Add</i>	38.83	
23 21 13 23-1424	EA 3" Wye, Steel, Grooved.....	320.18	20.10
	<i>For Galvanized Fittings, Add</i>	46.41	
23 21 13 23-1425	EA 4" Wye, Steel, Grooved.....	418.91	26.01
	<i>For Galvanized Fittings, Add</i>	60.79	
23 21 13 23-1426	EA 5" Wye, Steel, Grooved.....	595.54	33.99
	<i>For Galvanized Fittings, Add</i>	87.13	
23 21 13 23-1427	EA 6" Wye, Steel, Grooved.....	737.53	42.52
	<i>For Galvanized Fittings, Add</i>	107.81	
23 21 13 23-1428	EA 8" Wye, Steel, Grooved.....	1,047.86	51.64
	<i>For Galvanized Fittings, Add</i>	155.27	
23 21 13 23-1429	EA 10" Wye, Steel, Grooved.....	1,765.28	60.21
	<i>For Galvanized Fittings, Add</i>	268.00	
23 21 13 23-1430	EA 12" Wye, Steel, Grooved.....	1,958.82	72.28
	<i>For Galvanized Fittings, Add</i>	296.07	
23 21 13 23-1431	EA 14" Wye, Steel, Grooved.....	2,233.42	80.31
	<i>For Galvanized Fittings, Add</i>	338.08	
23 21 13 23-1432	EA 16" Wye, Steel, Grooved.....	2,865.51	80.69
	<i>For Galvanized Fittings, Add</i>	439.13	
23 21 13 23-1433	EA 18" Wye, Steel, Grooved.....	3,273.14	89.17
	<i>For Galvanized Fittings, Add</i>	502.31	
23 21 13 23-1434	EA 20" Wye, Steel, Grooved.....	4,688.70	90.33
	<i>For Galvanized Fittings, Add</i>	728.52	
23 21 13 23-1435	EA 24" Wye, Steel, Grooved.....	7,245.73	111.18
	<i>For Galvanized Fittings, Add</i>	1,132.64	

23 21 13 23-1436 Grooved Crosses (23 21 13 23-1398)

Note: Victaulic No. 35

23 21 13 23-1437	EA 3/4" Cross, Steel, Grooved	170.52	8.95
	<i>For Galvanized Fittings, Add</i>	23.57	
23 21 13 23-1438	EA 1" Cross, Steel, Grooved	172.55	10.32
	<i>For Galvanized Fittings, Add</i>	23.57	
23 21 13 23-1439	EA 1-1/4" Cross, Steel, Grooved	208.51	12.60
	<i>For Galvanized Fittings, Add</i>	28.44	
23 21 13 23-1440	EA 1-1/2" Cross, Steel, Grooved.....	227.50	15.48
	<i>For Galvanized Fittings, Add</i>	30.65	
23 21 13 23-1441	EA 2" Cross, Steel, Grooved	145.47	20.01
	<i>For Galvanized Fittings, Add</i>	17.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1442	EA	2-1/2" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	152.28 17.32	24.55
23 21	13 23-1443	EA	3" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	252.67 31.12	30.13
23 21	13 23-1444	EA	4" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	403.86 51.81	38.99
23 21	13 23-1445	EA	5" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	782.06 105.84	50.97
23 21	13 23-1446	EA	6" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,003.45 136.18	63.79
23 21	13 23-1447	EA	8" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,311.72 179.34	77.44
23 21	13 23-1448	EA	10" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,174.64 305.88	90.33
23 21	13 23-1449	EA	12" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,105.26 441.41	108.44
23 21	13 23-1450	EA	14" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,229.42 457.32	120.46
23 21	13 23-1451	EA	16" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,169.97 598.25	121.17
23 21	13 23-1452	EA	18" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	5,089.07 733.31	133.62
23 21	13 23-1453	EA	20" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	7,129.42 1,038.90	135.69
23 21	13 23-1454	EA	24" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	10,942.25 1,603.83	166.78
23 21 13 23-1455 Grooved Reducing Tees (23 21 13 23-1398)					
Note: Victaulic No. 25					
23 21	13 23-1456	EA	1" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	121.27 22.19	6.87
23 21	13 23-1457	EA	1-1/4" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	127.04 22.89	8.41
23 21	13 23-1458	EA	1-1/2" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	132.76 23.46	10.32
23 21	13 23-1459	EA	2" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	157.33 27.47	13.35
23 21	13 23-1460	EA	2-1/2" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	176.00 30.29	16.35
23 21	13 23-1461	EA	3" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	195.91 33.16	20.10
23 21	13 23-1462	EA	4" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	262.56 44.72	26.01
23 21	13 23-1463	EA	5" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	346.20 59.05	33.99
23 21	13 23-1464	EA	6" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	479.05 83.06	42.52
23 21	13 23-1465	EA	8" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	762.67 137.05	51.64
23 21	13 23-1466	EA	10" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,100.52 202.04	60.21
23 21	13 23-1467	EA	12" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,598.60 298.05	72.28
23 21	13 23-1468	EA	14" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,813.00 338.52	80.31
23 21	13 23-1469	EA	16" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,319.74 439.73	80.77
23 21	13 23-1470	EA	18" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,825.23 538.34	89.09
23 21	13 23-1471	EA	20" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,985.23 769.92	90.46
23 21	13 23-1472	EA	24" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	6,367.62 1,240.18	111.18
23 21 13 23-1473 Grooved 45 Degree Lateral Wyes (23 21 13 23-1398)					
Note: Victaulic No. 30					
23 21	13 23-1474	EA	3/4" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	238.75 41.36	5.95
23 21	13 23-1475	EA	1" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	240.10 41.36	6.87
23 21	13 23-1476	EA	1-1/4" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	242.39 41.36	8.41
23 21	13 23-1477	EA	1-1/2" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	245.25 41.36	10.32
23 21	13 23-1478	EA	2" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	249.80 41.36	13.35
23 21	13 23-1479	EA	2-1/2" Wye, 45 Degree Lateral, Steel, Grooved <i>For Galvanized Fittings, Add</i>	254.34 41.36	16.35
23 21	13 23-1480	EA	3" Wye, 45 Degree Lateral, Steel, Grooved <i>For Galvanized Fittings, Add</i>	228.65 35.74	20.10
23 21	13 23-1481	EA	3-1/2" Wye, 45 Degree Lateral, Steel, Grooved <i>For Galvanized Fittings, Add</i>	371.07 60.54	23.18
23 21	13 23-1482	EA	4" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	430.51 70.48	26.01
23 21	13 23-1483	EA	5" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	623.17 103.00	33.99

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1484	EA	6" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	985.65 165.94	42.52
23 21	13 23-1485	EA	8" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,405.30 239.02	51.64
23 21	13 23-1486	EA	10" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,964.59 337.37	60.21
23 21	13 23-1487	EA	12" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,374.46 407.90	72.28
23 21	13 23-1488	EA	14" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	3,427.92 595.35	80.31
23 21	13 23-1489	EA	16" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	4,253.08 743.76	80.77
23 21	13 23-1490	EA	18" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	4,752.60 831.43	89.09
23 21	13 23-1491	EA	20" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	7,141.97 1,261.14	90.46
23 21	13 23-1492	EA	24" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	11,054.03 1,959.72	111.18
23 21 13 23-1493 Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1398)					
Note: Victaulic No. 30R					
23 21	13 23-1494	EA	3" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	228.65 25.81	20.10
23 21	13 23-1495	EA	4" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	430.51 50.90	26.01
23 21	13 23-1496	EA	5" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	623.17 74.39	33.99
23 21	13 23-1497	EA	6" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	803.02 96.11	42.52
23 21	13 23-1498	EA	8" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,144.63 138.74	51.64
23 21	13 23-1499	EA	10" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,397.34 169.92	60.21
23 21	13 23-1500	EA	12" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,696.74 206.49	72.28
23 21	13 23-1501	EA	14" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,899.78 231.32	80.31
23 21	13 23-1502	EA	16" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,421.11 299.00	80.77
23 21	13 23-1503	EA	18" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	3,665.22 459.12	89.09
23 21	13 23-1504	EA	20" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	5,305.08 672.03	90.46
23 21	13 23-1505	EA	24" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	8,536.24 1,088.04	111.18
23 21 13 23-1506 Mechanical-T Outlet (23 21 13 23-1398)					
Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.					
23 21	13 23-1507	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	68.18 9.48	14.98
23 21	13 23-1508	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	68.18 9.48	14.98
23 21	13 23-1509	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	74.14 10.96	14.98
23 21	13 23-1510	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	74.14	14.98
23 21	13 23-1511	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	71.93	16.85
23 21	13 23-1512	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	71.93	16.85
23 21	13 23-1513	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	87.68	16.85
23 21	13 23-1514	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	81.46	18.72
23 21	13 23-1515	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	81.46	18.72
23 21	13 23-1516	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	94.14	18.72
23 21	13 23-1517	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	94.14	18.72
23 21	13 23-1518	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet.....	102.82	18.72
23 21	13 23-1519	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	106.04	24.96
23 21	13 23-1520	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	106.04	24.96
23 21	13 23-1521	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	115.94	24.96
23 21	13 23-1522	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	118.72	24.96
23 21	13 23-1523	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	118.72	24.96
23 21	13 23-1524	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	121.50	24.96
23 21	13 23-1525	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	126.83	24.96
23 21	13 23-1526	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	153.14	34.33
23 21	13 23-1527	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	153.14	34.33
23 21	13 23-1528	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	157.95	34.33
23 21	13 23-1529	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	163.97	34.33
23 21	13 23-1530	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	173.83	43.69
23 21	13 23-1531	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	173.83	43.69
23 21	13 23-1532	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	180.90	43.69
23 21	13 23-1533	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	186.86	43.69
23 21	13 23-1534	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	197.46	43.69
23 21	13 23-1535	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	268.66	57.84
23 21	13 23-1536	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	268.66	57.84
23 21	13 23-1537	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	277.17	57.84
23 21	13 23-1538	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	282.21	57.84



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1539		Installation-Ready™ Grooved Fittings (23 21 13 23-1312)		
23 21	13 23-1540		Installation-Ready™ 90 Degree Grooved Elbows (23 21 13 23-1539)		
			Note: Victaulic No. 101		
23 21	13 23-1541	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	141.99	4.12
			For Galvanized Fittings, Add	44.80	
			For Galvanized Fittings, Add	34.75	
23 21	13 23-1542	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	147.24	4.94
			For Galvanized Fittings, Add	46.12	
			For Galvanized Fittings, Add	35.78	
23 21	13 23-1543	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	150.73	6.60
			For Galvanized Fittings, Add	46.44	
			For Galvanized Fittings, Add	36.03	
23 21	13 23-1544	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	182.17	8.24
			For Galvanized Fittings, Add	56.00	
			For Galvanized Fittings, Add	43.44	
23 21	13 23-1545		Installation-Ready™ 45 Degree Grooved Elbows (23 21 13 23-1539)		
			Note: Victaulic No. 103		
23 21	13 23-1546	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	141.99	4.12
			For Galvanized Fittings, Add	32.58	
			For Galvanized Fittings, Add	34.75	
23 21	13 23-1547	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	147.24	4.94
			For Galvanized Fittings, Add	33.54	
			For Galvanized Fittings, Add	35.78	
23 21	13 23-1548	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	150.73	6.60
			For Galvanized Fittings, Add	33.78	
			For Galvanized Fittings, Add	36.03	
23 21	13 23-1549	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	182.17	8.24
			For Galvanized Fittings, Add	40.73	
			For Galvanized Fittings, Add	43.44	
23 21	13 23-1550		Installation-Ready™ Grooved Tees (23 21 13 23-1539)		
			Note: Victaulic No. 102		
23 21	13 23-1551	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	217.94	5.49
			For Galvanized Fittings, Add	62.89	
			For Galvanized Fittings, Add	53.66	
23 21	13 23-1552	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	226.60	6.60
			For Galvanized Fittings, Add	64.98	
			For Galvanized Fittings, Add	55.45	
23 21	13 23-1553	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	232.91	8.78
			For Galvanized Fittings, Add	65.88	
			For Galvanized Fittings, Add	56.22	
23 21	13 23-1554	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	270.19	10.98
			For Galvanized Fittings, Add	76.06	
			For Galvanized Fittings, Add	64.91	
23 21	13 23-1555		Grooved Fittings (23 21 13 23-1312)		
23 21	13 23-1556		Flanged Adapter Nipple, Grooved (23 21 13 23-1555)		
			Note: Victaulic No. 41 and 45		
23 21	13 23-1557	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	169.21	4.99
			For Galvanized Fittings, Add	29.11	
			For 300 LB Rating, Add	24.26	
23 21	13 23-1558	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	170.04	5.53
			For Galvanized Fittings, Add	29.11	
			For 300 LB Rating, Add	24.26	
23 21	13 23-1559	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	172.13	6.95
			For Galvanized Fittings, Add	29.11	
			For 300 LB Rating, Add	24.26	
23 21	13 23-1560	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	176.50	9.86
			For Galvanized Fittings, Add	29.11	
			For 300 LB Rating, Add	24.26	
23 21	13 23-1561	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	179.63	11.95
			For Galvanized Fittings, Add	29.11	
			For 300 LB Rating, Add	24.26	
23 21	13 23-1562	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	228.32	14.28
			For Galvanized Fittings, Add	37.25	
			For 300 LB Rating, Add	31.04	
23 21	13 23-1563	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	275.59	19.22
			For Galvanized Fittings, Add	44.42	
			For 300 LB Rating, Add	37.02	
23 21	13 23-1564	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	387.52	23.26
			For Galvanized Fittings, Add	63.48	
			For 300 LB Rating, Add	52.90	
23 21	13 23-1565	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	449.46	31.42
			For Galvanized Fittings, Add	72.42	
			For 300 LB Rating, Add	60.35	
23 21	13 23-1566	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	619.12	42.52
			For Galvanized Fittings, Add	99.97	
			For 300 LB Rating, Add	83.31	
23 21	13 23-1567	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	983.71	51.64
			For Galvanized Fittings, Add	163.13	
			For 300 LB Rating, Add	135.95	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1568	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	1,329.50 223.06 185.88	60.21
23 21	13 23-1569	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	1,569.71 263.04 219.20	72.28
23 21	13 23-1570	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	2,370.91 405.09 337.58	80.31
23 21	13 23-1571	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	2,824.01 475.81 396.51	120.46
23 21	13 23-1572	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	2,972.00 495.95 413.29	144.56
23 21	13 23-1573	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	4,994.01 855.58 712.98	160.62
23 21	13 23-1574		Grooved Concentric Reducers (23 21 13 23-1555) Note: Victaulic No. 50		
23 21	13 23-1575	EA	1-1/4" x 3/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	179.98 7.59	4.99
23 21	13 23-1576	EA	1-1/4" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	188.17 7.93	5.29
23 21	13 23-1577	EA	1-1/2" x 3/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	212.13 24.47	5.70
23 21	13 23-1578	EA	1-1/2" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	52.55 5.24	5.95
23 21	13 23-1579	EA	1-1/2" x 1-1/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	178.11 20.28	6.24
23 21	13 23-1580	EA	2" x 3/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	53.79 5.24	6.78
23 21	13 23-1581	EA	2" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	54.21 5.24	7.07
23 21	13 23-1582	EA	2" x 1-1/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	59.00 5.77	7.37
23 21	13 23-1583	EA	2" x 1-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	55.90 5.24	8.20
23 21	13 23-1584	EA	2-1/2" x 3/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	366.32 42.65	7.66
23 21	13 23-1585	EA	2-1/2" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	290.23 33.46	7.94
23 21	13 23-1586	EA	2-1/2" x 1-1/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	264.27 30.29	8.20
23 21	13 23-1587	EA	2-1/2" x 1-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	57.13 5.24	9.03
23 21	13 23-1588	EA	2-1/2" x 2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	58.79 5.24	10.11
23 21	13 23-1589	EA	3" x 3/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	370.47 54.29	8.91
23 21	13 23-1590	EA	3" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	61.87 7.32	9.16
23 21	13 23-1591	EA	3" x 1-1/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	290.76 42.05	9.44
23 21	13 23-1592	EA	3" x 1-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	272.23 39.07	10.11
23 21	13 23-1593	EA	3" x 2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	55.09 5.81	11.24
23 21	13 23-1594	EA	3" x 2-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	72.78 8.01	13.39
23 21	13 23-1595	EA	3-1/2" x 3" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	77.79 8.53	14.44
23 21	13 23-1596	EA	4" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	74.94 9.93	11.36
23 21	13 23-1597	EA	4" x 1-1/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	475.07 78.48	11.65
23 21	13 23-1598	EA	4" x 1-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	368.35 60.00	12.36
23 21	13 23-1599	EA	4" x 2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	71.09 8.73	13.49
23 21	13 23-1600	EA	4" x 2-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	85.45 10.94	14.44
23 21	13 23-1601	EA	4" x 3" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	87.11 10.94	15.56
23 21	13 23-1602	EA	4" x 3-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	88.78 10.94	16.65
23 21	13 23-1603	EA	5" x 2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	667.48 110.44	15.68
23 21	13 23-1604	EA	5" x 2-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	524.60 85.69	16.65
23 21	13 23-1605	EA	5" x 3" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	101.34 12.81	17.77
23 21	13 23-1606	EA	5" x 4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	119.17 15.30	19.97
23 21	13 23-1607	EA	6" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	144.03 22.14	16.94



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1608	EA	6" x 1-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	703.92 126.34	17.89
23 21	13 23-1609	EA	6" x 2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	147.14 22.14	19.02
23 21	13 23-1610	EA	6" x 2-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	710.90 127.06	19.97
23 21	13 23-1611	EA	6" x 3" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	150.27 22.14	21.09
23 21	13 23-1612	EA	6" x 4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	138.27 19.28	23.30
23 21	13 23-1613	EA	6" x 5" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	191.15 28.52	25.55
23 21	13 23-1614	EA	8" x 3" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	247.78 39.56	23.88
23 21	13 23-1615	EA	8" x 4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	251.11 39.56	26.09
23 21	13 23-1616	EA	8" x 5" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	254.44 39.56	28.30
23 21	13 23-1617	EA	8" x 6" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	317.79 50.45	31.62
23 21	13 23-1618	EA	10" x 4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	548.24 94.19	29.01
23 21	13 23-1619	EA	10" x 5" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,159.48 207.62	31.21
23 21	13 23-1620	EA	10" x 6" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	603.78 103.00	34.54
23 21	13 23-1621	EA	10" x 8" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	607.94 103.00	37.32
23 21	13 23-1622	EA	12" x 4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,720.43 250.64	33.04
23 21	13 23-1623	EA	12" x 6" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	716.18 98.75	38.57
23 21	13 23-1624	EA	12" x 8" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,050.95 148.34	41.36
23 21	13 23-1625	EA	12" x 10" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,055.33 148.34	44.27
23 21	13 23-1626	EA	14" x 6" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,417.83 103.01	41.57
23 21	13 23-1627	EA	14" x 8" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,036.06 60.47	44.36
23 21	13 23-1628	EA	14" x 10" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,733.84 51.05	47.27
23 21	13 23-1629	EA	14" x 12" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,739.87 51.05	51.27
23 21	13 23-1630	EA	16" x 8" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,105.54 93.16	47.31
23 21	13 23-1631	EA	16" x 10" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,880.97 86.13	50.22
23 21	13 23-1632	EA	16" x 12" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,662.60 79.24	54.26
23 21	13 23-1633	EA	16" x 14" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	2,667.09 79.24	57.25
23 21	13 23-1634	EA	18" x 10" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	4,041.26 121.63	53.01
23 21	13 23-1635	EA	18" x 12" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,657.65 109.67	57.01
23 21	13 23-1636	EA	18" x 14" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,323.85 99.28	60.00
23 21	13 23-1637	EA	18" x 16" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,328.35 99.28	63.04
23 21	13 23-1638	EA	20" x 10" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	4,448.73 134.07	54.39
23 21	13 23-1639	EA	20" x 12" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,810.92 114.31	58.42
23 21	13 23-1640	EA	20" x 14" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,815.41 114.31	61.42
23 21	13 23-1641	EA	20" x 16" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,399.76 101.41	64.38
23 21	13 23-1642	EA	20" x 18" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,623.23 108.14	67.16
23 21	13 23-1643	EA	24" x 10" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	9,822.39 298.76	60.51
23 21	13 23-1644	EA	24" x 12" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	9,593.42 291.55	64.54
23 21	13 23-1645	EA	24" x 14" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	8,357.84 253.48	67.50
23 21	13 23-1646	EA	24" x 16" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	8,362.37 253.48	70.53
23 21	13 23-1647	EA	24" x 18" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	7,157.37 216.36	73.28
23 21	13 23-1648	EA	24" x 20" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	6,535.22 197.19	74.69
23 21	13 23-1649		Grooved Eccentric Reducers (23 21 13 23-1555) Note: Victaulic No. 51		
23 21	13 23-1650	EA	1-1/2" x 3/4" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	219.15 25.32	5.70

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1651	EA	1-1/2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	199.07 22.85	5.95
23 21	13 23-1652	EA	1-1/2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	195.33 22.35	6.24
23 21	13 23-1653	EA	2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	419.45 49.19	6.78
23 21	13 23-1654	EA	2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	220.54 25.23	7.07
23 21	13 23-1655	EA	2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	241.17 27.66	7.37
23 21	13 23-1656	EA	2" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	204.95 23.16	8.20
23 21	13 23-1657	EA	2-1/2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	545.72 64.22	7.66
23 21	13 23-1658	EA	2-1/2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	509.61 59.83	7.94
23 21	13 23-1659	EA	2-1/2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	301.37 34.75	8.20
23 21	13 23-1660	EA	2-1/2" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	242.58 27.53	9.03
23 21	13 23-1661	EA	2-1/2" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	107.46 11.09	10.11
23 21	13 23-1662	EA	3" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	547.62 64.17	9.16
23 21	13 23-1663	EA	3" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	497.46 58.10	9.44
23 21	13 23-1664	EA	3" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	280.12 31.84	10.11
23 21	13 23-1665	EA	3" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	122.88 12.74	11.24
23 21	13 23-1666	EA	3" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	126.11 12.74	13.39
23 21	13 23-1667	EA	3-1/2" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	608.24 70.51	14.44
23 21	13 23-1668	EA	4" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,099.26 185.60	11.36
23 21	13 23-1669	EA	4" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	673.02 112.25	12.36
23 21	13 23-1670	EA	4" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	149.82 22.23	13.49
23 21	13 23-1671	EA	4" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	151.28 22.23	14.44
23 21	13 23-1672	EA	4" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	152.94 22.23	15.56
23 21	13 23-1673	EA	5" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	745.23 123.77	15.68
23 21	13 23-1674	EA	5" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	639.85 105.45	16.65
23 21	13 23-1675	EA	5" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	620.55 101.86	17.77
23 21	13 23-1676	EA	5" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	206.54 30.28	19.97
23 21	13 23-1677	EA	6" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,147.33 209.35	16.94
23 21	13 23-1678	EA	6" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,051.66 190.92	19.02
23 21	13 23-1679	EA	6" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,248.31 227.34	19.97
23 21	13 23-1680	EA	6" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	266.73 43.87	21.09
23 21	13 23-1681	EA	6" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	240.73 38.40	23.30
23 21	13 23-1682	EA	6" x 5" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	285.14 46.06	25.55
23 21	13 23-1683	EA	8" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,224.58 221.83	23.88
23 21	13 23-1684	EA	8" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,078.05 193.87	26.09
23 21	13 23-1685	EA	8" x 5" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,009.73 180.50	28.30
23 21	13 23-1686	EA	8" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	464.71 77.86	31.62
23 21	13 23-1687	EA	10" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,949.96 355.75	29.01
23 21	13 23-1688	EA	10" x 5" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,843.01 335.17	31.21
23 21	13 23-1689	EA	10" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,406.30 252.75	34.54
23 21	13 23-1690	EA	10" x 8" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,202.37 213.92	37.32
23 21	13 23-1691	EA	12" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,988.07 292.53	33.04
23 21	13 23-1692	EA	12" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,867.32 273.05	38.57
23 21	13 23-1693	EA	12" x 8" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,825.19 266.07	41.36
23 21	13 23-1694	EA	12" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,645.67 238.31	44.27



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1695	EA	14" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,628.00 140.17	41.57
23 21	13 23-1696	EA	14" x 8" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,985.44 89.61	44.36
23 21	13 23-1697	EA	14" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,849.49 85.30	47.27
23 21	13 23-1698	EA	14" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,855.52 85.30	51.27
23 21	13 23-1699	EA	16" x 8" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,113.16 154.80	47.31
23 21	13 23-1700	EA	16" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,734.70 143.04	50.22
23 21	13 23-1701	EA	16" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,459.48 134.41	54.26
23 21	13 23-1702	EA	16" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,463.97 134.41	57.25
23 21	13 23-1703	EA	18" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,416.68 194.55	53.01
23 21	13 23-1704	EA	18" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,036.11 182.68	57.01
23 21	13 23-1705	EA	18" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,496.42 165.98	60.00
23 21	13 23-1706	EA	18" x 16" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,500.92 165.98	63.04
23 21	13 23-1707	EA	20" x 10" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	8,432.46 256.37	54.39
23 21	13 23-1708	EA	20" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,264.66 189.64	58.42
23 21	13 23-1709	EA	20" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,882.99 177.78	61.42
23 21	13 23-1710	EA	20" x 16" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,793.72 174.90	64.38
23 21	13 23-1711	EA	20" x 18" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,579.65 168.20	67.16
23 21	13 23-1712	EA	24" x 12" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	12,185.80 371.13	64.54
23 21	13 23-1713	EA	24" x 14" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	10,404.51 316.31	67.50
23 21	13 23-1714	EA	24" x 16" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	10,409.04 316.31	70.53
23 21	13 23-1715	EA	24" x 18" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	9,828.30 298.36	73.28
23 21	13 23-1716	EA	24" x 20" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	8,980.56 272.27	74.69
23 21	13 23-1717		Close Nipple, Grooved (23 21 13 23-1555) Note: Victaulic No. 143		
23 21	13 23-1718	EA	1-1/4" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	30.61 4.01 3.34 5.71	5.49
23 21	13 23-1719	EA	1-1/2" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	34.70 4.37 3.64 6.22	6.87
23 21	13 23-1720	EA	2" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	43.01 5.27 4.39 7.50	9.07
23 21	13 23-1721	EA	2-1/2" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	51.25 6.23 5.19 8.86	10.98
23 21	13 23-1722		Grooved Couplings (23 21 13 23-1312)		
23 21	13 23-1723		Flexible Grooved Coupling (23 21 13 23-1722) Note: Victaulic Style 77		
23 21	13 23-1724	EA	3/4" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	25.04 6.06	2.25
23 21	13 23-1725	EA	1" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	25.04 6.06	2.25
23 21	13 23-1726	EA	1-1/4" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	33.03 8.06	2.83
23 21	13 23-1727	EA	1-1/2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	36.54 8.81	3.37
23 21	13 23-1728	EA	2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	40.04 9.31	4.54
23 21	13 23-1729	EA	2-1/2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	48.07 11.14	5.53
23 21	13 23-1730	EA	3" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	49.68 11.14	6.62
23 21	13 23-1731	EA	3-1/2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	75.73 17.95	7.74
23 21	13 23-1732	EA	4" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	77.36 17.95	8.82

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1733	EA	5" Standard Coupling, Grooved	114.85	11.06
			<i>For Galvanized Fittings, Add</i>	27.52	
23 21	13 23-1734	EA	6" Standard Coupling, Grooved	137.85	14.44
			<i>For Galvanized Fittings, Add</i>	32.53	
23 21	13 23-1735	EA	8" Standard Coupling, Grooved	215.19	17.22
			<i>For Galvanized Fittings, Add</i>	53.03	
23 21	13 23-1736	EA	10" Standard Coupling, Grooved	345.71	20.64
			<i>For Galvanized Fittings, Add</i>	88.13	
23 21	13 23-1737	EA	12" Standard Coupling, Grooved	392.22	22.59
			<i>For Galvanized Fittings, Add</i>	100.34	
23 21	13 23-1738	EA	14" Standard Coupling, Grooved	480.50	30.13
			<i>For Galvanized Fittings, Add</i>	121.90	
23 21	13 23-1739	EA	16" Standard Coupling, Grooved	625.22	36.16
			<i>For Galvanized Fittings, Add</i>	159.89	
23 21	13 23-1740	EA	18" Standard Coupling, Grooved	728.97	40.15
			<i>For Galvanized Fittings, Add</i>	187.26	
23 21	13 23-1741	EA	20" Standard Coupling, Grooved	1,119.82	45.19
			<i>For Galvanized Fittings, Add</i>	294.59	
23 21	13 23-1742	EA	24" Standard Coupling, Grooved	1,237.13	55.59
			<i>For Galvanized Fittings, Add</i>	323.06	
23 21	13 23-1743		Zero-Flex® Rigid Coupling <small>(23 21 13 23-1722)</small>		
			Note: Victaulic Style 07		
23 21	13 23-1744	EA	1" Rigid Coupling, Grooved	33.50	2.25
			<i>For Galvanized Fittings, Add</i>	7.37	
23 21	13 23-1745	EA	1-1/4" Rigid Coupling, Grooved	34.35	2.83
			<i>For Galvanized Fittings, Add</i>	7.37	
23 21	13 23-1746	EA	1-1/2" Rigid Coupling, Grooved	35.18	3.37
			<i>For Galvanized Fittings, Add</i>	7.37	
23 21	13 23-1747	EA	2" Rigid Coupling, Grooved	37.66	4.54
			<i>For Galvanized Fittings, Add</i>	7.56	
23 21	13 23-1748	EA	2-1/2" Rigid Coupling, Grooved	43.86	5.53
			<i>For Galvanized Fittings, Add</i>	8.72	
23 21	13 23-1749	EA	3" Rigid Coupling, Grooved	45.47	6.62
			<i>For Galvanized Fittings, Add</i>	8.72	
23 21	13 23-1750	EA	3-1/2" Rigid Coupling, Grooved	53.20	7.74
			<i>For Galvanized Fittings, Add</i>	10.19	
23 21	13 23-1751	EA	4" Rigid Coupling, Grooved	72.17	8.82
			<i>For Galvanized Fittings, Add</i>	14.44	
23 21	13 23-1752	EA	5" Rigid Coupling, Grooved	93.09	11.06
			<i>For Galvanized Fittings, Add</i>	18.75	
23 21	13 23-1753	EA	6" Rigid Coupling, Grooved	123.95	14.44
			<i>For Galvanized Fittings, Add</i>	25.06	
23 21	13 23-1754	EA	8" Rigid Coupling, Grooved	186.95	17.22
			<i>For Galvanized Fittings, Add</i>	39.48	
23 21	13 23-1755	EA	10" Rigid Coupling, Grooved	319.69	20.64
			<i>For Galvanized Fittings, Add</i>	70.74	
23 21	13 23-1756	EA	12" Rigid Coupling, Grooved	356.96	22.59
			<i>For Galvanized Fittings, Add</i>	79.16	
23 21	13 23-1757	EA	14" Rigid Coupling, Grooved	467.28	30.13
			<i>For Galvanized Fittings, Add</i>	103.42	
23 21	13 23-1758	EA	16" Rigid Coupling, Grooved	604.73	36.16
			<i>For Galvanized Fittings, Add</i>	134.88	
23 21	13 23-1759	EA	18" Rigid Coupling, Grooved	696.65	40.15
			<i>For Galvanized Fittings, Add</i>	155.93	
23 21	13 23-1760	EA	20" Rigid Coupling, Grooved	825.46	45.19
			<i>For Galvanized Fittings, Add</i>	185.64	
23 21	13 23-1761	EA	24" Rigid Coupling, Grooved	1,199.44	55.59
			<i>For Galvanized Fittings, Add</i>	273.44	
23 21	13 23-1762		Large Diameter Grooved Coupling <small>(23 21 13 23-1722)</small>		
			Note: Victaulic Style 770		
23 21	13 23-1763	EA	28" Coupling, Grooved	1,355.84	11.06
			<i>For Galvanized Fittings, Add</i>	187.50	
23 21	13 23-1764	EA	30" Coupling, Grooved	1,563.59	14.44
			<i>For Galvanized Fittings, Add</i>	215.87	
23 21	13 23-1765	EA	32" Coupling, Grooved	2,334.93	17.22
			<i>For Galvanized Fittings, Add</i>	323.28	
23 21	13 23-1766	EA	36" Coupling, Grooved	3,107.27	20.64
			<i>For Galvanized Fittings, Add</i>	430.68	
23 21	13 23-1767	EA	42" Coupling, Grooved	6,255.41	22.59
			<i>For Galvanized Fittings, Add</i>	871.02	
23 21	13 23-1768		Flexible Coupling <small>(23 21 13 23-1722)</small>		
			Note: Victaulic Style 75		
23 21	13 23-1769	EA	1-1/2" Flexible Coupling, Grooved	32.44	3.37
			<i>For Galvanized Fittings, Add</i>	7.00	
23 21	13 23-1770	EA	2" Flexible Coupling, Grooved	34.86	4.54
			<i>For Galvanized Fittings, Add</i>	7.18	
23 21	13 23-1771	EA	2-1/2" Flexible Coupling, Grooved	40.80	5.53
			<i>For Galvanized Fittings, Add</i>	8.33	
23 21	13 23-1772	EA	3" Flexible Coupling, Grooved	47.70	6.62
			<i>For Galvanized Fittings, Add</i>	9.68	
23 21	13 23-1773	EA	3-1/2" Flexible Coupling, Grooved	65.18	7.74
			<i>For Galvanized Fittings, Add</i>	13.71	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1774	EA	4" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	66.81 13.71	8.82
23 21	13 23-1775	EA	5" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	93.85 19.78	11.06
23 21	13 23-1776	EA	6" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	114.77 23.83	14.44
23 21	13 23-1777	EA	8" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	172.15 37.46	17.22
23 21 13 23-1778 Installation-Ready™ Coupling (23 21 13 23-1722)					
Note: Victaulic Style 009N					
23 21	13 23-1779	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	42.45 10.05	2.10
23 21	13 23-1780	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	43.89 10.26	2.51
23 21	13 23-1781	EA	2" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	50.46 11.61	3.37
23 21	13 23-1782	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	58.43 13.37	4.09
23 21	13 23-1783	EA	3" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	66.55 15.13	4.91
23 21	13 23-1784	EA	4" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	92.94 21.25	6.57
23 21	13 23-1785	EA	5" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	148.19 34.75	8.21
23 21	13 23-1786	EA	6" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	178.48 41.53	10.74
23 21	13 23-1787	EA	8" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	290.36 69.38	12.77
23 21 13 23-1788 Grooved Strainers And Suction Diffusers (23 21 13 23-1312)					
23 21 13 23-1789 Grooved Wye Strainers (23 21 13 23-1788)					
Note: Victaulic Style 732					
23 21	13 23-1790	EA	2" Wye Strainer, Grooved	641.11	9.16
23 21	13 23-1791	EA	2-1/2" Wye Strainer, Grooved	675.71	11.11
23 21	13 23-1792	EA	3" Wye Strainer, Grooved	760.41	13.31
23 21	13 23-1793	EA	4" Wye Strainer, Grooved	864.50	17.77
23 21	13 23-1794	EA	5" Wye Strainer, Grooved	1,247.04	22.22
23 21	13 23-1795	EA	6" Wye Strainer, Grooved	1,361.19	28.88
23 21	13 23-1796	EA	8" Wye Strainer, Grooved	2,071.93	34.42
23 21	13 23-1797	EA	10" Wye Strainer, Grooved	3,307.98	40.24
23 21	13 23-1798	EA	12" Wye Strainer, Grooved	5,745.84	48.31
23 21 13 23-1799 Grooved Tee Type Strainers (23 21 13 23-1788)					
Note: Victaulic Style 730					
23 21	13 23-1800	EA	1-1/2" Tee Type Strainer, Grooved	494.54	6.95
23 21	13 23-1801	EA	2" Tee Type Strainer, Grooved	633.37	9.16
23 21	13 23-1802	EA	2-1/2" Tee Type Strainer, Grooved	667.67	11.11
23 21	13 23-1803	EA	3" Tee Type Strainer, Grooved	751.32	13.31
23 21	13 23-1804	EA	4" Tee Type Strainer, Grooved	854.19	17.77
23 21	13 23-1805	EA	5" Tee Type Strainer, Grooved	1,232.03	22.22
23 21	13 23-1806	EA	6" Tee Type Strainer, Grooved	1,345.01	28.88
23 21	13 23-1807	EA	8" Tee Type Strainer, Grooved	2,046.87	34.42
23 21	13 23-1808	EA	10" Tee Type Strainer, Grooved	2,990.80	40.24
23 21	13 23-1809	EA	12" Tee Type Strainer, Grooved	3,844.72	48.31
23 21	13 23-1810	EA	14" Tee Type Strainer, Grooved	13,528.00	54.39
23 21	13 23-1811	EA	16" Tee Type Strainer, Grooved	16,802.24	60.21
23 21	13 23-1812	EA	18" Tee Type Strainer, Grooved	22,079.69	65.78
23 21 13 23-1813 Grooved Suction Diffuser (23 21 13 23-1788)					
Note: Victaulic Style 731					
23 21	13 23-1814	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	1,302.07	10.27
23 21	13 23-1815	EA	3" Grooved x 2" Flanged Suction Diffuser	1,382.47	11.36
23 21	13 23-1816	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	1,001.62	13.31
23 21	13 23-1817	EA	3" Grooved x 3" Flanged Suction Diffuser	1,016.23	14.44
23 21	13 23-1818	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	1,100.16	14.44
23 21	13 23-1819	EA	4" Grooved x 3" Flanged Suction Diffuser	1,186.92	15.56
23 21	13 23-1820	EA	4" Grooved x 4" Flanged Suction Diffuser	1,371.05	15.56
23 21	13 23-1821	EA	5" Grooved x 4" Flanged Suction Diffuser	1,532.11	19.97
23 21	13 23-1822	EA	5" Grooved x 5" Flanged Suction Diffuser	1,610.01	21.09
23 21	13 23-1823	EA	6" Grooved x 4" Flanged Suction Diffuser	1,636.56	23.30
23 21	13 23-1824	EA	6" Grooved x 5" Flanged Suction Diffuser	1,954.20	25.55
23 21	13 23-1825	EA	6" Grooved x 6" Flanged Suction Diffuser	2,030.09	27.21
23 21	13 23-1826	EA	8" Grooved x 5" Flanged Suction Diffuser	2,083.22	28.30
23 21	13 23-1827	EA	8" Grooved x 6" Flanged Suction Diffuser	2,199.43	31.62
23 21	13 23-1828	EA	8" Grooved x 8" Flanged Suction Diffuser	3,754.90	34.42
23 21	13 23-1829	EA	10" Grooved x 8" Flanged Suction Diffuser	4,234.67	37.20
23 21	13 23-1830	EA	10" Grooved x 10" Flanged Suction Diffuser	5,093.20	38.57
23 21	13 23-1831	EA	12" Grooved x 10" Flanged Suction Diffuser	6,026.70	44.40
23 21	13 23-1832	EA	12" Grooved x 12" Flanged Suction Diffuser	8,361.19	47.18
23 21	13 23-1833	EA	14" Grooved x 10" Flanged Suction Diffuser	7,786.50	47.18

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1834	EA	14" Grooved x 12" Flanged Suction Diffuser.....	8,695.80	51.35
23 21	13 23-1835	EA	14" Grooved x 14" Flanged Suction Diffuser.....	10,547.90	54.39
23 21	13 23-1836	EA	16" Grooved x 14" Flanged Suction Diffuser.....	10,859.68	57.17
23 21	13 23-1837		Grooved Steel Valves (23 21 13 23-1312)		
23 21	13 23-1838		Grooved Butterfly Valves With Standard Trim (23 21 13 23-1837)		
23 21	13 23-1839	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim.....	194.94	4.54
23 21	13 23-1840	EA	2" Butterfly Valve, Grooved, With Standard Trim.....	197.09	5.95
23 21	13 23-1841	EA	3" Butterfly Valve, Grooved, With Standard Trim.....	324.58	8.82
23 21	13 23-1842	EA	4" Butterfly Valve, Grooved, With Standard Trim.....	436.28	11.61
23 21	13 23-1843	EA	6" Butterfly Valve, Grooved, With Standard Trim.....	960.28	19.02
23 21	13 23-1844	EA	8" Butterfly Valve, Grooved, With Standard Trim.....	1,330.26	26.76
23 21	13 23-1845	EA	10" Butterfly Valve, Grooved, With Standard Trim.....	2,002.81	36.16
23 21	13 23-1846		Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-1837)		
23 21	13 23-1847	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	295.73	4.54
23 21	13 23-1848	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	297.88	5.95
23 21	13 23-1849	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim.....	461.21	8.82
23 21	13 23-1850	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim.....	586.35	11.61
23 21	13 23-1851	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,126.02	19.02
23 21	13 23-1852	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,876.77	26.76
23 21	13 23-1853	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim.....	2,965.92	36.16
23 21	13 23-1854		Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1837)		
			Note: Victaulic No. 721		
23 21	13 23-1855	EA	1-1/2" Ball Valve, Grooved, With Standard Trim.....	163.62	4.45
23 21	13 23-1856	EA	2" Ball Valve, Grooved, With Standard Trim.....	186.48	6.12
23 21	13 23-1857	EA	2-1/2" Ball Valve, Grooved, With Standard Trim.....	433.28	7.49
23 21	13 23-1858	EA	3" Ball Valve, Grooved, With Standard Trim.....	714.78	8.87
23 21	13 23-1859	EA	4" Ball Valve, Grooved, With Standard Trim.....	1,115.75	11.65
23 21	13 23-1860	EA	6" Ball Valve, Grooved, With Standard Trim.....	3,490.41	19.14
23 21	13 23-1861		Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-1837)		
			Note: Victaulic No. 721		
23 21	13 23-1862	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	174.65	4.45
23 21	13 23-1863	EA	2" Ball Valve, Grooved, With Stainless Steel Trim.....	301.07	6.12
23 21	13 23-1864	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	794.61	7.49
23 21	13 23-1865	EA	3" Ball Valve, Grooved, With Stainless Steel Trim.....	1,028.62	8.87
23 21	13 23-1866	EA	4" Ball Valve, Grooved, With Stainless Steel Trim.....	1,405.76	11.65
23 21	13 23-1867	EA	6" Ball Valve, Grooved, With Stainless Steel Trim.....	3,849.77	19.14
23 21	13 23-1868		Grooved Check Valves (23 21 13 23-1837)		
			Note: Victaulic No. 712		
23 21	13 23-1869	EA	2" Check Valve, Grooved.....	249.57	6.12
23 21	13 23-1870	EA	2-1/2" Check Valve, Grooved.....	407.81	7.49
23 21	13 23-1871	EA	3" Check Valve, Grooved.....	475.02	8.87
23 21	13 23-1872	EA	4" Check Valve, Grooved.....	674.44	11.65
23 21	13 23-1873		Grooved Vic-Check Check Valves (23 21 13 23-1837)		
			Note: Victaulic No. 716		
23 21	13 23-1874	EA	2-1/2" "Vic-Check" Check Valve, Grooved.....	324.01	7.49
23 21	13 23-1875	EA	3" "Vic-Check" Check Valve, Grooved.....	326.03	8.87
23 21	13 23-1876	EA	4" "Vic-Check" Check Valve, Grooved.....	407.90	11.65
23 21	13 23-1877	EA	6" "Vic-Check" Check Valve, Grooved.....	799.71	19.14
23 21	13 23-1878	EA	8" "Vic-Check" Check Valve, Grooved.....	1,093.71	26.64
23 21	13 23-1879	EA	10" "Vic-Check" Check Valve, Grooved.....	3,103.99	36.08
23 21	13 23-1880	EA	12" "Vic-Check" Check Valve, Grooved.....	3,677.04	41.65
23 21	13 23-1881		Grooved Plug Valves With Lever Operator (23 21 13 23-1837)		
			Note: Victaulic No. 377		
23 21	13 23-1882	EA	3" Balancing Plug Valve, Grooved, With Lever Handle.....	392.92	8.87
23 21	13 23-1883	EA	4" Balancing Plug Valve, Grooved, With Lever Handle.....	435.22	11.65
23 21	13 23-1884	EA	6" Balancing Plug Valve, Grooved, With Lever Handle.....	777.83	19.14
23 21	13 23-1885		Grooved Plug Valve With Gear Operator (23 21 13 23-1837)		
			Note: Victaulic No. 377		
23 21	13 23-1886	EA	3" Balancing Plug Valve, Grooved, With Gear Operator.....	699.11	8.87
23 21	13 23-1887	EA	4" Balancing Plug Valve, Grooved, With Gear Operator.....	741.45	11.65
23 21	13 23-1888	EA	6" Balancing Plug Valve, Grooved, With Gear Operator.....	1,084.06	19.14
23 21	13 23-1889	EA	8" Balancing Plug Valve, Grooved, With Gear Operator.....	1,449.64	26.64
23 21	13 23-1890	EA	10" Balancing Plug Valve, Grooved, With Gear Operator.....	2,277.25	36.08
23 21	13 23-1891	EA	12" Balancing Plug Valve, Grooved, With Gear Operator.....	3,300.72	41.65
23 21	13 23-1892		Prepare Pipe For Groove (23 21 13 23-1312)		



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

23 21 13 23-1893

Cut Grooved Pipe (23 21 13 23-1892)

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

Table with 4 columns: Item ID, Description, Unit, and Cost. Lists various cut groove pipe sizes from 3/4" to 24" with corresponding costs.

23 21 13 23-1913

Roll Grooved Pipe (23 21 13 23-1892)

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

Table with 4 columns: Item ID, Description, Unit, and Cost. Lists various roll groove pipe sizes from 3/4" to 24" with corresponding costs.

23 21 13 23-1933

Standard Gaskets (23 21 13 23-1892)

Note: For use on replacement of existing gaskets.

Table with 4 columns: Item ID, Description, Unit, and Cost. Lists various standard gasket sizes from 3/4" to 24" with corresponding costs.

23 21 13 23-1953

Copper Grooved-Joint Pipe Fittings (23 21 13 23)

Note: Couplings are not included with fittings.

23 21 13 23-1954

Grooved Fittings (23 21 13 23-1953)

23 21 13 23-1955

Grooved 90 Degree Elbows (23 21 13 23-1954)

Table with 4 columns: Item ID, Description, Unit, and Cost. Lists various copper 90 degree elbow fittings from 2" to 8" with corresponding costs.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1963		Grooved 45 Degree Elbows (23 21 13 23-1954)		
23 21	13 23-1964	EA	2" Copper 45 Degree Elbow, Grooved.....	34.69	6.78
23 21	13 23-1965	EA	2-1/2" Copper 45 Degree Elbow, Grooved.....	39.55	8.28
23 21	13 23-1966	EA	3" Copper 45 Degree Elbow, Grooved.....	52.61	10.03
23 21	13 23-1967	EA	4" Copper 45 Degree Elbow, Grooved.....	102.66	13.23
23 21	13 23-1968	EA	5" Copper 45 Degree Elbow, Grooved.....	251.08	16.57
23 21	13 23-1969	EA	6" Copper 45 Degree Elbow, Grooved.....	391.83	21.68
23 21	13 23-1970	EA	8" Copper 45 Degree Elbow, Grooved.....	706.60	25.80
23 21	13 23-1971		Grooved Tees (23 21 13 23-1954)		
23 21	13 23-1972	EA	2" Copper Tee, Grooved.....	55.25	9.99
23 21	13 23-1973	EA	2-1/2" Copper Tee, Grooved.....	62.07	12.28
23 21	13 23-1974	EA	3" Copper Tee, Grooved.....	86.49	15.07
23 21	13 23-1975	EA	4" Copper Tee, Grooved.....	163.65	19.47
23 21	13 23-1976	EA	5" Copper Tee, Grooved.....	402.54	25.47
23 21	13 23-1977	EA	6" Copper Tee, Grooved.....	498.57	31.87
23 21	13 23-1978	EA	8" Copper Tee, Grooved.....	854.63	38.70
23 21	13 23-1979		Grooved Reducing Tees (23 21 13 23-1954)		
23 21	13 23-1980	EA	2-1/2" Copper Tee, Reducing, Grooved.....	81.24	12.28
23 21	13 23-1981	EA	3" Copper Tee, Reducing, Grooved.....	97.07	15.07
23 21	13 23-1982	EA	4" Copper Tee, Reducing, Grooved.....	203.51	19.51
23 21	13 23-1983	EA	5" Copper Tee, Reducing, Grooved.....	555.20	25.51
23 21	13 23-1984	EA	6" Copper Tee, Reducing, Grooved.....	679.75	31.87
23 21	13 23-1985		Grooved X Cup Reducing Tees (23 21 13 23-1954)		
23 21	13 23-1986	EA	2" Copper Tee, Reducing, Grooved X Cup.....	65.39	9.99
23 21	13 23-1987	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup.....	81.34	12.28
23 21	13 23-1988	EA	3" Copper Tee, Reducing, Grooved X Cup.....	97.07	15.07
23 21	13 23-1989	EA	4" Copper Tee, Reducing, Grooved X Cup.....	203.51	19.47
23 21	13 23-1990		Grooved Flanged Adapter Nipples (23 21 13 23-1954)		
23 21	13 23-1991	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	125.59	7.37
23 21	13 23-1992	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	132.53	8.95
23 21	13 23-1993	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	142.34	10.70
23 21	13 23-1994	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	161.53	14.40
23 21	13 23-1995	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	213.56	17.44
23 21	13 23-1996	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	241.98	23.56
23 21	13 23-1997		Grooved Concentric Reducers (23 21 13 23-1954)		
23 21	13 23-1998	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved.....	45.96	7.57
23 21	13 23-1999	EA	3" x 2" Copper Concentric Reducer, Grooved.....	47.62	8.45
23 21	13 23-2000	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved.....	50.85	10.03
23 21	13 23-2001	EA	4" x 2" Copper Concentric Reducer, Grooved.....	84.24	10.11
23 21	13 23-2002	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved.....	85.70	10.82
23 21	13 23-2003	EA	4" x 3" Copper Concentric Reducer, Grooved.....	87.36	11.65
23 21	13 23-2004	EA	5" x 3" Copper Concentric Reducer, Grooved.....	208.78	13.31
23 21	13 23-2005	EA	5" x 4" Copper Concentric Reducer, Grooved.....	212.10	14.98
23 21	13 23-2006	EA	6" x 3" Copper Concentric Reducer, Grooved.....	228.85	15.82
23 21	13 23-2007	EA	6" x 4" Copper Concentric Reducer, Grooved.....	232.17	17.48
23 21	13 23-2008	EA	6" x 5" Copper Concentric Reducer, Grooved.....	235.51	19.14
23 21	13 23-2009	EA	8" x 6" Copper Concentric Reducer, Grooved.....	394.47	23.72
23 21	13 23-2010		Grooved X Cup Concentric Reducers (23 21 13 23-1954)		
23 21	13 23-2011	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup.....	36.17	5.33
23 21	13 23-2012	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	36.58	5.53
23 21	13 23-2013	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	37.86	6.16
23 21	13 23-2014	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	43.21	5.95
23 21	13 23-2015	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	43.63	6.16
23 21	13 23-2016	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	44.86	6.78
23 21	13 23-2017	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	46.52	7.57
23 21	13 23-2018	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	54.15	7.57
23 21	13 23-2019	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup.....	55.81	8.45
23 21	13 23-2020	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup.....	93.59	10.07
23 21	13 23-2021		Grooved Standard Couplings (23 21 13 23-1954)		
23 21	13 23-2022	EA	2" Copper Standard Coupling, Grooved.....	20.36	3.41
23 21	13 23-2023	EA	2-1/2" Copper Standard Coupling, Grooved.....	23.73	4.16
23 21	13 23-2024	EA	3" Copper Standard Coupling, Grooved.....	27.17	4.95
23 21	13 23-2025	EA	4" Copper Standard Coupling, Grooved.....	39.81	6.66
23 21	13 23-2026	EA	5" Copper Standard Coupling, Grooved.....	62.20	8.28
23 21	13 23-2027	EA	6" Copper Standard Coupling, Grooved.....	82.61	10.82
23 21	13 23-2028	EA	8" Copper Standard Coupling, Grooved.....	120.58	12.90



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2029			Grooved Caps (23 21 13 23-1954)		
23 21 13 23-2030	EA		2" Copper Cap, Grooved	21.19	3.41
23 21 13 23-2031	EA		2-1/2" Copper Cap, Grooved	24.49	4.16
23 21 13 23-2032	EA		3" Copper Cap, Grooved	30.28	4.95
23 21 13 23-2033	EA		4" Copper Cap, Grooved	54.37	6.62
23 21 13 23-2034	EA		5" Copper Cap, Grooved	208.26	8.28
23 21 13 23-2035	EA		6" Copper Cap, Grooved	366.08	10.82
23 21 13 23-2036			Grooved Valves (23 21 13 23-1953)		
23 21 13 23-2037			Grooved Butterfly Valves, Standard Trim, Without Operator (23 21 13 23-2036)		
			Note: Copper body.		
23 21 13 23-2038	EA		2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	323.78	4.45
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2039	EA		3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	365.88	6.62
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2040	EA		4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	483.72	8.69
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2041	EA		6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	641.41	14.28
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2042	EA		8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	700.36	20.06
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2043			Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-2036)		
			Note: Copper body.		
23 21 13 23-2044	EA		2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	397.09	4.45
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2045	EA		3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	439.24	6.62
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2046	EA		4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	557.07	8.69
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2047	EA		6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	714.81	14.28
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2048	EA		8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	773.71	20.06
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2049			Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23)		
			Note: Socket or back weld.		
23 21 13 23-2050			Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2049)		
			Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2051			Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2050)		
23 21 13 23-2052	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	2.00	1.19
			For Work In Restricted Working Space, Add	0.53	
23 21 13 23-2053	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	2.51	1.49
			For Work In Restricted Working Space, Add	0.67	
23 21 13 23-2054	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	2.79	1.58
			For Work In Restricted Working Space, Add	0.71	
23 21 13 23-2055	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	3.10	1.70
			For Work In Restricted Working Space, Add	0.77	
23 21 13 23-2056	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	3.22	1.73
			For Work In Restricted Working Space, Add	0.78	
23 21 13 23-2057	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	3.96	2.08
			For Work In Restricted Working Space, Add	0.94	
23 21 13 23-2058	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.03	2.47
			For Work In Restricted Working Space, Add	1.11	
23 21 13 23-2059	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.20	2.98
			For Work In Restricted Working Space, Add	1.34	
23 21 13 23-2060	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	9.19	4.48
			For Work In Restricted Working Space, Add	2.01	
23 21 13 23-2061	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	13.28	5.97
			For Work In Restricted Working Space, Add	2.69	
23 21 13 23-2062	LF		8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	17.25	7.11
			For Work In Restricted Working Space, Add	3.20	
23 21 13 23-2063	LF		10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	32.05	7.94
			For Work In Restricted Working Space, Add	3.57	
23 21 13 23-2064			Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2050)		
23 21 13 23-2065	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	7.00	4.50
			For Work In Restricted Working Space, Add	2.01	
23 21 13 23-2066	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	9.36	5.95
			For Work In Restricted Working Space, Add	2.69	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2067	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	11.83	7.41
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21	13 23-2068	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	17.06	10.49
			<i>For Work In Restricted Working Space, Add</i>	4.71	
23 21	13 23-2069	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	19.16	11.81
			<i>For Work In Restricted Working Space, Add</i>	5.31	
23 21	13 23-2070	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	24.76	15.03
			<i>For Work In Restricted Working Space, Add</i>	6.75	
23 21	13 23-2071	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	40.19	22.22
			<i>For Work In Restricted Working Space, Add</i>	9.99	
23 21	13 23-2072	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	52.09	29.21
			<i>For Work In Restricted Working Space, Add</i>	13.14	
23 21	13 23-2073	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	66.83	34.70
			<i>For Work In Restricted Working Space, Add</i>	15.61	
23 21	13 23-2074	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	94.89	39.66
			<i>For Work In Restricted Working Space, Add</i>	17.83	
23 21	13 23-2075	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	160.64	46.27
			<i>For Work In Restricted Working Space, Add</i>	20.81	
23 21	13 23-2076	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	240.20	68.99
			<i>For Work In Restricted Working Space, Add</i>	31.02	
23 21	13 23-2077		Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2050)		
23 21	13 23-2078	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	7.15	4.50
			<i>For Work In Restricted Working Space, Add</i>	2.01	
23 21	13 23-2079	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	9.66	5.95
			<i>For Work In Restricted Working Space, Add</i>	2.69	
23 21	13 23-2080	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	12.24	7.41
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21	13 23-2081	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	17.32	10.49
			<i>For Work In Restricted Working Space, Add</i>	4.71	
23 21	13 23-2082	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	19.75	11.81
			<i>For Work In Restricted Working Space, Add</i>	5.31	
23 21	13 23-2083	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	25.14	15.03
			<i>For Work In Restricted Working Space, Add</i>	6.75	
23 21	13 23-2084	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	40.19	22.22
			<i>For Work In Restricted Working Space, Add</i>	9.99	
23 21	13 23-2085	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	54.57	29.21
			<i>For Work In Restricted Working Space, Add</i>	13.14	
23 21	13 23-2086	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	71.34	34.70
			<i>For Work In Restricted Working Space, Add</i>	15.61	
23 21	13 23-2087	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	95.31	39.66
			<i>For Work In Restricted Working Space, Add</i>	17.83	
23 21	13 23-2088	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	155.66	46.27
			<i>For Work In Restricted Working Space, Add</i>	20.81	
23 21	13 23-2089	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	240.20	68.99
			<i>For Work In Restricted Working Space, Add</i>	31.02	
23 21	13 23-2090		Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2050)		
23 21	13 23-2091	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	11.44	7.41
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21	13 23-2092	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	13.80	8.95
			<i>For Work In Restricted Working Space, Add</i>	4.03	
23 21	13 23-2093	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	18.45	11.81
			<i>For Work In Restricted Working Space, Add</i>	5.31	
23 21	13 23-2094	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	23.67	15.03
			<i>For Work In Restricted Working Space, Add</i>	6.75	
23 21	13 23-2095	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	28.30	17.89
			<i>For Work In Restricted Working Space, Add</i>	8.06	
23 21	13 23-2096	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	35.38	22.22
			<i>For Work In Restricted Working Space, Add</i>	9.99	
23 21	13 23-2097	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	50.76	29.21
			<i>For Work In Restricted Working Space, Add</i>	13.14	
23 21	13 23-2098	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	61.13	34.70
			<i>For Work In Restricted Working Space, Add</i>	15.61	
23 21	13 23-2099	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	85.87	46.27
			<i>For Work In Restricted Working Space, Add</i>	20.81	
23 21	13 23-2100	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	145.17	59.67
			<i>For Work In Restricted Working Space, Add</i>	26.84	
23 21	13 23-2101	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	240.15	74.02
			<i>For Work In Restricted Working Space, Add</i>	33.29	
23 21	13 23-2102	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	671.36	110.61
			<i>For Work In Restricted Working Space, Add</i>	49.75	
23 21	13 23-2103		Schedule 40 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2050)		
23 21	13 23-2104	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	14.43	9.24
			<i>For Work In Restricted Working Space, Add</i>	4.16	
23 21	13 23-2105	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	17.38	11.20
			<i>For Work In Restricted Working Space, Add</i>	5.03	
23 21	13 23-2106	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	23.30	14.77
			<i>For Work In Restricted Working Space, Add</i>	6.64	
23 21	13 23-2107	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	29.97	18.76
			<i>For Work In Restricted Working Space, Add</i>	8.44	
23 21	13 23-2108	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	35.83	22.39
			<i>For Work In Restricted Working Space, Add</i>	10.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2109	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	44.89 12.48	27.75
23 21	13 23-2110	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	65.66 16.43	36.53
23 21	13 23-2111	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	79.30 19.50	43.36
23 21	13 23-2112	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	112.58 26.01	57.84
23 21	13 23-2113	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	199.11 33.54	74.57
23 21	13 23-2114	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	341.15 41.59	92.46
23 21	13 23-2115	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	999.86 62.22	138.32
23 21 13 23-2116 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2050)					
23 21	13 23-2117	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	9.22 2.69	5.95
23 21	13 23-2118	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	11.65 3.33	7.41
23 21	13 23-2119	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	16.44 4.71	10.49
23 21	13 23-2120	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	18.48 5.31	11.81
23 21	13 23-2121	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	23.79 6.75	15.03
23 21	13 23-2122	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	35.35 9.99	22.22
23 21	13 23-2123	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	46.90 13.14	29.21
23 21	13 23-2124	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	59.01 15.61	34.70
23 21	13 23-2125	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	76.81 17.83	39.66
23 21	13 23-2126	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	169.24 20.81	46.27
23 21	13 23-2127	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	191.46 24.17	53.72
23 21 13 23-2128 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2050)					
23 21	13 23-2129	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	7.33 2.01	4.50
23 21	13 23-2130	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	9.57 2.69	5.95
23 21	13 23-2131	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	11.86 3.33	7.41
23 21	13 23-2132	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	16.88 4.71	10.49
23 21	13 23-2133	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	19.07 5.31	11.81
23 21	13 23-2134	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	24.35 6.75	15.03
23 21	13 23-2135	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	35.97 9.99	22.22
23 21	13 23-2136	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	46.90 13.14	29.21
23 21	13 23-2137	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	59.01 15.61	34.70
23 21 13 23-2138 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2050)					
23 21	13 23-2139	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	7.54 2.01	4.50
23 21	13 23-2140	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	9.78 2.69	5.95
23 21	13 23-2141	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	12.27 3.33	7.41
23 21	13 23-2142	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	17.12 4.71	10.49
23 21	13 23-2143	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	19.60 5.31	11.81
23 21	13 23-2144	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	24.82 6.75	15.03
23 21	13 23-2145	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	36.51 9.99	22.22
23 21	13 23-2146	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	48.52 13.14	29.21
23 21	13 23-2147	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	58.07 15.61	34.70
23 21 13 23-2148 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2050)					

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
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23 21 13 23-2149	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	7.00	4.50
	<i>For Work In Restricted Working Space, Add</i>	2.01	
23 21 13 23-2150	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	9.33	5.95
	<i>For Work In Restricted Working Space, Add</i>	2.69	
23 21 13 23-2151	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	11.53	7.41
	<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21 13 23-2152	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	16.41	10.49
	<i>For Work In Restricted Working Space, Add</i>	4.71	
23 21 13 23-2153	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	18.54	11.81
	<i>For Work In Restricted Working Space, Add</i>	5.31	
23 21 13 23-2154	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	23.61	15.03
	<i>For Work In Restricted Working Space, Add</i>	6.75	
23 21 13 23-2155	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	38.16	22.22
	<i>For Work In Restricted Working Space, Add</i>	9.99	
23 21 13 23-2156	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	50.35	29.21
	<i>For Work In Restricted Working Space, Add</i>	13.14	
23 21 13 23-2157	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	62.84	34.70
	<i>For Work In Restricted Working Space, Add</i>	15.61	
23 21 13 23-2158	Schedule 40 Polyvinyl Chloride (PVC) P-Traps (23 21 13 23-2050)		
23 21 13 23-2159	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps.....	11.31	6.12
	<i>For Work In Restricted Working Space, Add</i>	2.75	
23 21 13 23-2160	Schedule 40 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2050)		
23 21 13 23-2161	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	6.89	4.50
	<i>For Work In Restricted Working Space, Add</i>	2.01	
23 21 13 23-2162	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	9.19	5.95
	<i>For Work In Restricted Working Space, Add</i>	2.69	
23 21 13 23-2163	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	11.53	7.41
	<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21 13 23-2164	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	16.29	10.49
	<i>For Work In Restricted Working Space, Add</i>	4.71	
23 21 13 23-2165	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	18.36	11.81
	<i>For Work In Restricted Working Space, Add</i>	5.31	
23 21 13 23-2166	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	23.49	15.03
	<i>For Work In Restricted Working Space, Add</i>	6.75	
23 21 13 23-2167	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	35.53	22.22
	<i>For Work In Restricted Working Space, Add</i>	9.99	
23 21 13 23-2168	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	47.31	29.21
	<i>For Work In Restricted Working Space, Add</i>	13.14	
23 21 13 23-2169	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	57.12	34.70
	<i>For Work In Restricted Working Space, Add</i>	15.61	
23 21 13 23-2170	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	75.60	39.66
	<i>For Work In Restricted Working Space, Add</i>	17.83	
23 21 13 23-2171	EA 8" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	99.55	46.27
	<i>For Work In Restricted Working Space, Add</i>	20.81	
23 21 13 23-2172	EA 10" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	212.97	49.60
	<i>For Work In Restricted Working Space, Add</i>	22.30	
23 21 13 23-2173	Schedule 40 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2050)		
23 21 13 23-2174	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	12.58	7.41
	<i>For Work In Restricted Working Space, Add</i>	3.33	
23 21 13 23-2175	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	18.40	8.95
	<i>For Work In Restricted Working Space, Add</i>	4.03	
23 21 13 23-2176	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	23.28	11.81
	<i>For Work In Restricted Working Space, Add</i>	5.31	
23 21 13 23-2177	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	36.06	15.03
	<i>For Work In Restricted Working Space, Add</i>	6.75	
23 21 13 23-2178	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	41.01	17.89
	<i>For Work In Restricted Working Space, Add</i>	8.06	
23 21 13 23-2179	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	52.37	22.22
	<i>For Work In Restricted Working Space, Add</i>	9.99	
23 21 13 23-2180	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	78.43	29.21
	<i>For Work In Restricted Working Space, Add</i>	13.14	
23 21 13 23-2181	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	88.71	34.70
	<i>For Work In Restricted Working Space, Add</i>	15.61	
23 21 13 23-2182	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	142.11	46.27
	<i>For Work In Restricted Working Space, Add</i>	20.81	
23 21 13 23-2183	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	186.99	59.67
	<i>For Work In Restricted Working Space, Add</i>	26.84	
23 21 13 23-2184	EA 8" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	271.83	73.98
	<i>For Work In Restricted Working Space, Add</i>	33.27	
23 21 13 23-2185	EA 10" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	402.96	91.83
	<i>For Work In Restricted Working Space, Add</i>	41.31	
23 21 13 23-2186	Schedule 40 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2050)		
23 21 13 23-2187	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps.....	7.07	4.58
	<i>For Work In Restricted Working Space, Add</i>	2.05	
23 21 13 23-2188	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps.....	9.24	5.95
	<i>For Work In Restricted Working Space, Add</i>	2.69	
23 21 13 23-2189	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Caps.....	11.56	7.41
	<i>For Work In Restricted Working Space, Add</i>	3.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2190	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	16.65 4.80	10.69
23 21	13 23-2191	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	18.42 5.31	11.81
23 21	13 23-2192	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	23.35 6.75	15.03
23 21	13 23-2193	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	36.09 9.99	22.22
23 21	13 23-2194	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	46.84 13.14	29.21
23 21	13 23-2195	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	58.98 15.61	34.70
23 21	13 23-2196	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	76.10 17.83	39.66
23 21	13 23-2197	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	125.10 20.81	46.27
23 21	13 23-2198	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	280.61 22.30	49.60
23 21	13 23-2199		Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-2050)</small>		
23 21	13 23-2200	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges <i>For Work In Restricted Working Space, Add</i>	17.02 3.33	7.41
23 21	13 23-2201	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	22.50 4.03	8.95
23 21	13 23-2202	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	27.83 5.31	11.81
23 21	13 23-2203	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	32.90 6.75	15.03
23 21	13 23-2204	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	37.50 8.06	17.89
23 21	13 23-2205	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	47.45 9.99	22.22
23 21	13 23-2206	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	65.66 13.14	29.21
23 21	13 23-2207	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	76.15 15.61	34.70
23 21	13 23-2208	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	99.91 20.81	46.27
23 21	13 23-2209	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	137.50 26.84	59.67
23 21	13 23-2210	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	219.30 33.27	73.98
23 21	13 23-2211	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	381.81 41.25	91.71
23 21	13 23-2212		Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23-2049)</small> Note: ASTM D1785 with D2467 fittings.		
23 21	13 23-2213		Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2212)</small>		
23 21	13 23-2214	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	2.06 0.53	1.21
23 21	13 23-2215	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	2.59 0.67	1.50
23 21	13 23-2216	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	3.21 0.80	1.79
23 21	13 23-2217	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	3.86 0.94	2.08
23 21	13 23-2218	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.45 1.07	2.37
23 21	13 23-2219	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.75 1.34	3.00
23 21	13 23-2220	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.80 1.48	3.28
23 21	13 23-2221	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.87 1.61	3.58
23 21	13 23-2222	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	10.38 2.01	4.50
23 21	13 23-2223	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	15.92 2.69	5.95
23 21	13 23-2224	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	21.30 3.20	7.11
23 21	13 23-2225	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	44.23 3.45	7.66
23 21	13 23-2226		Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <small>(23 21 13 23-2212)</small>		
23 21	13 23-2227	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	7.77 2.01 1.01	4.50
23 21	13 23-2228	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	10.34 2.69 1.34	5.95
23 21	13 23-2229	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	13.33 3.33 1.66	7.41

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
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23 21 13 23-2230	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	18.68	10.49
		<i>For Work In Restricted Working Space, Add</i>	4.71	
		<i>For Threaded Fittings, Add</i>	2.36	
23 21 13 23-2231	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	20.90	11.81
		<i>For Work In Restricted Working Space, Add</i>	5.31	
		<i>For Threaded Fittings, Add</i>	2.66	
23 21 13 23-2232	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	26.35	15.03
		<i>For Work In Restricted Working Space, Add</i>	6.75	
		<i>For Threaded Fittings, Add</i>	3.37	
23 21 13 23-2233	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	42.35	22.22
		<i>For Work In Restricted Working Space, Add</i>	9.99	
		<i>For Threaded Fittings, Add</i>	4.99	
23 21 13 23-2234	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	53.98	29.21
		<i>For Work In Restricted Working Space, Add</i>	13.14	
		<i>For Threaded Fittings, Add</i>	6.57	
23 21 13 23-2235	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	67.48	34.70
		<i>For Work In Restricted Working Space, Add</i>	15.61	
		<i>For Threaded Fittings, Add</i>	7.80	
23 21 13 23-2236	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	115.28	39.66
		<i>For Work In Restricted Working Space, Add</i>	17.83	
		<i>For Threaded Fittings, Add</i>	8.92	
23 21 13 23-2237	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	190.73	46.27
		<i>For Work In Restricted Working Space, Add</i>	20.81	
		<i>For Threaded Fittings, Add</i>	10.40	
23 21 13 23-2238	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	253.08	77.57
		<i>For Work In Restricted Working Space, Add</i>	34.88	
		<i>For Threaded Fittings, Add</i>	17.44	
23 21 13 23-2239		Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(23 21 13 23-2212)</small>		
23 21 13 23-2240	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	8.75	4.50
		<i>For Work In Restricted Working Space, Add</i>	2.01	
		<i>For Threaded Fittings, Add</i>	1.01	
23 21 13 23-2241	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	12.05	5.95
		<i>For Work In Restricted Working Space, Add</i>	2.69	
		<i>For Threaded Fittings, Add</i>	1.34	
23 21 13 23-2242	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	15.75	7.41
		<i>For Work In Restricted Working Space, Add</i>	3.33	
		<i>For Threaded Fittings, Add</i>	1.66	
23 21 13 23-2243	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	21.66	10.49
		<i>For Work In Restricted Working Space, Add</i>	4.71	
		<i>For Threaded Fittings, Add</i>	2.36	
23 21 13 23-2244	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	24.73	11.81
		<i>For Work In Restricted Working Space, Add</i>	5.31	
		<i>For Threaded Fittings, Add</i>	2.66	
23 21 13 23-2245	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	31.61	15.03
		<i>For Work In Restricted Working Space, Add</i>	6.75	
		<i>For Threaded Fittings, Add</i>	3.37	
23 21 13 23-2246	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	52.46	22.22
		<i>For Work In Restricted Working Space, Add</i>	9.99	
		<i>For Threaded Fittings, Add</i>	4.99	
23 21 13 23-2247	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	67.13	29.21
		<i>For Work In Restricted Working Space, Add</i>	13.14	
		<i>For Threaded Fittings, Add</i>	6.57	
23 21 13 23-2248	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	94.05	34.70
		<i>For Work In Restricted Working Space, Add</i>	15.61	
		<i>For Threaded Fittings, Add</i>	7.80	
23 21 13 23-2249	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	112.36	39.66
		<i>For Work In Restricted Working Space, Add</i>	17.83	
		<i>For Threaded Fittings, Add</i>	8.92	
23 21 13 23-2250	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	184.10	46.27
		<i>For Work In Restricted Working Space, Add</i>	20.81	
		<i>For Threaded Fittings, Add</i>	10.40	
23 21 13 23-2251	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	245.63	77.57
		<i>For Work In Restricted Working Space, Add</i>	34.88	
		<i>For Threaded Fittings, Add</i>	17.44	
23 21 13 23-2252		Schedule 80 Polyvinyl Chloride (PVC) Tees <small>(23 21 13 23-2212)</small>		
23 21 13 23-2253	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	13.58	7.03
		<i>For Work In Restricted Working Space, Add</i>	3.16	
		<i>For Threaded Fittings, Add</i>	1.58	
23 21 13 23-2254	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	16.61	8.95
		<i>For Work In Restricted Working Space, Add</i>	4.03	
		<i>For Threaded Fittings, Add</i>	2.01	
23 21 13 23-2255	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	21.69	11.81
		<i>For Work In Restricted Working Space, Add</i>	5.31	
		<i>For Threaded Fittings, Add</i>	2.66	
23 21 13 23-2256	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	33.49	15.03
		<i>For Work In Restricted Working Space, Add</i>	6.75	
		<i>For Threaded Fittings, Add</i>	3.37	
23 21 13 23-2257	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	37.85	17.89
		<i>For Work In Restricted Working Space, Add</i>	8.06	
		<i>For Threaded Fittings, Add</i>	4.03	
23 21 13 23-2258	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	47.07	22.22
		<i>For Work In Restricted Working Space, Add</i>	9.99	
		<i>For Threaded Fittings, Add</i>	4.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2259	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	58.79 13.14 6.57	29.21
23 21	13 23-2260	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	70.72 15.61 7.80	34.70
23 21	13 23-2261	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	91.03 20.81 10.40	46.27
23 21	13 23-2262	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	163.55 26.84 13.42	59.67
23 21	13 23-2263	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	282.76 33.29 16.64	74.02
23 21	13 23-2264	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	671.40 49.75 24.87	110.61
23 21 13 23-2265 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2212)					
23 21	13 23-2266	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	17.93 3.95 1.98	8.78
23 21	13 23-2267	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.77 5.03 2.52	11.20
23 21	13 23-2268	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.38 6.64 3.32	14.77
23 21	13 23-2269	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	45.37 8.44 4.22	18.76
23 21	13 23-2270	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	50.81 10.07 5.03	22.39
23 21	13 23-2271	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	63.20 12.48 6.24	27.75
23 21	13 23-2272	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	78.24 16.43 8.21	36.53
23 21	13 23-2273	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	94.33 19.50 9.75	43.36
23 21	13 23-2274	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	120.68 26.01 13.00	57.84
23 21	13 23-2275	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	227.92 33.54 16.77	74.57
23 21	13 23-2276	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	407.94 41.59 20.79	92.46
23 21	13 23-2277	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	999.92 62.22 31.11	138.32
23 21 13 23-2278 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2212)					
23 21	13 23-2279	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	9.57 2.69 1.34	5.95
23 21	13 23-2280	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	12.89 3.33 1.66	7.41
23 21	13 23-2281	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	18.53 4.71 2.36	10.49
23 21	13 23-2282	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.57 5.31 2.66	11.81
23 21	13 23-2283	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.01 6.75 3.37	15.03
23 21	13 23-2284	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	42.85 9.99 4.99	22.22
23 21	13 23-2285	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	58.99 13.14 6.57	29.21
23 21	13 23-2286	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	73.08 15.61 7.80	34.70
23 21	13 23-2287	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	82.80 17.83 8.92	39.66

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2288	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	121.20	46.27
			<i>For Work In Restricted Working Space, Add</i>	20.81	
			<i>For Threaded Fittings, Add</i>	10.40	
23 21	13 23-2289	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	191.47	53.72
			<i>For Work In Restricted Working Space, Add</i>	24.17	
			<i>For Threaded Fittings, Add</i>	12.09	
23 21	13 23-2290		Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2212)		
23 21	13 23-2291	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	6.92	4.50
			<i>For Work In Restricted Working Space, Add</i>	2.01	
			<i>For Threaded Fittings, Add</i>	1.01	
23 21	13 23-2292	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	10.10	5.95
			<i>For Work In Restricted Working Space, Add</i>	2.69	
			<i>For Threaded Fittings, Add</i>	1.34	
23 21	13 23-2293	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	12.89	7.41
			<i>For Work In Restricted Working Space, Add</i>	3.33	
			<i>For Threaded Fittings, Add</i>	1.66	
23 21	13 23-2294	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	19.36	10.49
			<i>For Work In Restricted Working Space, Add</i>	4.71	
			<i>For Threaded Fittings, Add</i>	2.36	
23 21	13 23-2295	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	22.31	11.81
			<i>For Work In Restricted Working Space, Add</i>	5.31	
			<i>For Threaded Fittings, Add</i>	2.66	
23 21	13 23-2296	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	28.12	15.03
			<i>For Work In Restricted Working Space, Add</i>	6.75	
			<i>For Threaded Fittings, Add</i>	3.37	
23 21	13 23-2297	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	45.21	22.22
			<i>For Work In Restricted Working Space, Add</i>	9.99	
			<i>For Threaded Fittings, Add</i>	4.99	
23 21	13 23-2298	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	65.86	29.21
			<i>For Work In Restricted Working Space, Add</i>	13.14	
			<i>For Threaded Fittings, Add</i>	6.57	
23 21	13 23-2299	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	85.94	34.70
			<i>For Work In Restricted Working Space, Add</i>	15.61	
			<i>For Threaded Fittings, Add</i>	7.80	
23 21	13 23-2300		Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2212)		
23 21	13 23-2301	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	9.22	4.50
			<i>For Work In Restricted Working Space, Add</i>	2.01	
			<i>For Threaded Fittings, Add</i>	1.01	
23 21	13 23-2302	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	11.72	5.95
			<i>For Work In Restricted Working Space, Add</i>	2.69	
			<i>For Threaded Fittings, Add</i>	1.34	
23 21	13 23-2303	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	15.93	7.41
			<i>For Work In Restricted Working Space, Add</i>	3.33	
			<i>For Threaded Fittings, Add</i>	1.66	
23 21	13 23-2304	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	21.36	10.49
			<i>For Work In Restricted Working Space, Add</i>	4.71	
			<i>For Threaded Fittings, Add</i>	2.36	
23 21	13 23-2305	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	25.85	11.81
			<i>For Work In Restricted Working Space, Add</i>	5.31	
			<i>For Threaded Fittings, Add</i>	2.66	
23 21	13 23-2306	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	33.11	15.03
			<i>For Work In Restricted Working Space, Add</i>	6.75	
			<i>For Threaded Fittings, Add</i>	3.37	
23 21	13 23-2307	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	45.38	22.22
			<i>For Work In Restricted Working Space, Add</i>	9.99	
			<i>For Threaded Fittings, Add</i>	4.99	
23 21	13 23-2308	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	57.22	29.21
			<i>For Work In Restricted Working Space, Add</i>	13.14	
			<i>For Threaded Fittings, Add</i>	6.57	
23 21	13 23-2309	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	75.88	34.70
			<i>For Work In Restricted Working Space, Add</i>	15.61	
			<i>For Threaded Fittings, Add</i>	7.80	
23 21	13 23-2310		Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2212)		
23 21	13 23-2311	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	8.54	4.50
			<i>For Work In Restricted Working Space, Add</i>	2.01	
			<i>For Threaded Fittings, Add</i>	1.01	
23 21	13 23-2312	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	11.66	5.95
			<i>For Work In Restricted Working Space, Add</i>	2.69	
			<i>For Threaded Fittings, Add</i>	1.34	
23 21	13 23-2313	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	15.10	7.41
			<i>For Work In Restricted Working Space, Add</i>	3.33	
			<i>For Threaded Fittings, Add</i>	1.66	
23 21	13 23-2314	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	22.22	10.49
			<i>For Work In Restricted Working Space, Add</i>	4.71	
			<i>For Threaded Fittings, Add</i>	2.36	
23 21	13 23-2315	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	25.70	11.81
			<i>For Work In Restricted Working Space, Add</i>	5.31	
			<i>For Threaded Fittings, Add</i>	2.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2316	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	36.41 6.75 3.37	15.03
23 21	13 23-2317	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	55.29 9.99 4.99	22.22
23 21	13 23-2318	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	68.58 13.14 6.57	29.21
23 21	13 23-2319	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	94.61 15.61 7.80	34.70
23 21 13 23-2320 Schedule 80 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-22 12)					
23 21	13 23-2321	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	8.66 2.01 1.01	4.50
23 21	13 23-2322	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	11.57 2.69 1.34	5.95
23 21	13 23-2323	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	13.80 3.33 1.66	7.41
23 21	13 23-2324	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	19.86 4.71 2.36	10.49
23 21	13 23-2325	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	22.19 5.31 2.66	11.81
23 21	13 23-2326	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	27.27 6.75 3.37	15.03
23 21	13 23-2327	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	45.12 9.99 4.99	22.22
23 21	13 23-2328	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	57.40 13.14 6.57	29.21
23 21	13 23-2329	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	69.07 15.61 7.80	34.70
23 21	13 23-2330	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	96.10 17.83 8.92	39.66
23 21	13 23-2331	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	119.26 20.81 10.40	46.27
23 21	13 23-2332	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	221.82 22.30 11.15	49.60
23 21 13 23-2333 Schedule 80 Polyvinyl Chloride (PVC) Unions (23 21 13 23-22 12)					
23 21	13 23-2334	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	15.46 3.33 1.66	7.41
23 21	13 23-2335	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	18.46 4.03 2.01	8.95
23 21	13 23-2336	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	23.46 5.31 2.66	11.81
23 21	13 23-2337	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	36.88 6.75 3.37	15.03
23 21	13 23-2338	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	45.37 8.06 4.03	17.89
23 21	13 23-2339	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	58.39 9.99 4.99	22.22
23 21	13 23-2340	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	90.54 13.14 6.57	29.21
23 21	13 23-2341	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	112.26 15.61 7.80	34.70
23 21	13 23-2342	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	142.29 20.81 10.40	46.27
23 21	13 23-2343	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	186.99 26.84 13.42	59.67
23 21	13 23-2344	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	271.83 33.27 16.64	73.98

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2345	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	402.75 41.25 20.63	91.71
23 21	13 23-2346		Schedule 80 Polyvinyl Chloride (PVC) Caps <small>(23 21 13 23-22 12)</small>		
23 21	13 23-2347	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	9.45 2.01 1.01	4.50
23 21	13 23-2348	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	11.84 2.69 1.34	5.95
23 21	13 23-2349	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	16.22 3.33 1.66	7.41
23 21	13 23-2350	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.89 4.71 2.36	10.49
23 21	13 23-2351	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	23.90 5.31 2.66	11.81
23 21	13 23-2352	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.78 6.75 3.37	15.03
23 21	13 23-2353	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	52.37 9.99 4.99	22.22
23 21	13 23-2354	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	67.13 13.14 6.57	29.21
23 21	13 23-2355	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	89.54 15.61 7.80	34.70
23 21	13 23-2356	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	152.65 17.83 8.92	39.66
23 21	13 23-2357	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	197.39 20.81 10.40	46.27
23 21	13 23-2358	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	310.10 22.30 11.15	49.60
23 21	13 23-2359		Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-22 12)</small>		
23 21	13 23-2360	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	19.56 3.33 1.66	7.41
23 21	13 23-2361	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	22.50 4.03 2.01	8.95
23 21	13 23-2362	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	27.83 5.31 2.66	11.81
23 21	13 23-2363	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	32.90 6.75 3.37	15.03
23 21	13 23-2364	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	37.50 8.06 4.03	17.89
23 21	13 23-2365	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	47.45 9.99 4.99	22.22
23 21	13 23-2366	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	65.66 13.14 6.57	29.21
23 21	13 23-2367	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	76.15 15.61 7.80	34.70
23 21	13 23-2368	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	99.91 20.81 10.40	46.27
23 21	13 23-2369	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	137.50 26.84 13.42	59.67
23 21	13 23-2370	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	219.30 33.27 16.64	73.98
23 21	13 23-2371	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	381.81 41.25 20.63	91.71
23 21	13 23-2372		Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-20 49)</small>		
			Note: In place pipe.		
23 21	13 23-2373	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	2.26 0.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2374	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	2.44 0.73	
23 21	13 23-2375	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	2.74 0.82	
23 21	13 23-2376	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	2.89 0.87	
23 21	13 23-2377	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	3.05 0.92	
23 21	13 23-2378	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	3.35 1.01	
23 21	13 23-2379	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	3.61 1.08	
23 21	13 23-2380	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.27 1.28	
23 21	13 23-2381	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.76 1.73	
23 21	13 23-2382	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	8.23 2.47	
23 21	13 23-2383	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	10.98 3.29	
23 21	13 23-2384	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	13.42 4.03	
23 21	13 23-2385		Polyethylene Pipe And Fittings (23 21 13 23)		
23 21	13 23-2386		Small Diameter Tubing (23 21 13 23-2385)		
23 21	13 23-2387		Tubing (23 21 13 23-2386)		
23 21	13 23-2388	LF	3/4" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	1.76 0.50	
23 21	13 23-2389	LF	1" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	1.93 0.55	
23 21	13 23-2390	LF	1-1/4" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	2.40 0.65	
23 21	13 23-2391	LF	1-1/2" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	2.89 0.77	
23 21	13 23-2392	LF	2" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.66 0.94	
23 21	13 23-2393		Female Copper Thread x Straight Compression Connection (23 21 13 23-2386) Note: Ford C04.		
23 21	13 23-2394	EA	3/4" Copper X 1" P.E. Straight Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	19.28 2.17	3.61
23 21	13 23-2395	EA	1" Copper X 1" P.E. Straight Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	25.66 2.44	4.07
23 21	13 23-2396	EA	1-1/4" Copper X 1" P.E. Straight Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	40.62 2.71	4.51
23 21	13 23-2397	EA	1-1/2" Copper X 1-1/2" P.E. Straight Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	54.90 2.98	4.97
23 21	13 23-2398	EA	2" Copper X 2" P.E. Straight Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	95.69 3.25	5.43
23 21	13 23-2399		Female Copper Thread x Compression Connection (23 21 13 23-2386) Note: Ford L04.		
23 21	13 23-2400	EA	3/4" Copper X 1" P.E. Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	20.48 2.17	3.61
23 21	13 23-2401	EA	1" Copper X 1" P.E. Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	27.42 2.44	4.07
23 21	13 23-2402	EA	1-1/2" Copper X 1-1/2" P.E. Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	59.40 2.98	4.97
23 21	13 23-2403	EA	2" Copper X 2" P.E. Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	104.18 3.25	5.43
23 21	13 23-2404		Male Iron Pipe Thread x Straight Compression Connection (23 21 13 23-2386) Note: Ford C84.		
23 21	13 23-2405	EA	3/4" M.I.P. X 1" P.E. Straight Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	20.18 2.17	3.61
23 21	13 23-2406	EA	1" M.I.P. X 1" P.E. Straight Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	26.98 2.44	4.07
23 21	13 23-2407	EA	1-1/2" M.I.P. X 1-1/2" P.E. Straight Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	58.27 2.98	4.97
23 21	13 23-2408	EA	2" M.I.P. X 2" P.E. Straight Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	102.05 3.25	5.43
23 21	13 23-2409		Male Iron Pipe Thread x Compression Connection (23 21 13 23-2386) Note: Ford L84.		
23 21	13 23-2410	EA	3/4" M.I.P. X 1" P.E. Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	21.48 2.17	3.61
23 21	13 23-2411	EA	1" M.I.P. X 1" P.E. Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	28.86 2.44	4.07
23 21	13 23-2412	EA	1-1/2" M.I.P. X 1-1/2" P.E. Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	63.11 2.98	4.97

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2413	EA	2" M.I.P. X 2" P.E. Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	111.18 3.25	5.43
23 21	13 23-2414		Straight Couplings, Compression Connection (23 21 13 23-2386) Note: Ford C44.		
23 21	13 23-2415	EA	1" X 1" Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	23.81 2.44	4.07
23 21	13 23-2416	EA	1-1/2" X 1-1/2" Compression Connection <i>For Work In Restricted Working Space, Add</i>	48.34 2.98	4.97
23 21	13 23-2417	EA	2" X 2" Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	80.12 3.25	5.43
23 21	13 23-2418		Straight Couplings x Compression Connection (23 21 13 23-2386) Note: Ford L44.		
23 21	13 23-2419	EA	1" X 1" Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	25.38 2.44	4.07
23 21	13 23-2420	EA	1-1/2" X 1-1/2" Compression Connection <i>For Work In Restricted Working Space, Add</i>	54.17 2.98	4.97
23 21	13 23-2421	EA	2" X 2" Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	91.12 3.25	5.43
23 21	13 23-2422		Stainless Steel Insert Stiffeners (23 21 13 23-2386) Note: Ford insert.		
23 21	13 23-2423	EA	3/4" Stainless Steel Insert Stiffeners..... <i>For Work In Restricted Working Space, Add</i>	4.23 0.56	0.95
23 21	13 23-2424	EA	1" Stainless Steel Insert Stiffeners..... <i>For Work In Restricted Working Space, Add</i>	5.60 0.65	1.08
23 21	13 23-2425	EA	1-1/4" Stainless Steel Insert Stiffeners..... <i>For Work In Restricted Working Space, Add</i>	8.52 0.71	1.17
23 21	13 23-2426	EA	1-1/2" Stainless Steel Insert Stiffeners..... <i>For Work In Restricted Working Space, Add</i>	10.95 0.77	1.27
23 21	13 23-2427	EA	2" Stainless Steel Insert Stiffeners..... <i>For Work In Restricted Working Space, Add</i>	17.95 0.85	1.40
23 21	13 23-2428		Flanged Lead Corporation Stop Coupling (23 21 13 23-2386) Note: Lead flange x copper tube thread (Mueller)		
23 21	13 23-2429	EA	3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)..... <i>For Work In Restricted Working Space, Add</i>	27.71 3.25	5.43
23 21	13 23-2430	EA	1" x 3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)..... <i>For Work In Restricted Working Space, Add</i>	38.76 3.39	5.65
23 21	13 23-2431	EA	1" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)..... <i>For Work In Restricted Working Space, Add</i>	39.66 3.66	6.10
23 21	13 23-2432	EA	1-1/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) <i>For Work In Restricted Working Space, Add</i>	61.95 4.07	6.78
23 21	13 23-2433	EA	1-1/2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) <i>For Work In Restricted Working Space, Add</i>	84.86 4.34	7.23
23 21	13 23-2434	EA	2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)..... <i>For Work In Restricted Working Space, Add</i>	148.67 4.74	7.91
23 21	13 23-2435	EA	2" Flanged Lead Corporation Stop Couplings, XXS Lead Flange X Copper Tube Thread (H-15510) <i>For Work In Restricted Working Space, Add</i>	184.65 5.29	8.81
23 21 16	Hydronic Piping Specialties (23 21)				
23 21 16 00-0001	Vent Valves (23 21 16)				
23 21	16 00-0002	EA	1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	42.38	8.36
23 21	16 00-0003	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	106.67	8.99
23 21	16 00-0004	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75)	101.52	8.99
23 21	16 00-0005	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	105.12	8.99
23 21	16 00-0006	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	136.63	8.99
23 21	16 00-0007	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	100.11	8.99
23 21 16 00-0008	Threaded Inlet, Drip-Pan Elbow (23 21 16)				
23 21 16 00-0009	Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)				
23 21	16 00-0010	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	136.15 54.67	14.07
23 21	16 00-0011	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	153.57 58.69	16.68
23 21	16 00-0012	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	194.26 79.19	19.29
23 21	16 00-0013	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	293.24 139.32	21.90
23 21	16 00-0014	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	330.74 154.01	26.07
23 21	16 00-0015	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	461.30 225.07	32.84
23 21	16 00-0016	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	1,054.49 598.89	43.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)		
23 21 16 00-0018 EA 2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	262.51	14.07
For Flanged Inlet, Add	140.60	
23 21 16 00-0019 EA 3" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	317.79	16.68
For Flanged Inlet, Add	170.36	
23 21 16 00-0020 EA 3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	451.19	19.29
For Flanged Inlet, Add	253.90	
23 21 16 00-0021 EA 4" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	461.74	21.90
For Flanged Inlet, Add	253.90	
23 21 16 00-0022 EA 5" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	661.35	26.07
For Flanged Inlet, Add	378.82	
23 21 16 00-0023 EA 6" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	687.41	32.84
For Flanged Inlet, Add	378.82	
23 21 16 00-0024 EA 8" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	1,130.42	43.27
For Flanged Inlet, Add	650.52	
23 21 16 00-0025 Y-Type Strainers (23 21 16)		
23 21 16 00-0026 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0027 EA 1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	34.74	6.24
For Galvanized Body, Add	8.45	
For Work In Restricted Working Space, Add	5.35	
23 21 16 00-0028 EA 1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	35.02	6.36
For Galvanized Body, Add	8.45	
For Work In Restricted Working Space, Add	5.44	
23 21 16 00-0029 EA 3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	44.69	8.58
For Galvanized Body, Add	10.08	
For Work In Restricted Working Space, Add	7.36	
23 21 16 00-0030 EA 1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	56.51	10.26
For Galvanized Body, Add	13.63	
For Work In Restricted Working Space, Add	8.78	
23 21 16 00-0031 EA 1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	73.56	12.68
For Galvanized Body, Add	18.67	
For Work In Restricted Working Space, Add	10.87	
23 21 16 00-0032 EA 1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	83.98	13.65
For Galvanized Body, Add	22.48	
For Work In Restricted Working Space, Add	11.71	
23 21 16 00-0033 EA 2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	113.81	15.61
For Galvanized Body, Add	34.61	
For Work In Restricted Working Space, Add	13.38	
23 21 16 00-0034 EA 2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	211.34	19.51
For Galvanized Body, Add	77.80	
For Work In Restricted Working Space, Add	16.72	
23 21 16 00-0035 EA 3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	272.96	24.41
For Galvanized Body, Add	101.64	
For Work In Restricted Working Space, Add	20.90	
23 21 16 00-0036 Flanged, 125 LB, Iron Body , Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0037 EA 1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	171.59	58.53
For Galvanized Body, Add	49.13	
For Work In Restricted Working Space, Add	22.00	
23 21 16 00-0038 EA 2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	199.24	74.30
For Galvanized Body, Add	53.17	
For Work In Restricted Working Space, Add	27.87	
23 21 16 00-0039 EA 3" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	372.08	94.76
For Galvanized Body, Add	126.74	
For Work In Restricted Working Space, Add	35.58	
23 21 16 00-0040 EA 4" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	486.72	158.86
For Galvanized Body, Add	143.83	
For Work In Restricted Working Space, Add	59.72	
23 21 16 00-0041 EA 5" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	500.60	143.25
For Galvanized Body, Add	160.91	
For Work In Restricted Working Space, Add	53.64	
23 21 16 00-0042 EA 6" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	599.34	159.17
For Galvanized Body, Add	199.84	
For Work In Restricted Working Space, Add	59.90	
23 21 16 00-0043 EA 8" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,039.80	203.38
For Galvanized Body, Add	393.58	
For Work In Restricted Working Space, Add	75.79	
23 21 16 00-0044 EA 10" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	2,063.92	247.59
For Galvanized Body, Add	877.22	
For Work In Restricted Working Space, Add	92.84	
23 21 16 00-0045 EA 12" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	2,266.35	221.06
For Galvanized Body, Add	912.11	
For Work In Restricted Working Space, Add	132.64	
23 21 16 00-0046 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025)		
Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047 EA 1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	31.80	6.36
For 300 LB Rating, Add	23.26	
For Work In Restricted Working Space, Add	5.44	
23 21 16 00-0048 EA 3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	42.32	8.58
For 300 LB Rating, Add	30.24	
For Work In Restricted Working Space, Add	7.36	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0049	EA	1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.67 38.10 8.78	10.26
23 21	16 00-0050	EA	1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.28 47.69 10.87	12.68
23 21	16 00-0051	EA	1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.46 61.95 11.71	13.65
23 21	16 00-0052	EA	2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.78 100.62 13.38	15.61
23 21	16 00-0053	EA	2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.42 166.06 16.72	19.51
23 21	16 00-0054	EA	3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	272.20 344.28 20.90	24.41
23 21	16 00-0055	EA	4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	467.96 653.40 25.08	29.26
23 21	16 00-0056		Flanged, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With bolted cap.		
23 21	16 00-0057	EA	2" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	262.91 102.00 27.87	74.30
23 21	16 00-0058	EA	2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	274.55 103.92 30.41	80.82
23 21	16 00-0059	EA	3" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	316.93 119.00 35.58	94.76
23 21	16 00-0060	EA	4" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	680.99 289.15 59.72	158.86
23 21	16 00-0061	EA	6" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	930.18 438.31 59.90	159.17
23 21	16 00-0062	EA	8" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,499.31 748.00 75.79	203.38
23 21	16 00-0063	EA	10" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,783.95 2,684.68 92.84	247.59
23 21	16 00-0064		Cast Iron Body, Suction Diffusers (23 21 16) Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21	16 00-0065	EA	2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	363.91 10.75	21.96
23 21	16 00-0066	EA	2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	381.00 11.94	24.36
23 21	16 00-0067	EA	2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	386.30 12.55	25.59
23 21	16 00-0068	EA	2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	718.12 30.41	80.82
23 21	16 00-0069	EA	3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	396.33 14.57	29.77
23 21	16 00-0070	EA	3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	452.10 14.57	29.77
23 21	16 00-0071	EA	3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	749.71 32.99	87.98
23 21	16 00-0072	EA	3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	761.61 35.58	94.76
23 21	16 00-0073	EA	4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	916.67 47.65	127.07
23 21	16 00-0074	EA	4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,071.73 59.72	158.86
23 21	16 00-0075	EA	6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,222.05 53.64	143.03
23 21	16 00-0076	EA	6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,488.98 59.90	159.17
23 21	16 00-0077	EA	8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,663.33 75.79	203.38
23 21	16 00-0078	EA	8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	2,677.06 75.79	203.38
23 21	16 00-0079	EA	10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	3,042.29 92.84	247.59
23 21	16 00-0080	EA	10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	3,596.72 92.84	247.59
23 21	16 00-0081		Duplex Strainers (23 21 16)		
23 21	16 00-0082		Iron Body, Duplex Strainers (23 21 16 00-0081)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 16 00-0083			Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0083) Note: With brass or stainless steel basket.		
23 21 16 00-0084	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	376.74 8.33	13.88
23 21 16 00-0085	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	420.75 9.54	15.89
23 21 16 00-0086	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	569.86 11.20	18.67
23 21 16 00-0087	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	716.80 12.21	20.34
23 21 16 00-0088	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	960.34 14.93	24.81
23 21 16 00-0089	EA		2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,208.56 19.06	31.77

23 21 16 00-0090			Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0090) Note: With brass or stainless steel basket.		
23 21 16 00-0091	EA		2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,310.64 27.87	74.30
23 21 16 00-0092	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,355.43 30.41	80.82
23 21 16 00-0093	EA		3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,736.19 35.58	94.76
23 21 16 00-0094	EA		4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,702.42 47.37	126.01
23 21 16 00-0095	EA		6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,288.71 59.90	159.17
23 21 16 00-0096	EA		8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	10,067.21 75.79	203.38
23 21 16 00-0097	EA		10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	13,904.47 92.84	247.59
23 21 16 00-0098	EA		12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	15,746.18 187.34	312.14
23 21 16 00-0099	EA		14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	18,762.66 132.64	353.71
23 21 16 00-0100	EA		16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	23,459.70 145.90	389.07

23 21 16 00-0101			Bronze Body, Duplex Strainers (23 21 16 00-0081)		
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23 21 16 00-0102			Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers (23 21 16 00-0102) Note: With brass or stainless steel basket.		
23 21 16 00-0103	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	700.26 8.33	13.94
23 21 16 00-0104	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	776.98 9.54	15.89
23 21 16 00-0105	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,136.93 11.20	18.67
23 21 16 00-0106	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,494.70 12.21	20.34
23 21 16 00-0107	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,930.90 14.93	24.81
23 21 16 00-0108	EA		2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,371.77 19.06	31.77

23 21 16 00-0109			Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0109) Note: With brass or stainless steel basket.		
23 21 16 00-0110	EA		2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,710.13 27.87	74.30
23 21 16 00-0111	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,791.27 30.41	80.82
23 21 16 00-0112	EA		3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,826.33 35.58	94.76
23 21 16 00-0113	EA		4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,010.29 47.37	126.01
23 21 16 00-0114	EA		6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	13,067.66 59.90	159.17

23 21 16 00-0115			Cast Steel Body, Duplex Strainers (23 21 16 00-0081)		
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23 21 16 00-0116			Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0116) Note: With brass or stainless steel basket.		
23 21 16 00-0117	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,090.23 9.54	15.89
23 21 16 00-0118	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,342.72 11.20	18.67
23 21 16 00-0119	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,593.07 12.21	20.34
23 21 16 00-0120	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,695.85 14.93	24.81

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 16 00-0121	Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers ^(23 21 16 00-0115) Note: With brass or stainless steel basket.		
23 21 16 00-0122	EA 2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,756.63 27.87	74.30
23 21 16 00-0123	EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,029.68 30.41	80.82
23 21 16 00-0124	EA 3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,981.88 35.58	94.76
23 21 16 00-0125	EA 4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,820.52 47.37	126.01
23 21 16 00-0126	EA 6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,937.26 59.90	159.17
23 21 16 00-0127	EA 8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	19,375.01 75.79	203.38
23 21 16 00-0128	Stainless Steel Body, Duplex Strainers ^(23 21 16 00-0081)		
23 21 16 00-0129	Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers ^(23 21 16 00-0128) Note: With stainless steel basket.		
23 21 16 00-0130	EA 1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	4,629.81 9.54	15.89
23 21 16 00-0131	EA 1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,852.95 11.20	18.67
23 21 16 00-0132	EA 1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,065.43 12.21	20.34
23 21 16 00-0133	EA 2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,331.91 14.93	24.81
23 21 16 00-0134	Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers ^(23 21 16 00-0128) Note: With stainless steel basket.		
23 21 16 00-0135	EA 2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,843.37 27.87	74.30
23 21 16 00-0136	EA 2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	12,447.85 30.41	80.82
23 21 16 00-0137	EA 3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	19,532.40 35.58	94.76
23 21 16 00-0138	EA 4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	23,829.11 47.37	126.01
23 21 16 00-0139	EA 6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	41,922.31 59.90	159.17
23 21 16 00-0140	EA 8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	77,567.25 75.79	203.38
23 21 16 00-0141	Pressure Regulating Valve ^(23 21 16)		
23 21 16 00-0142	Screwed Ends, Water Pressure Reducing Valves ^(23 21 16 00-0141) Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating, iron construction.		
23 21 16 00-0143	EA 1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	88.54 6.78	5.65
23 21 16 00-0144	EA 3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	109.15 7.53	6.33
23 21 16 00-0145	EA 1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	143.75 7.97	6.78
23 21 16 00-0146	EA 1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	246.74 9.04	7.59
23 21 16 00-0147	EA 1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	334.95 10.85	9.04
23 21 16 00-0148	EA 2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	479.94 16.64	13.86
23 21 16 00-0149	EA 2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	522.06 18.73	15.60
23 21 16 00-0150	EA 3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	573.62 20.81	45.15
23 21 16 00-0151	Cast Iron Body, Steam Pressure Regulator And Reducer ^(23 21 16 00-0141) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0152	Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer ^(23 21 16 00-0151)		
23 21 16 00-0153	EA 1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	156.18 11.22	9.37
23 21 16 00-0154	EA 3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	196.76 15.92	13.27
23 21 16 00-0155	EA 1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	252.26 19.45	16.17
23 21 16 00-0156	EA 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	335.35 22.60	19.62
23 21 16 00-0157	EA 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	447.24 25.73	22.29
23 21 16 00-0158	EA 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	524.00 31.28	31.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0159 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0151)</small> Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0160 EA 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer.....	1,179.80	75.59
For Work In Restricted Working Space, Add	28.43	
23 21 16 00-0161 EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer.....	1,465.66	88.62
For Work In Restricted Working Space, Add	33.27	
23 21 16 00-0162 EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer.....	1,893.65	148.57
For Work In Restricted Working Space, Add	55.85	
23 21 16 00-0163 EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer.....	4,615.31	134.15
For Work In Restricted Working Space, Add	50.49	
23 21 16 00-0164 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0141)</small>		
23 21 16 00-0165 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0164)</small>		
23 21 16 00-0166 EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve.....	848.23	6.80
For Work In Restricted Working Space, Add	10.20	
23 21 16 00-0167 EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve.....	865.89	6.80
For Work In Restricted Working Space, Add	10.20	
23 21 16 00-0168 EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve.....	923.86	8.58
For Work In Restricted Working Space, Add	12.88	
23 21 16 00-0169 EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve.....	1,086.64	10.92
For Work In Restricted Working Space, Add	16.39	
23 21 16 00-0170 EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve.....	1,244.11	12.60
For Work In Restricted Working Space, Add	18.90	
23 21 16 00-0171 EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve.....	1,541.72	14.82
For Work In Restricted Working Space, Add	22.24	
23 21 16 00-0172 Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0164)</small>		
23 21 16 00-0173 EA 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve.....	1,905.71	75.59
For Work In Restricted Working Space, Add	28.43	
23 21 16 00-0174 EA 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve.....	2,349.55	88.62
For Work In Restricted Working Space, Add	33.27	
23 21 16 00-0175 EA 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve.....	3,562.77	148.57
For Work In Restricted Working Space, Add	55.85	
23 21 16 00-0176 EA 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve.....	7,743.58	134.15
For Work In Restricted Working Space, Add	50.49	
23 21 16 00-0177 Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves <small>(23 21 16 00-0141)</small>		
23 21 16 00-0178 EA 1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	99.38	5.87
23 21 16 00-0179 EA 3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	122.97	6.51
23 21 16 00-0180 EA 1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	163.02	6.91
23 21 16 00-0181 EA 1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	282.35	7.87
23 21 16 00-0182 EA 1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	384.07	9.39
23 21 16 00-0183 EA 2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	549.74	14.40
23 21 16 00-0184 EA 2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	595.55	15.68
23 21 16 00-0185 EA 3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	656.54	18.05
23 21 16 00-0186 Screwed Ends, Bronze Body, Water Pressure Reducing Valves <small>(23 21 16 00-0141)</small> Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0187 EA 1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	83.15	5.65
23 21 16 00-0188 EA 3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	91.33	6.33
23 21 16 00-0189 EA 1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	114.12	7.00
23 21 16 00-0190 EA 1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	274.99	7.59
23 21 16 00-0191 EA 1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	297.56	9.04
23 21 16 00-0192 EA 2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	467.77	13.86
23 21 16 00-0193 Dual Unit Reducing And Relief Valve <small>(23 21 16)</small>		
23 21 16 00-0194 EA 1/2" Dual Unit Reducing And Relief Valve.....	100.01	17.00
23 21 16 00-0195 Safety Relief Valve <small>(23 21 16)</small> Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0196 Threaded Inlet, Bronze Body Safety Valves <small>(23 21 16 00-0195)</small> Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0197 EA 1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve.....	33.07	5.65
23 21 16 00-0198 EA 3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve.....	46.92	6.22
23 21 16 00-0199 EA 1" x 1" Threaded Inlet, Bronze Body Safety Valve.....	68.74	7.57
23 21 16 00-0200 EA 1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve.....	90.09	8.02
23 21 16 00-0201 EA 1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve.....	124.26	10.73
23 21 16 00-0202 EA 2" x 2" Threaded Inlet, Bronze Body Safety Valve.....	167.89	12.65
23 21 16 00-0203 EA 2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve.....	189.38	15.81

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 16 00-0204 Threaded, Bronze Body, Temperature And Pressure Relief Valves (23 21 16)			
23 21 16 00-0205	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	38.23 11.52
		<i>For Cast Iron Body, Add</i>	24.25
23 21 16 00-0206	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	49.62 13.83
		<i>For Cast Iron Body, Add</i>	33.79
23 21 16 00-0207	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	73.17 18.43
		<i>For Cast Iron Body, Add</i>	53.80
23 21 16 00-0208	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	123.75 19.74
		<i>For Cast Iron Body, Add</i>	114.35
23 21 16 00-0209	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	211.14 22.14
		<i>For Cast Iron Body, Add</i>	218.75
23 21 16 00-0210	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	242.58 31.83
		<i>For Cast Iron Body, Add</i>	238.20
23 21 16 00-0211 Horizontal Steel Expansion Tanks (23 21 16)			
		Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.	
23 21 16 00-0212	EA	10 Gallon Horizontal Steel Expansion Tank.....	395.53 55.74
23 21 16 00-0213	EA	15 Gallon Horizontal Steel Expansion Tank.....	565.42 69.68
23 21 16 00-0214	EA	30 Gallon Horizontal Steel Expansion Tank.....	745.99 83.61
23 21 16 00-0215	EA	40 Gallon Horizontal Steel Expansion Tank.....	857.86 97.55
23 21 16 00-0216	EA	60 Gallon Horizontal Steel Expansion Tank.....	974.83 88.42
23 21 16 00-0217 Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (23 21 16)			
		Note: ASME. Precharged with working pressure 125 psi (Armstrong AX)	
23 21 16 00-0218	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,544.78 41.81
23 21 16 00-0219	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,584.62 48.78
23 21 16 00-0220	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,293.52 55.74
23 21 16 00-0221	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,443.43 62.71
23 21 16 00-0222	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,124.28 69.68
23 21 16 00-0223	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,280.67 76.65
23 21 16 00-0224	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,017.63 83.61
23 21 16 00-0225	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,342.36 90.58
23 21 16 00-0226	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,807.38 97.55
23 21 16 00-0227	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,906.47 111.48
23 21 16 00-0228	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	6,056.66 125.42
23 21 16 00-0229	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,038.51 139.35
23 21 16 00-0230	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	8,095.70 167.22
23 21 16 00-0231 Diaphragm Type (Residential Style) Steel Expansion Tanks (23 21 16)			
23 21 16 00-0232	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	53.33 4.16
23 21 16 00-0233	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	78.15 4.16
23 21 16 00-0234 Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks (23 21 16)			
23 21 16 00-0235	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	658.94 167.28
23 21 16 00-0236	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	691.94 167.28
23 21 16 00-0237	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	724.93 167.28
23 21 16 00-0238	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	810.70 167.28
23 21 16 00-0239	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	951.68 222.91
23 21 16 00-0240	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,149.09 223.02
23 21 16 00-0241	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,188.29 223.02
23 21 16 00-0242	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,227.48 223.02
23 21 16 00-0243	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,565.63 278.71
23 21 16 00-0244	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	4,888.33 278.71
23 21 16 00-0245	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	6,232.27 334.34
23 21 16 00-0246 Swivel Joints (23 21 16)			
23 21 16 00-0247 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) (23 21 16 00-0246)			
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.	
23 21 16 00-0248	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	219.40 14.66
23 21 16 00-0249	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	315.00 21.46
23 21 16 00-0250	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	444.83 25.08
23 21 16 00-0251	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	660.03 42.92
23 21 16 00-0252	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	829.67 59.28
23 21 16 00-0253	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,040.06 158.87
23 21 16 00-0254	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,970.24 200.67
23 21 16 00-0255 Basket Strainers (23 21 16)			
23 21 16 00-0256 Bronze Body Basket Strainers (23 21 16 00-0255)			
23 21 16 00-0257 Screwed Ends, Bronze Body Basket Strainers (23 21 16 00-0256)			
23 21 16 00-0258	EA	1/2" Screwed Ends, Bronze Body Basket Strainer.....	133.35 11.15
		<i>For Work In Restricted Working Space, Add</i>	6.64
23 21 16 00-0259	EA	3/4" Screwed Ends, Bronze Body Basket Strainer.....	157.58 13.10
		<i>For Work In Restricted Working Space, Add</i>	7.80
23 21 16 00-0260	EA	1" Screwed Ends, Bronze Body Basket Strainer.....	182.91 15.61
		<i>For Work In Restricted Working Space, Add</i>	9.29



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0261	EA		1-1/4" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	227.19 10.36	17.28
23 21 16 00-0262	EA		1-1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	267.99 11.69	19.51
23 21 16 00-0263	EA		2" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	397.24 13.39	22.29
23 21 16 00-0264	EA		2-1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	561.42 17.94	29.82
23 21 16 00-0265	EA		3" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	786.79 19.03	31.77
23 21 16 00-0266			Flanged, Bronze Body Basket Strainers (23 21 16 00-0266)		
23 21 16 00-0267	EA		2" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	627.26 27.87	74.30
23 21 16 00-0268	EA		2-1/2" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	937.41 30.41	80.82
23 21 16 00-0269	EA		3" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,063.71 35.58	94.76
23 21 16 00-0270	EA		4" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,798.48 59.72	158.86
23 21 16 00-0271	EA		6" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,362.14 59.90	159.17
23 21 16 00-0272	EA		8" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,123.21 75.79	203.38
23 21 16 00-0273			Iron Body Basket Strainers (23 21 16 00-0255)		
23 21 16 00-0274			Screwed Ends, Iron Body Basket Strainers (23 21 16 00-0273)		
23 21 16 00-0275	EA		1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	148.36 6.64	11.15
23 21 16 00-0276	EA		3/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	167.28 7.80	13.10
23 21 16 00-0277	EA		1" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	197.74 9.29	15.61
23 21 16 00-0278	EA		1-1/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	258.05 10.36	17.28
23 21 16 00-0279	EA		1-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	283.34 11.69	19.51
23 21 16 00-0280	EA		2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	336.49 13.39	22.29
23 21 16 00-0281	EA		2-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	476.71 17.94	29.82
23 21 16 00-0282	EA		3" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	538.25 19.03	31.77
23 21 16 00-0283			Flanged, Iron Body Basket Strainers (23 21 16 00-0273)		
23 21 16 00-0284	EA		2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	517.01 27.87	74.30
23 21 16 00-0285	EA		2-1/2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	672.96 30.41	80.82
23 21 16 00-0286	EA		3" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	727.09 35.58	94.76
23 21 16 00-0287	EA		4" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,114.88 59.72	158.86
23 21 16 00-0288	EA		6" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,982.11 59.90	159.17
23 21 16 00-0289	EA		8" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,540.94 75.79	203.38
23 21 16 00-0290	EA		10" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,257.29 92.84	247.59
23 21 16 00-0291	EA		12" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,493.98 187.27	312.14
23 21 16 00-0292	EA		14" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,848.48 132.64	353.71
23 21 16 00-0293	EA		16" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	8,230.74 145.90	389.07
23 21 16 00-0294			Cast Steel Body Basket Strainers (23 21 16 00-0255)		
23 21 16 00-0295			Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0294)		
23 21 16 00-0296	EA		1" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	353.74 9.29	15.61
23 21 16 00-0297	EA		1-1/4" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	465.34 10.36	17.28
23 21 16 00-0298	EA		1-1/2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	524.49 11.69	19.51
23 21 16 00-0299	EA		2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	735.29 13.39	22.29
23 21 16 00-0300	EA		2-1/2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,030.81 17.93	29.82
23 21 16 00-0301	EA		3" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,335.34 19.03	31.77

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 16 00-0302	Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0294)		
23 21 16 00-0303	EA 2" Flanged, Cast Steel Body Basket Strainer.....	1,098.13	74.30
	<i>For Work In Restricted Working Space, Add</i>	27.87	
23 21 16 00-0304	EA 2-1/2" Flanged, Cast Steel Body Basket Strainer	1,571.57	80.82
	<i>For Work In Restricted Working Space, Add</i>	30.41	
23 21 16 00-0305	EA 3" Flanged, Cast Steel Body Basket Strainer.....	1,725.59	94.76
	<i>For Work In Restricted Working Space, Add</i>	35.58	
23 21 16 00-0306	EA 4" Flanged, Cast Steel Body Basket Strainer.....	2,455.69	158.86
	<i>For Work In Restricted Working Space, Add</i>	59.72	
23 21 16 00-0307	EA 6" Flanged, Cast Steel Body Basket Strainer.....	4,268.43	159.17
	<i>For Work In Restricted Working Space, Add</i>	59.90	
23 21 16 00-0308	EA 8" Flanged, Cast Steel Body Basket Strainer.....	6,919.93	203.38
	<i>For Work In Restricted Working Space, Add</i>	75.79	
23 21 16 00-0309	Stainless Steel Body Basket Strainers (23 21 16 00-0255)		
23 21 16 00-0310	Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0309)		
23 21 16 00-0311	EA 1" Screwed Ends, Stainless Steel Body Basket Strainer	306.42	15.61
	<i>For Work In Restricted Working Space, Add</i>	9.29	
23 21 16 00-0312	EA 1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	442.26	17.28
	<i>For Work In Restricted Working Space, Add</i>	10.36	
23 21 16 00-0313	EA 1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	456.24	19.51
	<i>For Work In Restricted Working Space, Add</i>	11.69	
23 21 16 00-0314	EA 2" Screwed Ends, Stainless Steel Body Basket Strainer	675.99	22.29
	<i>For Work In Restricted Working Space, Add</i>	13.39	
23 21 16 00-0315	EA 2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	955.69	29.82
	<i>For Work In Restricted Working Space, Add</i>	17.93	
23 21 16 00-0316	EA 3" Screwed Ends, Stainless Steel Body Basket Strainer	1,352.07	31.77
	<i>For Work In Restricted Working Space, Add</i>	19.03	
23 21 16 00-0317	Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0309)		
23 21 16 00-0318	EA 2" Flanged, Stainless Steel Body Basket Strainer	1,032.45	74.30
	<i>For Work In Restricted Working Space, Add</i>	27.87	
23 21 16 00-0319	EA 2-1/2" Flanged, Stainless Steel Body Basket Strainer	1,564.53	80.82
	<i>For Work In Restricted Working Space, Add</i>	30.41	
23 21 16 00-0320	EA 3" Flanged, Stainless Steel Body Basket Strainer	1,771.33	94.76
	<i>For Work In Restricted Working Space, Add</i>	35.58	
23 21 16 00-0321	EA 4" Flanged, Stainless Steel Body Basket Strainer	2,994.52	158.86
	<i>For Work In Restricted Working Space, Add</i>	59.72	
23 21 16 00-0322	EA 6" Flanged, Stainless Steel Body Basket Strainer	4,563.30	159.17
	<i>For Work In Restricted Working Space, Add</i>	59.90	
23 21 16 00-0323	EA 8" Flanged, Stainless Steel Body Basket Strainer	7,943.54	203.38
	<i>For Work In Restricted Working Space, Add</i>	75.79	
23 21 16 00-0324	Air Vents (23 21 16)		
23 21 16 00-0325	Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0324)		
	Note: With guided free floating lever.		
23 21 16 00-0326	EA 1/2" NPT, Cast Iron, Automatic Air Vent	181.55	16.17
23 21 16 00-0327	EA 3/4" NPT, Cast Iron, Automatic Air Vent	221.62	21.46
23 21 16 00-0328	EA 1" NPT, Cast Iron, Automatic Air Vent	517.71	22.29
23 21 16 00-0329	EA 1-1/4" NPT, Cast Iron, Automatic Air Vent	767.07	34.45
23 21 16 00-0330	EA 1-1/2" NPT, Cast Iron, Automatic Air Vent	1,288.52	37.07
23 21 16 00-0331	EA 2" NPT, Cast Iron, Automatic Air Vent	1,476.58	48.89
23 21 16 00-0332	Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0324)		
	Note: With guided free floating lever.		
23 21 16 00-0333	EA 1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,266.36	18.67
23 21 16 00-0334	EA 3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,588.32	21.46
23 21 16 00-0335	EA 1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,897.32	22.29
23 21 16 00-0336	EA 1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,114.48	34.56
23 21 16 00-0337	EA 1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,598.81	37.07
23 21 16 00-0338	EA 2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	5,294.38	48.78
23 21 16 00-0339	Manual Air Vent (23 21 16 00-0324)		
23 21 16 00-0340	EA Manual Air Vent	42.77	20.12
23 21 23	Hydronic Pumps (23 21)		
23 21 23 13	In-Line Centrifugal Hydronic Pumps (23 21 23)		
23 21 23 13-0001	Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13)		
	Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002	EA 50 GPM Cast Iron Centrifugal Pump, Single Stage With 100' Head And 3 HP.....	7,187.38	148.87
	<i>For Mechanical Seal, Add</i>	539.28	
	<i>For Cast Steel Case, Add</i>	1,213.37	
23 21 23 13-0003	EA 75 GPM Cast Iron Centrifugal Pump, Single Stage With 100' Head And 5 HP.....	7,766.86	180.19
	<i>For Mechanical Seal, Add</i>	578.12	
	<i>For Cast Steel Case, Add</i>	1,300.76	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 13-0004	EA		100 GPM Cast Iron Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	8,951.22 664.76 1,495.71	214.07
23 21 23 13-0005	EA		125 GPM Cast Iron Centrifugal Pump, Single Stage With 150' Head And 10 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	9,389.21 682.69 1,536.05	285.43
23 21 23 13-0006	EA		150 GPM Cast Iron Centrifugal Pump, Single Stage With 200' Head And 15 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	11,325.74 831.39 1,870.62	311.10
23 21 23 13-0007	EA		200 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 30 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	17,496.37 1,317.57 2,964.54	342.41
23 21 23 13-0008	EA		250 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 40 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	20,441.73 1,532.66 3,448.49	427.64
23 21 23 13-0009	EA		300 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 50 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	16,591.95 1,210.01 2,722.53	488.73
23 21 23 13-0010	EA		400 GPM Cast Iron Centrifugal Pump, Single Stage With 400' Head And 75 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	37,135.19 2,860.78 6,436.74	458.48
23 21 23 13-0011	EA		600 GPM Cast Iron Centrifugal Pump, Single Stage With 400' Head And 100 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	40,060.42 3,063.35 6,892.54	589.35
23 21 23 13-0012	EA		Centrifugal, Cast Iron Circulating Pump 1/2 HP	1,425.04	103.70
23 21 23 13-0013	EA		Centrifugal, Cast Iron Circulating Pump 3/4 HP	1,549.23	110.38

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)

23 21 23 16-0001	Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)			
			Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.	
23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	3,065.70	162.74
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	3,440.25	162.94
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	4,537.06	214.07
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	4,968.18	263.36
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	5,565.10	263.36
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	5,409.59	285.43
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	5,748.96	285.43
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	6,281.44	299.30
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	6,987.87	380.40
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	7,392.05	427.64
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	11,089.92	949.39
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	16,150.82	1,139.06
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	18,276.05	1,423.83

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

23 21 23 16-0016	Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)			
			Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.	
23 21 23 16-0016	EA	40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP <i>For 300 LB Flanges, Add</i>	2,806.47 647.69	119.61
23 21 23 16-0017	EA	50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP <i>For 300 LB Flanges, Add</i>	3,564.98 843.12	128.34
23 21 23 16-0018	EA	90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP <i>For 300 LB Flanges, Add</i>	4,466.91 1,059.69	137.07
23 21 23 16-0019	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP <i>For 300 LB Flanges, Add</i>	5,213.68 1,230.08	162.74
23 21 23 16-0020	EA	150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP <i>For 300 LB Flanges, Add</i>	5,479.45 1,292.86	162.94
23 21 23 16-0021	EA	200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	5,861.58 1,369.14	214.07
23 21 23 16-0022	EA	225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	5,861.57 1,369.14	214.07
23 21 23 16-0023	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	5,861.58 1,369.14	214.07
23 21 23 16-0024	EA	300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP <i>For 300 LB Flanges, Add</i>	7,134.15 1,665.07	263.36
23 21 23 16-0025	EA	350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP <i>For 300 LB Flanges, Add</i>	7,246.21 1,688.31	263.16
23 21 23 16-0026	EA	500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP <i>For 300 LB Flanges, Add</i>	7,637.51 1,781.03	285.43
23 21 23 16-0027	EA	600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP <i>For 300 LB Flanges, Add</i>	8,379.69 1,956.32	299.30
23 21 23 16-0028	EA	750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP <i>For 300 LB Flanges, Add</i>	9,270.33 2,146.46	380.40
23 21 23 16-0029	EA	1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	10,515.55 2,436.37	427.64
23 21 23 16-0030	EA	1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP <i>For 300 LB Flanges, Add</i>	14,523.39 3,173.19	949.39
23 21 23 16-0031	EA	2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	17,277.56 3,770.20	1,139.06
23 21 23 16-0032	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	20,398.08 4,413.03	1,423.83

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0033	Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <small>(23 21 23 16)</small> Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0034	EA 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP..... <i>For 300 LB Flanges, Add</i>	4,446.14 1,057.61	119.61
23 21 23 16-0035	EA 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP..... <i>For 300 LB Flanges, Add</i>	4,554.84 1,080.95	128.34
23 21 23 16-0036	EA 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP..... <i>For 300 LB Flanges, Add</i>	4,663.60 1,104.30	137.07
23 21 23 16-0037	EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP..... <i>For 300 LB Flanges, Add</i>	5,080.60 1,207.03	140.15
23 21 23 16-0038	EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP..... <i>For 300 LB Flanges, Add</i>	8,404.04 2,027.67	162.74
23 21 23 16-0039	EA 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP..... <i>For 300 LB Flanges, Add</i>	11,274.65 2,735.43	214.07
23 21 23 16-0040	EA 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP..... <i>For 300 LB Flanges, Add</i>	11,462.09 2,769.27	231.01
23 21 23 16-0041	EA 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP..... <i>For 300 LB Flanges, Add</i>	12,056.48 2,895.65	256.68
23 21 23 16-0042	EA 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP..... <i>For 300 LB Flanges, Add</i>	13,411.45 3,249.70	229.46
23 21 23 16-0043	EA 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP..... <i>For 300 LB Flanges, Add</i>	14,938.07 3,601.88	294.89
23 21 23 16-0044	EA 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP..... <i>For 300 LB Flanges, Add</i>	18,975.85 4,560.90	379.86
23 21 23 16-0045	EA 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP..... <i>For 300 LB Flanges, Add</i>	21,280.51 5,091.30	474.44
23 21 23 16-0046	EA 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP..... <i>For 300 LB Flanges, Add</i>	30,555.22 7,364.21	569.53
23 21 23 16-0047	EA 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP..... <i>For 300 LB Flanges, Add</i>	59,168.16 14,486.93	632.58
23 21 23 16-0048	EA 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP..... <i>For 300 LB Flanges, Add</i>	62,571.46 15,250.59	813.61
23 21 23 16-0049	Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <small>(23 21 23 16)</small> Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050	EA 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP..... <i>For 300 LB Flanges, Add</i>	16,134.37 3,915.12	263.36
23 21 23 16-0051	EA 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP..... <i>For 300 LB Flanges, Add</i>	17,477.81 4,241.11	285.43
23 21 23 16-0052	EA 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP..... <i>For 300 LB Flanges, Add</i>	20,953.41 5,063.18	382.56
23 21 23 16-0053	EA 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP..... <i>For 300 LB Flanges, Add</i>	41,671.36 10,176.98	525.67
23 21 23 16-0054	EA 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP..... <i>For 300 LB Flanges, Add</i>	50,939.94 12,413.84	700.89
23 21 23 16-0055	Cast Iron Close Coupling Pumps <small>(23 21 23 16)</small>		
23 21 23 16-0056	Foot Mounted Cast Iron Close Coupled Pumps <small>(23 21 23 16-0055)</small>		
23 21 23 16-0057	EA 3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM).....	2,743.72	154.01
23 21 23 16-0058	EA 3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM).....	2,987.85	154.01
23 21 23 16-0059	EA 5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM).....	3,323.37	162.57
23 21 23 16-0060	EA 5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM).....	3,539.33	162.57
23 21 23 16-0061	EA 7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM).....	4,069.36	170.95
23 21 23 16-0062	EA 10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM).....	4,757.86	184.22
23 21 23 16-0063	EA 15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP).....	6,252.94	226.94
23 21 23 16-0064	EA 20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP).....	6,692.59	245.62
23 21 23 16-0065	EA 25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP).....	7,760.24	265.27
23 21 23 16-0066	Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt <small>(23 21 23 16)</small>		
23 21 23 16-0067	EA 1/3 HP, Centrifugal Pump, Polypropylene Body.....	1,815.15	79.54
23 21 23 16-0068	EA 1/2 HP, Centrifugal Pump, Polypropylene Body.....	1,938.53	84.34
23 21 23 16-0069	EA 3/4 HP, Centrifugal Pump, Polypropylene Body.....	2,297.34	89.80
23 21 23 23	Vertical-Turbine Hydronic Pumps <small>(23 21 23)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 23 23-0001

Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps (23 21 23 23)

Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.

23 21 23 23-0002	EA	50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP.....	7,894.27	380.40
		<i>For Each Extra Column Assembly <60", Add</i>	654.36	
		<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	292.95	
		<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	214.01	
23 21 23 23-0003	EA	100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP.....	8,289.38	427.64
		<i>For Each Extra Column Assembly <60", Add</i>	686.15	
		<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	308.57	
		<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	225.68	
23 21 23 23-0004	EA	250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP.....	9,852.13	379.86
		<i>For Each Extra Column Assembly <60", Add</i>	815.41	
		<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	366.84	
		<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	268.32	
23 21 23 23-0005	EA	500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP.....	10,670.05	438.34
		<i>For Each Extra Column Assembly <60", Add</i>	881.77	
		<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	398.64	
		<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	291.94	
23 21 23 23-0006	EA	1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP.....	13,199.36	474.44
		<i>For Each Extra Column Assembly <60", Add</i>	1,086.46	
		<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	497.46	
		<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	365.47	
23 21 23 23-0007	EA	2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP.....	21,297.72	569.53
		<i>For Each Extra Column Assembly <60", Add</i>	1,740.43	
		<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	815.30	
		<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	602.32	
23 21 23 23-0008	EA	3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP.....	25,434.22	711.91
		<i>For Each Extra Column Assembly <60", Add</i>	2,080.50	
		<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	971.60	
		<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	717.26	
23 21 23 23-0009	EA	4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP.....	41,349.83	813.61
		<i>For Each Extra Column Assembly <60", Add</i>	3,360.29	
		<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	1,601.69	
		<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	1,188.19	
23 21 23 23-0010	EA	6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP.....	54,441.14	949.39
		<i>For Each Extra Column Assembly <60", Add</i>	4,416.31	
		<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	2,116.62	
		<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	1,572.21	
23 21 23 23-0011	EA	10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP.....	76,571.39	1,139.06
		<i>For Each Extra Column Assembly <60", Add</i>	6,198.94	
		<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	2,989.63	
		<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	2,223.92	

23 21 29 Automatic Condensate Pump Units (23 21)

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump (23 21 29)

23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS).....	146.48	16.69
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS).....	160.63	16.69
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS).....	258.88	19.25

23 21 29 00-0005 Automatic Condensate Pump With Tank (23 21 29)

23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL).....	75.76	12.84
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20).....	81.81	12.84
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS).....	141.85	16.69
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS).....	151.62	19.25
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS).....	296.93	21.82

23 22 Steam And Condensate Piping And Pumps (23 22)

23 22 13 Steam and Condensate Heating Piping (23 22)

23 22 13 00-0001 Ric-Wil System Pipe And Casing (23 22 13)

Note: Larger pipe size is usually for the condensate return. Perma, Ric-Wil or Thermacol.

23 22 13 00-0002 Steam Pipe (23 22 13 00-0001)

Note: Includes condensate return.

23 22 13 00-0003	LF	1-1/4" And 1-1/2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return.....	54.54	5.94
23 22 13 00-0004	LF	1-1/4" And 2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return.....	56.53	6.78
23 22 13 00-0005	LF	1-1/2" And 3" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return.....	65.57	7.63
23 22 13 00-0006	LF	3" And 6" Ric-Wil Pipe, 15" Case Steam Pipe With Condensate Return.....	99.35	11.87
23 22 13 00-0007	LF	4" And 8" Ric-Wil Pipe, 16-1/2" Case Steam Pipe With Condensate Return.....	128.38	16.12

23 22 13 00-0008 Steam Or Condensate Pipe (23 22 13 00-0001)

Note: Excludes return.

23 22 13 00-0009	LF	2" Steam Or Condensate Pipe, 6" Case With No Return Line.....	51.17	3.82
23 22 13 00-0010	LF	2" Steam Or Condensate Pipe, 8" Case With No Return Line.....	54.32	4.24
23 22 13 00-0011	LF	3" Steam Or Condensate Pipe, 8" Case With No Return Line.....	63.75	5.09
23 22 13 00-0012	LF	4" Steam Or Condensate Pipe, 10" Case With No Return Line.....	77.59	7.63
23 22 13 00-0013	LF	6" Steam Or Condensate Pipe, 11-1/2" Case With No Return Line.....	102.71	11.45

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 22 16 Steam And Condensate Heating Piping Specialties (23 22)**

23 22 16 00-0001	EA	Steam Temperature Regulator, Iron Body (23 22 16)		
23 22 16 00-0002	EA	Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
		Note: Up to 150 PSI.		
23 22 16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	522.61	6.51
23 22 16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	549.85	8.77
23 22 16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	729.71	10.80
23 22 16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	805.72	13.65
23 22 16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	826.71	15.68
23 22 16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	976.90	17.06
23 22 16 00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,243.44	31.25
23 22 16 00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,572.58	34.08
23 22 16 00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,305.18	79.77
23 22 16 00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,833.59	93.63
23 22 16 00-0013	EA	Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	774.80	6.51
23 22 16 00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	802.44	8.77
23 22 16 00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	838.18	10.80
23 22 16 00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,003.33	13.65
23 22 16 00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,074.84	15.68
23 22 16 00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,220.56	17.06
23 22 16 00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,870.45	31.25
23 22 16 00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,176.60	34.08
23 22 16 00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,013.28	79.77
23 22 16 00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,866.77	93.63
23 22 16 00-0024	EA	Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,056.00	6.51
23 22 16 00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,071.36	8.77
23 22 16 00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,172.48	10.80
23 22 16 00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,276.72	13.65
23 22 16 00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,322.97	15.68
23 22 16 00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,492.47	17.06
23 22 16 00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,761.93	31.25
23 22 16 00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,081.83	34.08
23 22 16 00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,899.60	79.77
23 22 16 00-0034	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,469.20	93.63
23 22 16 00-0035	EA	Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0036	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,353.16	6.51
23 22 16 00-0037	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,367.04	8.77
23 22 16 00-0038	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,484.50	10.80
23 22 16 00-0039	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,547.13	13.65
23 22 16 00-0040	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,606.75	15.68
23 22 16 00-0041	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,749.51	17.06
23 22 16 00-0042	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,910.51	31.25
23 22 16 00-0043	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,239.53	34.08
23 22 16 00-0044	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,057.30	79.77
23 22 16 00-0045	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,626.91	93.63
23 22 16 00-0046	EA	High Temperature Safety Relief Valve (23 22 16)		
		Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047	EA	Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0046)		
		Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.		
23 22 16 00-0048	EA	Threaded (23 22 16 00-0047)		
23 22 16 00-0049	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	194.49	6.78
23 22 16 00-0050	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	203.55	8.02
23 22 16 00-0051	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	224.53	10.16
23 22 16 00-0052	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	276.94	11.30
23 22 16 00-0053	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	354.56	13.89
23 22 16 00-0054	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	550.16	15.81
23 22 16 00-0055	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	596.20	18.18
23 22 16 00-0056	EA	Flanged (23 22 16 00-0047)		
23 22 16 00-0057	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	1,369.98	47.44
23 22 16 00-0058	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	1,594.84	71.32
23 22 16 00-0059	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	1,762.09	65.67
23 22 16 00-0060	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	2,140.12	94.86
23 22 16 00-0061	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	2,284.36	70.74
23 22 16 00-0062	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	2,683.86	94.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0063 EA 4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,491.55	134.61
23 22 16 00-0064 EA 6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	8,935.03	150.33
23 22 16 00-0065 Bronze Body Safety Valve, Threaded, Steam ^(23 22 16 00-0046)		
Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.		
23 22 16 00-0066 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	211.66	6.22
23 22 16 00-0067 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	216.80	6.78
23 22 16 00-0068 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	253.77	7.45
23 22 16 00-0069 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	280.25	8.02
23 22 16 00-0070 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	324.26	9.04
23 22 16 00-0071 EA 1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	325.83	10.16
23 22 16 00-0072 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	366.51	10.73
23 22 16 00-0073 EA 1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam.....	399.44	11.30
23 22 16 00-0074 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Steam.....	554.77	12.65
23 22 16 00-0075 EA 2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	606.29	13.89
23 22 16 00-0076 EA 2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	723.47	15.81
23 22 16 00-0077 Bronze Body Safety Valve, Threaded, Water ^(23 22 16 00-0046)		
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0078 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water.....	99.41	6.22
23 22 16 00-0079 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	113.30	6.78
23 22 16 00-0080 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	157.08	7.45
23 22 16 00-0081 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	172.96	8.02
23 22 16 00-0082 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	250.36	9.04
23 22 16 00-0083 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water.....	337.82	10.73
23 22 16 00-0084 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Water.....	492.96	12.65
23 22 16 00-0085 Steam Traps ^(23 22 16)		
23 22 16 00-0086 Inverted Bucket Steam Traps ^(23 22 16 00-0085)		
23 22 16 00-0087 EA 1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	206.19	16.72
For Work In Restricted Working Space, Add	10.04	
23 22 16 00-0088 EA 3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	207.58	17.42
For Work In Restricted Working Space, Add	10.45	
23 22 16 00-0089 EA 1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	315.23	18.56
For Work In Restricted Working Space, Add	11.15	
23 22 16 00-0090 EA 1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	514.13	25.33
For Work In Restricted Working Space, Add	15.20	
23 22 16 00-0091 EA 1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	771.44	31.22
For Work In Restricted Working Space, Add	18.58	
23 22 16 00-0092 EA 2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	978.20	46.45
For Work In Restricted Working Space, Add	27.87	
23 22 16 00-0093 Float And Thermostatic Steam Traps ^(23 22 16 00-0085)		
23 22 16 00-0094 EA 3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	218.18	17.42
For Work In Restricted Working Space, Add	10.45	
23 22 16 00-0095 EA 1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	291.35	18.58
For Work In Restricted Working Space, Add	11.15	
23 22 16 00-0096 EA 1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	358.24	25.33
For Work In Restricted Working Space, Add	15.20	
23 22 16 00-0097 EA 1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	487.47	30.96
For Work In Restricted Working Space, Add	18.58	
23 22 16 00-0098 EA 2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	900.42	46.43
For Work In Restricted Working Space, Add	27.87	
23 22 16 00-0099 EA 3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	282.01	17.42
For Work In Restricted Working Space, Add	10.45	
23 22 16 00-0100 EA 1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	306.80	18.56
For Work In Restricted Working Space, Add	11.15	
23 22 16 00-0101 EA 1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	400.36	25.33
For Work In Restricted Working Space, Add	15.20	
23 22 16 00-0102 EA 1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	580.15	30.93
For Work In Restricted Working Space, Add	18.58	
23 22 16 00-0103 EA 2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	994.52	46.45
For Work In Restricted Working Space, Add	27.87	
23 22 16 00-0104 EA 3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	370.49	17.42
For Work In Restricted Working Space, Add	10.45	
23 22 16 00-0105 EA 1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	413.53	18.58
For Work In Restricted Working Space, Add	11.15	
23 22 16 00-0106 EA 1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	632.09	25.33
For Work In Restricted Working Space, Add	15.20	
23 22 16 00-0107 EA 1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	643.35	30.93
For Work In Restricted Working Space, Add	18.58	
23 22 16 00-0108 EA 2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,259.94	46.45
For Work In Restricted Working Space, Add	27.87	
23 22 16 00-0109 EA 3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	376.10	17.42
For Work In Restricted Working Space, Add	10.45	
23 22 16 00-0110 EA 1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	413.53	18.58
For Work In Restricted Working Space, Add	11.15	
23 22 16 00-0111 EA 1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	632.09	25.33
For Work In Restricted Working Space, Add	15.20	
23 22 16 00-0112 EA 1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	643.35	30.93
For Work In Restricted Working Space, Add	18.58	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0113 EA 2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,259.94 27.87	46.45
23 22 16 00-0114 Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0115 EA 1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	98.60 10.04	16.72
23 22 16 00-0116 EA 3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	173.86 10.45	17.42
23 22 16 00-0117 EA 1" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	217.25 11.15	18.56
23 22 16 00-0118 Thermodynamic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0119 EA 3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	235.68	15.05
23 22 16 00-0120 EA 1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	339.61	16.72
23 22 16 00-0121 EA 3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	423.85	17.42
23 22 16 00-0122 EA 1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	572.22	18.56
23 22 16 00-0123 Steam Moisture Separator (23 22 16 00-0085)		
23 22 16 00-0124 EA 1" Steam Moisture Separator, Threaded	351.77	42.36
23 22 16 00-0125 EA 1-1/2" Steam Moisture Separator, Threaded	429.44	48.50
23 22 16 00-0126 EA 2" Steam Moisture Separator, Flanged	606.57	74.30
23 22 16 00-0127 EA 2-1/2" Steam Moisture Separator, Flanged	737.68	80.82
23 22 16 00-0128 EA 3" Steam Moisture Separator, Flanged	980.54	94.76
23 22 16 00-0129 EA 4" Steam Moisture Separator, Flanged	1,614.90	158.87
23 22 16 00-0130 EA 6" Steam Moisture Separator, Flanged	3,376.97	200.67
23 22 23 Steam Condensate Pumps (23 22)		
23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)		
23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13) Note: Cast iron receiver, float switch.		
23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0003 EA 3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	1,453.48	261.31
23 22 23 13-0004 EA 9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	1,939.34	268.50
23 22 23 13-0005 EA 15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,022.19	286.46
23 22 23 13-0006 EA 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,254.72	289.55
23 22 23 13-0007 EA 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,528.62	315.21
23 22 23 13-0008 EA 37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,875.75	315.21
23 22 23 13-0009 EA 45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,921.97	336.77
23 22 23 13-0010 EA 60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,847.07	352.17
23 22 23 13-0011 EA 75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,884.08	367.57
23 22 23 13-0012 30 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0013 EA 3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	1,690.41	279.27
23 22 23 13-0014 EA 9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,285.41	286.46
23 22 23 13-0015 EA 15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,365.00	305.46
23 22 23 13-0016 EA 22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,759.30	330.09
23 22 23 13-0017 EA 30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,921.97	337.29
23 22 23 13-0018 EA 45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,027.67	349.09
23 22 23 13-0019 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,141.50	367.57
23 22 23 13-0020 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,841.92	391.18
23 22 23 13-0021 40 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0022 EA 3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	1,875.07	320.34
23 22 23 13-0023 EA 9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,454.02	346.01
23 22 23 13-0024 EA 22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,918.51	341.91
23 22 23 13-0025 EA 30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,006.27	349.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0026 EA 45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,082.87	363.98
23 22 23 13-0027 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,884.08	367.57
23 22 23 13-0028 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,932.87	391.18
23 22 23 13-0029 50 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0030 EA 3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,805.75	347.04
23 22 23 13-0031 EA 9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	2,647.02	354.23
23 22 23 13-0032 EA 22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,094.63	356.80
23 22 23 13-0033 EA 30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,130.58	388.11
23 22 23 13-0034 EA 60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	6,722.31	418.39
23 22 23 13-0035 Duplex Condensate Pumps And Motors (23 22 23 13) Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036 20 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0037 EA 9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,484.09	350.64
23 22 23 13-0038 EA 15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,618.33	385.03
23 22 23 13-0039 EA 22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,895.80	388.11
23 22 23 13-0040 EA 30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,247.21	423.01
23 22 23 13-0041 EA 37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,701.34	423.01
23 22 23 13-0042 EA 45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,765.04	455.88
23 22 23 13-0043 EA 60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,711.76	475.89
23 22 23 13-0044 EA 75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,840.78	499.51
23 22 23 13-0045 30 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0046 EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,299.83	377.84
23 22 23 13-0047 EA 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,436.69	412.75
23 22 23 13-0048 EA 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,812.10	402.48
23 22 23 13-0049 EA 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,765.04	455.88
23 22 23 13-0050 EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,896.64	472.81
23 22 23 13-0051 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,626.78	499.51
23 22 23 13-0052 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,894.69	535.45
23 22 23 13-0053 40 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0054 EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,543.19	445.60
23 22 23 13-0055 EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,941.56	465.63
23 22 23 13-0056 EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,909.48	472.81
23 22 23 13-0057 EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,039.58	496.43
23 22 23 13-0058 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,841.85	499.51
23 22 23 13-0059 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,920.37	535.45
23 22 23 13-0060 50 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,720.81	445.60
23 22 23 13-0062 EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,007.46	489.75
23 22 23 13-0063 EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,119.16	531.85
23 22 23 13-0064 EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	9,267.95	576.00

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 23 Refrigerant Piping** (23 20)**23 23 13 Refrigerant Piping Valves** (23 23)23 23 13 00-0001 Ball Valves (23 23 13)23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series (23 23 13 00-0001)

23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	18.59	4.51
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	19.32	4.51
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	26.26	4.51
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	35.16	4.97
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	49.49	5.65
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	80.87	6.95

23 23 13 00-0009 Shut-Off Valves (23 23 13)23 23 13 00-0010 Packless (23 23 13 00-0009)

23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	27.59	5.80
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	34.25	6.36
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	69.07	8.70

23 23 13 00-0014 Packed (23 23 13 00-0009)

23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	121.96	12.65
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	162.67	15.49
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	197.77	17.45
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	281.23	19.90
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	472.73	55.74
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	619.39	69.68
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	879.14	92.92

23 23 13 00-0022 Check Valves (23 23 13)

23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration	35.32	5.58
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	107.12	6.13
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	124.41	6.97
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	167.23	7.42
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	219.36	8.58
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	323.53	10.15
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	453.02	14.89
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	597.67	19.51

23 23 13 00-0031 Solenoid Valves (23 23 13)23 23 13 00-0032 Solenoid Valve, 24 Volt Coil (23 23 13 00-0031)

23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	88.58	5.58
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	90.63	5.58
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	112.41	6.13
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	112.41	6.13
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	156.57	6.97
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	249.54	7.42
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	454.82	8.58
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	462.62	10.15

23 23 16 Refrigerant Piping Specialties (23 23)23 23 16 00-0001 Soft Refrigeration Copper Tubing (23 23 16)

Note: Based on outside diameter. Nitrogenized.

23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	2.54	1.51
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	2.59	1.51
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	2.64	1.51
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	2.82	1.51
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	2.92	1.56
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	3.34	1.67
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	3.62	1.67
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	4.23	1.95
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	5.12	2.06
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	6.63	2.51
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	9.34	2.90
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	10.98	3.12

23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (23 23 16)

Note: Nitrogenized.

23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	2.63	1.27
		For Medical Applications "Oxygen Clean", Add	0.23	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	2.99	1.27
		For Medical Applications "Oxygen Clean", Add	0.25	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	3.23	1.27
		For Medical Applications "Oxygen Clean", Add	0.26	
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	5.32	2.34
		For Medical Applications "Oxygen Clean", Add	0.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0019 LF 7/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	5.80 <i>0.48</i>	2.51
23 23 16 00-0020 LF 1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	6.72 <i>0.52</i>	2.51
23 23 16 00-0021 LF 1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	8.35 <i>0.64</i>	2.90
23 23 16 00-0022 LF 1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	10.09 <i>0.76</i>	3.34
23 23 16 00-0023 LF 2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	14.25 <i>1.03</i>	4.18
23 23 16 00-0024 LF 2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	21.37 <i>1.54</i>	6.30
23 23 16 00-0025 LF 3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	27.60 <i>1.97</i>	7.80
23 23 16 00-0026 LF 3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	32.07 <i>2.17</i>	7.50
23 23 16 00-0027 LF 4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	42.86 <i>2.98</i>	11.15
23 23 16 00-0028 Refrigeration Fittings (23 23 16)		
23 23 16 00-0029 Brass Flare Fittings (23 23 16 00-0028)		
23 23 16 00-0030 Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0031 EA 3/8" Brass Flare Union.....	9.07	4.88
23 23 16 00-0032 EA 1/2" Brass Flare Union.....	9.07	4.88
23 23 16 00-0033 EA 5/8" Brass Flare Union.....	9.53	4.88
23 23 16 00-0034 90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0035 EA 3/8" 90 Degree Brass Flare Elbow Union	9.35	4.88
23 23 16 00-0036 EA 1/2" 90 Degree Brass Flare Elbow Union	9.35	4.88
23 23 16 00-0037 EA 5/8" 90 Degree Brass Flare Elbow Union	10.88	4.88
23 23 16 00-0038 Brass Flare Tees (23 23 16 00-0029)		
23 23 16 00-0039 EA 3/8" Brass Flare Tee.....	14.82	8.13
23 23 16 00-0040 EA 1/2" Brass Flare Tee.....	15.51	8.13
23 23 16 00-0041 EA 5/8" Brass Flare Tee.....	19.23	8.13
23 23 16 00-0042 Male Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0043 EA 3/8" Brass Flare Male Connector, Half Union	7.81	4.88
23 23 16 00-0044 EA 1/2" Brass Flare Male Connector, Half Union	8.27	4.88
23 23 16 00-0045 EA 5/8" Brass Flare Male Connector, Half Union	8.92	4.88
23 23 16 00-0046 Female Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0047 EA 3/8" Brass Flare Female Connector, Half Union	8.40	4.88
23 23 16 00-0048 EA 1/2" Brass Flare Female Connector, Half Union	9.02	4.88
23 23 16 00-0049 EA 5/8" Brass Flare Female Connector, Half Union	9.02	4.88
23 23 16 00-0050 Long Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0051 EA 3/8" Brass Long Forged Nut	8.09	4.88
23 23 16 00-0052 EA 1/2" Brass Long Forged Nut	8.27	4.88
23 23 16 00-0053 EA 5/8" Brass Long Forged Nut	10.26	4.88
23 23 16 00-0054 Short Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0055 EA 3/8" Brass Short Forged Nut.....	7.83	4.88
23 23 16 00-0056 EA 1/2" Brass Short Forged Nut.....	8.24	4.88
23 23 16 00-0057 EA 5/8" Brass Short Forged Nut.....	8.33	4.88
23 23 16 00-0058 ACR Wrought Copper Fittings (23 23 16 00-0028)		
Note: Soldered.		
23 23 16 00-0059 ACR Wrought Copper Coupling (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0060 EA 1/4" ACR Wrought Copper Coupling.....	7.71	4.88
23 23 16 00-0061 EA 3/8" ACR Wrought Copper Coupling.....	7.63	4.88
23 23 16 00-0062 EA 1/2" ACR Wrought Copper Coupling.....	7.74	4.88
23 23 16 00-0063 EA 5/8" ACR Wrought Copper Coupling.....	9.83	6.30
23 23 16 00-0064 EA 3/4" ACR Wrought Copper Coupling.....	13.46	8.31
23 23 16 00-0065 EA 7/8" ACR Wrought Copper Coupling.....	13.52	8.53
23 23 16 00-0066 EA 1-1/8" ACR Wrought Copper Coupling	17.35	10.59
23 23 16 00-0067 EA 1-3/8" ACR Wrought Copper Coupling	24.36	14.49
23 23 16 00-0068 EA 1-5/8" ACR Wrought Copper Coupling	28.99	17.00
23 23 16 00-0069 EA 2-1/8" ACR Wrought Copper Coupling	36.67	20.62
23 23 16 00-0070 EA 2-5/8" ACR Wrought Copper Coupling	59.98	31.33
23 23 16 00-0071 EA 3-1/8" ACR Wrought Copper Coupling	79.52	41.19
23 23 16 00-0072 EA 4-1/8" ACR Wrought Copper Coupling	113.73	48.94

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 23 16 00-0073		ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)		
		Note: C x C		
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	8.69	4.88
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	8.76	4.88
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow.....	8.69	4.88
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	11.11	6.30
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	15.47	8.31
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	15.74	8.53
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	19.84	10.59
23 23 16 00-0081	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	25.79	14.49
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	31.84	17.00
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	42.40	20.62
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	69.99	31.33
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	90.73	41.19
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	147.47	48.94

23 23 16 00-0087		ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)		
		Note: C x C		
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	9.92	4.88
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	9.27	4.88
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow.....	9.78	4.88
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	11.70	6.30
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	14.74	8.31
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	15.67	8.53
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	20.52	10.59
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	29.30	14.49
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	35.66	17.00
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	57.57	20.62
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	89.19	31.33
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	117.71	41.19
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	223.20	48.94

23 23 16 00-0101		ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)		
		Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow.....	10.81	4.88
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow.....	9.92	4.88
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow.....	9.54	4.88
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow.....	10.37	6.30
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow.....	16.42	8.31
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow.....	14.35	8.53
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow.....	19.83	10.59
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow.....	27.05	14.49
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow.....	31.92	17.00
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow.....	41.57	20.62
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow.....	69.71	31.33
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow.....	93.54	41.19
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper 45 Degree Elbow.....	141.04	48.94

23 23 16 00-0115		ACR Wrought Copper Tee (23 23 16 00-0058)		
		Note: C x C x C		
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee.....	15.00	8.13
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee.....	15.15	8.13
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee.....	14.57	8.13
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee.....	19.77	12.65
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee.....	24.34	12.65
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee.....	21.24	12.82
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee.....	31.78	17.00
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee.....	39.35	20.62
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee.....	49.73	24.47
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee.....	69.26	32.61
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee.....	147.77	71.18
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee.....	176.29	78.27
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee.....	273.06	86.96

23 23 16 00-0129		ACR Wrought Copper Male Adapter (23 23 16 00-0058)		
		Note: C x M		
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter.....	11.69	4.88
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter.....	13.12	4.88
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter.....	10.75	4.88

23 23 16 00-0133		ACR Wrought Copper Female Adapter (23 23 16 00-0058)		
		Note: C x F		
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter.....	11.14	4.88
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter.....	10.32	4.88
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter.....	10.63	4.88

23 23 16 00-0137		ACR Wrought Copper Cap (23 23 16 00-0058)		
		Note: C		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0138	EA		1/4" ACR Wrought Copper Cap.....	5.55	3.25
23 23 16 00-0139	EA		3/8" ACR Wrought Copper Cap.....	5.29	3.25
23 23 16 00-0140	EA		1/2" ACR Wrought Copper Cap.....	5.54	3.25
23 23 16 00-0141			ACR Wrought Copper P-Trap (23 23 16 00-0058)		
23 23 16 00-0142	EA		5/8" ACR Wrought Copper P-Trap.....	33.85	5.14
23 23 16 00-0143	EA		3/4" ACR Wrought Copper P-Trap.....	44.42	5.64
23 23 16 00-0144	EA		7/8" ACR Wrought Copper P-Trap.....	40.95	5.64
23 23 16 00-0145	EA		1-1/8" ACR Wrought Copper P-Trap.....	53.59	6.16
23 23 16 00-0146	EA		1-3/8" ACR Wrought Copper P-Trap.....	91.79	6.16
23 23 16 00-0147	EA		1-5/8" ACR Wrought Copper P-Trap.....	125.56	6.68
23 23 16 00-0148	EA		2-1/8" ACR Wrought Copper P-Trap.....	213.58	7.19
23 23 16 00-0149			Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16)		
23 23 16 00-0150	EA		1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	30.52	7.70
23 23 16 00-0151	EA		3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	37.14	9.24
23 23 16 00-0152	EA		1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	44.98	11.30
23 23 16 00-0153	EA		5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	49.24	12.84
23 23 16 00-0154	EA		7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	66.90	16.43
23 23 16 00-0155	EA		1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	76.92	20.02
23 23 16 00-0156	EA		1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	121.48	23.62
23 23 16 00-0157	EA		1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	148.53	32.35
23 23 16 00-0158	EA		2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	182.06	40.04
23 23 16 00-0159			Filter Driers, Solder Connections (23 23 16)		
23 23 16 00-0160			Replaceable Core Type Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0161	EA		5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	291.93	4.62
23 23 16 00-0162	EA		7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	290.58	5.64
23 23 16 00-0163	EA		1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	370.58	5.64
23 23 16 00-0164	EA		1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	366.11	6.16
23 23 16 00-0165	EA		1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	405.41	6.68
23 23 16 00-0166	EA		2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	451.61	7.19
23 23 16 00-0167	EA		2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	526.71	7.70
23 23 16 00-0168	EA		3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	657.52	7.70
23 23 16 00-0169			Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0170	EA		1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections.....	43.04	4.62
23 23 16 00-0171	EA		3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	54.98	4.62
23 23 16 00-0172	EA		1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections.....	70.37	5.14
23 23 16 00-0173	EA		1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	81.87	5.14
23 23 16 00-0174	EA		5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	89.80	5.14
23 23 16 00-0175	EA		5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections.....	105.36	5.14
23 23 16 00-0176	EA		7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	118.38	5.64
23 23 16 00-0177	EA		7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	180.07	5.64
23 23 16 00-0178	EA		1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections.....	195.01	5.64
23 23 16 00-0179			Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0180	EA		1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	62.35	4.62
23 23 16 00-0181	EA		3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	68.72	4.62
23 23 16 00-0182	EA		1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	81.61	5.14
23 23 16 00-0183	EA		3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	74.17	4.62
23 23 16 00-0184	EA		1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	92.86	5.14
23 23 16 00-0185	EA		5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	107.29	5.14
23 23 16 00-0186			Refrigerant Compressor Discharge Mufflers (23 23 16)		
23 23 16 00-0187	EA		3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler.....	55.23	4.62
23 23 16 00-0188	EA		1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler.....	60.94	4.62
23 23 16 00-0189	EA		5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler.....	73.62	4.62
23 23 16 00-0190	EA		7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler.....	98.42	5.64
23 23 16 00-0191	EA		1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler.....	128.11	5.64
23 23 16 00-0192	EA		1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler.....	152.05	6.16
23 23 16 00-0193	EA		1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler.....	192.98	6.68
23 23 16 00-0194	EA		2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler.....	366.31	7.19
23 23 16 00-0195	EA		2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler.....	407.06	7.70
23 23 16 00-0196	EA		3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler.....	503.36	7.70
23 23 16 00-0197			Expansion Valves And Vibration Absorbers (23 23 16)		
23 23 16 00-0198			Thermostatic Expansion Valves (23 23 16 00-0197)		
			Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA		3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve.....	122.95	4.62
23 23 16 00-0200	EA		1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve.....	171.36	5.14
23 23 16 00-0201	EA		5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve.....	295.66	5.14
23 23 16 00-0202	EA		7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve.....	350.26	5.64
23 23 16 00-0203	EA		7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve.....	375.93	5.64

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0204			Electric Expansion Valves (23 23 16 00-0197) Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA		1/2 To 11 Ton Electric Expansion Valve Note: Sporlan SEI.	239.97	6.41
23 23 16 00-0206	EA		25 Ton Electric Expansion Valve Note: Sporlan SEI.	276.95	6.68
23 23 16 00-0207	EA		50 Ton Electric Expansion Valve Note: Sporlan SEI.	314.11	6.93
23 23 16 00-0208	EA		100 Ton Electric Expansion Valve Note: Sporlan SEH.	370.88	6.93
23 23 16 00-0209	EA		175 Ton Electric Expansion Valve Note: Sporlan SEH.	417.09	7.19
23 23 16 00-0210			Braided Stainless Steel Over Copper Vibration Absorber (23 23 16 00-0197)		
23 23 16 00-0211	EA		1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	32.55	6.68
23 23 16 00-0212	EA		3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	32.23	7.70
23 23 16 00-0213	EA		1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	41.95	9.75
23 23 16 00-0214	EA		5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	44.86	11.80
23 23 16 00-0215	EA		3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	52.66	14.37
23 23 16 00-0216	EA		7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	61.10	16.43
23 23 16 00-0217	EA		1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	86.60	6.16
23 23 16 00-0218	EA		1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	123.56	6.68
23 23 16 00-0219	EA		1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	155.91	6.68
23 23 16 00-0220	EA		2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	215.85	7.19
23 23 16 00-0221	EA		2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	371.85	7.70
23 23 16 00-0222	EA		3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	488.40	7.70
23 23 16 00-0223			Accumulator, Refrigerant Suction Line (23 23 16)		
23 23 16 00-0224	EA		3/4" Accumulator, Refrigeration Suction Line.....	102.63	23.35
23 23 16 00-0225	EA		7/8" Accumulator, Refrigeration Suction Line.....	138.92	32.08
23 23 16 00-0226	EA		1-1/8" Accumulator, Refrigeration Suction Line.....	163.78	42.76
23 23 16 00-0227	EA		1 3/8" Accumulator, Refrigeration Suction Line.....	234.47	51.34
23 23 16 00-0228	EA		1-5/8" Accumulator, Refrigeration Suction Line.....	325.88	64.18
23 23 16 00-0229	EA		2-1/8" Accumulator, Refrigeration Suction Line.....	500.55	85.58
23 23 16 00-0230			Special Chemicals/Component (23 23 16)		
23 23 16 00-0231	EA		Internal Coil/Refrigerant Piping Flush Note: Up to 10 ton AC system.	180.63	
23 23 23			Refrigerants (23 23)		
23 23 23 00-0001			Refrigerant (23 23 23)		
23 23 23 00-0002	LB		Refrigerant R-113.....	19.19	
23 23 23 00-0003	LB		Refrigerant R-123.....	17.88	
23 23 23 00-0004	LB		Refrigerant R-134A.....	6.74	
23 23 23 00-0005	LB		Refrigerant R-410A.....	6.93	
23 23 23 00-0006	LB		Refrigerant R-502.....	25.22	
23 25			HVAC Water Treatment (23 20)		
23 25 13			Water Treatment For Closed-Loop Hydronic Systems (23 25)		
23 25 13 00-0001			Polyethylene Chemical Storage Tanks (23 25 13)		
23 25 13 00-0002	EA		15 Gallon Chemical Storage Tank, Polyethylene.....	144.11	42.87
23 25 13 00-0003			Gas Chlorinator (23 25 13)		
23 25 13 00-0004	EA		Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	674.00	158.14
			For Booster Pump, Add	208.20	
23 25 13 00-0005	EA		Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	769.57	180.72
			For Booster Pump, Add	237.91	
23 25 13 00-0006	EA		Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,200.38	136.90
			For Booster Pump, Add	315.92	
23 25 13 00-0007			Bypass Shot Feeders (23 25 13) Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0008			In Line Mount, 125 PSIG (23 25 13 00-0007)		
23 25 13 00-0009	EA		1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG.....	588.71	145.28
23 25 13 00-0010			Floor Mount, 175 PSIG (23 25 13 00-0007)		
23 25 13 00-0011	EA		5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	850.55	218.69
23 25 13 00-0012	EA		12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,117.03	289.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 25 13 00-0013	Floor Mount, 150 LB ASME Code <small>(23 25 13 00-0007)</small>		
23 25 13 00-0014 EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	850.55	218.69
23 25 13 00-0015 EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,117.03	289.55
23 25 13 00-0016	Floor Mount, 300 LB ASME Code <small>(23 25 13 00-0007)</small>		
23 25 13 00-0017 EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,243.48	218.69
23 25 13 00-0018 EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,525.03	289.55

23 30 HVAC Air Distribution (23)

23 31 HVAC Ducts And Casings (23 30)

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0422 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts (23 31)

23 31 13 13 Rectangular Metal Ducts (23 31 13)

23 31 13 13-0001 Steel Sheet Metal Duct (23 31 13 13)

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated. Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc. Pressure class 2" w.g. and less are considered low pressure/seal class C; pressure class 3" w.g. and less are considered medium pressure/seal class B; pressure class 4" w.g. and larger are considered high pressure/seal class A. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. Field fabricated ductwork is fabricated by hand to fit unique designs and installed on site. The gauge of sheet metal is determined by the dimensional opening. Use the following to determine the minimum gauge of low pressure rectangular sheet metal ductwork unless otherwise stated by owner or drawings. The largest dimension of duct governs the gauge: up to 12" - 26 gauge, 13" to 30" - 24 gauge, 31" to 54" - 22 gauge, 55" to 84" - 20 gauge, 85" and larger - 18 gauge. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork (23 31 13 13-0001)

Note: SMACNA weight for ductwork LB/SF (surface areas) by gauge: 30 gauge - 0.656 LB/SF; 28 gauge - 0.781 LB/SF; 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF; Add 10% additional material for lappage.

23 31 13 13-0003 LB	Sheet Metal Ductwork, Low Pressure, Field Fabricated, Galvanized, Field Assemble And Install	4.78	1.10
	For Flat Oval, Add	0.18	
	For Up To 200, Add	1.79	
	For >200 To 500, Add	1.16	
	For >500 To 1,000, Add	0.75	
	For >1,000 To 2,000, Add	0.42	
	For >2,000 To 5,000, Add	0.18	
	For Work In Restricted Working Space, Add	1.08	
23 31 13 13-0004 LB	Sheet Metal Ductwork, Medium Pressure, Field Fabricated, Galvanized, Field Assemble And Install	5.39	1.28
	For Flat Oval, Add	0.19	
	For Up To 200, Add	2.00	
	For >200 To 500, Add	1.29	
	For >500 To 1,000, Add	0.84	
	For >1,000 To 2,000, Add	0.47	
	For >2,000 To 5,000, Add	0.20	
	For Work In Restricted Working Space, Add	1.24	
23 31 13 13-0005 LB	Sheet Metal Ductwork, High Pressure, Field Fabricated, Galvanized, Field Assemble And Install.....	6.38	1.46
	For Flat Oval, Add	0.20	
	For Up To 200, Add	2.32	
	For >200 To 500, Add	1.49	
	For >500 To 1,000, Add	0.99	
	For >1,000 To 2,000, Add	0.55	
	For >2,000 To 5,000, Add	0.24	
	For Work In Restricted Working Space, Add	1.51	
23 31 13 13-0006 LB	Sheet Metal Ductwork, Low Pressure, Shop Fabricated, Galvanized, Field Assemble And Install.....	3.68	1.10
	For Polyvinyl Chloride (PVC) Coated, Add	0.37	
	For Flat Oval, Add	0.28	
	For Up To 200, Add	1.66	
	For >200 To 500, Add	1.12	
	For >500 To 1,000, Add	0.64	
	For >1,000 To 2,000, Add	0.35	
	For >2,000 To 5,000, Add	0.13	
	For Work In Restricted Working Space, Add	0.55	
23 31 13 13-0007 LB	Sheet Metal Ductwork, Medium Pressure, Shop Fabricated, Galvanized, Field Assemble And Install.....	4.34	1.28
	For Polyvinyl Chloride (PVC) Coated, Add	0.46	
	For Flat Oval, Add	0.34	
	For Up To 200, Add	1.99	
	For >200 To 500, Add	1.35	
	For >500 To 1,000, Add	0.77	
	For >1,000 To 2,000, Add	0.42	
	For >2,000 To 5,000, Add	0.15	
	For Work In Restricted Working Space, Add	0.62	
23 31 13 13-0008 LB	Sheet Metal Ductwork, High Pressure, Shop Fabricated, Galvanized, Field Assemble And Install.....	5.30	1.46
	For Polyvinyl Chloride (PVC) Coated, Add	0.56	
	For Flat Oval, Add	0.42	
	For Up To 200, Add	2.43	
	For >200 To 500, Add	1.65	
	For >500 To 1,000, Add	0.94	
	For >1,000 To 2,000, Add	0.51	
	For >2,000 To 5,000, Add	0.18	
	For Work In Restricted Working Space, Add	0.75	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**MINOR
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23 31 13 13-0009	Aluminum Sheet Metal Duct Alloy 3003-H14 <small>(23 31 13 13-0001)</small> Note: SMACNA weight for ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF; 10 gauge - 1.436 LB/SF; Add 10% additional material for lapping.		
23 31 13 13-0010	LB Aluminum Sheet Metal Ductwork, Low Pressure, Alloy 3003-H14.....	7.60	1.10
	For Work In Restricted Working Space, Add	1.86	
	For Up To 200, Add	2.70	
	For >200 To 500, Add	1.72	
	For >500 To 1,000, Add	1.16	
	For >1,000 To 2,000, Add	0.65	
	For >2,000 To 5,000, Add	0.29	
23 31 13 13-0011	Stainless Steel Sheet Metal Duct Type 304 <small>(23 31 13 13-0001)</small> Note: SMACNA weight for ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF; 10 gauge - 5.670 LB/SF; Add 10% additional material for lapping.		
23 31 13 13-0012	LB Stainless Steel Sheet Metal Ductwork, Low Pressure, Type 304.....	9.41	1.46
	For Type 316 Stainless Steel, Add	0.44	
	For Welded Seams, Add	2.71	
	For Work In Restricted Working Space, Add	1.49	
	For Up To 200, Add	4.16	
	For >200 To 500, Add	2.80	
	For >500 To 1,000, Add	1.63	
	For >1,000 To 2,000, Add	0.89	
	For >2,000 To 5,000, Add	0.33	
23 31 13 13-0013	LB Stainless Steel Sheet Metal Ductwork, Medium Pressure, Type 304	10.80	1.83
	For Type 316 Stainless Steel, Add	0.51	
	For Welded Seams, Add	3.10	
	For Work In Restricted Working Space, Add	1.70	
	For Up To 200, Add	4.78	
	For >200 To 500, Add	3.22	
	For >500 To 1,000, Add	1.87	
	For >1,000 To 2,000, Add	1.02	
	For >2,000 To 5,000, Add	0.38	
23 31 13 13-0014	LB Stainless Steel Sheet Metal Ductwork, High Pressure, Type 304.....	13.14	2.20
	For Type 316 Stainless Steel, Add	0.62	
	For Welded Seams, Add	3.78	
	For Work In Restricted Working Space, Add	2.08	
	For Up To 200, Add	5.80	
	For >200 To 500, Add	3.92	
	For >500 To 1,000, Add	2.27	
	For >1,000 To 2,000, Add	1.24	
	For >2,000 To 5,000, Add	0.46	
23 31 13 16	Round and Flat-Oval Spiral Ducts <small>(23 31 13)</small>		
23 31 13 16-0001	Factory Fabricated Field Installed Low Pressure Round Duct <small>(23 31 13 16)</small> Note: Based on 26 gauge.		
23 31 13 16-0002	26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Ducts <small>(23 31 13 16-0001)</small> Note: Includes straps and supports.		
23 31 13 16-0003	LF 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	3.56	0.97
	For 28 Gauge, Deduct	-0.22	
	For 24 Gauge, Add	0.22	
	For 22 Gauge, Add	0.43	
	For 20 Gauge, Add	0.65	
	For 18 Gauge, Add	0.86	
	For 16 Gauge, Add	1.06	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.16	
	For Acid Resistant Asphaltum Coating, Add	3.76	
	For Work In Restricted Working Space, Add	0.60	
23 31 13 16-0004	LF 5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	4.20	1.10
	For 28 Gauge, Deduct	-0.28	
	For 24 Gauge, Add	0.28	
	For 22 Gauge, Add	0.55	
	For 20 Gauge, Add	0.83	
	For 18 Gauge, Add	1.10	
	For 16 Gauge, Add	1.35	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.48	
	For Acid Resistant Asphaltum Coating, Add	4.20	
	For Work In Restricted Working Space, Add	0.66	
23 31 13 16-0005	LF 6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	4.77	1.32
	For 28 Gauge, Deduct	-0.32	
	For 24 Gauge, Add	0.32	
	For 22 Gauge, Add	0.63	
	For 20 Gauge, Add	0.95	
	For 18 Gauge, Add	1.26	
	For 16 Gauge, Add	1.55	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.69	
	For Acid Resistant Asphaltum Coating, Add	4.64	
	For Work In Restricted Working Space, Add	0.74	



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23 31 13 16-0006	LF		7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	5.54	1.54
			<i>For 28 Gauge, Deduct</i>	-0.37	
			<i>For 24 Gauge, Add</i>	0.37	
			<i>For 22 Gauge, Add</i>	0.74	
			<i>For 20 Gauge, Add</i>	1.12	
			<i>For 18 Gauge, Add</i>	1.49	
			<i>For 16 Gauge, Add</i>	1.62	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.00	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	0.85	
23 31 13 16-0007	LF		8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	6.30	1.76
			<i>For 28 Gauge, Deduct</i>	-0.42	
			<i>For 24 Gauge, Add</i>	0.41	
			<i>For 22 Gauge, Add</i>	0.83	
			<i>For 20 Gauge, Add</i>	1.24	
			<i>For 18 Gauge, Add</i>	1.65	
			<i>For 16 Gauge, Add</i>	2.03	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.22	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	5.52	
			<i>For Work In Restricted Working Space, Add</i>	0.99	
23 31 13 16-0008	LF		10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	7.66	2.20
			<i>For 28 Gauge, Deduct</i>	-0.51	
			<i>For 24 Gauge, Add</i>	0.51	
			<i>For 22 Gauge, Add</i>	1.02	
			<i>For 20 Gauge, Add</i>	1.53	
			<i>For 18 Gauge, Add</i>	2.04	
			<i>For 16 Gauge, Add</i>	2.50	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.74	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	6.40	
			<i>For Work In Restricted Working Space, Add</i>	1.19	
23 31 13 16-0009	LF		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	9.50	2.95
			<i>For 28 Gauge, Deduct</i>	-0.63	
			<i>For 24 Gauge, Add</i>	0.63	
			<i>For 22 Gauge, Add</i>	1.25	
			<i>For 20 Gauge, Add</i>	1.88	
			<i>For 18 Gauge, Add</i>	2.50	
			<i>For 16 Gauge, Add</i>	3.07	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.37	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	6.90	
			<i>For Work In Restricted Working Space, Add</i>	1.49	
23 31 13 16-0010	LF		14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	11.48	4.41
			<i>For 28 Gauge, Deduct</i>	-0.73	
			<i>For 24 Gauge, Add</i>	0.73	
			<i>For 22 Gauge, Add</i>	1.46	
			<i>For 20 Gauge, Add</i>	2.19	
			<i>For 18 Gauge, Add</i>	2.91	
			<i>For 16 Gauge, Add</i>	3.57	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.91	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	7.26	
			<i>For Work In Restricted Working Space, Add</i>	1.86	
23 31 13 16-0011	LF		16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	16.10	5.91
			<i>For 28 Gauge, Deduct</i>	-1.09	
			<i>For 24 Gauge, Add</i>	1.08	
			<i>For 22 Gauge, Add</i>	2.16	
			<i>For 20 Gauge, Add</i>	3.25	
			<i>For 18 Gauge, Add</i>	4.31	
			<i>For 16 Gauge, Add</i>	5.29	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.80	
			<i>For Acid Resistant Asphaltum Coating, Add</i>	7.58	
			<i>For Work In Restricted Working Space, Add</i>	2.48	
23 31 13 16-0012			26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbows <small>(23 31 13 16-0001)</small>		
			Note: Up to 90 degree.		
23 31 13 16-0013	EA		4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	19.14	5.88
			<i>For 28 Gauge, Deduct</i>	-1.02	
			<i>For 24 Gauge, Add</i>	1.02	
			<i>For 22 Gauge, Add</i>	2.03	
			<i>For 20 Gauge, Add</i>	3.06	
			<i>For 18 Gauge, Add</i>	4.06	
			<i>For 16 Gauge, Add</i>	4.98	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.46	
			<i>For Work In Restricted Working Space, Add</i>	3.53	
23 31 13 16-0014	EA		5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	21.60	6.79
			<i>For 28 Gauge, Deduct</i>	-1.11	
			<i>For 24 Gauge, Add</i>	1.11	
			<i>For 22 Gauge, Add</i>	2.21	
			<i>For 20 Gauge, Add</i>	3.32	
			<i>For 18 Gauge, Add</i>	4.42	
			<i>For 16 Gauge, Add</i>	5.42	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.94	
			<i>For Work In Restricted Working Space, Add</i>	4.07	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0015	EA	6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	25.07	8.01
		<i>For 28 Gauge, Deduct</i>	-1.25	
		<i>For 24 Gauge, Add</i>	1.25	
		<i>For 22 Gauge, Add</i>	2.49	
		<i>For 20 Gauge, Add</i>	3.74	
		<i>For 18 Gauge, Add</i>	4.97	
		<i>For 16 Gauge, Add</i>	6.10	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.68	
		<i>For Work In Restricted Working Space, Add</i>	4.81	
23 31 13 16-0016	EA	7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	31.72	10.30
		<i>For 28 Gauge, Deduct</i>	-1.54	
		<i>For 24 Gauge, Add</i>	1.53	
		<i>For 22 Gauge, Add</i>	3.06	
		<i>For 20 Gauge, Add</i>	4.60	
		<i>For 18 Gauge, Add</i>	6.11	
		<i>For 16 Gauge, Add</i>	7.49	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.21	
		<i>For Work In Restricted Working Space, Add</i>	6.19	
23 31 13 16-0017	EA	8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	37.10	12.55
		<i>For 28 Gauge, Deduct</i>	-1.66	
		<i>For 24 Gauge, Add</i>	1.65	
		<i>For 22 Gauge, Add</i>	3.30	
		<i>For 20 Gauge, Add</i>	4.96	
		<i>For 18 Gauge, Add</i>	6.59	
		<i>For 16 Gauge, Add</i>	8.09	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.87	
		<i>For Work In Restricted Working Space, Add</i>	7.53	
23 31 13 16-0018	EA	10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	55.03	19.61
		<i>For 28 Gauge, Deduct</i>	-2.19	
		<i>For 24 Gauge, Add</i>	2.18	
		<i>For 22 Gauge, Add</i>	4.36	
		<i>For 20 Gauge, Add</i>	6.55	
		<i>For 18 Gauge, Add</i>	8.70	
		<i>For 16 Gauge, Add</i>	10.68	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	11.71	
		<i>For Work In Restricted Working Space, Add</i>	11.76	
23 31 13 16-0019	EA	12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	75.63	27.09
		<i>For 28 Gauge, Deduct</i>	-2.97	
		<i>For 24 Gauge, Add</i>	2.96	
		<i>For 22 Gauge, Add</i>	5.91	
		<i>For 20 Gauge, Add</i>	8.88	
		<i>For 18 Gauge, Add</i>	11.79	
		<i>For 16 Gauge, Add</i>	14.47	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	15.87	
		<i>For Work In Restricted Working Space, Add</i>	16.26	
23 31 13 16-0020	EA	14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	96.97	32.05
		<i>For 28 Gauge, Deduct</i>	-4.55	
		<i>For 24 Gauge, Add</i>	4.54	
		<i>For 22 Gauge, Add</i>	9.06	
		<i>For 20 Gauge, Add</i>	13.61	
		<i>For 18 Gauge, Add</i>	18.08	
		<i>For 16 Gauge, Add</i>	22.19	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.32	
		<i>For Work In Restricted Working Space, Add</i>	19.23	
23 31 13 16-0021	EA	16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	117.59	35.25
		<i>For 28 Gauge, Deduct</i>	-6.52	
		<i>For 24 Gauge, Add</i>	6.50	
		<i>For 22 Gauge, Add</i>	12.98	
		<i>For 20 Gauge, Add</i>	19.50	
		<i>For 18 Gauge, Add</i>	25.91	
		<i>For 16 Gauge, Add</i>	31.79	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	34.85	
		<i>For Work In Restricted Working Space, Add</i>	21.15	
23 31 13 16-0022		26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0023	EA	4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	16.11	3.96
		<i>For 28 Gauge, Deduct</i>	-0.86	
		<i>For 24 Gauge, Add</i>	0.86	
		<i>For 22 Gauge, Add</i>	1.71	
		<i>For 20 Gauge, Add</i>	2.57	
		<i>For 18 Gauge, Add</i>	3.41	
		<i>For 16 Gauge, Add</i>	4.19	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.59	
		<i>For Work In Restricted Working Space, Add</i>	2.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0024	EA		5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	18.40	4.54
			<i>For 28 Gauge, Deduct</i>	-0.98	
			<i>For 24 Gauge, Add</i>	0.98	
			<i>For 22 Gauge, Add</i>	1.95	
			<i>For 20 Gauge, Add</i>	2.93	
			<i>For 18 Gauge, Add</i>	3.89	
			<i>For 16 Gauge, Add</i>	4.77	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.23	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
23 31 13 16-0025	EA		6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	21.26	5.29
			<i>For 28 Gauge, Deduct</i>	-1.11	
			<i>For 24 Gauge, Add</i>	1.11	
			<i>For 22 Gauge, Add</i>	2.22	
			<i>For 20 Gauge, Add</i>	3.33	
			<i>For 18 Gauge, Add</i>	4.43	
			<i>For 16 Gauge, Add</i>	5.43	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.96	
			<i>For Work In Restricted Working Space, Add</i>	3.96	
23 31 13 16-0026	EA		7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	24.39	6.34
			<i>For 28 Gauge, Deduct</i>	-1.18	
			<i>For 24 Gauge, Add</i>	1.18	
			<i>For 22 Gauge, Add</i>	2.35	
			<i>For 20 Gauge, Add</i>	3.53	
			<i>For 18 Gauge, Add</i>	4.69	
			<i>For 16 Gauge, Add</i>	5.76	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.31	
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 31 13 16-0027	EA		8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	29.73	7.93
			<i>For 28 Gauge, Deduct</i>	-1.37	
			<i>For 24 Gauge, Add</i>	1.37	
			<i>For 22 Gauge, Add</i>	2.73	
			<i>For 20 Gauge, Add</i>	4.10	
			<i>For 18 Gauge, Add</i>	5.45	
			<i>For 16 Gauge, Add</i>	6.68	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.33	
			<i>For Work In Restricted Working Space, Add</i>	5.95	
23 31 13 16-0028	EA		10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	40.58	10.58
			<i>For 28 Gauge, Deduct</i>	-1.96	
			<i>For 24 Gauge, Add</i>	1.95	
			<i>For 22 Gauge, Add</i>	3.90	
			<i>For 20 Gauge, Add</i>	5.86	
			<i>For 18 Gauge, Add</i>	7.78	
			<i>For 16 Gauge, Add</i>	9.55	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.47	
			<i>For Work In Restricted Working Space, Add</i>	7.93	
23 31 13 16-0029	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	58.37	15.86
			<i>For 28 Gauge, Deduct</i>	-2.59	
			<i>For 24 Gauge, Add</i>	2.58	
			<i>For 22 Gauge, Add</i>	5.16	
			<i>For 20 Gauge, Add</i>	7.75	
			<i>For 18 Gauge, Add</i>	10.30	
			<i>For 16 Gauge, Add</i>	12.64	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	13.85	
			<i>For Work In Restricted Working Space, Add</i>	11.90	
23 31 13 16-0030	EA		14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	85.70	20.26
			<i>For 28 Gauge, Deduct</i>	-4.85	
			<i>For 24 Gauge, Add</i>	4.84	
			<i>For 22 Gauge, Add</i>	9.65	
			<i>For 20 Gauge, Add</i>	14.51	
			<i>For 18 Gauge, Add</i>	19.27	
			<i>For 16 Gauge, Add</i>	23.65	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	25.93	
			<i>For Work In Restricted Working Space, Add</i>	15.20	
23 31 13 16-0031	EA		16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	106.76	25.55
			<i>For 28 Gauge, Deduct</i>	-5.94	
			<i>For 24 Gauge, Add</i>	5.92	
			<i>For 22 Gauge, Add</i>	11.81	
			<i>For 20 Gauge, Add</i>	17.75	
			<i>For 18 Gauge, Add</i>	23.58	
			<i>For 16 Gauge, Add</i>	28.94	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.73	
			<i>For Work In Restricted Working Space, Add</i>	19.16	
23 31 13 16-0032			26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbows <small>(23 31 13 16-0001)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0033	EA		4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	13.81	3.96
			<i>For 28 Gauge, Deduct</i>	-0.54	
			<i>For 24 Gauge, Add</i>	0.54	
			<i>For 22 Gauge, Add</i>	1.07	
			<i>For 20 Gauge, Add</i>	1.61	
			<i>For 18 Gauge, Add</i>	2.15	
			<i>For 16 Gauge, Add</i>	2.63	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.89	
			<i>For Work In Restricted Working Space, Add</i>	2.97	
23 31 13 16-0034	EA		5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	16.34	4.54
			<i>For 28 Gauge, Deduct</i>	-0.69	
			<i>For 24 Gauge, Add</i>	0.69	
			<i>For 22 Gauge, Add</i>	1.38	
			<i>For 20 Gauge, Add</i>	2.07	
			<i>For 18 Gauge, Add</i>	2.76	
			<i>For 16 Gauge, Add</i>	3.38	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.71	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
23 31 13 16-0035	EA		6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	18.67	5.29
			<i>For 28 Gauge, Deduct</i>	-0.76	
			<i>For 24 Gauge, Add</i>	0.75	
			<i>For 22 Gauge, Add</i>	1.50	
			<i>For 20 Gauge, Add</i>	2.26	
			<i>For 18 Gauge, Add</i>	3.00	
			<i>For 16 Gauge, Add</i>	3.69	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.04	
			<i>For Work In Restricted Working Space, Add</i>	3.96	
23 31 13 16-0036	EA		7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	22.19	6.34
			<i>For 28 Gauge, Deduct</i>	-0.88	
			<i>For 24 Gauge, Add</i>	0.87	
			<i>For 22 Gauge, Add</i>	1.74	
			<i>For 20 Gauge, Add</i>	2.62	
			<i>For 18 Gauge, Add</i>	3.48	
			<i>For 16 Gauge, Add</i>	4.27	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 31 13 16-0037	EA		8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	27.03	7.93
			<i>For 28 Gauge, Deduct</i>	-1.00	
			<i>For 24 Gauge, Add</i>	0.99	
			<i>For 22 Gauge, Add</i>	1.98	
			<i>For 20 Gauge, Add</i>	2.98	
			<i>For 18 Gauge, Add</i>	3.96	
			<i>For 16 Gauge, Add</i>	4.86	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.33	
			<i>For Work In Restricted Working Space, Add</i>	5.95	
23 31 13 16-0038	EA		10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	37.42	10.58
			<i>For 28 Gauge, Deduct</i>	-1.52	
			<i>For 24 Gauge, Add</i>	1.52	
			<i>For 22 Gauge, Add</i>	3.03	
			<i>For 20 Gauge, Add</i>	4.55	
			<i>For 18 Gauge, Add</i>	6.04	
			<i>For 16 Gauge, Add</i>	7.42	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.13	
			<i>For Work In Restricted Working Space, Add</i>	7.93	
23 31 13 16-0039	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	53.80	15.86
			<i>For 28 Gauge, Deduct</i>	-1.96	
			<i>For 24 Gauge, Add</i>	1.95	
			<i>For 22 Gauge, Add</i>	3.90	
			<i>For 20 Gauge, Add</i>	5.86	
			<i>For 18 Gauge, Add</i>	7.78	
			<i>For 16 Gauge, Add</i>	9.55	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.47	
			<i>For Work In Restricted Working Space, Add</i>	11.90	
23 31 13 16-0040	EA		14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	75.15	20.26
			<i>For 28 Gauge, Deduct</i>	-3.39	
			<i>For 24 Gauge, Add</i>	3.38	
			<i>For 22 Gauge, Add</i>	6.75	
			<i>For 20 Gauge, Add</i>	10.14	
			<i>For 18 Gauge, Add</i>	13.47	
			<i>For 16 Gauge, Add</i>	16.53	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	18.12	
			<i>For Work In Restricted Working Space, Add</i>	15.20	
23 31 13 16-0041	EA		16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	104.04	25.55
			<i>For 28 Gauge, Deduct</i>	-5.56	
			<i>For 24 Gauge, Add</i>	5.54	
			<i>For 22 Gauge, Add</i>	11.06	
			<i>For 20 Gauge, Add</i>	16.63	
			<i>For 18 Gauge, Add</i>	22.09	
			<i>For 16 Gauge, Add</i>	27.11	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	29.72	
			<i>For Work In Restricted Working Space, Add</i>	19.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 16-0042 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tees (23 31 13 16-0001)

23 31 13 16-0043	EA		4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	23.54	5.95
			<i>For 28 Gauge, Deduct</i>	-1.20	
			<i>For 24 Gauge, Add</i>	1.20	
			<i>For 22 Gauge, Add</i>	2.39	
			<i>For 20 Gauge, Add</i>	3.59	
			<i>For 18 Gauge, Add</i>	4.77	
			<i>For 16 Gauge, Add</i>	5.86	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.42	
			<i>For Work In Restricted Working Space, Add</i>	4.46	
23 31 13 16-0044	EA		5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	28.53	6.79
			<i>For 28 Gauge, Deduct</i>	-1.60	
			<i>For 24 Gauge, Add</i>	1.59	
			<i>For 22 Gauge, Add</i>	3.18	
			<i>For 20 Gauge, Add</i>	4.78	
			<i>For 18 Gauge, Add</i>	6.35	
			<i>For 16 Gauge, Add</i>	7.79	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.54	
			<i>For Work In Restricted Working Space, Add</i>	5.10	
23 31 13 16-0045	EA		6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	32.35	7.93
			<i>For 28 Gauge, Deduct</i>	-1.73	
			<i>For 24 Gauge, Add</i>	1.73	
			<i>For 22 Gauge, Add</i>	3.45	
			<i>For 20 Gauge, Add</i>	5.18	
			<i>For 18 Gauge, Add</i>	6.89	
			<i>For 16 Gauge, Add</i>	8.45	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.26	
			<i>For Work In Restricted Working Space, Add</i>	5.95	
23 31 13 16-0046	EA		7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	38.20	9.51
			<i>For 28 Gauge, Deduct</i>	-2.00	
			<i>For 24 Gauge, Add</i>	1.99	
			<i>For 22 Gauge, Add</i>	3.97	
			<i>For 20 Gauge, Add</i>	5.97	
			<i>For 18 Gauge, Add</i>	7.93	
			<i>For 16 Gauge, Add</i>	9.73	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.66	
			<i>For Work In Restricted Working Space, Add</i>	7.14	
23 31 13 16-0047	EA		8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	53.03	11.89
			<i>For 28 Gauge, Deduct</i>	-3.23	
			<i>For 24 Gauge, Add</i>	3.21	
			<i>For 22 Gauge, Add</i>	6.42	
			<i>For 20 Gauge, Add</i>	9.64	
			<i>For 18 Gauge, Add</i>	12.81	
			<i>For 16 Gauge, Add</i>	15.72	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.23	
			<i>For Work In Restricted Working Space, Add</i>	8.92	
23 31 13 16-0048	EA		10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	69.36	15.86
			<i>For 28 Gauge, Deduct</i>	-4.11	
			<i>For 24 Gauge, Add</i>	4.10	
			<i>For 22 Gauge, Add</i>	8.19	
			<i>For 20 Gauge, Add</i>	12.30	
			<i>For 18 Gauge, Add</i>	16.34	
			<i>For 16 Gauge, Add</i>	20.05	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	21.99	
			<i>For Work In Restricted Working Space, Add</i>	11.90	
23 31 13 16-0049	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	89.17	23.79
			<i>For 28 Gauge, Deduct</i>	-4.11	
			<i>For 24 Gauge, Add</i>	4.10	
			<i>For 22 Gauge, Add</i>	8.19	
			<i>For 20 Gauge, Add</i>	12.30	
			<i>For 18 Gauge, Add</i>	16.34	
			<i>For 16 Gauge, Add</i>	20.05	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	21.99	
			<i>For Work In Restricted Working Space, Add</i>	17.84	
23 31 13 16-0050	EA		14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	132.55	30.31
			<i>For 28 Gauge, Deduct</i>	-7.84	
			<i>For 24 Gauge, Add</i>	7.81	
			<i>For 22 Gauge, Add</i>	15.59	
			<i>For 20 Gauge, Add</i>	23.43	
			<i>For 18 Gauge, Add</i>	31.12	
			<i>For 16 Gauge, Add</i>	38.20	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	41.88	
			<i>For Work In Restricted Working Space, Add</i>	22.79	
23 31 13 16-0051	EA		16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	175.23	38.42
			<i>For 28 Gauge, Deduct</i>	-11.00	
			<i>For 24 Gauge, Add</i>	10.96	
			<i>For 22 Gauge, Add</i>	21.89	
			<i>For 20 Gauge, Add</i>	32.89	
			<i>For 18 Gauge, Add</i>	43.70	
			<i>For 16 Gauge, Add</i>	53.63	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	58.79	
			<i>For Work In Restricted Working Space, Add</i>	28.73	

23 31 13 16-0052 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connectors (23 31 13 16-0001)

23 31 13 16-0053	EA		4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	9.97	
			<i>For Work In Restricted Working Space, Add</i>	2.12	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0054	EA		5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector <i>For Work In Restricted Working Space, Add</i>	10.54 2.22	
23 31 13 16-0055	EA		6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector <i>For Work In Restricted Working Space, Add</i>	11.30 2.38	
23 31 13 16-0056	EA		7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector <i>For Work In Restricted Working Space, Add</i>	12.22 2.51	
23 31 13 16-0057	EA		8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector <i>For Work In Restricted Working Space, Add</i>	13.38 2.71	
23 31 13 16-0058	EA		10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector <i>For Work In Restricted Working Space, Add</i>	16.95 3.03	
23 31 13 16-0059	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector <i>For Work In Restricted Working Space, Add</i>	22.36 4.23	
23 31 13 16-0060	EA		14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector <i>For Work In Restricted Working Space, Add</i>	25.66 4.81	
23 31 13 16-0061	EA		16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector <i>For Work In Restricted Working Space, Add</i>	28.35 5.27	
23 31 13 16-0062			26 Gauge, Slip Joint, Galvanized, Spiral Duct And Fittings (23 31 13 16)		
23 31 13 16-0063			26 Gauge, Slip Joint, Galvanized, Spiral Duct (23 31 13 16-0062)		
23 31 13 16-0064	LF		4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i> <i>For 16 Gauge, Add</i> <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i>	3.77 0.32 0.73 1.19 1.83 2.23 1.18 0.65	0.41
23 31 13 16-0065	LF		6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i> <i>For 16 Gauge, Add</i> <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i>	4.92 0.46 1.06 1.73 2.65 3.22 1.70 0.79	0.81
23 31 13 16-0066	LF		8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i> <i>For 16 Gauge, Add</i> <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i>	6.27 0.61 1.39 2.27 3.48 4.24 2.24 0.97	0.81
23 31 13 16-0067	LF		10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i> <i>For 16 Gauge, Add</i> <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.63 0.75 1.72 2.81 4.30 5.24 2.77 1.17	0.81
23 31 13 16-0068	LF		12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i> <i>For 16 Gauge, Add</i> <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.49 0.92 2.12 3.46 5.30 6.45 3.41 1.46	1.22
23 31 13 16-0069	LF		14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i> <i>For 16 Gauge, Add</i> <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.43 1.07 2.46 4.01 6.14 7.48 3.95 1.83	1.22
23 31 13 16-0070	LF		16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i> <i>For 16 Gauge, Add</i> <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.86 1.55 3.57 5.81 8.91 10.85 5.74 2.43	1.22
23 31 13 16-0071	LF		18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i> <i>For 16 Gauge, Add</i> <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.04 1.72 3.95 6.44 9.88 12.03 6.36 2.84	1.62



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0072	LF	20"	26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	20.33	1.62
			<i>For 24 Gauge, Add</i>	1.92	
			<i>For 22 Gauge, Add</i>	4.41	
			<i>For 20 Gauge, Add</i>	7.19	
			<i>For 18 Gauge, Add</i>	11.03	
			<i>For 16 Gauge, Add</i>	13.43	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.10	
			<i>For Work In Restricted Working Space, Add</i>	3.22	
23 31 13 16-0073	LF	22"	26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	22.70	2.03
			<i>For 24 Gauge, Add</i>	2.12	
			<i>For 22 Gauge, Add</i>	4.88	
			<i>For 20 Gauge, Add</i>	7.95	
			<i>For 18 Gauge, Add</i>	12.19	
			<i>For 16 Gauge, Add</i>	14.84	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.84	
			<i>For Work In Restricted Working Space, Add</i>	3.63	
23 31 13 16-0074	LF	24"	26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	25.06	2.43
			<i>For 24 Gauge, Add</i>	2.30	
			<i>For 22 Gauge, Add</i>	5.30	
			<i>For 20 Gauge, Add</i>	8.64	
			<i>For 18 Gauge, Add</i>	13.25	
			<i>For 16 Gauge, Add</i>	16.13	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.52	
			<i>For Work In Restricted Working Space, Add</i>	4.06	
23 31 13 16-0075			26 Gauge, Slip Joint, Galvanized, Spiral 90 Degree Elbows (23 31 13 16-0062)		
23 31 13 16-0076	EA	4"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	36.06	5.69
			<i>For 24 Gauge, Add</i>	2.82	
			<i>For 22 Gauge, Add</i>	6.49	
			<i>For 20 Gauge, Add</i>	10.58	
			<i>For 18 Gauge, Add</i>	16.23	
			<i>For 16 Gauge, Add</i>	19.75	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.44	
			<i>For Work In Restricted Working Space, Add</i>	6.59	
23 31 13 16-0077	EA	6"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	52.52	8.12
			<i>For 24 Gauge, Add</i>	4.01	
			<i>For 22 Gauge, Add</i>	9.21	
			<i>For 20 Gauge, Add</i>	15.02	
			<i>For 18 Gauge, Add</i>	23.03	
			<i>For 16 Gauge, Add</i>	28.04	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.82	
			<i>For Work In Restricted Working Space, Add</i>	9.75	
23 31 13 16-0078	EA	8"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	80.95	10.55
			<i>For 24 Gauge, Add</i>	7.64	
			<i>For 22 Gauge, Add</i>	17.57	
			<i>For 20 Gauge, Add</i>	28.65	
			<i>For 18 Gauge, Add</i>	43.93	
			<i>For 16 Gauge, Add</i>	53.48	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	28.27	
			<i>For Work In Restricted Working Space, Add</i>	12.83	
23 31 13 16-0079	EA	10"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	99.11	13.40
			<i>For 24 Gauge, Add</i>	8.99	
			<i>For 22 Gauge, Add</i>	20.69	
			<i>For 20 Gauge, Add</i>	33.73	
			<i>For 18 Gauge, Add</i>	51.72	
			<i>For 16 Gauge, Add</i>	62.96	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	33.28	
			<i>For Work In Restricted Working Space, Add</i>	16.24	
23 31 13 16-0080	EA	12"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	120.48	17.05
			<i>For 24 Gauge, Add</i>	10.56	
			<i>For 22 Gauge, Add</i>	24.29	
			<i>For 20 Gauge, Add</i>	39.60	
			<i>For 18 Gauge, Add</i>	60.72	
			<i>For 16 Gauge, Add</i>	73.92	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	39.07	
			<i>For Work In Restricted Working Space, Add</i>	20.30	
23 31 13 16-0081	EA	14"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	132.61	18.68
			<i>For 24 Gauge, Add</i>	11.76	
			<i>For 22 Gauge, Add</i>	27.04	
			<i>For 20 Gauge, Add</i>	44.09	
			<i>For 18 Gauge, Add</i>	67.60	
			<i>For 16 Gauge, Add</i>	82.29	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	43.50	
			<i>For Work In Restricted Working Space, Add</i>	22.15	
23 31 13 16-0082	EA	16"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	156.13	21.93
			<i>For 24 Gauge, Add</i>	13.76	
			<i>For 22 Gauge, Add</i>	31.65	
			<i>For 20 Gauge, Add</i>	51.60	
			<i>For 18 Gauge, Add</i>	79.12	
			<i>For 16 Gauge, Add</i>	96.32	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	50.91	
			<i>For Work In Restricted Working Space, Add</i>	26.20	
23 31 13 16-0083	EA	18"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	187.45	27.20
			<i>For 24 Gauge, Add</i>	15.83	
			<i>For 22 Gauge, Add</i>	36.41	
			<i>For 20 Gauge, Add</i>	59.37	
			<i>For 18 Gauge, Add</i>	91.03	
			<i>For 16 Gauge, Add</i>	110.82	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	58.58	
			<i>For Work In Restricted Working Space, Add</i>	32.49	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0084	EA		20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	224.44	32.89
			<i>For 24 Gauge, Add</i>	18.69	
			<i>For 22 Gauge, Add</i>	42.98	
			<i>For 20 Gauge, Add</i>	70.08	
			<i>For 18 Gauge, Add</i>	107.46	
			<i>For 16 Gauge, Add</i>	130.82	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	69.15	
			<i>For Work In Restricted Working Space, Add</i>	39.30	
23 31 13 16-0085	EA		22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	259.29	38.17
			<i>For 24 Gauge, Add</i>	21.21	
			<i>For 22 Gauge, Add</i>	48.78	
			<i>For 20 Gauge, Add</i>	79.54	
			<i>For 18 Gauge, Add</i>	121.96	
			<i>For 16 Gauge, Add</i>	148.47	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	78.48	
			<i>For Work In Restricted Working Space, Add</i>	45.97	
23 31 13 16-0086	EA		24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	303.68	43.46
			<i>For 24 Gauge, Add</i>	26.18	
			<i>For 22 Gauge, Add</i>	60.20	
			<i>For 20 Gauge, Add</i>	98.16	
			<i>For 18 Gauge, Add</i>	150.51	
			<i>For 16 Gauge, Add</i>	183.23	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	96.85	
			<i>For Work In Restricted Working Space, Add</i>	51.84	
23 31 13 16-0087			26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows (23 31 13 16-0062)		
23 31 13 16-0088	EA		4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	36.72	5.69
			<i>For 24 Gauge, Add</i>	2.95	
			<i>For 22 Gauge, Add</i>	6.79	
			<i>For 20 Gauge, Add</i>	11.08	
			<i>For 18 Gauge, Add</i>	16.99	
			<i>For 16 Gauge, Add</i>	20.68	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.93	
			<i>For Work In Restricted Working Space, Add</i>	6.59	
23 31 13 16-0089	EA		6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	49.08	8.12
			<i>For 24 Gauge, Add</i>	3.32	
			<i>For 22 Gauge, Add</i>	7.63	
			<i>For 20 Gauge, Add</i>	12.44	
			<i>For 18 Gauge, Add</i>	19.08	
			<i>For 16 Gauge, Add</i>	23.23	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	12.28	
			<i>For Work In Restricted Working Space, Add</i>	9.75	
23 31 13 16-0090	EA		8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	65.00	10.55
			<i>For 24 Gauge, Add</i>	4.45	
			<i>For 22 Gauge, Add</i>	10.24	
			<i>For 20 Gauge, Add</i>	16.69	
			<i>For 18 Gauge, Add</i>	25.59	
			<i>For 16 Gauge, Add</i>	31.15	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.47	
			<i>For Work In Restricted Working Space, Add</i>	12.83	
23 31 13 16-0091	EA		10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	81.95	13.40
			<i>For 24 Gauge, Add</i>	5.56	
			<i>For 22 Gauge, Add</i>	12.79	
			<i>For 20 Gauge, Add</i>	20.86	
			<i>For 18 Gauge, Add</i>	31.98	
			<i>For 16 Gauge, Add</i>	38.93	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.58	
			<i>For Work In Restricted Working Space, Add</i>	16.24	
23 31 13 16-0092	EA		12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	100.00	17.05
			<i>For 24 Gauge, Add</i>	6.46	
			<i>For 22 Gauge, Add</i>	14.87	
			<i>For 20 Gauge, Add</i>	24.24	
			<i>For 18 Gauge, Add</i>	37.17	
			<i>For 16 Gauge, Add</i>	45.25	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.92	
			<i>For Work In Restricted Working Space, Add</i>	20.30	
23 31 13 16-0093	EA		14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	109.76	18.68
			<i>For 24 Gauge, Add</i>	7.19	
			<i>For 22 Gauge, Add</i>	16.53	
			<i>For 20 Gauge, Add</i>	26.95	
			<i>For 18 Gauge, Add</i>	41.32	
			<i>For 16 Gauge, Add</i>	50.30	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	26.59	
			<i>For Work In Restricted Working Space, Add</i>	22.15	
23 31 13 16-0094	EA		16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	146.23	21.93
			<i>For 24 Gauge, Add</i>	11.78	
			<i>For 22 Gauge, Add</i>	27.09	
			<i>For 20 Gauge, Add</i>	44.18	
			<i>For 18 Gauge, Add</i>	67.74	
			<i>For 16 Gauge, Add</i>	82.46	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	43.59	
			<i>For Work In Restricted Working Space, Add</i>	26.20	
23 31 13 16-0095	EA		18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	180.44	27.20
			<i>For 24 Gauge, Add</i>	14.43	
			<i>For 22 Gauge, Add</i>	33.19	
			<i>For 20 Gauge, Add</i>	54.11	
			<i>For 18 Gauge, Add</i>	82.97	
			<i>For 16 Gauge, Add</i>	101.01	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	53.39	
			<i>For Work In Restricted Working Space, Add</i>	32.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0096	EA	20"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	222.30	32.89
			<i>For 24 Gauge, Add</i>	18.26	
			<i>For 22 Gauge, Add</i>	42.00	
			<i>For 20 Gauge, Add</i>	68.48	
			<i>For 18 Gauge, Add</i>	105.00	
			<i>For 16 Gauge, Add</i>	127.82	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	67.56	
			<i>For Work In Restricted Working Space, Add</i>	39.30	
23 31 13 16-0097	EA	22"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	234.96	38.17
			<i>For 24 Gauge, Add</i>	16.34	
			<i>For 22 Gauge, Add</i>	37.59	
			<i>For 20 Gauge, Add</i>	61.29	
			<i>For 18 Gauge, Add</i>	93.98	
			<i>For 16 Gauge, Add</i>	114.41	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	60.47	
			<i>For Work In Restricted Working Space, Add</i>	45.97	
23 31 13 16-0098	EA	24"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	295.02	43.46
			<i>For 24 Gauge, Add</i>	24.44	
			<i>For 22 Gauge, Add</i>	56.22	
			<i>For 20 Gauge, Add</i>	91.67	
			<i>For 18 Gauge, Add</i>	140.55	
			<i>For 16 Gauge, Add</i>	171.11	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	90.44	
			<i>For Work In Restricted Working Space, Add</i>	51.84	
23 31 13 16-0099			26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals		
			<small>(23 31 13 16-0062)</small>		
23 31 13 16-0100	EA	6" x 6" x 4"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	74.50	10.55
			<i>For 24 Gauge, Add</i>	6.35	
			<i>For 22 Gauge, Add</i>	14.61	
			<i>For 20 Gauge, Add</i>	23.81	
			<i>For 18 Gauge, Add</i>	36.51	
			<i>For 16 Gauge, Add</i>	44.45	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.50	
			<i>For Work In Restricted Working Space, Add</i>	12.83	
23 31 13 16-0101	EA	8" x 8" x 4"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	100.96	17.05
			<i>For 24 Gauge, Add</i>	6.66	
			<i>For 22 Gauge, Add</i>	15.31	
			<i>For 20 Gauge, Add</i>	24.96	
			<i>For 18 Gauge, Add</i>	38.27	
			<i>For 16 Gauge, Add</i>	46.59	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.63	
			<i>For Work In Restricted Working Space, Add</i>	20.30	
23 31 13 16-0102	EA	10" x 10" x 4"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	123.87	21.93
			<i>For 24 Gauge, Add</i>	7.31	
			<i>For 22 Gauge, Add</i>	16.81	
			<i>For 20 Gauge, Add</i>	27.41	
			<i>For 18 Gauge, Add</i>	42.02	
			<i>For 16 Gauge, Add</i>	51.16	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.04	
			<i>For Work In Restricted Working Space, Add</i>	26.20	
23 31 13 16-0103	EA	12" x 12" x 4"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	146.46	27.20
			<i>For 24 Gauge, Add</i>	7.63	
			<i>For 22 Gauge, Add</i>	17.56	
			<i>For 20 Gauge, Add</i>	28.63	
			<i>For 18 Gauge, Add</i>	43.90	
			<i>For 16 Gauge, Add</i>	53.44	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	28.25	
			<i>For Work In Restricted Working Space, Add</i>	32.49	
23 31 13 16-0104	EA	14" x 14" x 4"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	170.42	32.89
			<i>For 24 Gauge, Add</i>	7.88	
			<i>For 22 Gauge, Add</i>	18.13	
			<i>For 20 Gauge, Add</i>	29.57	
			<i>For 18 Gauge, Add</i>	45.33	
			<i>For 16 Gauge, Add</i>	55.19	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	29.17	
			<i>For Work In Restricted Working Space, Add</i>	39.30	
23 31 13 16-0105	EA	16" x 16" x 4"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	196.11	38.17
			<i>For 24 Gauge, Add</i>	8.57	
			<i>For 22 Gauge, Add</i>	19.72	
			<i>For 20 Gauge, Add</i>	32.15	
			<i>For 18 Gauge, Add</i>	49.30	
			<i>For 16 Gauge, Add</i>	60.02	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.72	
			<i>For Work In Restricted Working Space, Add</i>	45.97	
23 31 13 16-0106	EA	18" x 18" x 4"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	217.40	43.46
			<i>For 24 Gauge, Add</i>	8.92	
			<i>For 22 Gauge, Add</i>	20.52	
			<i>For 20 Gauge, Add</i>	33.45	
			<i>For 18 Gauge, Add</i>	51.29	
			<i>For 16 Gauge, Add</i>	62.44	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	33.00	
			<i>For Work In Restricted Working Space, Add</i>	51.84	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0107	EA	20" x 20" x 4"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....244.32	244.32	49.54
			<i>For 24 Gauge, Add</i>	9.25	
			<i>For 22 Gauge, Add</i>	21.27	
			<i>For 20 Gauge, Add</i>	34.67	
			<i>For 18 Gauge, Add</i>	53.16	
			<i>For 16 Gauge, Add</i>	64.72	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	34.21	
			<i>For Work In Restricted Working Space, Add</i>	59.43	
23 31 13 16-0108	EA	22" x 22" x 4"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....275.14	275.14	54.82
			<i>For 24 Gauge, Add</i>	11.13	
			<i>For 22 Gauge, Add</i>	25.59	
			<i>For 20 Gauge, Add</i>	41.72	
			<i>For 18 Gauge, Add</i>	63.97	
			<i>For 16 Gauge, Add</i>	77.88	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	41.17	
			<i>For Work In Restricted Working Space, Add</i>	65.85	
23 31 13 16-0109	EA	24" x 24" x 4"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....296.32	296.32	59.70
			<i>For 24 Gauge, Add</i>	11.49	
			<i>For 22 Gauge, Add</i>	26.43	
			<i>For 20 Gauge, Add</i>	43.09	
			<i>For 18 Gauge, Add</i>	66.07	
			<i>For 16 Gauge, Add</i>	80.43	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	42.51	
			<i>For Work In Restricted Working Space, Add</i>	71.66	
23 31 13 16-0110	EA	8" x 8" x 6"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....101.58	101.58	18.39
			<i>For 24 Gauge, Add</i>	5.59	
			<i>For 22 Gauge, Add</i>	12.86	
			<i>For 20 Gauge, Add</i>	20.97	
			<i>For 18 Gauge, Add</i>	32.15	
			<i>For 16 Gauge, Add</i>	39.14	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.69	
			<i>For Work In Restricted Working Space, Add</i>	22.09	
23 31 13 16-0111	EA	10" x 10" x 6"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....123.81	123.81	22.13
			<i>For 24 Gauge, Add</i>	7.06	
			<i>For 22 Gauge, Add</i>	16.24	
			<i>For 20 Gauge, Add</i>	26.48	
			<i>For 18 Gauge, Add</i>	40.60	
			<i>For 16 Gauge, Add</i>	49.42	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	26.12	
			<i>For Work In Restricted Working Space, Add</i>	26.55	
23 31 13 16-0112	EA	12" x 12" x 6"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....150.39	150.39	26.88
			<i>For 24 Gauge, Add</i>	8.57	
			<i>For 22 Gauge, Add</i>	19.71	
			<i>For 20 Gauge, Add</i>	32.14	
			<i>For 18 Gauge, Add</i>	49.28	
			<i>For 16 Gauge, Add</i>	59.99	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.71	
			<i>For Work In Restricted Working Space, Add</i>	32.26	
23 31 13 16-0113	EA	14" x 14" x 6"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....179.05	179.05	31.96
			<i>For 24 Gauge, Add</i>	10.21	
			<i>For 22 Gauge, Add</i>	23.47	
			<i>For 20 Gauge, Add</i>	38.27	
			<i>For 18 Gauge, Add</i>	58.68	
			<i>For 16 Gauge, Add</i>	71.44	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	37.76	
			<i>For Work In Restricted Working Space, Add</i>	38.41	
23 31 13 16-0114	EA	16" x 16" x 6"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....223.42	223.42	41.09
			<i>For 24 Gauge, Add</i>	11.83	
			<i>For 22 Gauge, Add</i>	27.21	
			<i>For 20 Gauge, Add</i>	44.36	
			<i>For 18 Gauge, Add</i>	68.02	
			<i>For 16 Gauge, Add</i>	82.81	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	43.77	
			<i>For Work In Restricted Working Space, Add</i>	49.28	
23 31 13 16-0115	EA	18" x 18" x 6"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....248.56	248.56	45.60
			<i>For 24 Gauge, Add</i>	13.26	
			<i>For 22 Gauge, Add</i>	30.49	
			<i>For 20 Gauge, Add</i>	49.72	
			<i>For 18 Gauge, Add</i>	76.23	
			<i>For 16 Gauge, Add</i>	92.81	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	49.05	
			<i>For Work In Restricted Working Space, Add</i>	54.68	
23 31 13 16-0116	EA	20" x 20" x 6"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....282.64	282.64	51.90
			<i>For 24 Gauge, Add</i>	15.09	
			<i>For 22 Gauge, Add</i>	34.71	
			<i>For 20 Gauge, Add</i>	56.59	
			<i>For 18 Gauge, Add</i>	86.77	
			<i>For 16 Gauge, Add</i>	105.63	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	55.83	
			<i>For Work In Restricted Working Space, Add</i>	62.16	
23 31 13 16-0117	EA	22" x 22" x 6"	26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....305.27	305.27	55.35
			<i>For 24 Gauge, Add</i>	16.82	
			<i>For 22 Gauge, Add</i>	38.68	
			<i>For 20 Gauge, Add</i>	63.07	
			<i>For 18 Gauge, Add</i>	96.70	
			<i>For 16 Gauge, Add</i>	117.73	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	62.23	
			<i>For Work In Restricted Working Space, Add</i>	66.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0118	EA		24" x 24" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	331.12	60.02
			<i>For 24 Gauge, Add</i>	18.22	
			<i>For 22 Gauge, Add</i>	41.92	
			<i>For 20 Gauge, Add</i>	68.34	
			<i>For 18 Gauge, Add</i>	104.79	
			<i>For 16 Gauge, Add</i>	127.57	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	67.43	
			<i>For Work In Restricted Working Space, Add</i>	72.00	
23 31 13 16-0119	EA		10" x 10" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	134.51	24.36
			<i>For 24 Gauge, Add</i>	7.44	
			<i>For 22 Gauge, Add</i>	17.10	
			<i>For 20 Gauge, Add</i>	27.89	
			<i>For 18 Gauge, Add</i>	42.76	
			<i>For 16 Gauge, Add</i>	52.05	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.51	
			<i>For Work In Restricted Working Space, Add</i>	29.20	
23 31 13 16-0120	EA		12" x 12" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	163.41	29.65
			<i>For 24 Gauge, Add</i>	9.02	
			<i>For 22 Gauge, Add</i>	20.74	
			<i>For 20 Gauge, Add</i>	33.82	
			<i>For 18 Gauge, Add</i>	51.85	
			<i>For 16 Gauge, Add</i>	63.13	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	33.37	
			<i>For Work In Restricted Working Space, Add</i>	35.50	
23 31 13 16-0121	EA		14" x 14" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	194.55	35.12
			<i>For 24 Gauge, Add</i>	10.75	
			<i>For 22 Gauge, Add</i>	24.72	
			<i>For 20 Gauge, Add</i>	40.31	
			<i>For 18 Gauge, Add</i>	61.80	
			<i>For 16 Gauge, Add</i>	75.24	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	39.77	
			<i>For Work In Restricted Working Space, Add</i>	42.24	
23 31 13 16-0122	EA		16" x 16" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	225.76	40.93
			<i>For 24 Gauge, Add</i>	12.46	
			<i>For 22 Gauge, Add</i>	28.65	
			<i>For 20 Gauge, Add</i>	46.71	
			<i>For 18 Gauge, Add</i>	71.62	
			<i>For 16 Gauge, Add</i>	87.19	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	46.09	
			<i>For Work In Restricted Working Space, Add</i>	49.04	
23 31 13 16-0123	EA		18" x 18" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	252.69	45.77
			<i>For 24 Gauge, Add</i>	13.95	
			<i>For 22 Gauge, Add</i>	32.09	
			<i>For 20 Gauge, Add</i>	52.33	
			<i>For 18 Gauge, Add</i>	80.24	
			<i>For 16 Gauge, Add</i>	97.68	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	51.63	
			<i>For Work In Restricted Working Space, Add</i>	54.88	
23 31 13 16-0124	EA		20" x 20" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	287.44	52.06
			<i>For 24 Gauge, Add</i>	15.88	
			<i>For 22 Gauge, Add</i>	36.53	
			<i>For 20 Gauge, Add</i>	59.56	
			<i>For 18 Gauge, Add</i>	91.32	
			<i>For 16 Gauge, Add</i>	111.17	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	58.76	
			<i>For Work In Restricted Working Space, Add</i>	62.41	
23 31 13 16-0125	EA		22" x 22" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	320.83	58.07
			<i>For 24 Gauge, Add</i>	17.70	
			<i>For 22 Gauge, Add</i>	40.72	
			<i>For 20 Gauge, Add</i>	66.39	
			<i>For 18 Gauge, Add</i>	101.80	
			<i>For 16 Gauge, Add</i>	123.93	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	65.50	
			<i>For Work In Restricted Working Space, Add</i>	69.69	
23 31 13 16-0126	EA		24" x 24" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	347.82	63.02
			<i>For 24 Gauge, Add</i>	19.18	
			<i>For 22 Gauge, Add</i>	44.12	
			<i>For 20 Gauge, Add</i>	71.93	
			<i>For 18 Gauge, Add</i>	110.30	
			<i>For 16 Gauge, Add</i>	134.27	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	70.97	
			<i>For Work In Restricted Working Space, Add</i>	75.57	
23 31 13 16-0127			26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducers <small>(23 31 13 16-0062)</small>		
23 31 13 16-0128	EA		6" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	43.90	8.12
			<i>For 24 Gauge, Add</i>	2.28	
			<i>For 22 Gauge, Add</i>	5.25	
			<i>For 20 Gauge, Add</i>	8.56	
			<i>For 18 Gauge, Add</i>	13.12	
			<i>For 16 Gauge, Add</i>	15.97	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.44	
			<i>For Work In Restricted Working Space, Add</i>	9.75	
23 31 13 16-0129	EA		8" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	55.31	10.55
			<i>For 24 Gauge, Add</i>	2.51	
			<i>For 22 Gauge, Add</i>	5.78	
			<i>For 20 Gauge, Add</i>	9.42	
			<i>For 18 Gauge, Add</i>	14.44	
			<i>For 16 Gauge, Add</i>	17.58	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.29	
			<i>For Work In Restricted Working Space, Add</i>	12.83	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0130	EA		10" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	68.05	13.40
			<i>For 24 Gauge, Add</i>	2.78	
			<i>For 22 Gauge, Add</i>	6.40	
			<i>For 20 Gauge, Add</i>	10.43	
			<i>For 18 Gauge, Add</i>	16.00	
			<i>For 16 Gauge, Add</i>	19.47	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.29	
			<i>For Work In Restricted Working Space, Add</i>	16.24	
23 31 13 16-0131	EA		12" x 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	82.93	17.05
			<i>For 24 Gauge, Add</i>	3.05	
			<i>For 22 Gauge, Add</i>	7.02	
			<i>For 20 Gauge, Add</i>	11.44	
			<i>For 18 Gauge, Add</i>	17.54	
			<i>For 16 Gauge, Add</i>	21.35	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	11.29	
			<i>For Work In Restricted Working Space, Add</i>	20.30	
23 31 13 16-0132	EA		14" x 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	90.81	18.68
			<i>For 24 Gauge, Add</i>	3.40	
			<i>For 22 Gauge, Add</i>	7.81	
			<i>For 20 Gauge, Add</i>	12.74	
			<i>For 18 Gauge, Add</i>	19.53	
			<i>For 16 Gauge, Add</i>	23.77	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	12.57	
			<i>For Work In Restricted Working Space, Add</i>	22.15	
23 31 13 16-0133	EA		16" x 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	116.68	21.93
			<i>For 24 Gauge, Add</i>	5.87	
			<i>For 22 Gauge, Add</i>	13.50	
			<i>For 20 Gauge, Add</i>	22.01	
			<i>For 18 Gauge, Add</i>	33.75	
			<i>For 16 Gauge, Add</i>	41.09	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	21.72	
			<i>For Work In Restricted Working Space, Add</i>	26.20	
23 31 13 16-0134	EA		18" x 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	139.65	27.20
			<i>For 24 Gauge, Add</i>	6.27	
			<i>For 22 Gauge, Add</i>	14.43	
			<i>For 20 Gauge, Add</i>	23.52	
			<i>For 18 Gauge, Add</i>	36.06	
			<i>For 16 Gauge, Add</i>	43.90	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.21	
			<i>For Work In Restricted Working Space, Add</i>	32.49	
23 31 13 16-0135	EA		20" x 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	164.47	32.89
			<i>For 24 Gauge, Add</i>	6.69	
			<i>For 22 Gauge, Add</i>	15.40	
			<i>For 20 Gauge, Add</i>	25.10	
			<i>For 18 Gauge, Add</i>	38.49	
			<i>For 16 Gauge, Add</i>	46.86	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.77	
			<i>For Work In Restricted Working Space, Add</i>	39.30	
23 31 13 16-0136	EA		22" x 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	188.82	38.17
			<i>For 24 Gauge, Add</i>	7.12	
			<i>For 22 Gauge, Add</i>	16.37	
			<i>For 20 Gauge, Add</i>	26.69	
			<i>For 18 Gauge, Add</i>	40.92	
			<i>For 16 Gauge, Add</i>	49.81	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	26.33	
			<i>For Work In Restricted Working Space, Add</i>	45.97	
23 31 13 16-0137	EA		24" x 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	210.30	43.46
			<i>For 24 Gauge, Add</i>	7.50	
			<i>For 22 Gauge, Add</i>	17.25	
			<i>For 20 Gauge, Add</i>	28.13	
			<i>For 18 Gauge, Add</i>	43.13	
			<i>For 16 Gauge, Add</i>	52.50	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.75	
			<i>For Work In Restricted Working Space, Add</i>	51.84	
23 31 13 16-0138			26 Gauge, Slip Joint, Galvanized, Spiral Duct Couplings <small>(23 31 13 16-0062)</small>		
23 31 13 16-0139	EA		4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	27.35	5.69
			<i>For 24 Gauge, Add</i>	1.08	
			<i>For 22 Gauge, Add</i>	2.48	
			<i>For 20 Gauge, Add</i>	4.05	
			<i>For 18 Gauge, Add</i>	6.21	
			<i>For 16 Gauge, Add</i>	7.56	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.00	
			<i>For Work In Restricted Working Space, Add</i>	6.59	
23 31 13 16-0140	EA		6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	38.63	8.12
			<i>For 24 Gauge, Add</i>	1.23	
			<i>For 22 Gauge, Add</i>	2.82	
			<i>For 20 Gauge, Add</i>	4.61	
			<i>For 18 Gauge, Add</i>	7.06	
			<i>For 16 Gauge, Add</i>	8.60	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.54	
			<i>For Work In Restricted Working Space, Add</i>	9.75	
23 31 13 16-0141	EA		8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	49.37	10.55
			<i>For 24 Gauge, Add</i>	1.32	
			<i>For 22 Gauge, Add</i>	3.05	
			<i>For 20 Gauge, Add</i>	4.97	
			<i>For 18 Gauge, Add</i>	7.61	
			<i>For 16 Gauge, Add</i>	9.27	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.90	
			<i>For Work In Restricted Working Space, Add</i>	12.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0142	EA		10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	61.24	13.40
			<i>For 24 Gauge, Add</i>	1.42	
			<i>For 22 Gauge, Add</i>	3.27	
			<i>For 20 Gauge, Add</i>	5.33	
			<i>For 18 Gauge, Add</i>	8.17	
			<i>For 16 Gauge, Add</i>	9.94	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.25	
			<i>For Work In Restricted Working Space, Add</i>	16.24	
23 31 13 16-0143	EA		12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	75.26	17.05
			<i>For 24 Gauge, Add</i>	1.52	
			<i>For 22 Gauge, Add</i>	3.49	
			<i>For 20 Gauge, Add</i>	5.69	
			<i>For 18 Gauge, Add</i>	8.72	
			<i>For 16 Gauge, Add</i>	10.61	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.61	
			<i>For Work In Restricted Working Space, Add</i>	20.30	
23 31 13 16-0144	EA		14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	81.89	18.68
			<i>For 24 Gauge, Add</i>	1.61	
			<i>For 22 Gauge, Add</i>	3.71	
			<i>For 20 Gauge, Add</i>	6.05	
			<i>For 18 Gauge, Add</i>	9.27	
			<i>For 16 Gauge, Add</i>	11.28	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.96	
			<i>For Work In Restricted Working Space, Add</i>	22.15	
23 31 13 16-0145	EA		16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	96.25	21.93
			<i>For 24 Gauge, Add</i>	1.78	
			<i>For 22 Gauge, Add</i>	4.10	
			<i>For 20 Gauge, Add</i>	6.69	
			<i>For 18 Gauge, Add</i>	10.26	
			<i>For 16 Gauge, Add</i>	12.49	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.60	
			<i>For Work In Restricted Working Space, Add</i>	26.20	
23 31 13 16-0146	EA		18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	117.69	27.20
			<i>For 24 Gauge, Add</i>	1.88	
			<i>For 22 Gauge, Add</i>	4.32	
			<i>For 20 Gauge, Add</i>	7.05	
			<i>For 18 Gauge, Add</i>	10.81	
			<i>For 16 Gauge, Add</i>	13.16	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.96	
			<i>For Work In Restricted Working Space, Add</i>	32.49	
23 31 13 16-0147	EA		20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	140.97	32.89
			<i>For 24 Gauge, Add</i>	1.99	
			<i>For 22 Gauge, Add</i>	4.59	
			<i>For 20 Gauge, Add</i>	7.48	
			<i>For 18 Gauge, Add</i>	11.47	
			<i>For 16 Gauge, Add</i>	13.96	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	39.30	
23 31 13 16-0148	EA		22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	163.60	76.75
			<i>For 24 Gauge, Add</i>	2.07	
			<i>For 22 Gauge, Add</i>	4.77	
			<i>For 20 Gauge, Add</i>	7.77	
			<i>For 18 Gauge, Add</i>	11.91	
			<i>For 16 Gauge, Add</i>	14.50	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.67	
			<i>For Work In Restricted Working Space, Add</i>	45.97	
23 31 13 16-0149	EA		24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	183.73	86.50
			<i>For 24 Gauge, Add</i>	2.19	
			<i>For 22 Gauge, Add</i>	5.03	
			<i>For 20 Gauge, Add</i>	8.20	
			<i>For 18 Gauge, Add</i>	12.57	
			<i>For 16 Gauge, Add</i>	15.30	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.09	
			<i>For Work In Restricted Working Space, Add</i>	51.84	
23 31 13 16-0150			26 Gauge, Slip Joint, Galvanized, Spiral Duct Caps (23 31 13 16-0062)		
23 31 13 16-0151	EA		4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	17.30	5.69
			<i>For 24 Gauge, Add</i>	1.27	
			<i>For 22 Gauge, Add</i>	2.91	
			<i>For 20 Gauge, Add</i>	4.75	
			<i>For 18 Gauge, Add</i>	7.28	
			<i>For 16 Gauge, Add</i>	8.86	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	3.29	
23 31 13 16-0152	EA		6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	23.34	8.12
			<i>For 24 Gauge, Add</i>	1.42	
			<i>For 22 Gauge, Add</i>	3.27	
			<i>For 20 Gauge, Add</i>	5.33	
			<i>For 18 Gauge, Add</i>	8.17	
			<i>For 16 Gauge, Add</i>	9.94	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.25	
			<i>For Work In Restricted Working Space, Add</i>	4.87	
23 31 13 16-0153	EA		8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	29.14	10.96
			<i>For 24 Gauge, Add</i>	1.55	
			<i>For 22 Gauge, Add</i>	3.57	
			<i>For 20 Gauge, Add</i>	5.83	
			<i>For 18 Gauge, Add</i>	8.94	
			<i>For 16 Gauge, Add</i>	10.88	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.75	
			<i>For Work In Restricted Working Space, Add</i>	6.41	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0154	EA 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	35.70	13.81
	For 24 Gauge, Add	1.73	
	For 22 Gauge, Add	3.97	
	For 20 Gauge, Add	6.47	
	For 18 Gauge, Add	9.92	
	For 16 Gauge, Add	12.08	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.39	
	For Work In Restricted Working Space, Add	8.12	
23 31 13 16-0155	EA 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	43.43	17.05
	For 24 Gauge, Add	1.92	
	For 22 Gauge, Add	4.41	
	For 20 Gauge, Add	7.19	
	For 18 Gauge, Add	11.03	
	For 16 Gauge, Add	13.43	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.10	
	For Work In Restricted Working Space, Add	10.15	
23 31 13 16-0156	EA 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	47.47	18.68
	For 24 Gauge, Add	2.11	
	For 22 Gauge, Add	4.85	
	For 20 Gauge, Add	7.91	
	For 18 Gauge, Add	12.13	
	For 16 Gauge, Add	14.77	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.81	
	For Work In Restricted Working Space, Add	11.08	
23 31 13 16-0157	EA 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	54.93	21.52
	For 24 Gauge, Add	2.44	
	For 22 Gauge, Add	5.60	
	For 20 Gauge, Add	9.14	
	For 18 Gauge, Add	14.01	
	For 16 Gauge, Add	17.05	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.01	
	For Work In Restricted Working Space, Add	12.83	
23 31 13 16-0158	EA 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	95.19	27.20
	For 24 Gauge, Add	8.21	
	For 22 Gauge, Add	18.88	
	For 20 Gauge, Add	30.79	
	For 18 Gauge, Add	47.21	
	For 16 Gauge, Add	57.47	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.38	
	For Work In Restricted Working Space, Add	16.24	
23 31 13 16-0159	EA 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	112.18	33.70
	For 24 Gauge, Add	8.90	
	For 22 Gauge, Add	20.47	
	For 20 Gauge, Add	33.38	
	For 18 Gauge, Add	51.18	
	For 16 Gauge, Add	62.30	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.93	
	For Work In Restricted Working Space, Add	20.30	
23 31 13 16-0160	EA 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	121.78	36.96
	For 24 Gauge, Add	9.59	
	For 22 Gauge, Add	22.06	
	For 20 Gauge, Add	35.96	
	For 18 Gauge, Add	55.14	
	For 16 Gauge, Add	67.13	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.48	
	For Work In Restricted Working Space, Add	22.15	
23 31 13 16-0161	EA 24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	137.90	43.05
	For 24 Gauge, Add	10.30	
	For 22 Gauge, Add	23.69	
	For 20 Gauge, Add	38.63	
	For 18 Gauge, Add	59.23	
	For 16 Gauge, Add	72.10	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.11	
	For Work In Restricted Working Space, Add	25.92	

23 31 13 19 Metal Duct Fittings (23 31 13)**23 31 13 19-0001 Sheet Metal Baffles** (23 31 13 19)

23 31 13 19-0002	LF Sheet Metal Baffles Under Raised Floor.....	15.32	11.70
	For Work In Restricted Working Space, Add	4.28	

23 31 13 23 Galvanized Steel Welded Duct (23 31 13)

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork (23 31 13 23)

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB Galvanized Steel Welded Duct	11.48	3.55
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.23	
	For Work In Restricted Working Space, Add	2.13	

23 31 13 23-0004 Black Steel Ductwork (23 31 13 23-0001)

23 31 13 23-0005	LB Black Steel Ductwork	8.29	3.66
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.73	
	For Work In Restricted Working Space, Add	2.19	



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

23 31 13 33 Duct Boots (23 31 13)

23 31 13 33-0001 Duct Register Boots (23 31 13 33)

Table with columns for CSI, UOM, Description, Total Direct Unit Cost, and Demolition Unit Cost. Lists various duct register boots with their specifications and costs.

23 31 16 Nonmetal Ducts (23 31)

23 31 16 13 Fibrous-Glass Ducts (23 31 16)

23 31 16 13-0001 Glass Fiber Duct Board (23 31 16 13)

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

Table listing Glass Fiber Duct Board products with their specifications and costs.

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)

23 31 16 16-0001 Round Fiber Reinforced Plastic Duct (23 31 16 16)

23 31 16 16-0002 Round Fiber Reinforced Plastic Duct (23 31 16 16-0001)

Table listing Round Fiber Reinforced Plastic Duct products with their specifications and costs.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	38.59	8.41
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	44.65	9.20
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	48.49	9.78
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	62.23	10.98
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	65.08	11.77
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	83.44	12.56
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	95.30	14.56
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	108.79	17.56
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	151.88	19.55
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	170.07	21.98
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	187.70	25.18
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	211.74	29.38
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	219.88	35.95
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	268.21	43.94

23 31 16 16-0023 Fiber Reinforced Plastic Bell (23 31 16 16-0001)

23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	38.08	8.95
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	46.47	10.61
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	52.72	12.48
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	68.63	16.65
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	81.99	20.81
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	92.85	24.96
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	115.00	31.00
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	123.79	33.29
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	134.25	35.58
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	144.71	38.28
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	158.94	41.61
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	192.50	45.77
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	233.64	49.93
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	266.31	56.18
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	298.99	62.42
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	331.65	68.66
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	418.84	83.22
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	485.69	104.03
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	582.80	124.83
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	671.68	141.48

23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-0001)

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	78.47	8.95
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	89.38	10.61
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	100.68	12.48
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	129.20	16.65
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	155.19	20.81
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	181.19	24.96
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	208.39	31.00
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	237.37	33.29
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	260.45	35.58
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	275.95	38.28
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	285.14	41.61
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	343.94	45.77
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	380.03	49.93
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	485.90	56.18
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	541.29	62.42
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	621.91	68.66
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	721.71	83.22
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	846.61	104.03
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	971.49	124.83
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,115.90	141.48

23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)

23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	119.25	21.55
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	138.85	25.75
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	160.98	29.96
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	205.39	39.95
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	249.80	49.93
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	294.22	59.92
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	358.91	74.53
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	421.76	78.89
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	491.12	85.67
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	612.50	91.87
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	721.74	99.87
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	851.97	109.86
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,221.94	119.84
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,612.91	134.82
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,193.15	149.84
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	2,634.60	164.82
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,109.24	199.73
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	3,747.73	249.66
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	4,386.07	299.52
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,007.85	339.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow <small>(23 31 16 16-0001)</small>		
23 31 16 16-0087 EA 2" Fiber Reinforced Plastic 45 Degree Elbow	91.48	21.55
23 31 16 16-0088 EA 3" Fiber Reinforced Plastic 45 Degree Elbow	106.04	25.75
23 31 16 16-0089 EA 4" Fiber Reinforced Plastic 45 Degree Elbow	123.11	29.96
23 31 16 16-0090 EA 6" Fiber Reinforced Plastic 45 Degree Elbow	149.86	39.95
23 31 16 16-0091 EA 8" Fiber Reinforced Plastic 45 Degree Elbow	176.61	49.93
23 31 16 16-0092 EA 10" Fiber Reinforced Plastic 45 Degree Elbow	208.43	59.92
23 31 16 16-0093 EA 12" Fiber Reinforced Plastic 45 Degree Elbow	255.46	74.53
23 31 16 16-0094 EA 14" Fiber Reinforced Plastic 45 Degree Elbow	282.91	78.89
23 31 16 16-0095 EA 16" Fiber Reinforced Plastic 45 Degree Elbow	359.79	85.63
23 31 16 16-0096 EA 18" Fiber Reinforced Plastic 45 Degree Elbow	430.89	91.96
23 31 16 16-0097 EA 20" Fiber Reinforced Plastic 45 Degree Elbow	514.75	99.87
23 31 16 16-0098 EA 24" Fiber Reinforced Plastic 45 Degree Elbow	606.96	109.77
23 31 16 16-0099 EA 30" Fiber Reinforced Plastic 45 Degree Elbow	817.96	119.76
23 31 16 16-0100 EA 36" Fiber Reinforced Plastic 45 Degree Elbow	1,030.06	134.94
23 31 16 16-0101 EA 42" Fiber Reinforced Plastic 45 Degree Elbow	1,367.99	149.93
23 31 16 16-0102 EA 48" Fiber Reinforced Plastic 45 Degree Elbow	1,637.64	164.82
23 31 16 16-0103 EA 54" Fiber Reinforced Plastic 45 Degree Elbow	1,943.17	199.73
23 31 16 16-0104 EA 60" Fiber Reinforced Plastic 45 Degree Elbow	2,304.02	249.66
23 31 16 16-0105 EA 66" Fiber Reinforced Plastic 45 Degree Elbow	2,694.06	298.93
23 31 16 16-0106 EA 72" Fiber Reinforced Plastic 45 Degree Elbow	3,039.76	339.75
23 31 16 16-0107 Fiber Reinforced Plastic Tee <small>(23 31 16 16-0001)</small>		
23 31 16 16-0108 EA 2" Fiber Reinforced Plastic Tee	141.94	32.17
23 31 16 16-0109 EA 3" Fiber Reinforced Plastic Tee	165.54	38.74
23 31 16 16-0110 EA 4" Fiber Reinforced Plastic Tee	188.48	44.94
23 31 16 16-0111 EA 6" Fiber Reinforced Plastic Tee	238.70	59.92
23 31 16 16-0112 EA 8" Fiber Reinforced Plastic Tee	288.24	74.53
23 31 16 16-0113 EA 10" Fiber Reinforced Plastic Tee	339.75	90.29
23 31 16 16-0114 EA 12" Fiber Reinforced Plastic Tee	409.57	109.44
23 31 16 16-0115 EA 14" Fiber Reinforced Plastic Tee	449.79	118.43
23 31 16 16-0116 EA 16" Fiber Reinforced Plastic Tee	542.51	128.66
23 31 16 16-0117 EA 18" Fiber Reinforced Plastic Tee	633.52	137.82
23 31 16 16-0118 EA 20" Fiber Reinforced Plastic Tee	754.49	149.84
23 31 16 16-0119 EA 24" Fiber Reinforced Plastic Tee	880.45	164.82
23 31 16 16-0120 EA 30" Fiber Reinforced Plastic Tee	1,094.58	179.71
23 31 16 16-0121 EA 36" Fiber Reinforced Plastic Tee	1,346.78	202.31
23 31 16 16-0122 EA 42" Fiber Reinforced Plastic Tee	1,888.98	224.78
23 31 16 16-0123 EA 48" Fiber Reinforced Plastic Tee	2,305.12	247.29
23 31 16 16-0124 EA 54" Fiber Reinforced Plastic Tee	2,771.21	299.80
23 31 16 16-0125 EA 60" Fiber Reinforced Plastic Tee	3,274.57	374.67
23 31 16 16-0126 EA 66" Fiber Reinforced Plastic Tee	3,777.69	449.36
23 31 16 16-0127 EA 72" Fiber Reinforced Plastic Tee	4,256.55	509.53
23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint <small>(23 31 16 16-0001)</small>		
23 31 16 16-0129 EA 2" Fiber Reinforced Plastic Lateral Joint	104.07	32.17
23 31 16 16-0130 EA 3" Fiber Reinforced Plastic Lateral Joint	120.10	38.74
23 31 16 16-0131 EA 4" Fiber Reinforced Plastic Lateral Joint	135.49	44.94
23 31 16 16-0132 EA 6" Fiber Reinforced Plastic Lateral Joint	165.52	59.92
23 31 16 16-0133 EA 8" Fiber Reinforced Plastic Lateral Joint	194.88	74.53
23 31 16 16-0134 EA 10" Fiber Reinforced Plastic Lateral Joint	231.25	90.29
23 31 16 16-0135 EA 12" Fiber Reinforced Plastic Lateral Joint	273.36	109.52
23 31 16 16-0136 EA 14" Fiber Reinforced Plastic Lateral Joint	298.17	118.34
23 31 16 16-0137 EA 16" Fiber Reinforced Plastic Lateral Joint	330.59	128.70
23 31 16 16-0138 EA 18" Fiber Reinforced Plastic Lateral Joint	361.15	137.94
23 31 16 16-0139 EA 20" Fiber Reinforced Plastic Lateral Joint	396.27	149.93
23 31 16 16-0140 EA 24" Fiber Reinforced Plastic Lateral Joint	441.28	164.82
23 31 16 16-0141 EA 30" Fiber Reinforced Plastic Lateral Joint	493.70	179.63
23 31 16 16-0142 EA 36" Fiber Reinforced Plastic Lateral Joint	559.10	202.19
23 31 16 16-0143 EA 42" Fiber Reinforced Plastic Lateral Joint	627.27	224.91
23 31 16 16-0144 EA 48" Fiber Reinforced Plastic Lateral Joint	689.63	247.21
23 31 16 16-0145 EA 54" Fiber Reinforced Plastic Lateral Joint	813.71	298.93
23 31 16 16-0146 EA 60" Fiber Reinforced Plastic Lateral Joint	966.27	375.33
23 31 16 16-0147 EA 66" Fiber Reinforced Plastic Lateral Joint	1,178.54	449.69
23 31 16 16-0148 EA 72" Fiber Reinforced Plastic Lateral Joint	1,303.51	509.53
23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer <small>(23 31 16 16-0001)</small>		
23 31 16 16-0150 EA 2" Fiber Reinforced Plastic One Piece Reducer	101.59	21.60
23 31 16 16-0151 EA 3" Fiber Reinforced Plastic One Piece Reducer	118.69	25.80
23 31 16 16-0152 EA 4" Fiber Reinforced Plastic One Piece Reducer	140.81	29.96
23 31 16 16-0153 EA 6" Fiber Reinforced Plastic One Piece Reducer	177.62	39.95
23 31 16 16-0154 EA 8" Fiber Reinforced Plastic One Piece Reducer	209.42	49.93
23 31 16 16-0155 EA 10" Fiber Reinforced Plastic One Piece Reducer	251.70	60.17
23 31 16 16-0156 EA 12" Fiber Reinforced Plastic One Piece Reducer	290.79	74.53
23 31 16 16-0157 EA 14" Fiber Reinforced Plastic One Piece Reducer	313.20	78.89
23 31 16 16-0158 EA 16" Fiber Reinforced Plastic One Piece Reducer	349.69	85.63
23 31 16 16-0159 EA 18" Fiber Reinforced Plastic One Piece Reducer	390.50	91.96
23 31 16 16-0160 EA 20" Fiber Reinforced Plastic One Piece Reducer	444.08	99.87
23 31 16 16-0161 EA 24" Fiber Reinforced Plastic One Piece Reducer	516.47	109.98
23 31 16 16-0162 EA 30" Fiber Reinforced Plastic One Piece Reducer	588.74	120.05
23 31 16 16-0163 EA 36" Fiber Reinforced Plastic One Piece Reducer	669.14	134.94

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	749.62	149.93
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	855.21	164.82
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,001.73	199.73
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,165.72	249.66
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	1,255.40	298.93
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	1,399.19	339.75

23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)

23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	131.88	21.60
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	138.88	25.80
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	161.00	29.96
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	205.39	39.95
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	249.80	49.93
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	294.60	60.17
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	346.32	74.53
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	383.87	78.89
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	420.37	85.63
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	486.41	91.96
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	656.09	99.87
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	826.92	109.98
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	881.52	120.05
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,007.35	134.94
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,082.79	149.93
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,183.33	164.82
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,266.75	199.73
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	1,415.59	249.66
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	1,533.03	298.93
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	1,651.58	339.75

23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)

23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	275.73	21.55
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	307.96	25.75
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	340.19	29.96
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	394.68	39.95
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	461.81	49.93
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	516.33	59.92
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	578.49	74.53
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	648.91	78.89
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	723.32	85.67
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	796.75	91.87
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	847.94	99.87
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	965.55	109.86
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	1,133.61	119.84
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	1,310.03	134.82
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	1,511.68	149.84
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	1,688.12	164.82
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	1,973.45	199.73
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	2,283.83	249.66
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	2,568.82	299.52
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	2,963.44	339.42

23 33 Air Duct Accessories (23 30)**23 33 13 Dampers (23 33)****23 33 13 13 Volume-Control Dampers (23 33 13)****23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (23 33 13 13)**

23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	28.56	3.53
		<i>For Stainless Steel, Add</i>	19.36	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	30.96	3.96
		<i>For Stainless Steel, Add</i>	19.63	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	33.70	4.41
		<i>For Stainless Steel, Add</i>	19.84	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	36.55	5.29
		<i>For Stainless Steel, Add</i>	21.09	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	39.82	5.72
		<i>For Stainless Steel, Add</i>	22.32	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	46.72	6.17
		<i>For Stainless Steel, Add</i>	28.52	
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	51.20	6.61
		<i>For Stainless Steel, Add</i>	31.01	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	54.17	7.49
		<i>For Stainless Steel, Add</i>	32.24	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	59.38	7.93
		<i>For Stainless Steel, Add</i>	35.96	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	68.82	8.81
		<i>For Stainless Steel, Add</i>	44.64	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	75.16	8.81
		<i>For Stainless Steel, Add</i>	50.84	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	85.43	10.13
		<i>For Stainless Steel, Add</i>	59.51	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	91.62 64.86	10.58
23 33 13 13-0015 Rectangular Opposed Blade Damper (23 33 13 13)					
23 33 13	13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	45.43 39.99 12.30	4.89
23 33 13	13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	48.28 42.82 13.18	5.11
23 33 13	13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	50.56 45.68 14.06	5.15
23 33 13	13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	50.56 45.68 14.06	5.15
23 33 13	13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	53.21 48.54 14.94	5.29
23 33 13	13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	59.35 54.24 16.69	5.86
23 33 13	13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	53.21 48.54 14.94	5.29
23 33 13	13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	58.47 54.24 16.69	5.60
23 33 13	13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	61.57 57.12 17.58	5.86
23 33 13	13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	65.98 59.98 18.46	6.61
23 33 13	13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	57.39 52.83 16.26	5.60
23 33 13	13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	61.57 57.12 17.58	5.86
23 33 13	13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	64.65 59.98 18.46	6.17
23 33 13	13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	68.18 62.84 19.34	6.61
23 33 13	13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	75.85 69.97 21.53	7.36
23 33 13	13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	61.57 57.12 17.58	5.86
23 33 13	13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	65.10 59.98 18.46	6.30
23 33 13	13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	69.06 62.84 19.34	6.92
23 33 13	13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	72.55 65.68 20.21	7.36
23 33 13	13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	80.27 72.84 22.41	8.07
23 33 13	13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	87.97 79.98 24.61	8.82
23 33 13	13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	64.65 59.98 18.46	6.17
23 33 13	13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	69.26 64.25 19.77	6.61
23 33 13	13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	74.76 68.55 21.09	7.36
23 33 13	13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	82.47 75.70 23.29	8.07
23 33 13	13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	89.07 81.41 25.05	8.82
23 33 13	13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	96.75 88.53 27.24	9.52
23 33 13	13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	102.25 92.82 28.56	10.27

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	68.18	6.61
			<i>For Stainless Steel, Add</i>	62.84	
			<i>For Parallel Blade Damper, Add</i>	19.34	
23 33 13	13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	74.75	7.36
			<i>For Stainless Steel, Add</i>	68.54	
			<i>For Parallel Blade Damper, Add</i>	21.09	
23 33 13	13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	81.36	8.07
			<i>For Stainless Steel, Add</i>	74.26	
			<i>For Parallel Blade Damper, Add</i>	22.85	
23 33 13	13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	92.36	8.82
			<i>For Stainless Steel, Add</i>	85.68	
			<i>For Parallel Blade Damper, Add</i>	26.36	
23 33 13	13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	97.86	9.52
			<i>For Stainless Steel, Add</i>	89.97	
			<i>For Parallel Blade Damper, Add</i>	27.68	
23 33 13	13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	103.36	10.27
			<i>For Stainless Steel, Add</i>	94.26	
			<i>For Parallel Blade Damper, Add</i>	29.00	
23 33 13	13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	109.94	11.02
			<i>For Stainless Steel, Add</i>	99.96	
			<i>For Parallel Blade Damper, Add</i>	30.76	
23 33 13	13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	116.54	11.73
			<i>For Stainless Steel, Add</i>	105.66	
			<i>For Parallel Blade Damper, Add</i>	32.51	
23 33 13	13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	76.95	7.36
			<i>For Stainless Steel, Add</i>	71.40	
			<i>For Parallel Blade Damper, Add</i>	21.97	
23 33 13	13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	85.76	8.07
			<i>For Stainless Steel, Add</i>	79.98	
			<i>For Parallel Blade Damper, Add</i>	24.61	
23 33 13	13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	92.36	8.82
			<i>For Stainless Steel, Add</i>	85.68	
			<i>For Parallel Blade Damper, Add</i>	26.36	
23 33 13	13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	101.16	9.52
			<i>For Stainless Steel, Add</i>	94.26	
			<i>For Parallel Blade Damper, Add</i>	29.00	
23 33 13	13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	106.64	10.27
			<i>For Stainless Steel, Add</i>	98.53	
			<i>For Parallel Blade Damper, Add</i>	30.32	
23 33 13	13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	112.14	11.02
			<i>For Stainless Steel, Add</i>	102.82	
			<i>For Parallel Blade Damper, Add</i>	31.64	
23 33 13	13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	120.94	11.73
			<i>For Stainless Steel, Add</i>	111.38	
			<i>For Parallel Blade Damper, Add</i>	34.27	
23 33 13	13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	131.92	13.22
			<i>For Stainless Steel, Add</i>	119.94	
			<i>For Parallel Blade Damper, Add</i>	36.90	
23 33 13	13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	145.15	14.67
			<i>For Stainless Steel, Add</i>	131.39	
			<i>For Parallel Blade Damper, Add</i>	40.43	
23 33 13	13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	85.76	8.07
			<i>For Stainless Steel, Add</i>	79.98	
			<i>For Parallel Blade Damper, Add</i>	24.61	
23 33 13	13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	92.36	8.82
			<i>For Stainless Steel, Add</i>	85.68	
			<i>For Parallel Blade Damper, Add</i>	26.36	
23 33 13	13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	101.16	9.52
			<i>For Stainless Steel, Add</i>	94.26	
			<i>For Parallel Blade Damper, Add</i>	29.00	
23 33 13	13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	107.74	10.27
			<i>For Stainless Steel, Add</i>	99.96	
			<i>For Parallel Blade Damper, Add</i>	30.76	
23 33 13	13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	115.43	11.02
			<i>For Stainless Steel, Add</i>	107.09	
			<i>For Parallel Blade Damper, Add</i>	32.95	
23 33 13	13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	123.12	11.73
			<i>For Stainless Steel, Add</i>	114.22	
			<i>For Parallel Blade Damper, Add</i>	35.14	
23 33 13	13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	134.12	13.22
			<i>For Stainless Steel, Add</i>	122.80	
			<i>For Parallel Blade Damper, Add</i>	37.78	
23 33 13	13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	145.15	14.67
			<i>For Stainless Steel, Add</i>	131.39	
			<i>For Parallel Blade Damper, Add</i>	40.43	
23 33 13	13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.51	15.42
			<i>For Stainless Steel, Add</i>	148.50	
			<i>For Parallel Blade Damper, Add</i>	45.69	
23 33 13	13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.90	16.88
			<i>For Stainless Steel, Add</i>	162.79	
			<i>For Parallel Blade Damper, Add</i>	50.09	
23 33 13	13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	98.96	8.82
			<i>For Stainless Steel, Add</i>	94.26	
			<i>For Parallel Blade Damper, Add</i>	29.00	
23 33 13	13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	103.35	9.52
			<i>For Stainless Steel, Add</i>	97.11	
			<i>For Parallel Blade Damper, Add</i>	29.88	
23 33 13	13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	107.74	10.27
			<i>For Stainless Steel, Add</i>	99.96	
			<i>For Parallel Blade Damper, Add</i>	30.76	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0074	EA		32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	114.33	11.02
			<i>For Stainless Steel, Add</i>	105.66	
			<i>For Parallel Blade Damper, Add</i>	32.51	
23 33 13 13-0075	EA		32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	123.55	11.73
			<i>For Stainless Steel, Add</i>	114.78	
			<i>For Parallel Blade Damper, Add</i>	35.32	
23 33 13 13-0076	EA		32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	134.12	13.22
			<i>For Stainless Steel, Add</i>	122.80	
			<i>For Parallel Blade Damper, Add</i>	37.78	
23 33 13 13-0077	EA		32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	147.35	14.67
			<i>For Stainless Steel, Add</i>	134.25	
			<i>For Parallel Blade Damper, Add</i>	41.31	
23 33 13 13-0078	EA		32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.53	16.13
			<i>For Stainless Steel, Add</i>	145.67	
			<i>For Parallel Blade Damper, Add</i>	44.82	
23 33 13 13-0079	EA		32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.90	16.88
			<i>For Stainless Steel, Add</i>	162.79	
			<i>For Parallel Blade Damper, Add</i>	50.09	
23 33 13 13-0080	EA		32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	194.82	18.07
			<i>For Stainless Steel, Add</i>	182.79	
			<i>For Parallel Blade Damper, Add</i>	56.24	
23 33 13 13-0081	EA		32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	215.48	19.09
			<i>For Stainless Steel, Add</i>	205.65	
			<i>For Parallel Blade Damper, Add</i>	63.28	
23 33 13 13-0082	EA		36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	107.74	9.52
			<i>For Stainless Steel, Add</i>	102.82	
			<i>For Parallel Blade Damper, Add</i>	31.64	
23 33 13 13-0083	EA		36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	114.33	10.27
			<i>For Stainless Steel, Add</i>	108.52	
			<i>For Parallel Blade Damper, Add</i>	33.39	
23 33 13 13-0084	EA		36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	120.91	11.02
			<i>For Stainless Steel, Add</i>	114.22	
			<i>For Parallel Blade Damper, Add</i>	35.14	
23 33 13 13-0085	EA		36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	129.72	11.73
			<i>For Stainless Steel, Add</i>	122.80	
			<i>For Parallel Blade Damper, Add</i>	37.78	
23 33 13 13-0086	EA		36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	137.43	13.22
			<i>For Stainless Steel, Add</i>	127.10	
			<i>For Parallel Blade Damper, Add</i>	39.11	
23 33 13 13-0087	EA		36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	142.94	13.92
			<i>For Stainless Steel, Add</i>	131.39	
			<i>For Parallel Blade Damper, Add</i>	40.43	
23 33 13 13-0088	EA		36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.53	16.13
			<i>For Stainless Steel, Add</i>	145.67	
			<i>For Parallel Blade Damper, Add</i>	44.82	
23 33 13 13-0089	EA		36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.91	17.63
			<i>For Stainless Steel, Add</i>	159.93	
			<i>For Parallel Blade Damper, Add</i>	49.21	
23 33 13 13-0090	EA		36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	190.86	18.21
			<i>For Stainless Steel, Add</i>	177.07	
			<i>For Parallel Blade Damper, Add</i>	54.48	
23 33 13 13-0091	EA		36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	212.39	19.52
			<i>For Stainless Steel, Add</i>	199.90	
			<i>For Parallel Blade Damper, Add</i>	61.51	
23 33 13 13-0092	EA		36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	230.86	20.54
			<i>For Stainless Steel, Add</i>	219.90	
			<i>For Parallel Blade Damper, Add</i>	67.66	
23 33 13 13-0093	EA		36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	250.64	21.28
			<i>For Stainless Steel, Add</i>	242.75	
			<i>For Parallel Blade Damper, Add</i>	74.69	
23 33 13 13-0094	EA		40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	112.13	11.02
			<i>For Stainless Steel, Add</i>	105.66	
			<i>For Parallel Blade Damper, Add</i>	32.51	
23 33 13 13-0095	EA		40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	123.11	11.73
			<i>For Stainless Steel, Add</i>	117.08	
			<i>For Parallel Blade Damper, Add</i>	36.02	
23 33 13 13-0096	EA		40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	127.52	12.48
			<i>For Stainless Steel, Add</i>	119.94	
			<i>For Parallel Blade Damper, Add</i>	36.90	
23 33 13 13-0097	EA		40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	131.93	13.22
			<i>For Stainless Steel, Add</i>	122.80	
			<i>For Parallel Blade Damper, Add</i>	37.78	
23 33 13 13-0098	EA		40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.02	13.92
			<i>For Stainless Steel, Add</i>	132.80	
			<i>For Parallel Blade Damper, Add</i>	40.86	
23 33 13 13-0099	EA		40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	153.93	14.67
			<i>For Stainless Steel, Add</i>	142.81	
			<i>For Parallel Blade Damper, Add</i>	43.94	
23 33 13 13-0100	EA		40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	169.31	16.88
			<i>For Stainless Steel, Add</i>	154.22	
			<i>For Parallel Blade Damper, Add</i>	47.45	
23 33 13 13-0101	EA		40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	182.53	18.34
			<i>For Stainless Steel, Add</i>	165.66	
			<i>For Parallel Blade Damper, Add</i>	50.97	
23 33 13 13-0102	EA		40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	199.23	19.52
			<i>For Stainless Steel, Add</i>	182.79	
			<i>For Parallel Blade Damper, Add</i>	56.24	
23 33 13 13-0103	EA		40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.48	20.54
			<i>For Stainless Steel, Add</i>	214.20	
			<i>For Parallel Blade Damper, Add</i>	65.91	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	243.16	21.73
			<i>For Stainless Steel, Add</i>	231.31	
			<i>For Parallel Blade Damper, Add</i>	71.17	
23 33 13	13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	269.10	22.30
			<i>For Stainless Steel, Add</i>	262.74	
			<i>For Parallel Blade Damper, Add</i>	80.84	
23 33 13	13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	294.61	23.49
			<i>For Stainless Steel, Add</i>	291.32	
			<i>For Parallel Blade Damper, Add</i>	89.64	
23 33 13	13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	118.73	11.02
			<i>For Stainless Steel, Add</i>	111.38	
			<i>For Parallel Blade Damper, Add</i>	34.27	
23 33 13	13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	129.72	11.73
			<i>For Stainless Steel, Add</i>	122.80	
			<i>For Parallel Blade Damper, Add</i>	37.78	
23 33 13	13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	138.54	12.48
			<i>For Stainless Steel, Add</i>	131.39	
			<i>For Parallel Blade Damper, Add</i>	40.43	
23 33 13	13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	142.93	13.22
			<i>For Stainless Steel, Add</i>	134.25	
			<i>For Parallel Blade Damper, Add</i>	41.31	
23 33 13	13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	153.92	13.92
			<i>For Stainless Steel, Add</i>	145.67	
			<i>For Parallel Blade Damper, Add</i>	44.82	
23 33 13	13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.91	14.67
			<i>For Stainless Steel, Add</i>	157.08	
			<i>For Parallel Blade Damper, Add</i>	48.33	
23 33 13	13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	184.72	17.63
			<i>For Stainless Steel, Add</i>	171.38	
			<i>For Parallel Blade Damper, Add</i>	52.73	
23 33 13	13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.08	19.09
			<i>For Stainless Steel, Add</i>	185.63	
			<i>For Parallel Blade Damper, Add</i>	57.12	
23 33 13	13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.48	20.54
			<i>For Stainless Steel, Add</i>	214.20	
			<i>For Parallel Blade Damper, Add</i>	65.91	
23 33 13	13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	250.66	22.03
			<i>For Stainless Steel, Add</i>	239.92	
			<i>For Parallel Blade Damper, Add</i>	73.82	
23 33 13	13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	277.01	23.49
			<i>For Stainless Steel, Add</i>	268.44	
			<i>For Parallel Blade Damper, Add</i>	82.60	
23 33 13	13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	298.99	24.20
			<i>For Stainless Steel, Add</i>	294.15	
			<i>For Parallel Blade Damper, Add</i>	90.51	
23 33 13	13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	320.97	24.95
			<i>For Stainless Steel, Add</i>	319.87	
			<i>For Parallel Blade Damper, Add</i>	98.42	
23 33 13	13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	342.95	25.70
			<i>For Stainless Steel, Add</i>	345.57	
			<i>For Parallel Blade Damper, Add</i>	106.33	
23 33 13	13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	127.52	11.73
			<i>For Stainless Steel, Add</i>	119.94	
			<i>For Parallel Blade Damper, Add</i>	36.90	
23 33 13	13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	138.54	12.48
			<i>For Stainless Steel, Add</i>	131.39	
			<i>For Parallel Blade Damper, Add</i>	40.43	
23 33 13	13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	142.93	13.22
			<i>For Stainless Steel, Add</i>	134.25	
			<i>For Parallel Blade Damper, Add</i>	41.31	
23 33 13	13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	153.93	14.67
			<i>For Stainless Steel, Add</i>	142.81	
			<i>For Parallel Blade Damper, Add</i>	43.94	
23 33 13	13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	167.11	16.13
			<i>For Stainless Steel, Add</i>	154.22	
			<i>For Parallel Blade Damper, Add</i>	47.45	
23 33 13	13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	180.32	17.63
			<i>For Stainless Steel, Add</i>	165.66	
			<i>For Parallel Blade Damper, Add</i>	50.97	
23 33 13	13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	197.90	19.09
			<i>For Stainless Steel, Add</i>	182.79	
			<i>For Parallel Blade Damper, Add</i>	56.24	
23 33 13	13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	215.48	20.54
			<i>For Stainless Steel, Add</i>	199.90	
			<i>For Parallel Blade Damper, Add</i>	61.51	
23 33 13	13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	239.66	22.03
			<i>For Stainless Steel, Add</i>	225.62	
			<i>For Parallel Blade Damper, Add</i>	69.42	
23 33 13	13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	268.23	23.49
			<i>For Stainless Steel, Add</i>	257.02	
			<i>For Parallel Blade Damper, Add</i>	79.08	
23 33 13	13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	290.22	24.20
			<i>For Stainless Steel, Add</i>	282.75	
			<i>For Parallel Blade Damper, Add</i>	87.00	
23 33 13	13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	318.77	24.95
			<i>For Stainless Steel, Add</i>	317.01	
			<i>For Parallel Blade Damper, Add</i>	97.54	
23 33 13	13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	342.97	26.40
			<i>For Stainless Steel, Add</i>	342.72	
			<i>For Parallel Blade Damper, Add</i>	105.45	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.51	27.15
			For Stainless Steel, Add	376.97	
			For Parallel Blade Damper, Add	115.99	
23 33 13	13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	395.71	29.36
			For Stainless Steel, Add	399.83	
			For Parallel Blade Damper, Add	123.02	
23 33 13	13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	136.34	12.48
			For Stainless Steel, Add	128.53	
			For Parallel Blade Damper, Add	39.55	
23 33 13	13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	147.31	13.22
			For Stainless Steel, Add	139.95	
			For Parallel Blade Damper, Add	43.06	
23 33 13	13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.51	14.67
			For Stainless Steel, Add	151.36	
			For Parallel Blade Damper, Add	46.57	
23 33 13	13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	167.11	16.13
			For Stainless Steel, Add	154.22	
			For Parallel Blade Damper, Add	47.45	
23 33 13	13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	181.42	17.63
			For Stainless Steel, Add	167.09	
			For Parallel Blade Damper, Add	51.41	
23 33 13	13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.70	19.09
			For Stainless Steel, Add	179.93	
			For Parallel Blade Damper, Add	55.36	
23 33 13	13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	213.30	20.54
			For Stainless Steel, Add	197.07	
			For Parallel Blade Damper, Add	60.64	
23 33 13	13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	230.88	22.03
			For Stainless Steel, Add	214.20	
			For Parallel Blade Damper, Add	65.91	
23 33 13	13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	255.07	23.49
			For Stainless Steel, Add	239.92	
			For Parallel Blade Damper, Add	73.82	
23 33 13	13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	285.81	24.95
			For Stainless Steel, Add	274.16	
			For Parallel Blade Damper, Add	84.36	
23 33 13	13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	309.98	25.70
			For Stainless Steel, Add	302.71	
			For Parallel Blade Damper, Add	93.14	
23 33 13	13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	340.77	26.40
			For Stainless Steel, Add	339.86	
			For Parallel Blade Damper, Add	104.57	
23 33 13	13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.51	27.90
			For Stainless Steel, Add	374.10	
			For Parallel Blade Damper, Add	115.11	
23 33 13	13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	395.71	29.36
			For Stainless Steel, Add	399.83	
			For Parallel Blade Damper, Add	123.02	
23 33 13	13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	428.68	31.55
			For Stainless Steel, Add	434.10	
			For Parallel Blade Damper, Add	133.57	
23 33 13	13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	455.06	33.01
			For Stainless Steel, Add	462.67	
			For Parallel Blade Damper, Add	142.36	
23 33 13	13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	142.93	13.22
			For Stainless Steel, Add	134.25	
			For Parallel Blade Damper, Add	41.31	
23 33 13	13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	158.31	14.67
			For Stainless Steel, Add	148.50	
			For Parallel Blade Damper, Add	45.69	
23 33 13	13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	169.31	16.13
			For Stainless Steel, Add	157.08	
			For Parallel Blade Damper, Add	48.33	
23 33 13	13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.91	17.63
			For Stainless Steel, Add	159.93	
			For Parallel Blade Damper, Add	49.21	
23 33 13	13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	192.40	19.09
			For Stainless Steel, Add	175.64	
			For Parallel Blade Damper, Add	54.04	
23 33 13	13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	208.90	20.54
			For Stainless Steel, Add	191.35	
			For Parallel Blade Damper, Add	58.88	
23 33 13	13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	225.38	22.03
			For Stainless Steel, Add	207.05	
			For Parallel Blade Damper, Add	63.71	
23 33 13	13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	241.87	23.49
			For Stainless Steel, Add	222.76	
			For Parallel Blade Damper, Add	68.54	
23 33 13	13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	272.63	24.95
			For Stainless Steel, Add	257.02	
			For Parallel Blade Damper, Add	79.08	
23 33 13	13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	301.22	25.70
			For Stainless Steel, Add	291.32	
			For Parallel Blade Damper, Add	89.64	
23 33 13	13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	327.59	26.40
			For Stainless Steel, Add	322.73	
			For Parallel Blade Damper, Add	99.30	
23 33 13	13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	362.74	27.90
			For Stainless Steel, Add	362.70	
			For Parallel Blade Damper, Add	111.60	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 13-0164	EA 56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	393.51	29.36
	<i>For Stainless Steel, Add</i>	396.97	
	<i>For Parallel Blade Damper, Add</i>	122.14	
23 33 13 13-0165	EA 56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	426.47	30.80
	<i>For Stainless Steel, Add</i>	434.10	
	<i>For Parallel Blade Damper, Add</i>	133.57	
23 33 13 13-0166	EA 56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	452.87	32.30
	<i>For Stainless Steel, Add</i>	462.67	
	<i>For Parallel Blade Damper, Add</i>	142.36	
23 33 13 13-0167	EA 56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	485.83	33.76
	<i>For Stainless Steel, Add</i>	499.80	
	<i>For Parallel Blade Damper, Add</i>	153.78	
23 33 13 13-0168	EA 56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	518.80	35.22
	<i>For Stainless Steel, Add</i>	536.93	
	<i>For Parallel Blade Damper, Add</i>	165.21	
23 33 13 13-0169	EA 60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	153.93	14.67
	<i>For Stainless Steel, Add</i>	142.81	
	<i>For Parallel Blade Damper, Add</i>	43.94	
23 33 13 13-0170	EA 60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	169.31	16.13
	<i>For Stainless Steel, Add</i>	157.08	
	<i>For Parallel Blade Damper, Add</i>	48.33	
23 33 13 13-0171	EA 60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	178.11	17.63
	<i>For Stainless Steel, Add</i>	162.79	
	<i>For Parallel Blade Damper, Add</i>	50.09	
23 33 13 13-0172	EA 60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	184.72	19.09
	<i>For Stainless Steel, Add</i>	165.66	
	<i>For Parallel Blade Damper, Add</i>	50.97	
23 33 13 13-0173	EA 60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	202.32	20.54
	<i>For Stainless Steel, Add</i>	182.79	
	<i>For Parallel Blade Damper, Add</i>	56.24	
23 33 13 13-0174	EA 60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	219.88	22.03
	<i>For Stainless Steel, Add</i>	199.90	
	<i>For Parallel Blade Damper, Add</i>	61.51	
23 33 13 13-0175	EA 60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	238.57	23.49
	<i>For Stainless Steel, Add</i>	218.47	
	<i>For Parallel Blade Damper, Add</i>	67.22	
23 33 13 13-0176	EA 60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	257.25	24.95
	<i>For Stainless Steel, Add</i>	237.03	
	<i>For Parallel Blade Damper, Add</i>	72.93	
23 33 13 13-0177	EA 60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	288.02	25.70
	<i>For Stainless Steel, Add</i>	274.16	
	<i>For Parallel Blade Damper, Add</i>	84.36	
23 33 13 13-0178	EA 60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	316.59	26.40
	<i>For Stainless Steel, Add</i>	308.43	
	<i>For Parallel Blade Damper, Add</i>	94.90	
23 33 13 13-0179	EA 60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	349.56	27.90
	<i>For Stainless Steel, Add</i>	345.57	
	<i>For Parallel Blade Damper, Add</i>	106.33	
23 33 13 13-0180	EA 60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	382.53	29.36
	<i>For Stainless Steel, Add</i>	362.69	
	<i>For Parallel Blade Damper, Add</i>	117.75	
23 33 13 13-0181	EA 60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	408.89	30.80
	<i>For Stainless Steel, Add</i>	411.24	
	<i>For Parallel Blade Damper, Add</i>	126.54	
23 33 13 13-0182	EA 60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	448.46	32.30
	<i>For Stainless Steel, Add</i>	456.94	
	<i>For Parallel Blade Damper, Add</i>	140.60	
23 33 13 13-0183	EA 60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	483.61	33.76
	<i>For Stainless Steel, Add</i>	496.91	
	<i>For Parallel Blade Damper, Add</i>	152.90	
23 33 13 13-0184	EA 60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	518.80	35.22
	<i>For Stainless Steel, Add</i>	536.93	
	<i>For Parallel Blade Damper, Add</i>	165.21	
23 33 13 13-0185	EA 60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	549.53	36.72
	<i>For Stainless Steel, Add</i>	571.14	
	<i>For Parallel Blade Damper, Add</i>	175.74	
23 33 13 13-0186	EA 60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	580.33	38.16
	<i>For Stainless Steel, Add</i>	605.45	
	<i>For Parallel Blade Damper, Add</i>	186.29	

23 33 13 16 Fire Dampers (23 33 13)**23 33 13 16-0001 Fire Dampers (23 33 13 16)**

23 33 13 16-0002	SF Fire Damper, Vertical Curtain Type	37.21	4.76
	<i>For Smoke Damper, Add</i>	19.45	
	<i>For Horizontal, Add</i>	3.43	
	<i>For Dynamic Damper, Add</i>	5.15	
	<i>For 3 Hour Rated, Add</i>	4.58	
23 33 13 16-0003	SF Fire Damper, Vertical Louver Type	49.69	4.76
	<i>For Smoke Damper, Add</i>	30.06	
	<i>For Horizontal, Add</i>	5.30	
	<i>For Dynamic Damper, Add</i>	7.96	
	<i>For 3 Hour Rated, Add</i>	7.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0004 Folding Curtain Fire Dampers <small>(23 33 13 16)</small> Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.		
23 33 13 16-0005 EA 6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	32.22	4.89
For Horizontal, Add	2.63	
For Dynamic Damper, Add	3.95	
For 3 Hour Rated, Add	3.51	
For Damper Blades Outside Air Stream, Add	5.27	
23 33 13 16-0006 EA 8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	34.13	5.11
For Horizontal, Add	2.82	
For Dynamic Damper, Add	4.23	
For 3 Hour Rated, Add	3.76	
For Damper Blades Outside Air Stream, Add	5.64	
23 33 13 16-0007 EA 8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	35.47	5.15
For Horizontal, Add	3.01	
For Dynamic Damper, Add	4.51	
For 3 Hour Rated, Add	4.01	
For Damper Blades Outside Air Stream, Add	6.02	
23 33 13 16-0008 EA 10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	35.47	5.15
For Horizontal, Add	3.01	
For Dynamic Damper, Add	4.51	
For 3 Hour Rated, Add	4.01	
For Damper Blades Outside Air Stream, Add	6.02	
23 33 13 16-0009 EA 10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	37.18	5.29
For Horizontal, Add	3.20	
For Dynamic Damper, Add	4.79	
For 3 Hour Rated, Add	4.26	
For Damper Blades Outside Air Stream, Add	6.39	
23 33 13 16-0010 EA 10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	41.44	5.86
For Horizontal, Add	3.57	
For Dynamic Damper, Add	5.36	
For 3 Hour Rated, Add	4.76	
For Damper Blades Outside Air Stream, Add	7.14	
23 33 13 16-0011 EA 12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	37.18	5.29
For Horizontal, Add	3.20	
For Dynamic Damper, Add	4.79	
For 3 Hour Rated, Add	4.26	
For Damper Blades Outside Air Stream, Add	6.39	
23 33 13 16-0012 EA 12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	40.56	5.60
For Horizontal, Add	3.57	
For Dynamic Damper, Add	5.36	
For 3 Hour Rated, Add	4.76	
For Damper Blades Outside Air Stream, Add	7.14	
23 33 13 16-0013 EA 12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	42.69	5.86
For Horizontal, Add	3.76	
For Dynamic Damper, Add	5.64	
For 3 Hour Rated, Add	5.01	
For Damper Blades Outside Air Stream, Add	7.52	
23 33 13 16-0014 EA 12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	46.16	6.61
For Horizontal, Add	3.95	
For Dynamic Damper, Add	5.92	
For 3 Hour Rated, Add	5.26	
For Damper Blades Outside Air Stream, Add	7.90	
23 33 13 16-0015 EA 14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	39.93	5.60
For Horizontal, Add	3.48	
For Dynamic Damper, Add	5.22	
For 3 Hour Rated, Add	4.64	
For Damper Blades Outside Air Stream, Add	6.95	
23 33 13 16-0016 EA 14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	42.69	5.86
For Horizontal, Add	3.76	
For Dynamic Damper, Add	5.64	
For 3 Hour Rated, Add	5.01	
For Damper Blades Outside Air Stream, Add	7.52	
23 33 13 16-0017 EA 14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	44.83	6.17
For Horizontal, Add	3.95	
For Dynamic Damper, Add	5.92	
For 3 Hour Rated, Add	5.26	
For Damper Blades Outside Air Stream, Add	7.90	
23 33 13 16-0018 EA 14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	47.41	6.61
For Horizontal, Add	4.14	
For Dynamic Damper, Add	6.20	
For 3 Hour Rated, Add	5.51	
For Damper Blades Outside Air Stream, Add	8.27	
23 33 13 16-0019 EA 14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	52.74	7.36
For Horizontal, Add	4.61	
For Dynamic Damper, Add	6.91	
For 3 Hour Rated, Add	6.14	
For Damper Blades Outside Air Stream, Add	9.21	
23 33 13 16-0020 EA 16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	42.69	5.86
For Horizontal, Add	3.76	
For Dynamic Damper, Add	5.64	
For 3 Hour Rated, Add	5.01	
For Damper Blades Outside Air Stream, Add	7.52	
23 33 13 16-0021 EA 16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	45.28	6.30
For Horizontal, Add	3.95	
For Dynamic Damper, Add	5.92	
For 3 Hour Rated, Add	5.26	
For Damper Blades Outside Air Stream, Add	7.90	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 16-0022	EA 16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	48.29	6.92
	For Horizontal, Add	4.14	
	For Dynamic Damper, Add	6.20	
	For 3 Hour Rated, Add	5.51	
	For Damper Blades Outside Air Stream, Add	8.27	
23 33 13 16-0023	EA 16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	50.85	7.36
	For Horizontal, Add	4.32	
	For Dynamic Damper, Add	6.48	
	For 3 Hour Rated, Add	5.76	
	For Damper Blades Outside Air Stream, Add	8.65	
23 33 13 16-0024	EA 16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	56.20	8.07
	For Horizontal, Add	4.79	
	For Dynamic Damper, Add	7.19	
	For 3 Hour Rated, Add	6.39	
	For Damper Blades Outside Air Stream, Add	9.59	
23 33 13 16-0025	EA 16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	61.55	8.82
	For Horizontal, Add	5.27	
	For Dynamic Damper, Add	7.90	
	For 3 Hour Rated, Add	7.02	
	For Damper Blades Outside Air Stream, Add	10.53	
23 33 13 16-0026	EA 18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	44.83	6.17
	For Horizontal, Add	3.95	
	For Dynamic Damper, Add	5.92	
	For 3 Hour Rated, Add	5.26	
	For Damper Blades Outside Air Stream, Add	7.90	
23 33 13 16-0027	EA 18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	48.04	6.61
	For Horizontal, Add	4.23	
	For Dynamic Damper, Add	6.35	
	For 3 Hour Rated, Add	5.64	
	For Damper Blades Outside Air Stream, Add	8.46	
23 33 13 16-0028	EA 18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	52.11	7.36
	For Horizontal, Add	4.51	
	For Dynamic Damper, Add	6.77	
	For 3 Hour Rated, Add	6.02	
	For Damper Blades Outside Air Stream, Add	9.02	
23 33 13 16-0029	EA 18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.46	8.07
	For Horizontal, Add	4.98	
	For Dynamic Damper, Add	7.47	
	For 3 Hour Rated, Add	6.64	
	For Damper Blades Outside Air Stream, Add	9.97	
23 33 13 16-0030	EA 18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	62.17	8.82
	For Horizontal, Add	5.36	
	For Dynamic Damper, Add	8.04	
	For 3 Hour Rated, Add	7.14	
	For Damper Blades Outside Air Stream, Add	10.72	
23 33 13 16-0031	EA 18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.50	9.52
	For Horizontal, Add	5.83	
	For Dynamic Damper, Add	8.74	
	For 3 Hour Rated, Add	7.77	
	For Damper Blades Outside Air Stream, Add	11.66	
23 33 13 16-0032	EA 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.58	10.27
	For Horizontal, Add	6.11	
	For Dynamic Damper, Add	9.16	
	For 3 Hour Rated, Add	8.15	
	For Damper Blades Outside Air Stream, Add	12.22	
23 33 13 16-0033	EA 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	47.41	6.61
	For Horizontal, Add	4.14	
	For Dynamic Damper, Add	6.20	
	For 3 Hour Rated, Add	5.51	
	For Damper Blades Outside Air Stream, Add	8.27	
23 33 13 16-0034	EA 20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	52.10	7.36
	For Horizontal, Add	4.51	
	For Dynamic Damper, Add	6.77	
	For 3 Hour Rated, Add	6.01	
	For Damper Blades Outside Air Stream, Add	9.02	
23 33 13 16-0035	EA 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	56.83	8.07
	For Horizontal, Add	4.89	
	For Dynamic Damper, Add	7.33	
	For 3 Hour Rated, Add	6.52	
	For Damper Blades Outside Air Stream, Add	9.78	
23 33 13 16-0036	EA 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	64.06	8.82
	For Horizontal, Add	5.64	
	For Dynamic Damper, Add	8.46	
	For 3 Hour Rated, Add	7.52	
	For Damper Blades Outside Air Stream, Add	11.28	
23 33 13 16-0037	EA 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	68.14	9.52
	For Horizontal, Add	5.92	
	For Dynamic Damper, Add	8.89	
	For 3 Hour Rated, Add	7.90	
	For Damper Blades Outside Air Stream, Add	11.85	
23 33 13 16-0038	EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	72.21	10.27
	For Horizontal, Add	6.20	
	For Dynamic Damper, Add	9.31	
	For 3 Hour Rated, Add	8.27	
	For Damper Blades Outside Air Stream, Add	12.41	
23 33 13 16-0039	EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.92	11.02
	For Horizontal, Add	6.58	
	For Dynamic Damper, Add	9.87	
	For 3 Hour Rated, Add	8.77	
	For Damper Blades Outside Air Stream, Add	13.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0040	EA		20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	81.63	11.73
			<i>For Horizontal, Add</i>	6.96	
			<i>For Dynamic Damper, Add</i>	10.43	
			<i>For 3 Hour Rated, Add</i>	9.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.91	
23 33 13 16-0041	EA		24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	53.36	7.36
			<i>For Horizontal, Add</i>	4.70	
			<i>For Dynamic Damper, Add</i>	7.05	
			<i>For 3 Hour Rated, Add</i>	6.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.40	
23 33 13 16-0042	EA		24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	59.34	8.07
			<i>For Horizontal, Add</i>	5.27	
			<i>For Dynamic Damper, Add</i>	7.90	
			<i>For 3 Hour Rated, Add</i>	7.02	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.53	
23 33 13 16-0043	EA		24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	64.06	8.82
			<i>For Horizontal, Add</i>	5.64	
			<i>For Dynamic Damper, Add</i>	8.46	
			<i>For 3 Hour Rated, Add</i>	7.52	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.28	
23 33 13 16-0044	EA		24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	70.01	9.52
			<i>For Horizontal, Add</i>	6.20	
			<i>For Dynamic Damper, Add</i>	9.31	
			<i>For 3 Hour Rated, Add</i>	8.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.41	
23 33 13 16-0045	EA		24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.09	10.27
			<i>For Horizontal, Add</i>	6.49	
			<i>For Dynamic Damper, Add</i>	9.73	
			<i>For 3 Hour Rated, Add</i>	8.65	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.97	
23 33 13 16-0046	EA		24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.17	11.02
			<i>For Horizontal, Add</i>	6.77	
			<i>For Dynamic Damper, Add</i>	10.15	
			<i>For 3 Hour Rated, Add</i>	9.02	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.54	
23 33 13 16-0047	EA		24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.14	11.73
			<i>For Horizontal, Add</i>	7.33	
			<i>For Dynamic Damper, Add</i>	11.00	
			<i>For 3 Hour Rated, Add</i>	9.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.66	
23 33 13 16-0048	EA		24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.30	13.22
			<i>For Horizontal, Add</i>	7.90	
			<i>For Dynamic Damper, Add</i>	11.84	
			<i>For 3 Hour Rated, Add</i>	10.53	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.79	
23 33 13 16-0049	EA		24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.74	14.67
			<i>For Horizontal, Add</i>	8.65	
			<i>For Dynamic Damper, Add</i>	12.97	
			<i>For 3 Hour Rated, Add</i>	11.53	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.30	
23 33 13 16-0050	EA		28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	59.34	8.07
			<i>For Horizontal, Add</i>	5.27	
			<i>For Dynamic Damper, Add</i>	7.90	
			<i>For 3 Hour Rated, Add</i>	7.02	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.53	
23 33 13 16-0051	EA		28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	64.06	8.82
			<i>For Horizontal, Add</i>	5.64	
			<i>For Dynamic Damper, Add</i>	8.46	
			<i>For 3 Hour Rated, Add</i>	7.52	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.28	
23 33 13 16-0052	EA		28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	70.01	9.52
			<i>For Horizontal, Add</i>	6.20	
			<i>For Dynamic Damper, Add</i>	9.31	
			<i>For 3 Hour Rated, Add</i>	8.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.41	
23 33 13 16-0053	EA		28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.72	10.27
			<i>For Horizontal, Add</i>	6.58	
			<i>For Dynamic Damper, Add</i>	9.87	
			<i>For 3 Hour Rated, Add</i>	8.77	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.16	
23 33 13 16-0054	EA		28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.05	11.02
			<i>For Horizontal, Add</i>	7.05	
			<i>For Dynamic Damper, Add</i>	10.58	
			<i>For 3 Hour Rated, Add</i>	9.40	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.10	
23 33 13 16-0055	EA		28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.38	11.73
			<i>For Horizontal, Add</i>	7.52	
			<i>For Dynamic Damper, Add</i>	11.28	
			<i>For 3 Hour Rated, Add</i>	10.02	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.04	
23 33 13 16-0056	EA		28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.55	13.22
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0057	EA		28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.74	14.67
			<i>For Horizontal, Add</i>	8.65	
			<i>For Dynamic Damper, Add</i>	12.97	
			<i>For 3 Hour Rated, Add</i>	11.53	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 16-0058	EA 28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.45	15.42
	For Horizontal, Add	9.78	
	For Dynamic Damper, Add	14.66	
	For 3 Hour Rated, Add	13.03	
	For Damper Blades Outside Air Stream, Add	19.55	
23 33 13 16-0059	EA 28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	122.12	16.88
	For Horizontal, Add	10.72	
	For Dynamic Damper, Add	16.07	
	For 3 Hour Rated, Add	14.29	
	For Damper Blades Outside Air Stream, Add	21.43	
23 33 13 16-0060	EA 32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.81	8.82
	For Horizontal, Add	6.20	
	For Dynamic Damper, Add	9.31	
	For 3 Hour Rated, Add	8.27	
	For Damper Blades Outside Air Stream, Add	12.41	
23 33 13 16-0061	EA 32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.26	9.52
	For Horizontal, Add	6.39	
	For Dynamic Damper, Add	9.59	
	For 3 Hour Rated, Add	8.52	
	For Damper Blades Outside Air Stream, Add	12.78	
23 33 13 16-0062	EA 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.72	10.27
	For Horizontal, Add	6.58	
	For Dynamic Damper, Add	9.87	
	For 3 Hour Rated, Add	8.77	
	For Damper Blades Outside Air Stream, Add	13.16	
23 33 13 16-0063	EA 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.42	11.02
	For Horizontal, Add	6.96	
	For Dynamic Damper, Add	10.43	
	For 3 Hour Rated, Add	9.27	
	For Damper Blades Outside Air Stream, Add	13.91	
23 33 13 16-0064	EA 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.62	11.73
	For Horizontal, Add	7.55	
	For Dynamic Damper, Add	11.33	
	For 3 Hour Rated, Add	10.07	
	For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0065	EA 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.55	13.22
	For Horizontal, Add	8.08	
	For Dynamic Damper, Add	12.13	
	For 3 Hour Rated, Add	10.78	
	For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0066	EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	102.99	14.67
	For Horizontal, Add	8.84	
	For Dynamic Damper, Add	13.25	
	For 3 Hour Rated, Add	11.78	
	For Damper Blades Outside Air Stream, Add	17.67	
23 33 13 16-0067	EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.41	16.13
	For Horizontal, Add	9.59	
	For Dynamic Damper, Add	14.38	
	For 3 Hour Rated, Add	12.79	
	For Damper Blades Outside Air Stream, Add	19.18	
23 33 13 16-0068	EA 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	122.12	16.88
	For Horizontal, Add	10.72	
	For Dynamic Damper, Add	16.07	
	For 3 Hour Rated, Add	14.29	
	For Damper Blades Outside Air Stream, Add	21.43	
23 33 13 16-0069	EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.43	18.07
	For Horizontal, Add	12.03	
	For Dynamic Damper, Add	18.05	
	For 3 Hour Rated, Add	16.04	
	For Damper Blades Outside Air Stream, Add	24.07	
23 33 13 16-0070	EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.53	19.09
	For Horizontal, Add	13.54	
	For Dynamic Damper, Add	20.30	
	For 3 Hour Rated, Add	18.05	
	For Damper Blades Outside Air Stream, Add	27.07	
23 33 13 16-0071	EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	73.77	9.52
	For Horizontal, Add	6.77	
	For Dynamic Damper, Add	10.15	
	For 3 Hour Rated, Add	9.02	
	For Damper Blades Outside Air Stream, Add	13.54	
23 33 13 16-0072	EA 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.47	10.27
	For Horizontal, Add	7.14	
	For Dynamic Damper, Add	10.71	
	For 3 Hour Rated, Add	9.52	
	For Damper Blades Outside Air Stream, Add	14.29	
23 33 13 16-0073	EA 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	83.17	11.02
	For Horizontal, Add	7.52	
	For Dynamic Damper, Add	11.28	
	For 3 Hour Rated, Add	10.02	
	For Damper Blades Outside Air Stream, Add	15.04	
23 33 13 16-0074	EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.15	11.73
	For Horizontal, Add	8.08	
	For Dynamic Damper, Add	12.13	
	For 3 Hour Rated, Add	10.78	
	For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0075	EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.44	13.22
	For Horizontal, Add	8.37	
	For Dynamic Damper, Add	12.55	
	For 3 Hour Rated, Add	11.16	
	For Damper Blades Outside Air Stream, Add	16.73	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0076	EA		36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	99.53	13.92
			<i>For Horizontal, Add</i>	8.65	
			<i>For Dynamic Damper, Add</i>	12.97	
			<i>For 3 Hour Rated, Add</i>	11.53	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.30	
23 33 13 16-0077	EA		36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.41	16.13
			<i>For Horizontal, Add</i>	9.59	
			<i>For Dynamic Damper, Add</i>	14.38	
			<i>For 3 Hour Rated, Add</i>	12.79	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.18	
23 33 13 16-0078	EA		36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	123.07	17.63
			<i>For Horizontal, Add</i>	10.53	
			<i>For Dynamic Damper, Add</i>	15.79	
			<i>For 3 Hour Rated, Add</i>	14.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.05	
23 33 13 16-0079	EA		36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	99.05	18.21
			<i>For Horizontal, Add</i>	6.66	
			<i>For Dynamic Damper, Add</i>	9.99	
			<i>For 3 Hour Rated, Add</i>	8.88	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.32	
23 33 13 16-0080	EA		36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.35	19.52
			<i>For Horizontal, Add</i>	13.16	
			<i>For Dynamic Damper, Add</i>	19.74	
			<i>For 3 Hour Rated, Add</i>	17.55	
			<i>For Damper Blades Outside Air Stream, Add</i>	26.32	
23 33 13 16-0081	EA		36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.21	20.54
			<i>For Horizontal, Add</i>	14.48	
			<i>For Dynamic Damper, Add</i>	21.71	
			<i>For 3 Hour Rated, Add</i>	19.30	
			<i>For Damper Blades Outside Air Stream, Add</i>	28.95	
23 33 13 16-0082	EA		36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.44	21.28
			<i>For Horizontal, Add</i>	15.98	
			<i>For Dynamic Damper, Add</i>	23.97	
			<i>For 3 Hour Rated, Add</i>	21.31	
			<i>For Damper Blades Outside Air Stream, Add</i>	31.96	
23 33 13 16-0083	EA		40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.22	11.02
			<i>For Horizontal, Add</i>	6.96	
			<i>For Dynamic Damper, Add</i>	10.43	
			<i>For 3 Hour Rated, Add</i>	9.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.91	
23 33 13 16-0084	EA		40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.43	11.73
			<i>For Horizontal, Add</i>	7.71	
			<i>For Dynamic Damper, Add</i>	11.56	
			<i>For 3 Hour Rated, Add</i>	10.28	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.41	
23 33 13 16-0085	EA		40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.90	12.48
			<i>For Horizontal, Add</i>	7.90	
			<i>For Dynamic Damper, Add</i>	11.84	
			<i>For 3 Hour Rated, Add</i>	10.53	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.79	
23 33 13 16-0086	EA		40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.36	13.22
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0087	EA		40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.15	13.92
			<i>For Horizontal, Add</i>	8.74	
			<i>For Dynamic Damper, Add</i>	13.11	
			<i>For 3 Hour Rated, Add</i>	11.66	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.48	
23 33 13 16-0088	EA		40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.75	14.67
			<i>For Horizontal, Add</i>	9.40	
			<i>For Dynamic Damper, Add</i>	14.10	
			<i>For 3 Hour Rated, Add</i>	12.53	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.80	
23 33 13 16-0089	EA		40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.36	16.88
			<i>For Horizontal, Add</i>	10.15	
			<i>For Dynamic Damper, Add</i>	15.23	
			<i>For 3 Hour Rated, Add</i>	13.54	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.30	
23 33 13 16-0090	EA		40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.79	18.34
			<i>For Horizontal, Add</i>	10.90	
			<i>For Dynamic Damper, Add</i>	16.36	
			<i>For 3 Hour Rated, Add</i>	14.54	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.81	
23 33 13 16-0091	EA		40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.84	19.52
			<i>For Horizontal, Add</i>	12.03	
			<i>For Dynamic Damper, Add</i>	18.05	
			<i>For 3 Hour Rated, Add</i>	16.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.07	
23 33 13 16-0092	EA		40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.71	20.54
			<i>For Horizontal, Add</i>	14.10	
			<i>For Dynamic Damper, Add</i>	21.15	
			<i>For 3 Hour Rated, Add</i>	18.80	
			<i>For Damper Blades Outside Air Stream, Add</i>	28.20	
23 33 13 16-0093	EA		40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.74	21.73
			<i>For Horizontal, Add</i>	15.23	
			<i>For Dynamic Damper, Add</i>	22.84	
			<i>For 3 Hour Rated, Add</i>	20.30	
			<i>For Damper Blades Outside Air Stream, Add</i>	30.45	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0094	EA		40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	182.30	22.30
			<i>For Horizontal, Add</i>	17.30	
			<i>For Dynamic Damper, Add</i>	25.94	
			<i>For 3 Hour Rated, Add</i>	23.06	
			<i>For Damper Blades Outside Air Stream, Add</i>	34.59	
23 33 13 16-0095	EA		40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.36	23.49
			<i>For Horizontal, Add</i>	19.18	
			<i>For Dynamic Damper, Add</i>	28.76	
			<i>For 3 Hour Rated, Add</i>	25.57	
			<i>For Damper Blades Outside Air Stream, Add</i>	38.35	
23 33 13 16-0096	EA		44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	81.93	11.02
			<i>For Horizontal, Add</i>	7.33	
			<i>For Dynamic Damper, Add</i>	11.00	
			<i>For 3 Hour Rated, Add</i>	9.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.66	
23 33 13 16-0097	EA		44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.15	11.73
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0098	EA		44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.13	12.48
			<i>For Horizontal, Add</i>	8.65	
			<i>For Dynamic Damper, Add</i>	12.97	
			<i>For 3 Hour Rated, Add</i>	11.53	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.30	
23 33 13 16-0099	EA		44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.57	13.22
			<i>For Horizontal, Add</i>	8.84	
			<i>For Dynamic Damper, Add</i>	13.25	
			<i>For 3 Hour Rated, Add</i>	11.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.67	
23 33 13 16-0100	EA		44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.80	13.92
			<i>For Horizontal, Add</i>	9.59	
			<i>For Dynamic Damper, Add</i>	14.38	
			<i>For 3 Hour Rated, Add</i>	12.79	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.18	
23 33 13 16-0101	EA		44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.02	14.67
			<i>For Horizontal, Add</i>	10.34	
			<i>For Dynamic Damper, Add</i>	15.51	
			<i>For 3 Hour Rated, Add</i>	13.79	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.68	
23 33 13 16-0102	EA		44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.10	17.63
			<i>For Horizontal, Add</i>	11.28	
			<i>For Dynamic Damper, Add</i>	16.92	
			<i>For 3 Hour Rated, Add</i>	15.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.56	
23 33 13 16-0103	EA		44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.75	19.09
			<i>For Horizontal, Add</i>	12.22	
			<i>For Dynamic Damper, Add</i>	18.33	
			<i>For 3 Hour Rated, Add</i>	16.29	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.44	
23 33 13 16-0104	EA		44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.71	20.54
			<i>For Horizontal, Add</i>	14.10	
			<i>For Dynamic Damper, Add</i>	21.15	
			<i>For 3 Hour Rated, Add</i>	18.80	
			<i>For Damper Blades Outside Air Stream, Add</i>	28.20	
23 33 13 16-0105	EA		44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	171.39	22.03
			<i>For Horizontal, Add</i>	15.79	
			<i>For Dynamic Damper, Add</i>	23.69	
			<i>For 3 Hour Rated, Add</i>	21.06	
			<i>For Damper Blades Outside Air Stream, Add</i>	31.58	
23 33 13 16-0106	EA		44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.33	23.49
			<i>For Horizontal, Add</i>	17.67	
			<i>For Dynamic Damper, Add</i>	26.51	
			<i>For 3 Hour Rated, Add</i>	23.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	35.34	
23 33 13 16-0107	EA		44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.81	24.20
			<i>For Horizontal, Add</i>	19.36	
			<i>For Dynamic Damper, Add</i>	29.05	
			<i>For 3 Hour Rated, Add</i>	25.82	
			<i>For Damper Blades Outside Air Stream, Add</i>	38.73	
23 33 13 16-0108	EA		44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.29	24.95
			<i>For Horizontal, Add</i>	21.06	
			<i>For Dynamic Damper, Add</i>	31.58	
			<i>For 3 Hour Rated, Add</i>	28.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	42.11	
23 33 13 16-0109	EA		44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.79	25.70
			<i>For Horizontal, Add</i>	22.75	
			<i>For Dynamic Damper, Add</i>	34.12	
			<i>For 3 Hour Rated, Add</i>	30.33	
			<i>For Damper Blades Outside Air Stream, Add</i>	45.50	
23 33 13 16-0110	EA		48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.90	11.73
			<i>For Horizontal, Add</i>	7.90	
			<i>For Dynamic Damper, Add</i>	11.84	
			<i>For 3 Hour Rated, Add</i>	10.53	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.79	
23 33 13 16-0111	EA		48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.13	12.48
			<i>For Horizontal, Add</i>	8.65	
			<i>For Dynamic Damper, Add</i>	12.97	
			<i>For 3 Hour Rated, Add</i>	11.53	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0112	EA		48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.57	13.22
			<i>For Horizontal, Add</i>	8.84	
			<i>For Dynamic Damper, Add</i>	13.25	
			<i>For 3 Hour Rated, Add</i>	11.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.67	
23 33 13 16-0113	EA		48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.75	14.67
			<i>For Horizontal, Add</i>	9.40	
			<i>For Dynamic Damper, Add</i>	14.10	
			<i>For 3 Hour Rated, Add</i>	12.53	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.80	
23 33 13 16-0114	EA		48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.16	16.13
			<i>For Horizontal, Add</i>	10.15	
			<i>For Dynamic Damper, Add</i>	15.23	
			<i>For 3 Hour Rated, Add</i>	13.54	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.30	
23 33 13 16-0115	EA		48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.58	17.63
			<i>For Horizontal, Add</i>	10.90	
			<i>For Dynamic Damper, Add</i>	16.36	
			<i>For 3 Hour Rated, Add</i>	14.54	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.81	
23 33 13 16-0116	EA		48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	137.51	19.09
			<i>For Horizontal, Add</i>	12.03	
			<i>For Dynamic Damper, Add</i>	18.05	
			<i>For 3 Hour Rated, Add</i>	16.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.07	
23 33 13 16-0117	EA		48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.44	20.54
			<i>For Horizontal, Add</i>	13.16	
			<i>For Dynamic Damper, Add</i>	19.74	
			<i>For 3 Hour Rated, Add</i>	17.55	
			<i>For Damper Blades Outside Air Stream, Add</i>	26.32	
23 33 13 16-0118	EA		48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.12	22.03
			<i>For Horizontal, Add</i>	14.85	
			<i>For Dynamic Damper, Add</i>	22.28	
			<i>For 3 Hour Rated, Add</i>	19.80	
			<i>For Damper Blades Outside Air Stream, Add</i>	29.70	
23 33 13 16-0119	EA		48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	183.31	23.49
			<i>For Horizontal, Add</i>	16.92	
			<i>For Dynamic Damper, Add</i>	25.38	
			<i>For 3 Hour Rated, Add</i>	22.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	33.84	
23 33 13 16-0120	EA		48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	196.80	24.20
			<i>For Horizontal, Add</i>	18.61	
			<i>For Dynamic Damper, Add</i>	27.92	
			<i>For 3 Hour Rated, Add</i>	24.82	
			<i>For Damper Blades Outside Air Stream, Add</i>	37.22	
23 33 13 16-0121	EA		48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.03	24.95
			<i>For Horizontal, Add</i>	20.87	
			<i>For Dynamic Damper, Add</i>	31.30	
			<i>For 3 Hour Rated, Add</i>	27.82	
			<i>For Damper Blades Outside Air Stream, Add</i>	41.73	
23 33 13 16-0122	EA		48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	229.74	26.40
			<i>For Horizontal, Add</i>	22.56	
			<i>For Dynamic Damper, Add</i>	33.84	
			<i>For 3 Hour Rated, Add</i>	30.08	
			<i>For Damper Blades Outside Air Stream, Add</i>	45.12	
23 33 13 16-0123	EA		48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.97	27.15
			<i>For Horizontal, Add</i>	24.82	
			<i>For Dynamic Damper, Add</i>	37.22	
			<i>For 3 Hour Rated, Add</i>	33.09	
			<i>For Damper Blades Outside Air Stream, Add</i>	49.63	
23 33 13 16-0124	EA		48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	263.61	29.36
			<i>For Horizontal, Add</i>	26.32	
			<i>For Dynamic Damper, Add</i>	39.48	
			<i>For 3 Hour Rated, Add</i>	35.09	
			<i>For Damper Blades Outside Air Stream, Add</i>	52.64	
23 33 13 16-0125	EA		52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.87	12.48
			<i>For Horizontal, Add</i>	8.46	
			<i>For Dynamic Damper, Add</i>	12.69	
			<i>For 3 Hour Rated, Add</i>	11.28	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.92	
23 33 13 16-0126	EA		52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.07	13.22
			<i>For Horizontal, Add</i>	9.21	
			<i>For Dynamic Damper, Add</i>	13.82	
			<i>For 3 Hour Rated, Add</i>	12.28	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.42	
23 33 13 16-0127	EA		52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	110.51	14.67
			<i>For Horizontal, Add</i>	9.96	
			<i>For Dynamic Damper, Add</i>	14.95	
			<i>For 3 Hour Rated, Add</i>	13.29	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.93	
23 33 13 16-0128	EA		52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.16	16.13
			<i>For Horizontal, Add</i>	10.15	
			<i>For Dynamic Damper, Add</i>	15.23	
			<i>For 3 Hour Rated, Add</i>	13.54	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.30	
23 33 13 16-0129	EA		52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	126.22	17.63
			<i>For Horizontal, Add</i>	11.00	
			<i>For Dynamic Damper, Add</i>	16.50	
			<i>For 3 Hour Rated, Add</i>	14.67	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0130	EA		52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.25	19.09
			<i>For Horizontal, Add</i>	11.84	
			<i>For Dynamic Damper, Add</i>	17.77	
			<i>For 3 Hour Rated, Add</i>	15.79	
			<i>For Damper Blades Outside Air Stream, Add</i>	23.69	
23 33 13 16-0131	EA		52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	148.20	20.54
			<i>For Horizontal, Add</i>	12.97	
			<i>For Dynamic Damper, Add</i>	19.46	
			<i>For 3 Hour Rated, Add</i>	17.30	
			<i>For Damper Blades Outside Air Stream, Add</i>	25.95	
23 33 13 16-0132	EA		52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	160.11	22.03
			<i>For Horizontal, Add</i>	14.10	
			<i>For Dynamic Damper, Add</i>	21.15	
			<i>For 3 Hour Rated, Add</i>	18.80	
			<i>For Damper Blades Outside Air Stream, Add</i>	28.20	
23 33 13 16-0133	EA		52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.80	23.49
			<i>For Horizontal, Add</i>	15.79	
			<i>For Dynamic Damper, Add</i>	23.69	
			<i>For 3 Hour Rated, Add</i>	21.06	
			<i>For Damper Blades Outside Air Stream, Add</i>	31.58	
23 33 13 16-0134	EA		52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	195.24	24.95
			<i>For Horizontal, Add</i>	18.05	
			<i>For Dynamic Damper, Add</i>	27.07	
			<i>For 3 Hour Rated, Add</i>	24.06	
			<i>For Damper Blades Outside Air Stream, Add</i>	36.10	
23 33 13 16-0135	EA		52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	209.97	25.70
			<i>For Horizontal, Add</i>	19.93	
			<i>For Dynamic Damper, Add</i>	29.89	
			<i>For 3 Hour Rated, Add</i>	26.57	
			<i>For Damper Blades Outside Air Stream, Add</i>	39.85	
23 33 13 16-0136	EA		52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.49	26.40
			<i>For Horizontal, Add</i>	22.37	
			<i>For Dynamic Damper, Add</i>	33.56	
			<i>For 3 Hour Rated, Add</i>	29.83	
			<i>For Damper Blades Outside Air Stream, Add</i>	44.75	
23 33 13 16-0137	EA		52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	247.91	27.90
			<i>For Horizontal, Add</i>	24.63	
			<i>For Dynamic Damper, Add</i>	36.94	
			<i>For 3 Hour Rated, Add</i>	32.83	
			<i>For Damper Blades Outside Air Stream, Add</i>	49.25	
23 33 13 16-0138	EA		52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	263.61	29.36
			<i>For Horizontal, Add</i>	26.32	
			<i>For Dynamic Damper, Add</i>	39.48	
			<i>For 3 Hour Rated, Add</i>	35.09	
			<i>For Damper Blades Outside Air Stream, Add</i>	52.64	
23 33 13 16-0139	EA		52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	285.26	31.55
			<i>For Horizontal, Add</i>	28.58	
			<i>For Dynamic Damper, Add</i>	42.86	
			<i>For 3 Hour Rated, Add</i>	38.10	
			<i>For Damper Blades Outside Air Stream, Add</i>	57.15	
23 33 13 16-0140	EA		52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	302.20	33.01
			<i>For Horizontal, Add</i>	30.46	
			<i>For Dynamic Damper, Add</i>	45.68	
			<i>For 3 Hour Rated, Add</i>	40.61	
			<i>For Damper Blades Outside Air Stream, Add</i>	60.91	
23 33 13 16-0141	EA		56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.57	13.22
			<i>For Horizontal, Add</i>	8.84	
			<i>For Dynamic Damper, Add</i>	13.25	
			<i>For 3 Hour Rated, Add</i>	11.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.67	
23 33 13 16-0142	EA		56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.25	14.67
			<i>For Horizontal, Add</i>	9.78	
			<i>For Dynamic Damper, Add</i>	14.66	
			<i>For 3 Hour Rated, Add</i>	13.03	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.55	
23 33 13 16-0143	EA		56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.42	16.13
			<i>For Horizontal, Add</i>	10.34	
			<i>For Dynamic Damper, Add</i>	15.51	
			<i>For 3 Hour Rated, Add</i>	13.79	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.68	
23 33 13 16-0144	EA		56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	123.07	17.63
			<i>For Horizontal, Add</i>	10.53	
			<i>For Dynamic Damper, Add</i>	15.79	
			<i>For 3 Hour Rated, Add</i>	14.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.05	
23 33 13 16-0145	EA		56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.37	19.09
			<i>For Horizontal, Add</i>	11.56	
			<i>For Dynamic Damper, Add</i>	17.34	
			<i>For 3 Hour Rated, Add</i>	15.42	
			<i>For Damper Blades Outside Air Stream, Add</i>	23.12	
23 33 13 16-0146	EA		56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.69	20.54
			<i>For Horizontal, Add</i>	12.60	
			<i>For Dynamic Damper, Add</i>	18.90	
			<i>For 3 Hour Rated, Add</i>	16.80	
			<i>For Damper Blades Outside Air Stream, Add</i>	25.19	
23 33 13 16-0147	EA		56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.98	22.03
			<i>For Horizontal, Add</i>	13.63	
			<i>For Dynamic Damper, Add</i>	20.45	
			<i>For 3 Hour Rated, Add</i>	18.17	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0148	EA		56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	168.28	23.49
			<i>For Horizontal, Add</i>	14.66	
			<i>For Dynamic Damper, Add</i>	22.00	
			<i>For 3 Hour Rated, Add</i>	19.55	
			<i>For Damper Blades Outside Air Stream, Add</i>	29.33	
23 33 13 16-0149	EA		56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	187.71	24.95
			<i>For Horizontal, Add</i>	16.92	
			<i>For Dynamic Damper, Add</i>	25.38	
			<i>For 3 Hour Rated, Add</i>	22.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	33.84	
23 33 13 16-0150	EA		56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	204.97	25.70
			<i>For Horizontal, Add</i>	19.18	
			<i>For Dynamic Damper, Add</i>	28.76	
			<i>For 3 Hour Rated, Add</i>	25.57	
			<i>For Damper Blades Outside Air Stream, Add</i>	38.35	
23 33 13 16-0151	EA		56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	220.96	26.40
			<i>For Horizontal, Add</i>	21.24	
			<i>For Dynamic Damper, Add</i>	31.86	
			<i>For 3 Hour Rated, Add</i>	28.32	
			<i>For Damper Blades Outside Air Stream, Add</i>	42.49	
23 33 13 16-0152	EA		56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.91	27.90
			<i>For Horizontal, Add</i>	23.88	
			<i>For Dynamic Damper, Add</i>	35.81	
			<i>For 3 Hour Rated, Add</i>	31.83	
			<i>For Damper Blades Outside Air Stream, Add</i>	47.75	
23 33 13 16-0153	EA		56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	262.36	29.36
			<i>For Horizontal, Add</i>	26.13	
			<i>For Dynamic Damper, Add</i>	39.20	
			<i>For 3 Hour Rated, Add</i>	34.84	
			<i>For Damper Blades Outside Air Stream, Add</i>	52.26	
23 33 13 16-0154	EA		56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	283.05	30.80
			<i>For Horizontal, Add</i>	28.58	
			<i>For Dynamic Damper, Add</i>	42.86	
			<i>For 3 Hour Rated, Add</i>	38.10	
			<i>For Damper Blades Outside Air Stream, Add</i>	57.15	
23 33 13 16-0155	EA		56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	300.01	32.30
			<i>For Horizontal, Add</i>	30.46	
			<i>For Dynamic Damper, Add</i>	45.68	
			<i>For 3 Hour Rated, Add</i>	40.61	
			<i>For Damper Blades Outside Air Stream, Add</i>	60.91	
23 33 13 16-0156	EA		56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	320.70	33.76
			<i>For Horizontal, Add</i>	32.90	
			<i>For Dynamic Damper, Add</i>	49.35	
			<i>For 3 Hour Rated, Add</i>	43.87	
			<i>For Damper Blades Outside Air Stream, Add</i>	65.80	
23 33 13 16-0157	EA		56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	341.40	35.22
			<i>For Horizontal, Add</i>	35.34	
			<i>For Dynamic Damper, Add</i>	53.01	
			<i>For 3 Hour Rated, Add</i>	47.12	
			<i>For Damper Blades Outside Air Stream, Add</i>	70.69	
23 33 13 16-0158	EA		60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.75	14.67
			<i>For Horizontal, Add</i>	9.40	
			<i>For Dynamic Damper, Add</i>	14.10	
			<i>For 3 Hour Rated, Add</i>	12.53	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.80	
23 33 13 16-0159	EA		60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.42	16.13
			<i>For Horizontal, Add</i>	10.34	
			<i>For Dynamic Damper, Add</i>	15.51	
			<i>For 3 Hour Rated, Add</i>	13.79	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.68	
23 33 13 16-0160	EA		60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.33	17.63
			<i>For Horizontal, Add</i>	10.72	
			<i>For Dynamic Damper, Add</i>	16.07	
			<i>For 3 Hour Rated, Add</i>	14.29	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.43	
23 33 13 16-0161	EA		60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.98	19.09
			<i>For Horizontal, Add</i>	10.90	
			<i>For Dynamic Damper, Add</i>	16.36	
			<i>For 3 Hour Rated, Add</i>	14.54	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.81	
23 33 13 16-0162	EA		60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.93	20.54
			<i>For Horizontal, Add</i>	12.03	
			<i>For Dynamic Damper, Add</i>	18.05	
			<i>For 3 Hour Rated, Add</i>	16.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.07	
23 33 13 16-0163	EA		60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	153.84	22.03
			<i>For Horizontal, Add</i>	13.16	
			<i>For Dynamic Damper, Add</i>	19.74	
			<i>For 3 Hour Rated, Add</i>	17.55	
			<i>For Damper Blades Outside Air Stream, Add</i>	26.32	
23 33 13 16-0164	EA		60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.40	23.49
			<i>For Horizontal, Add</i>	14.38	
			<i>For Dynamic Damper, Add</i>	21.57	
			<i>For 3 Hour Rated, Add</i>	19.18	
			<i>For Damper Blades Outside Air Stream, Add</i>	28.76	
23 33 13 16-0165	EA		60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	178.94	24.95
			<i>For Horizontal, Add</i>	15.60	
			<i>For Dynamic Damper, Add</i>	23.40	
			<i>For 3 Hour Rated, Add</i>	20.80	
			<i>For Damper Blades Outside Air Stream, Add</i>	31.21	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0166	EA		60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	197.45	25.70
			<i>For Horizontal, Add</i>	18.05	
			<i>For Dynamic Damper, Add</i>	27.07	
			<i>For 3 Hour Rated, Add</i>	24.06	
			<i>For Damper Blades Outside Air Stream, Add</i>	36.10	
23 33 13 16-0167	EA		60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.69	26.40
			<i>For Horizontal, Add</i>	20.30	
			<i>For Dynamic Damper, Add</i>	30.45	
			<i>For 3 Hour Rated, Add</i>	27.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	40.61	
23 33 13 16-0168	EA		60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.40	27.90
			<i>For Horizontal, Add</i>	22.75	
			<i>For Dynamic Damper, Add</i>	34.12	
			<i>For 3 Hour Rated, Add</i>	30.33	
			<i>For Damper Blades Outside Air Stream, Add</i>	45.50	
23 33 13 16-0169	EA		60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	256.10	29.36
			<i>For Horizontal, Add</i>	25.19	
			<i>For Dynamic Damper, Add</i>	37.79	
			<i>For 3 Hour Rated, Add</i>	33.59	
			<i>For Damper Blades Outside Air Stream, Add</i>	50.39	
23 33 13 16-0170	EA		60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	273.03	30.80
			<i>For Horizontal, Add</i>	27.07	
			<i>For Dynamic Damper, Add</i>	40.61	
			<i>For 3 Hour Rated, Add</i>	36.10	
			<i>For Damper Blades Outside Air Stream, Add</i>	54.14	
23 33 13 16-0171	EA		60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	297.50	32.30
			<i>For Horizontal, Add</i>	30.08	
			<i>For Dynamic Damper, Add</i>	45.12	
			<i>For 3 Hour Rated, Add</i>	40.11	
			<i>For Damper Blades Outside Air Stream, Add</i>	60.16	
23 33 13 16-0172	EA		60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	319.44	33.76
			<i>For Horizontal, Add</i>	32.71	
			<i>For Dynamic Damper, Add</i>	49.07	
			<i>For 3 Hour Rated, Add</i>	43.61	
			<i>For Damper Blades Outside Air Stream, Add</i>	65.42	
23 33 13 16-0173	EA		60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	341.40	35.22
			<i>For Horizontal, Add</i>	35.34	
			<i>For Dynamic Damper, Add</i>	53.01	
			<i>For 3 Hour Rated, Add</i>	47.12	
			<i>For Damper Blades Outside Air Stream, Add</i>	70.69	
23 33 13 16-0174	EA		60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	360.84	36.72
			<i>For Horizontal, Add</i>	37.60	
			<i>For Dynamic Damper, Add</i>	56.40	
			<i>For 3 Hour Rated, Add</i>	50.13	
			<i>For Damper Blades Outside Air Stream, Add</i>	75.20	
23 33 13 16-0175	EA		60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	380.31	38.16
			<i>For Horizontal, Add</i>	39.86	
			<i>For Dynamic Damper, Add</i>	59.78	
			<i>For 3 Hour Rated, Add</i>	53.14	
			<i>For Damper Blades Outside Air Stream, Add</i>	79.71	
23 33 13 16-0176			Parallel Blade Louver Fire Damper <small>(23 33 13 16)</small>		
			Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177	EA		6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	50.98	4.89
			<i>For Horizontal, Add</i>	5.45	
			<i>For Dynamic Damper, Add</i>	8.17	
			<i>For 3 Hour Rated, Add</i>	7.26	
23 33 13 16-0178	EA		8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	53.21	5.11
			<i>For Horizontal, Add</i>	5.68	
			<i>For Dynamic Damper, Add</i>	8.52	
			<i>For 3 Hour Rated, Add</i>	7.57	
23 33 13 16-0179	EA		8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	54.86	5.15
			<i>For Horizontal, Add</i>	5.92	
			<i>For Dynamic Damper, Add</i>	8.87	
			<i>For 3 Hour Rated, Add</i>	7.89	
23 33 13 16-0180	EA		10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	54.86	5.15
			<i>For Horizontal, Add</i>	5.92	
			<i>For Dynamic Damper, Add</i>	8.87	
			<i>For 3 Hour Rated, Add</i>	7.89	
23 33 13 16-0181	EA		10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	56.88	5.29
			<i>For Horizontal, Add</i>	6.15	
			<i>For Dynamic Damper, Add</i>	9.23	
			<i>For 3 Hour Rated, Add</i>	8.20	
23 33 13 16-0182	EA		10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	61.76	5.86
			<i>For Horizontal, Add</i>	6.62	
			<i>For Dynamic Damper, Add</i>	9.93	
			<i>For 3 Hour Rated, Add</i>	8.83	
23 33 13 16-0183	EA		12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	56.88	5.29
			<i>For Horizontal, Add</i>	6.15	
			<i>For Dynamic Damper, Add</i>	9.23	
			<i>For 3 Hour Rated, Add</i>	8.20	
23 33 13 16-0184	EA		12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	60.88	5.60
			<i>For Horizontal, Add</i>	6.62	
			<i>For Dynamic Damper, Add</i>	9.93	
			<i>For 3 Hour Rated, Add</i>	8.83	
23 33 13 16-0185	EA		12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	63.34	5.86
			<i>For Horizontal, Add</i>	6.86	
			<i>For Dynamic Damper, Add</i>	10.28	
			<i>For 3 Hour Rated, Add</i>	9.14	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0186	EA		12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.12	6.61
			<i>For Horizontal, Add</i>	7.09	
			<i>For Dynamic Damper, Add</i>	10.64	
			<i>For 3 Hour Rated, Add</i>	9.46	
23 33 13 16-0187	EA		14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	60.11	5.60
			<i>For Horizontal, Add</i>	6.50	
			<i>For Dynamic Damper, Add</i>	9.76	
			<i>For 3 Hour Rated, Add</i>	8.67	
23 33 13 16-0188	EA		14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	63.34	5.86
			<i>For Horizontal, Add</i>	6.86	
			<i>For Dynamic Damper, Add</i>	10.28	
			<i>For 3 Hour Rated, Add</i>	9.14	
23 33 13 16-0189	EA		14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	65.79	6.17
			<i>For Horizontal, Add</i>	7.09	
			<i>For Dynamic Damper, Add</i>	10.64	
			<i>For 3 Hour Rated, Add</i>	9.46	
23 33 13 16-0190	EA		14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	68.68	6.61
			<i>For Horizontal, Add</i>	7.33	
			<i>For Dynamic Damper, Add</i>	10.99	
			<i>For 3 Hour Rated, Add</i>	9.77	
23 33 13 16-0191	EA		14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.79	7.36
			<i>For Horizontal, Add</i>	7.91	
			<i>For Dynamic Damper, Add</i>	11.87	
			<i>For 3 Hour Rated, Add</i>	10.55	
23 33 13 16-0192	EA		16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	81.47	5.86
			<i>For Horizontal, Add</i>	9.58	
			<i>For Dynamic Damper, Add</i>	14.36	
			<i>For 3 Hour Rated, Add</i>	12.77	
23 33 13 16-0193	EA		16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.55	6.30
			<i>For Horizontal, Add</i>	9.84	
			<i>For Dynamic Damper, Add</i>	14.76	
			<i>For 3 Hour Rated, Add</i>	13.12	
23 33 13 16-0194	EA		16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	88.08	6.92
			<i>For Horizontal, Add</i>	10.10	
			<i>For Dynamic Damper, Add</i>	15.16	
			<i>For 3 Hour Rated, Add</i>	13.47	
23 33 13 16-0195	EA		16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.13	7.36
			<i>For Horizontal, Add</i>	10.37	
			<i>For Dynamic Damper, Add</i>	15.55	
			<i>For 3 Hour Rated, Add</i>	13.82	
23 33 13 16-0196	EA		16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.74	8.07
			<i>For Horizontal, Add</i>	11.03	
			<i>For Dynamic Damper, Add</i>	16.54	
			<i>For 3 Hour Rated, Add</i>	14.70	
23 33 13 16-0197	EA		16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.34	8.82
			<i>For Horizontal, Add</i>	11.68	
			<i>For Dynamic Damper, Add</i>	17.53	
			<i>For 3 Hour Rated, Add</i>	15.58	
23 33 13 16-0198	EA		18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.10	6.17
			<i>For Horizontal, Add</i>	9.84	
			<i>For Dynamic Damper, Add</i>	14.76	
			<i>For 3 Hour Rated, Add</i>	13.12	
23 33 13 16-0199	EA		18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	88.07	6.61
			<i>For Horizontal, Add</i>	10.23	
			<i>For Dynamic Damper, Add</i>	15.35	
			<i>For 3 Hour Rated, Add</i>	13.65	
23 33 13 16-0200	EA		18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.90	7.36
			<i>For Horizontal, Add</i>	10.63	
			<i>For Dynamic Damper, Add</i>	15.95	
			<i>For 3 Hour Rated, Add</i>	14.17	
23 33 13 16-0201	EA		18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	99.49	8.07
			<i>For Horizontal, Add</i>	11.29	
			<i>For Dynamic Damper, Add</i>	16.93	
			<i>For 3 Hour Rated, Add</i>	15.05	
23 33 13 16-0202	EA		18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.21	8.82
			<i>For Horizontal, Add</i>	11.81	
			<i>For Dynamic Damper, Add</i>	17.72	
			<i>For 3 Hour Rated, Add</i>	15.75	
23 33 13 16-0203	EA		18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.80	9.52
			<i>For Horizontal, Add</i>	12.47	
			<i>For Dynamic Damper, Add</i>	18.71	
			<i>For 3 Hour Rated, Add</i>	16.63	
23 33 13 16-0204	EA		18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.63	10.27
			<i>For Horizontal, Add</i>	12.87	
			<i>For Dynamic Damper, Add</i>	19.30	
			<i>For 3 Hour Rated, Add</i>	17.16	
23 33 13 16-0205	EA		20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.20	6.61
			<i>For Horizontal, Add</i>	10.10	
			<i>For Dynamic Damper, Add</i>	15.16	
			<i>For 3 Hour Rated, Add</i>	13.47	
23 33 13 16-0206	EA		20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.88	7.36
			<i>For Horizontal, Add</i>	10.63	
			<i>For Dynamic Damper, Add</i>	15.94	
			<i>For 3 Hour Rated, Add</i>	14.17	
23 33 13 16-0207	EA		20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.61	8.07
			<i>For Horizontal, Add</i>	11.16	
			<i>For Dynamic Damper, Add</i>	16.73	
			<i>For 3 Hour Rated, Add</i>	14.87	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.86		8.82
		<i>For Horizontal, Add</i>	12.21		
		<i>For Dynamic Damper, Add</i>	18.32		
		<i>For 3 Hour Rated, Add</i>	16.28		
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	112.68		9.52
		<i>For Horizontal, Add</i>	12.60		
		<i>For Dynamic Damper, Add</i>	18.91		
		<i>For 3 Hour Rated, Add</i>	16.81		
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.51		10.27
		<i>For Horizontal, Add</i>	13.00		
		<i>For Dynamic Damper, Add</i>	19.50		
		<i>For 3 Hour Rated, Add</i>	17.33		
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.22		11.02
		<i>For Horizontal, Add</i>	13.53		
		<i>For Dynamic Damper, Add</i>	20.29		
		<i>For 3 Hour Rated, Add</i>	18.03		
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	128.92		11.73
		<i>For Horizontal, Add</i>	14.05		
		<i>For Dynamic Damper, Add</i>	21.07		
		<i>For 3 Hour Rated, Add</i>	18.73		
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	109.02		7.36
		<i>For Horizontal, Add</i>	13.05		
		<i>For Dynamic Damper, Add</i>	19.57		
		<i>For 3 Hour Rated, Add</i>	17.40		
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.51		8.07
		<i>For Horizontal, Add</i>	13.84		
		<i>For Dynamic Damper, Add</i>	20.76		
		<i>For 3 Hour Rated, Add</i>	18.45		
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.23		8.82
		<i>For Horizontal, Add</i>	14.37		
		<i>For Dynamic Damper, Add</i>	21.55		
		<i>For 3 Hour Rated, Add</i>	19.16		
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.68		9.52
		<i>For Horizontal, Add</i>	15.15		
		<i>For Dynamic Damper, Add</i>	22.73		
		<i>For 3 Hour Rated, Add</i>	20.21		
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.52		10.27
		<i>For Horizontal, Add</i>	15.55		
		<i>For Dynamic Damper, Add</i>	23.33		
		<i>For 3 Hour Rated, Add</i>	20.73		
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.35		11.02
		<i>For Horizontal, Add</i>	15.95		
		<i>For Dynamic Damper, Add</i>	23.92		
		<i>For 3 Hour Rated, Add</i>	21.26		
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.82		11.73
		<i>For Horizontal, Add</i>	16.73		
		<i>For Dynamic Damper, Add</i>	25.10		
		<i>For 3 Hour Rated, Add</i>	22.31		
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.48		13.22
		<i>For Horizontal, Add</i>	17.52		
		<i>For Dynamic Damper, Add</i>	26.28		
		<i>For 3 Hour Rated, Add</i>	23.36		
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.92		14.67
		<i>For Horizontal, Add</i>	18.58		
		<i>For Dynamic Damper, Add</i>	27.86		
		<i>For 3 Hour Rated, Add</i>	24.77		
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.51		8.07
		<i>For Horizontal, Add</i>	13.84		
		<i>For Dynamic Damper, Add</i>	20.76		
		<i>For 3 Hour Rated, Add</i>	18.45		
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.23		8.82
		<i>For Horizontal, Add</i>	14.37		
		<i>For Dynamic Damper, Add</i>	21.55		
		<i>For 3 Hour Rated, Add</i>	19.16		
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.68		9.52
		<i>For Horizontal, Add</i>	15.15		
		<i>For Dynamic Damper, Add</i>	22.73		
		<i>For 3 Hour Rated, Add</i>	20.21		
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.39		10.27
		<i>For Horizontal, Add</i>	15.68		
		<i>For Dynamic Damper, Add</i>	23.52		
		<i>For 3 Hour Rated, Add</i>	20.91		
23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.98		11.02
		<i>For Horizontal, Add</i>	16.34		
		<i>For Dynamic Damper, Add</i>	24.51		
		<i>For 3 Hour Rated, Add</i>	21.79		
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.56		11.73
		<i>For Horizontal, Add</i>	17.00		
		<i>For Dynamic Damper, Add</i>	25.49		
		<i>For 3 Hour Rated, Add</i>	22.66		
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.23		13.22
		<i>For Horizontal, Add</i>	17.79		
		<i>For Dynamic Damper, Add</i>	26.68		
		<i>For 3 Hour Rated, Add</i>	23.71		
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.92		14.67
		<i>For Horizontal, Add</i>	18.58		
		<i>For Dynamic Damper, Add</i>	27.86		
		<i>For 3 Hour Rated, Add</i>	24.77		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0230	EA		28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.65	15.42
			For Horizontal, Add	20.16	
			For Dynamic Damper, Add	30.23	
			For 3 Hour Rated, Add	26.87	
23 33 13 16-0231	EA		28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.83	16.88
			For Horizontal, Add	21.47	
			For Dynamic Damper, Add	32.21	
			For 3 Hour Rated, Add	28.63	
23 33 13 16-0232	EA		32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.48	8.82
			For Horizontal, Add	15.15	
			For Dynamic Damper, Add	22.73	
			For 3 Hour Rated, Add	20.21	
23 33 13 16-0233	EA		32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.43	9.52
			For Horizontal, Add	15.42	
			For Dynamic Damper, Add	23.13	
			For 3 Hour Rated, Add	20.56	
23 33 13 16-0234	EA		32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.39	10.27
			For Horizontal, Add	15.68	
			For Dynamic Damper, Add	23.52	
			For 3 Hour Rated, Add	20.91	
23 33 13 16-0235	EA		32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.09	11.02
			For Horizontal, Add	16.21	
			For Dynamic Damper, Add	24.31	
			For 3 Hour Rated, Add	21.61	
23 33 13 16-0236	EA		32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.90	11.73
			For Horizontal, Add	17.05	
			For Dynamic Damper, Add	25.57	
			For 3 Hour Rated, Add	22.73	
23 33 13 16-0237	EA		32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.23	13.22
			For Horizontal, Add	17.79	
			For Dynamic Damper, Add	26.68	
			For 3 Hour Rated, Add	23.71	
23 33 13 16-0238	EA		32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.69	14.67
			For Horizontal, Add	18.84	
			For Dynamic Damper, Add	28.26	
			For 3 Hour Rated, Add	25.12	
23 33 13 16-0239	EA		32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.10	16.13
			For Horizontal, Add	19.89	
			For Dynamic Damper, Add	29.84	
			For 3 Hour Rated, Add	26.52	
23 33 13 16-0240	EA		32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.83	16.88
			For Horizontal, Add	21.47	
			For Dynamic Damper, Add	32.21	
			For 3 Hour Rated, Add	28.63	
23 33 13 16-0241	EA		32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.64	18.07
			For Horizontal, Add	23.31	
			For Dynamic Damper, Add	34.97	
			For 3 Hour Rated, Add	31.09	
23 33 13 16-0242	EA		32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.75	19.09
			For Horizontal, Add	25.42	
			For Dynamic Damper, Add	38.13	
			For 3 Hour Rated, Add	33.89	
23 33 13 16-0243	EA		36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.97	9.52
			For Horizontal, Add	17.30	
			For Dynamic Damper, Add	25.95	
			For 3 Hour Rated, Add	23.06	
23 33 13 16-0244	EA		36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.17	10.27
			For Horizontal, Add	17.90	
			For Dynamic Damper, Add	26.85	
			For 3 Hour Rated, Add	23.86	
23 33 13 16-0245	EA		36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.38	11.02
			For Horizontal, Add	18.50	
			For Dynamic Damper, Add	27.75	
			For 3 Hour Rated, Add	24.67	
23 33 13 16-0246	EA		36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.62	11.73
			For Horizontal, Add	19.40	
			For Dynamic Damper, Add	29.11	
			For 3 Hour Rated, Add	25.87	
23 33 13 16-0247	EA		36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.03	13.22
			For Horizontal, Add	19.86	
			For Dynamic Damper, Add	29.78	
			For 3 Hour Rated, Add	26.47	
23 33 13 16-0248	EA		36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.25	13.92
			For Horizontal, Add	20.31	
			For Dynamic Damper, Add	30.46	
			For 3 Hour Rated, Add	27.08	
23 33 13 16-0249	EA		36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.89	16.13
			For Horizontal, Add	21.81	
			For Dynamic Damper, Add	32.72	
			For 3 Hour Rated, Add	29.08	
23 33 13 16-0250	EA		36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.31	17.63
			For Horizontal, Add	23.31	
			For Dynamic Damper, Add	34.97	
			For 3 Hour Rated, Add	31.08	
23 33 13 16-0251	EA		36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.11	18.21
			For Horizontal, Add	25.12	
			For Dynamic Damper, Add	37.68	
			For 3 Hour Rated, Add	33.49	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0252	EA		36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.12	19.52
			<i>For Horizontal, Add</i>	27.53	
			<i>For Dynamic Damper, Add</i>	41.29	
			<i>For 3 Hour Rated, Add</i>	36.70	
23 33 13 16-0253	EA		36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.24	20.54
			<i>For Horizontal, Add</i>	29.63	
			<i>For Dynamic Damper, Add</i>	44.44	
			<i>For 3 Hour Rated, Add</i>	39.51	
23 33 13 16-0254	EA		36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.48	21.28
			<i>For Horizontal, Add</i>	32.04	
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 16-0255	EA		40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.54	11.02
			<i>For Horizontal, Add</i>	19.75	
			<i>For Dynamic Damper, Add</i>	29.63	
			<i>For 3 Hour Rated, Add</i>	26.34	
23 33 13 16-0256	EA		40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.77	11.73
			<i>For Horizontal, Add</i>	20.96	
			<i>For Dynamic Damper, Add</i>	31.44	
			<i>For 3 Hour Rated, Add</i>	27.94	
23 33 13 16-0257	EA		40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.98	12.48
			<i>For Horizontal, Add</i>	21.26	
			<i>For Dynamic Damper, Add</i>	31.89	
			<i>For 3 Hour Rated, Add</i>	28.34	
23 33 13 16-0258	EA		40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.20	13.22
			<i>For Horizontal, Add</i>	21.56	
			<i>For Dynamic Damper, Add</i>	32.34	
			<i>For 3 Hour Rated, Add</i>	28.75	
23 33 13 16-0259	EA		40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.63	13.92
			<i>For Horizontal, Add</i>	22.61	
			<i>For Dynamic Damper, Add</i>	33.92	
			<i>For 3 Hour Rated, Add</i>	30.15	
23 33 13 16-0260	EA		40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.85	14.67
			<i>For Horizontal, Add</i>	23.67	
			<i>For Dynamic Damper, Add</i>	35.50	
			<i>For 3 Hour Rated, Add</i>	31.55	
23 33 13 16-0261	EA		40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.47	16.88
			<i>For Horizontal, Add</i>	24.87	
			<i>For Dynamic Damper, Add</i>	37.30	
			<i>For 3 Hour Rated, Add</i>	33.16	
23 33 13 16-0262	EA		40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.92	18.34
			<i>For Horizontal, Add</i>	26.07	
			<i>For Dynamic Damper, Add</i>	39.11	
			<i>For 3 Hour Rated, Add</i>	34.76	
23 33 13 16-0263	EA		40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.47	19.52
			<i>For Horizontal, Add</i>	27.88	
			<i>For Dynamic Damper, Add</i>	41.82	
			<i>For 3 Hour Rated, Add</i>	37.17	
23 33 13 16-0264	EA		40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.62	20.54
			<i>For Horizontal, Add</i>	31.19	
			<i>For Dynamic Damper, Add</i>	46.78	
			<i>For 3 Hour Rated, Add</i>	41.58	
23 33 13 16-0265	EA		40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.15	21.73
			<i>For Horizontal, Add</i>	32.99	
			<i>For Dynamic Damper, Add</i>	49.48	
			<i>For 3 Hour Rated, Add</i>	43.98	
23 33 13 16-0266	EA		40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.99	22.30
			<i>For Horizontal, Add</i>	36.30	
			<i>For Dynamic Damper, Add</i>	54.45	
			<i>For 3 Hour Rated, Add</i>	48.40	
23 33 13 16-0267	EA		40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.57	23.49
			<i>For Horizontal, Add</i>	39.31	
			<i>For Dynamic Damper, Add</i>	58.96	
			<i>For 3 Hour Rated, Add</i>	52.41	
23 33 13 16-0268	EA		44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.76	11.02
			<i>For Horizontal, Add</i>	20.36	
			<i>For Dynamic Damper, Add</i>	30.53	
			<i>For 3 Hour Rated, Add</i>	27.14	
23 33 13 16-0269	EA		44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.99	11.73
			<i>For Horizontal, Add</i>	21.56	
			<i>For Dynamic Damper, Add</i>	32.34	
			<i>For 3 Hour Rated, Add</i>	28.75	
23 33 13 16-0270	EA		44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.23	12.48
			<i>For Horizontal, Add</i>	22.46	
			<i>For Dynamic Damper, Add</i>	33.70	
			<i>For 3 Hour Rated, Add</i>	29.95	
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.42	13.22
			<i>For Horizontal, Add</i>	22.76	
			<i>For Dynamic Damper, Add</i>	34.15	
			<i>For 3 Hour Rated, Add</i>	30.35	
23 33 13 16-0272	EA		44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.65	13.92
			<i>For Horizontal, Add</i>	23.97	
			<i>For Dynamic Damper, Add</i>	35.95	
			<i>For 3 Hour Rated, Add</i>	31.96	
23 33 13 16-0273	EA		44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.89	14.67
			<i>For Horizontal, Add</i>	25.17	
			<i>For Dynamic Damper, Add</i>	37.76	
			<i>For 3 Hour Rated, Add</i>	33.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0274	EA		44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.72	17.63
			For Horizontal, Add	26.67	
			For Dynamic Damper, Add	40.01	
			For 3 Hour Rated, Add	35.57	
23 33 13 16-0275	EA		44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.14	19.09
			For Horizontal, Add	28.18	
			For Dynamic Damper, Add	42.27	
			For 3 Hour Rated, Add	37.57	
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.62	20.54
			For Horizontal, Add	31.19	
			For Dynamic Damper, Add	46.78	
			For 3 Hour Rated, Add	41.58	
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.06	22.03
			For Horizontal, Add	33.89	
			For Dynamic Damper, Add	50.84	
			For 3 Hour Rated, Add	45.19	
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.51	23.49
			For Horizontal, Add	36.90	
			For Dynamic Damper, Add	55.35	
			For 3 Hour Rated, Add	49.20	
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.76	24.20
			For Horizontal, Add	39.61	
			For Dynamic Damper, Add	59.41	
			For 3 Hour Rated, Add	52.81	
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.02	24.95
			For Horizontal, Add	42.32	
			For Dynamic Damper, Add	63.47	
			For 3 Hour Rated, Add	56.42	
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.28	25.70
			For Horizontal, Add	45.02	
			For Dynamic Damper, Add	67.53	
			For 3 Hour Rated, Add	60.03	
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.98	11.73
			For Horizontal, Add	21.26	
			For Dynamic Damper, Add	31.89	
			For 3 Hour Rated, Add	28.34	
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.23	12.48
			For Horizontal, Add	22.46	
			For Dynamic Damper, Add	33.70	
			For 3 Hour Rated, Add	29.95	
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.42	13.22
			For Horizontal, Add	22.76	
			For Dynamic Damper, Add	34.15	
			For 3 Hour Rated, Add	30.35	
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.85	14.67
			For Horizontal, Add	23.67	
			For Dynamic Damper, Add	35.50	
			For 3 Hour Rated, Add	31.55	
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.27	16.13
			For Horizontal, Add	24.87	
			For Dynamic Damper, Add	37.30	
			For 3 Hour Rated, Add	33.16	
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.71	17.63
			For Horizontal, Add	26.07	
			For Dynamic Damper, Add	39.11	
			For 3 Hour Rated, Add	34.76	
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.14	19.09
			For Horizontal, Add	27.88	
			For Dynamic Damper, Add	41.82	
			For 3 Hour Rated, Add	37.17	
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.58	20.54
			For Horizontal, Add	29.68	
			For Dynamic Damper, Add	44.52	
			For 3 Hour Rated, Add	39.57	
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.04	22.03
			For Horizontal, Add	32.39	
			For Dynamic Damper, Add	48.58	
			For 3 Hour Rated, Add	43.19	
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.49	23.49
			For Horizontal, Add	35.70	
			For Dynamic Damper, Add	53.54	
			For 3 Hour Rated, Add	47.59	
23 33 13 16-0292	EA		48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	328.76	24.20
			For Horizontal, Add	38.41	
			For Dynamic Damper, Add	57.61	
			For 3 Hour Rated, Add	51.21	
23 33 13 16-0293	EA		48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.00	24.95
			For Horizontal, Add	42.01	
			For Dynamic Damper, Add	63.02	
			For 3 Hour Rated, Add	56.02	
23 33 13 16-0294	EA		48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.49	26.40
			For Horizontal, Add	44.72	
			For Dynamic Damper, Add	67.08	
			For 3 Hour Rated, Add	59.63	
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.73	27.15
			For Horizontal, Add	48.33	
			For Dynamic Damper, Add	72.50	
			For 3 Hour Rated, Add	64.44	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0296	EA		48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	426.40	29.36
			<i>For Horizontal, Add</i>	50.74	
			<i>For Dynamic Damper, Add</i>	76.11	
			<i>For 3 Hour Rated, Add</i>	67.65	
23 33 13 16-0297	EA		52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.22	12.48
			<i>For Horizontal, Add</i>	22.16	
			<i>For Dynamic Damper, Add</i>	33.24	
			<i>For 3 Hour Rated, Add</i>	29.55	
23 33 13 16-0298	EA		52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.43	13.22
			<i>For Horizontal, Add</i>	23.37	
			<i>For Dynamic Damper, Add</i>	35.05	
			<i>For 3 Hour Rated, Add</i>	31.15	
23 33 13 16-0299	EA		52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.87	14.67
			<i>For Horizontal, Add</i>	24.57	
			<i>For Dynamic Damper, Add</i>	36.85	
			<i>For 3 Hour Rated, Add</i>	32.76	
23 33 13 16-0300	EA		52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.27	16.13
			<i>For Horizontal, Add</i>	24.87	
			<i>For Dynamic Damper, Add</i>	37.30	
			<i>For 3 Hour Rated, Add</i>	33.16	
23 33 13 16-0301	EA		52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.72	17.63
			<i>For Horizontal, Add</i>	26.22	
			<i>For Dynamic Damper, Add</i>	39.34	
			<i>For 3 Hour Rated, Add</i>	34.97	
23 33 13 16-0302	EA		52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.13	19.09
			<i>For Horizontal, Add</i>	27.58	
			<i>For Dynamic Damper, Add</i>	41.36	
			<i>For 3 Hour Rated, Add</i>	36.77	
23 33 13 16-0303	EA		52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.59	20.54
			<i>For Horizontal, Add</i>	29.38	
			<i>For Dynamic Damper, Add</i>	44.07	
			<i>For 3 Hour Rated, Add</i>	39.18	
23 33 13 16-0304	EA		52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.02	22.03
			<i>For Horizontal, Add</i>	31.19	
			<i>For Dynamic Damper, Add</i>	46.78	
			<i>For 3 Hour Rated, Add</i>	41.58	
23 33 13 16-0305	EA		52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.47	23.49
			<i>For Horizontal, Add</i>	33.89	
			<i>For Dynamic Damper, Add</i>	50.84	
			<i>For 3 Hour Rated, Add</i>	45.19	
23 33 13 16-0306	EA		52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	324.93	24.95
			<i>For Horizontal, Add</i>	37.50	
			<i>For Dynamic Damper, Add</i>	56.25	
			<i>For 3 Hour Rated, Add</i>	50.00	
23 33 13 16-0307	EA		52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	347.19	25.70
			<i>For Horizontal, Add</i>	40.51	
			<i>For Dynamic Damper, Add</i>	60.76	
			<i>For 3 Hour Rated, Add</i>	54.01	
23 33 13 16-0308	EA		52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.48	26.40
			<i>For Horizontal, Add</i>	44.42	
			<i>For Dynamic Damper, Add</i>	66.63	
			<i>For 3 Hour Rated, Add</i>	59.23	
23 33 13 16-0309	EA		52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.92	27.90
			<i>For Horizontal, Add</i>	48.03	
			<i>For Dynamic Damper, Add</i>	72.04	
			<i>For 3 Hour Rated, Add</i>	64.04	
23 33 13 16-0310	EA		52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	426.40	29.36
			<i>For Horizontal, Add</i>	50.74	
			<i>For Dynamic Damper, Add</i>	76.11	
			<i>For 3 Hour Rated, Add</i>	67.65	
23 33 13 16-0311	EA		52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.06	31.55
			<i>For Horizontal, Add</i>	54.35	
			<i>For Dynamic Damper, Add</i>	81.52	
			<i>For 3 Hour Rated, Add</i>	72.46	
23 33 13 16-0312	EA		52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.52	33.01
			<i>For Horizontal, Add</i>	57.35	
			<i>For Dynamic Damper, Add</i>	86.03	
			<i>For 3 Hour Rated, Add</i>	76.47	
23 33 13 16-0313	EA		56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.42	13.22
			<i>For Horizontal, Add</i>	22.76	
			<i>For Dynamic Damper, Add</i>	34.15	
			<i>For 3 Hour Rated, Add</i>	30.35	
23 33 13 16-0314	EA		56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.86	14.67
			<i>For Horizontal, Add</i>	24.27	
			<i>For Dynamic Damper, Add</i>	36.40	
			<i>For 3 Hour Rated, Add</i>	32.36	
23 33 13 16-0315	EA		56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.29	16.13
			<i>For Horizontal, Add</i>	25.17	
			<i>For Dynamic Damper, Add</i>	37.76	
			<i>For 3 Hour Rated, Add</i>	33.56	
23 33 13 16-0316	EA		56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.69	17.63
			<i>For Horizontal, Add</i>	25.47	
			<i>For Dynamic Damper, Add</i>	38.21	
			<i>For 3 Hour Rated, Add</i>	33.96	
23 33 13 16-0317	EA		56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.13	19.09
			<i>For Horizontal, Add</i>	27.13	
			<i>For Dynamic Damper, Add</i>	40.69	
			<i>For 3 Hour Rated, Add</i>	36.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	253.57	20.54
			<i>For Horizontal, Add</i>	28.78	
			<i>For Dynamic Damper, Add</i>	43.17	
			<i>For 3 Hour Rated, Add</i>	38.37	
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	269.00	22.03
			<i>For Horizontal, Add</i>	30.43	
			<i>For Dynamic Damper, Add</i>	45.65	
			<i>For 3 Hour Rated, Add</i>	40.58	
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.43	23.49
			<i>For Horizontal, Add</i>	32.09	
			<i>For Dynamic Damper, Add</i>	48.13	
			<i>For 3 Hour Rated, Add</i>	42.78	
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	312.89	24.95
			<i>For Horizontal, Add</i>	35.70	
			<i>For Dynamic Damper, Add</i>	53.54	
			<i>For 3 Hour Rated, Add</i>	47.59	
23 33 13 16-0322	EA		56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	339.18	25.70
			<i>For Horizontal, Add</i>	39.31	
			<i>For Dynamic Damper, Add</i>	58.96	
			<i>For 3 Hour Rated, Add</i>	52.41	
23 33 13 16-0323	EA		56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	363.44	26.40
			<i>For Horizontal, Add</i>	42.62	
			<i>For Dynamic Damper, Add</i>	63.92	
			<i>For 3 Hour Rated, Add</i>	56.82	
23 33 13 16-0324	EA		56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	395.92	27.90
			<i>For Horizontal, Add</i>	46.83	
			<i>For Dynamic Damper, Add</i>	70.24	
			<i>For 3 Hour Rated, Add</i>	62.44	
23 33 13 16-0325	EA		56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	424.39	29.36
			<i>For Horizontal, Add</i>	50.44	
			<i>For Dynamic Damper, Add</i>	75.65	
			<i>For 3 Hour Rated, Add</i>	67.25	
23 33 13 16-0326	EA		56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	454.85	30.80
			<i>For Horizontal, Add</i>	54.35	
			<i>For Dynamic Damper, Add</i>	81.52	
			<i>For 3 Hour Rated, Add</i>	72.46	
23 33 13 16-0327	EA		56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	479.33	32.30
			<i>For Horizontal, Add</i>	57.35	
			<i>For Dynamic Damper, Add</i>	86.03	
			<i>For 3 Hour Rated, Add</i>	76.47	
23 33 13 16-0328	EA		56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	509.80	33.76
			<i>For Horizontal, Add</i>	61.26	
			<i>For Dynamic Damper, Add</i>	91.90	
			<i>For 3 Hour Rated, Add</i>	81.69	
23 33 13 16-0329	EA		56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	540.28	35.22
			<i>For Horizontal, Add</i>	65.18	
			<i>For Dynamic Damper, Add</i>	97.76	
			<i>For 3 Hour Rated, Add</i>	86.90	
23 33 13 16-0330	EA		60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.85	14.67
			<i>For Horizontal, Add</i>	23.67	
			<i>For Dynamic Damper, Add</i>	35.50	
			<i>For 3 Hour Rated, Add</i>	31.55	
23 33 13 16-0331	EA		60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	216.29	16.13
			<i>For Horizontal, Add</i>	25.17	
			<i>For Dynamic Damper, Add</i>	37.76	
			<i>For 3 Hour Rated, Add</i>	33.56	
23 33 13 16-0332	EA		60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	224.69	17.63
			<i>For Horizontal, Add</i>	25.77	
			<i>For Dynamic Damper, Add</i>	38.66	
			<i>For 3 Hour Rated, Add</i>	34.36	
23 33 13 16-0333	EA		60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.11	19.09
			<i>For Horizontal, Add</i>	26.07	
			<i>For Dynamic Damper, Add</i>	39.11	
			<i>For 3 Hour Rated, Add</i>	34.76	
23 33 13 16-0334	EA		60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	247.56	20.54
			<i>For Horizontal, Add</i>	27.88	
			<i>For Dynamic Damper, Add</i>	41.82	
			<i>For 3 Hour Rated, Add</i>	37.17	
23 33 13 16-0335	EA		60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	263.98	22.03
			<i>For Horizontal, Add</i>	29.68	
			<i>For Dynamic Damper, Add</i>	44.52	
			<i>For 3 Hour Rated, Add</i>	39.57	
23 33 13 16-0336	EA		60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	281.43	23.49
			<i>For Horizontal, Add</i>	31.64	
			<i>For Dynamic Damper, Add</i>	47.45	
			<i>For 3 Hour Rated, Add</i>	42.18	
23 33 13 16-0337	EA		60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	298.86	24.95
			<i>For Horizontal, Add</i>	33.59	
			<i>For Dynamic Damper, Add</i>	50.39	
			<i>For 3 Hour Rated, Add</i>	44.79	
23 33 13 16-0338	EA		60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	327.14	25.70
			<i>For Horizontal, Add</i>	37.50	
			<i>For Dynamic Damper, Add</i>	56.25	
			<i>For 3 Hour Rated, Add</i>	50.00	
23 33 13 16-0339	EA		60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	353.41	26.40
			<i>For Horizontal, Add</i>	41.11	
			<i>For Dynamic Damper, Add</i>	61.67	
			<i>For 3 Hour Rated, Add</i>	54.81	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0340	EA		60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.89	27.90
			<i>For Horizontal, Add</i>	45.02	
			<i>For Dynamic Damper, Add</i>	67.53	
			<i>For 3 Hour Rated, Add</i>	60.03	
23 33 13 16-0341	EA		60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.37	29.36
			<i>For Horizontal, Add</i>	48.93	
			<i>For Dynamic Damper, Add</i>	73.40	
			<i>For 3 Hour Rated, Add</i>	65.24	
23 33 13 16-0342	EA		60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	438.82	30.80
			<i>For Horizontal, Add</i>	51.94	
			<i>For Dynamic Damper, Add</i>	77.91	
			<i>For 3 Hour Rated, Add</i>	69.25	
23 33 13 16-0343	EA		60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	475.32	32.30
			<i>For Horizontal, Add</i>	56.75	
			<i>For Dynamic Damper, Add</i>	85.13	
			<i>For 3 Hour Rated, Add</i>	75.67	
23 33 13 16-0344	EA		60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.79	33.76
			<i>For Horizontal, Add</i>	60.96	
			<i>For Dynamic Damper, Add</i>	91.44	
			<i>For 3 Hour Rated, Add</i>	81.28	
23 33 13 16-0345	EA		60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.28	35.22
			<i>For Horizontal, Add</i>	65.18	
			<i>For Dynamic Damper, Add</i>	97.76	
			<i>For 3 Hour Rated, Add</i>	86.90	
23 33 13 16-0346	EA		60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.74	36.72
			<i>For Horizontal, Add</i>	68.78	
			<i>For Dynamic Damper, Add</i>	103.17	
			<i>For 3 Hour Rated, Add</i>	91.71	
23 33 13 16-0347	EA		60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	597.23	38.16
			<i>For Horizontal, Add</i>	72.39	
			<i>For Dynamic Damper, Add</i>	108.59	
			<i>For 3 Hour Rated, Add</i>	96.53	
23 33 13 16-0348 Round 2 Hour Fire Damper (23 33 13 16)					
23 33 13 16-0349	EA		4" Round 2 Hour Fire Damper	34.70	8.82
23 33 13 16-0350	EA		5" Round 2 Hour Fire Damper	35.92	8.82
23 33 13 16-0351	EA		6" Round 2 Hour Fire Damper	41.99	10.00
23 33 13 16-0352	EA		7" Round 2 Hour Fire Damper	43.31	10.00
23 33 13 16-0353	EA		8" Round 2 Hour Fire Damper	51.30	11.02
23 33 13 16-0354	EA		9" Round 2 Hour Fire Damper	54.95	11.02
23 33 13 16-0355	EA		10" Round 2 Hour Fire Damper	61.07	12.25
23 33 13 16-0356	EA		12" Round 2 Hour Fire Damper	68.61	13.79
23 33 13 16-0357	EA		14" Round 2 Hour Fire Damper	78.05	15.74
23 33 13 16-0358 Round 4 Hour Fire Damper (23 33 13 16)					
23 33 13 16-0359	EA		4" Round 4 Hour Fire Damper	39.15	10.00
23 33 13 16-0360	EA		5" Round 4 Hour Fire Damper	42.47	10.00
23 33 13 16-0361	EA		6" Round 4 Hour Fire Damper	47.85	11.02
23 33 13 16-0362	EA		7" Round 4 Hour Fire Damper	52.15	11.02
23 33 13 16-0363	EA		8" Round 4 Hour Fire Damper	58.90	12.25
23 33 13 16-0364	EA		9" Round 4 Hour Fire Damper	61.52	12.25
23 33 13 16-0365	EA		10" Round 4 Hour Fire Damper	68.69	13.79
23 33 13 16-0366	EA		12" Round 4 Hour Fire Damper	76.38	15.74
23 33 13 16-0367	EA		14" Round 4 Hour Fire Damper	89.12	18.38
23 33 13 19 Smoke-Control Dampers (23 33 13)					
23 33 13 19-0001 Combination Smoke/Fire Damper (23 33 13 19)					
Note: Leakage class I with Firestat UL 555S air foil blades.					
23 33 13 19-0002	EA		6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.53	7.34
			<i>For 3 Hour Rated, Add</i>	11.70	
23 33 13 19-0003	EA		8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.96	7.67
			<i>For 3 Hour Rated, Add</i>	11.99	
23 33 13 19-0004	EA		8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	84.54	7.74
			<i>For 3 Hour Rated, Add</i>	12.28	
23 33 13 19-0005	EA		10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	84.54	7.74
			<i>For 3 Hour Rated, Add</i>	12.28	
23 33 13 19-0006	EA		10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.63	7.93
			<i>For 3 Hour Rated, Add</i>	12.57	
23 33 13 19-0007	EA		10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.17	8.79
			<i>For 3 Hour Rated, Add</i>	13.14	
23 33 13 19-0008	EA		12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.63	7.93
			<i>For 3 Hour Rated, Add</i>	12.57	
23 33 13 19-0009	EA		12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.84	8.39
			<i>For 3 Hour Rated, Add</i>	13.14	
23 33 13 19-0010	EA		12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	93.61	8.79
			<i>For 3 Hour Rated, Add</i>	13.43	
23 33 13 19-0011	EA		12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.35	9.91
			<i>For 3 Hour Rated, Add</i>	13.72	
23 33 13 19-0012	EA		14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.12	8.39
			<i>For 3 Hour Rated, Add</i>	13.00	
23 33 13 19-0013	EA		14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	93.61	8.79
			<i>For 3 Hour Rated, Add</i>	13.43	
23 33 13 19-0014	EA		14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.37	9.26
			<i>For 3 Hour Rated, Add</i>	13.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0015 EA 14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	99.80 14.01	9.91
23 33 13 19-0016 EA 14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	106.70 14.73	11.04
23 33 13 19-0017 EA 16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	146.32 23.97	8.79
23 33 13 19-0018 EA 16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	149.73 24.26	9.46
23 33 13 19-0019 EA 16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	153.84 24.55	10.38
23 33 13 19-0020 EA 16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	157.24 24.84	11.04
23 33 13 19-0021 EA 16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	164.16 25.56	12.10
23 33 13 19-0022 EA 16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	171.07 26.28	13.22
23 33 13 19-0023 EA 18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	149.08 24.26	9.26
23 33 13 19-0024 EA 18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	153.22 24.69	9.91
23 33 13 19-0025 EA 18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	158.70 25.13	11.04
23 33 13 19-0026 EA 18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	165.61 25.85	12.10
23 33 13 19-0027 EA 18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	171.78 26.42	13.22
23 33 13 19-0028 EA 18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	178.70 27.15	14.28
23 33 13 19-0029 EA 18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	184.17 27.58	15.40
23 33 13 19-0030 EA 20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	152.51 24.55	9.91
23 33 13 19-0031 EA 20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	158.69 25.13	11.04
23 33 13 19-0032 EA 20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	164.88 25.70	12.10
23 33 13 19-0033 EA 20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	173.96 26.86	13.22
23 33 13 19-0034 EA 20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	179.43 27.29	14.28
23 33 13 19-0035 EA 20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	184.89 27.72	15.40
23 33 13 19-0036 EA 20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	191.09 28.30	16.53
23 33 13 19-0037 EA 20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	197.26 28.87	17.59
23 33 13 19-0038 EA 24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	217.63 36.92	11.04
23 33 13 19-0039 EA 24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	225.27 37.78	12.10
23 33 13 19-0040 EA 24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	231.46 38.36	13.22
23 33 13 19-0041 EA 24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	239.09 39.22	14.28
23 33 13 19-0042 EA 24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	244.56 39.66	15.40
23 33 13 19-0043 EA 24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	250.03 40.09	16.53
23 33 13 19-0044 EA 24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	257.65 40.95	17.59
23 33 13 19-0045 EA 24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	268.58 41.82	19.84
23 33 13 19-0046 EA 24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	280.96 42.97	22.01
23 33 13 19-0047 EA 28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	225.27 37.78	12.10
23 33 13 19-0048 EA 28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	231.46 38.36	13.22
23 33 13 19-0049 EA 28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	239.09 39.22	14.28
23 33 13 19-0050 EA 28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	245.28 39.80	15.40
23 33 13 19-0051 EA 28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	252.20 40.52	16.53
23 33 13 19-0052 EA 28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	259.09 41.24	17.59
23 33 13 19-0053 EA 28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	270.02 42.10	19.84
23 33 13 19-0054 EA 28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	280.96 42.97	22.01
23 33 13 19-0055 EA 28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	292.91 44.70	23.14
23 33 13 19-0056 EA 28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	306.74 46.14	25.33
23 33 13 19-0057 EA 32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	235.78 39.22	13.22
23 33 13 19-0058 EA 32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	240.53 39.51	14.28

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0059	EA		32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	245.28	15.40
			<i>For 3 Hour Rated, Add</i>	39.80	
23 33 13 19-0060	EA		32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	251.47	16.53
			<i>For 3 Hour Rated, Add</i>	40.38	
23 33 13 19-0061	EA		32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.36	17.59
			<i>For 3 Hour Rated, Add</i>	41.29	
23 33 13 19-0062	EA		32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	270.02	19.84
			<i>For 3 Hour Rated, Add</i>	42.10	
23 33 13 19-0063	EA		32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	282.41	22.01
			<i>For 3 Hour Rated, Add</i>	43.26	
23 33 13 19-0064	EA		32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	294.79	24.20
			<i>For 3 Hour Rated, Add</i>	44.41	
23 33 13 19-0065	EA		32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	306.74	25.33
			<i>For 3 Hour Rated, Add</i>	46.14	
23 33 13 19-0066	EA		32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	322.13	27.11
			<i>For 3 Hour Rated, Add</i>	48.16	
23 33 13 19-0067	EA		32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	338.28	28.63
			<i>For 3 Hour Rated, Add</i>	50.47	
23 33 13 19-0068	EA		36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	247.92	14.28
			<i>For 3 Hour Rated, Add</i>	40.99	
23 33 13 19-0069	EA		36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	254.36	15.40
			<i>For 3 Hour Rated, Add</i>	41.62	
23 33 13 19-0070	EA		36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.80	16.53
			<i>For 3 Hour Rated, Add</i>	42.24	
23 33 13 19-0071	EA		36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	268.81	17.59
			<i>For 3 Hour Rated, Add</i>	43.18	
23 33 13 19-0072	EA		36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	277.78	19.84
			<i>For 3 Hour Rated, Add</i>	43.66	
23 33 13 19-0073	EA		36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	283.42	20.89
			<i>For 3 Hour Rated, Add</i>	44.12	
23 33 13 19-0074	EA		36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	301.18	24.20
			<i>For 3 Hour Rated, Add</i>	45.69	
23 33 13 19-0075	EA		36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	315.62	26.45
			<i>For 3 Hour Rated, Add</i>	47.26	
23 33 13 19-0076	EA		36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	327.67	27.30
			<i>For 3 Hour Rated, Add</i>	49.14	
23 33 13 19-0077	EA		36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	346.14	29.28
			<i>For 3 Hour Rated, Add</i>	51.64	
23 33 13 19-0078	EA		36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	361.73	30.80
			<i>For 3 Hour Rated, Add</i>	53.84	
23 33 13 19-0079	EA		36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	377.57	31.93
			<i>For 3 Hour Rated, Add</i>	56.34	
23 33 13 19-0080	EA		40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	305.51	16.53
			<i>For 3 Hour Rated, Add</i>	51.85	
23 33 13 19-0081	EA		40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	315.08	17.59
			<i>For 3 Hour Rated, Add</i>	53.10	
23 33 13 19-0082	EA		40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	319.95	18.71
			<i>For 3 Hour Rated, Add</i>	53.41	
23 33 13 19-0083	EA		40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	324.83	19.84
			<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0084	EA		40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	336.91	20.89
			<i>For 3 Hour Rated, Add</i>	54.82	
23 33 13 19-0085	EA		40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	345.71	22.01
			<i>For 3 Hour Rated, Add</i>	55.92	
23 33 13 19-0086	EA		40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	361.90	25.33
			<i>For 3 Hour Rated, Add</i>	57.17	
23 33 13 19-0087	EA		40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	374.77	27.50
			<i>For 3 Hour Rated, Add</i>	58.43	
23 33 13 19-0088	EA		40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	389.46	29.28
			<i>For 3 Hour Rated, Add</i>	60.31	
23 33 13 19-0089	EA		40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	411.31	30.80
			<i>For 3 Hour Rated, Add</i>	63.75	
23 33 13 19-0090	EA		40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	426.01	32.60
			<i>For 3 Hour Rated, Add</i>	65.63	
23 33 13 19-0091	EA		40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	445.89	33.46
			<i>For 3 Hour Rated, Add</i>	69.08	
23 33 13 19-0092	EA		40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	466.85	35.24
			<i>For 3 Hour Rated, Add</i>	72.21	
23 33 13 19-0093	EA		44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	311.95	16.53
			<i>For 3 Hour Rated, Add</i>	52.47	
23 33 13 19-0094	EA		44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	321.52	17.59
			<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0095	EA		44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	329.54	18.71
			<i>For 3 Hour Rated, Add</i>	54.67	
23 33 13 19-0096	EA		44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	334.41	19.84
			<i>For 3 Hour Rated, Add</i>	54.98	
23 33 13 19-0097	EA		44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	343.98	20.89
			<i>For 3 Hour Rated, Add</i>	56.24	
23 33 13 19-0098	EA		44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	353.54	22.01
			<i>For 3 Hour Rated, Add</i>	57.49	
23 33 13 19-0099	EA		44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	374.61	26.45
			<i>For 3 Hour Rated, Add</i>	59.05	
23 33 13 19-0100	EA		44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	389.04	28.63
			<i>For 3 Hour Rated, Add</i>	60.62	
23 33 13 19-0101	EA		44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	411.31	30.80
			<i>For 3 Hour Rated, Add</i>	63.75	
23 33 13 19-0102	EA		44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	432.02	33.05
			<i>For 3 Hour Rated, Add</i>	66.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0103	EA		44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	454.30 69.70	35.24
23 33 13 19-0104	EA		44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	471.71 72.52	36.29
23 33 13 19-0105	EA		44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	489.12 75.35	37.42
23 33 13 19-0106	EA		44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	506.54 78.17	38.54
23 33 13 19-0107	EA		48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	319.95 53.41	17.59
23 33 13 19-0108	EA		48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	329.54 54.67	18.71
23 33 13 19-0109	EA		48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	334.41 54.98	19.84
23 33 13 19-0110	EA		48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	345.71 55.92	22.01
23 33 13 19-0111	EA		48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	358.59 57.17	24.20
23 33 13 19-0112	EA		48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	371.47 58.43	26.45
23 33 13 19-0113	EA		48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	387.49 60.31	28.63
23 33 13 19-0114	EA		48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	403.48 62.19	30.80
23 33 13 19-0115	EA		48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	424.19 65.01	33.05
23 33 13 19-0116	EA		48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	448.03 68.45	35.24
23 33 13 19-0117	EA		48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	465.46 71.27	36.29
23 33 13 19-0118	EA		48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	487.55 75.03	37.42
23 33 13 19-0119	EA		48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	508.26 77.85	39.60
23 33 13 19-0120	EA		48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	530.37 81.61	40.73
23 33 13 19-0121	EA		48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	552.82 84.12	44.03
23 33 13 19-0122	EA		52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	327.96 54.35	18.71
23 33 13 19-0123	EA		52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	337.53 55.61	19.84
23 33 13 19-0124	EA		52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	350.41 56.86	22.01
23 33 13 19-0125	EA		52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	358.59 57.17	24.20
23 33 13 19-0126	EA		52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	372.27 58.59	26.45
23 33 13 19-0127	EA		52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	385.92 59.99	28.63
23 33 13 19-0128	EA		52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	401.92 61.87	30.80
23 33 13 19-0129	EA		52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	417.92 63.75	33.05
23 33 13 19-0130	EA		52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	438.64 66.57	35.24
23 33 13 19-0131	EA		52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	464.06 70.33	37.42
23 33 13 19-0132	EA		52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	483.02 73.46	38.54
23 33 13 19-0133	EA		52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	506.70 77.54	39.60
23 33 13 19-0134	EA		52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	532.10 81.30	41.85
23 33 13 19-0135	EA		52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	552.82 84.12	44.03
23 33 13 19-0136	EA		52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	581.53 87.88	47.34
23 33 13 19-0137	EA		52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	603.81 91.01	49.52
23 33 13 19-0138	EA		56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	334.41 54.98	19.84
23 33 13 19-0139	EA		56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	348.84 56.55	22.01
23 33 13 19-0140	EA		56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	360.15 57.49	24.20
23 33 13 19-0141	EA		56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	368.34 57.80	26.45
23 33 13 19-0142	EA		56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	383.57 59.52	28.63
23 33 13 19-0143	EA		56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	398.79 61.25	30.80
23 33 13 19-0144	EA		56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	414.00 62.97	33.05
23 33 13 19-0145	EA		56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	429.24 64.69	35.24
23 33 13 19-0146	EA		56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	454.64 68.45	37.42

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR		TOTAL DIRECT		DEMOLITION		
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT	COST
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	476.77		38.54	
		<i>For 3 Hour Rated, Add</i>	72.21			
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.29		39.60	
		<i>For 3 Hour Rated, Add</i>	75.66			
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	525.84		41.85	
		<i>For 3 Hour Rated, Add</i>	80.05			
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	551.25		44.03	
		<i>For 3 Hour Rated, Add</i>	83.80			
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	578.23		46.22	
		<i>For 3 Hour Rated, Add</i>	87.88			
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	600.51		48.46	
		<i>For 3 Hour Rated, Add</i>	91.01			
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	627.47		50.64	
		<i>For 3 Hour Rated, Add</i>	95.08			
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	654.45		52.83	
		<i>For 3 Hour Rated, Add</i>	99.16			
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	345.71		22.01	
		<i>For 3 Hour Rated, Add</i>	55.92			
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.15		24.20	
		<i>For 3 Hour Rated, Add</i>	57.49			
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.91		26.45	
		<i>For 3 Hour Rated, Add</i>	58.11			
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.08		28.63	
		<i>For 3 Hour Rated, Add</i>	58.43			
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.09		30.80	
		<i>For 3 Hour Rated, Add</i>	60.31			
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.09		33.05	
		<i>For 3 Hour Rated, Add</i>	62.19			
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	426.89		35.24	
		<i>For 3 Hour Rated, Add</i>	64.22			
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.69		37.42	
		<i>For 3 Hour Rated, Add</i>	66.26			
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.37		38.54	
		<i>For 3 Hour Rated, Add</i>	70.33			
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.46		39.60	
		<i>For 3 Hour Rated, Add</i>	74.09			
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.45		41.85	
		<i>For 3 Hour Rated, Add</i>	78.17			
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	543.43		44.03	
		<i>For 3 Hour Rated, Add</i>	82.24			
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	565.70		46.22	
		<i>For 3 Hour Rated, Add</i>	85.37			
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	597.37		48.46	
		<i>For 3 Hour Rated, Add</i>	90.38			
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	625.91		50.64	
		<i>For 3 Hour Rated, Add</i>	94.77			
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	654.45		52.83	
		<i>For 3 Hour Rated, Add</i>	99.16			
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	679.85		55.08	
		<i>For 3 Hour Rated, Add</i>	102.91			
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	705.29		57.25	
		<i>For 3 Hour Rated, Add</i>	106.68			
23 33 13 19-0173		Smoke Damper <small>(23 33 13 19)</small>				
		Note: Leakage class I with Firestat UL 555S air foil blades.				
23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	66.64		4.89	
		<i>For Dynamic Damper, Add</i>	11.69			
		<i>For 3 Hour Rated, Add</i>	10.39			
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	68.62		5.11	
		<i>For Dynamic Damper, Add</i>	11.99			
		<i>For 3 Hour Rated, Add</i>	10.66			
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	70.02		5.15	
		<i>For Dynamic Damper, Add</i>	12.29			
		<i>For 3 Hour Rated, Add</i>	10.92			
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	70.02		5.15	
		<i>For Dynamic Damper, Add</i>	12.29			
		<i>For 3 Hour Rated, Add</i>	10.92			
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.78		5.29	
		<i>For Dynamic Damper, Add</i>	12.58			
		<i>For 3 Hour Rated, Add</i>	11.18			
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	76.17		5.86	
		<i>For Dynamic Damper, Add</i>	13.17			
		<i>For 3 Hour Rated, Add</i>	11.71			
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.78		5.29	
		<i>For Dynamic Damper, Add</i>	12.58			
		<i>For 3 Hour Rated, Add</i>	11.18			
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.29		5.60	
		<i>For Dynamic Damper, Add</i>	13.17			
		<i>For 3 Hour Rated, Add</i>	11.71			
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.49		5.86	
		<i>For Dynamic Damper, Add</i>	13.47			
		<i>For 3 Hour Rated, Add</i>	11.97			
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	81.01		6.61	
		<i>For Dynamic Damper, Add</i>	13.76			
		<i>For 3 Hour Rated, Add</i>	12.23			
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	74.64		5.60	
		<i>For Dynamic Damper, Add</i>	13.03			
		<i>For 3 Hour Rated, Add</i>	11.58			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0185	EA		14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.49	5.86
			<i>For Dynamic Damper, Add</i>	13.47	
			<i>For 3 Hour Rated, Add</i>	11.97	
23 33 13 19-0186	EA		14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.68	6.17
			<i>For Dynamic Damper, Add</i>	13.76	
			<i>For 3 Hour Rated, Add</i>	12.23	
23 33 13 19-0187	EA		14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	82.34	6.61
			<i>For Dynamic Damper, Add</i>	14.06	
			<i>For 3 Hour Rated, Add</i>	12.50	
23 33 13 19-0188	EA		14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.81	7.36
			<i>For Dynamic Damper, Add</i>	14.80	
			<i>For 3 Hour Rated, Add</i>	13.16	
23 33 13 19-0189	EA		16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.41	5.86
			<i>For Dynamic Damper, Add</i>	24.25	
			<i>For 3 Hour Rated, Add</i>	21.56	
23 33 13 19-0190	EA		16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.05	6.30
			<i>For Dynamic Damper, Add</i>	24.55	
			<i>For 3 Hour Rated, Add</i>	21.82	
23 33 13 19-0191	EA		16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.14	6.92
			<i>For Dynamic Damper, Add</i>	24.84	
			<i>For 3 Hour Rated, Add</i>	22.08	
23 33 13 19-0192	EA		16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	133.75	7.36
			<i>For Dynamic Damper, Add</i>	25.14	
			<i>For 3 Hour Rated, Add</i>	22.34	
23 33 13 19-0193	EA		16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.27	8.07
			<i>For Dynamic Damper, Add</i>	25.88	
			<i>For 3 Hour Rated, Add</i>	23.01	
23 33 13 19-0194	EA		16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.76	8.82
			<i>For Dynamic Damper, Add</i>	26.62	
			<i>For 3 Hour Rated, Add</i>	23.66	
23 33 13 19-0195	EA		18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.60	6.17
			<i>For Dynamic Damper, Add</i>	24.55	
			<i>For 3 Hour Rated, Add</i>	21.82	
23 33 13 19-0196	EA		18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.91	6.61
			<i>For Dynamic Damper, Add</i>	24.99	
			<i>For 3 Hour Rated, Add</i>	22.21	
23 33 13 19-0197	EA		18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.08	7.36
			<i>For Dynamic Damper, Add</i>	25.44	
			<i>For 3 Hour Rated, Add</i>	22.61	
23 33 13 19-0198	EA		18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.58	8.07
			<i>For Dynamic Damper, Add</i>	26.18	
			<i>For 3 Hour Rated, Add</i>	23.27	
23 33 13 19-0199	EA		18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.42	8.82
			<i>For Dynamic Damper, Add</i>	26.77	
			<i>For 3 Hour Rated, Add</i>	23.79	
23 33 13 19-0200	EA		18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.91	9.52
			<i>For Dynamic Damper, Add</i>	27.51	
			<i>For 3 Hour Rated, Add</i>	24.45	
23 33 13 19-0201	EA		18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.09	10.27
			<i>For Dynamic Damper, Add</i>	27.95	
			<i>For 3 Hour Rated, Add</i>	24.85	
23 33 13 19-0202	EA		20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.26	6.61
			<i>For Dynamic Damper, Add</i>	24.84	
			<i>For 3 Hour Rated, Add</i>	22.08	
23 33 13 19-0203	EA		20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.07	7.36
			<i>For Dynamic Damper, Add</i>	25.43	
			<i>For 3 Hour Rated, Add</i>	22.61	
23 33 13 19-0204	EA		20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.92	8.07
			<i>For Dynamic Damper, Add</i>	26.03	
			<i>For 3 Hour Rated, Add</i>	23.14	
23 33 13 19-0205	EA		20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.40	8.82
			<i>For Dynamic Damper, Add</i>	27.21	
			<i>For 3 Hour Rated, Add</i>	24.19	
23 33 13 19-0206	EA		20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.57	9.52
			<i>For Dynamic Damper, Add</i>	27.66	
			<i>For 3 Hour Rated, Add</i>	24.58	
23 33 13 19-0207	EA		20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.75	10.27
			<i>For Dynamic Damper, Add</i>	28.10	
			<i>For 3 Hour Rated, Add</i>	24.98	
23 33 13 19-0208	EA		20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	160.57	11.02
			<i>For Dynamic Damper, Add</i>	28.69	
			<i>For 3 Hour Rated, Add</i>	25.50	
23 33 13 19-0209	EA		20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.41	11.73
			<i>For Dynamic Damper, Add</i>	29.28	
			<i>For 3 Hour Rated, Add</i>	26.03	
23 33 13 19-0210	EA		24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	174.72	7.36
			<i>For Dynamic Damper, Add</i>	34.36	
			<i>For 3 Hour Rated, Add</i>	30.54	
23 33 13 19-0211	EA		24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	180.89	8.07
			<i>For Dynamic Damper, Add</i>	35.25	
			<i>For 3 Hour Rated, Add</i>	31.33	
23 33 13 19-0212	EA		24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.74	8.82
			<i>For Dynamic Damper, Add</i>	35.84	
			<i>For 3 Hour Rated, Add</i>	31.86	
23 33 13 19-0213	EA		24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	191.88	9.52
			<i>For Dynamic Damper, Add</i>	36.73	
			<i>For 3 Hour Rated, Add</i>	32.65	
23 33 13 19-0214	EA		24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	196.06	10.27
			<i>For Dynamic Damper, Add</i>	37.17	
			<i>For 3 Hour Rated, Add</i>	33.04	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0215	EA		24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.22	11.02
			<i>For Dynamic Damper, Add</i>	37.61	
			<i>For 3 Hour Rated, Add</i>	33.43	
23 33 13 19-0216	EA		24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.38	11.73
			<i>For Dynamic Damper, Add</i>	38.50	
			<i>For 3 Hour Rated, Add</i>	34.22	
23 33 13 19-0217	EA		24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.73	13.22
			<i>For Dynamic Damper, Add</i>	39.39	
			<i>For 3 Hour Rated, Add</i>	35.01	
23 33 13 19-0218	EA		24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.42	14.67
			<i>For Dynamic Damper, Add</i>	40.58	
			<i>For 3 Hour Rated, Add</i>	36.07	
23 33 13 19-0219	EA		28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.89	8.07
			<i>For Dynamic Damper, Add</i>	35.25	
			<i>For 3 Hour Rated, Add</i>	31.33	
23 33 13 19-0220	EA		28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.74	8.82
			<i>For Dynamic Damper, Add</i>	35.84	
			<i>For 3 Hour Rated, Add</i>	31.86	
23 33 13 19-0221	EA		28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.88	9.52
			<i>For Dynamic Damper, Add</i>	36.73	
			<i>For 3 Hour Rated, Add</i>	32.65	
23 33 13 19-0222	EA		28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.71	10.27
			<i>For Dynamic Damper, Add</i>	37.32	
			<i>For 3 Hour Rated, Add</i>	33.17	
23 33 13 19-0223	EA		28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.20	11.02
			<i>For Dynamic Damper, Add</i>	38.06	
			<i>For 3 Hour Rated, Add</i>	33.83	
23 33 13 19-0224	EA		28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.70	11.73
			<i>For Dynamic Damper, Add</i>	38.80	
			<i>For 3 Hour Rated, Add</i>	34.49	
23 33 13 19-0225	EA		28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.04	13.22
			<i>For Dynamic Damper, Add</i>	39.69	
			<i>For 3 Hour Rated, Add</i>	35.28	
23 33 13 19-0226	EA		28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.42	14.67
			<i>For Dynamic Damper, Add</i>	40.58	
			<i>For 3 Hour Rated, Add</i>	36.07	
23 33 13 19-0227	EA		28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.51	15.42
			<i>For Dynamic Damper, Add</i>	42.35	
			<i>For 3 Hour Rated, Add</i>	37.65	
23 33 13 19-0228	EA		28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.49	16.88
			<i>For Dynamic Damper, Add</i>	43.83	
			<i>For 3 Hour Rated, Add</i>	38.96	
23 33 13 19-0229	EA		32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.68	8.82
			<i>For Dynamic Damper, Add</i>	36.73	
			<i>For 3 Hour Rated, Add</i>	32.65	
23 33 13 19-0230	EA		32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.19	9.52
			<i>For Dynamic Damper, Add</i>	37.02	
			<i>For 3 Hour Rated, Add</i>	32.91	
23 33 13 19-0231	EA		32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.71	10.27
			<i>For Dynamic Damper, Add</i>	37.32	
			<i>For 3 Hour Rated, Add</i>	33.17	
23 33 13 19-0232	EA		32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.54	11.02
			<i>For Dynamic Damper, Add</i>	37.91	
			<i>For 3 Hour Rated, Add</i>	33.70	
23 33 13 19-0233	EA		32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.94	11.73
			<i>For Dynamic Damper, Add</i>	38.85	
			<i>For 3 Hour Rated, Add</i>	34.54	
23 33 13 19-0234	EA		32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.04	13.22
			<i>For Dynamic Damper, Add</i>	39.69	
			<i>For 3 Hour Rated, Add</i>	35.28	
23 33 13 19-0235	EA		32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	225.74	14.67
			<i>For Dynamic Damper, Add</i>	40.87	
			<i>For 3 Hour Rated, Add</i>	36.33	
23 33 13 19-0236	EA		32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.41	16.13
			<i>For Dynamic Damper, Add</i>	42.06	
			<i>For 3 Hour Rated, Add</i>	37.39	
23 33 13 19-0237	EA		32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.49	16.88
			<i>For Dynamic Damper, Add</i>	43.83	
			<i>For 3 Hour Rated, Add</i>	38.96	
23 33 13 19-0238	EA		32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.24	18.07
			<i>For Dynamic Damper, Add</i>	45.91	
			<i>For 3 Hour Rated, Add</i>	40.81	
23 33 13 19-0239	EA		32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.85	19.09
			<i>For Dynamic Damper, Add</i>	48.28	
			<i>For 3 Hour Rated, Add</i>	42.91	
23 33 13 19-0240	EA		36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.09	9.52
			<i>For Dynamic Damper, Add</i>	38.12	
			<i>For 3 Hour Rated, Add</i>	33.89	
23 33 13 19-0241	EA		36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.04	10.27
			<i>For Dynamic Damper, Add</i>	38.74	
			<i>For 3 Hour Rated, Add</i>	34.44	
23 33 13 19-0242	EA		36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.99	11.02
			<i>For Dynamic Damper, Add</i>	39.36	
			<i>For 3 Hour Rated, Add</i>	34.99	
23 33 13 19-0243	EA		36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.34	11.73
			<i>For Dynamic Damper, Add</i>	40.29	
			<i>For 3 Hour Rated, Add</i>	35.82	
23 33 13 19-0244	EA		36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.82	13.22
			<i>For Dynamic Damper, Add</i>	40.76	
			<i>For 3 Hour Rated, Add</i>	36.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0245	EA		36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	225.10 41.23 36.65	13.92
23 33 13 19-0246	EA		36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	238.60 42.78 38.02	16.13
23 33 13 19-0247	EA		36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	249.89 44.33 39.40	17.63
23 33 13 19-0248	EA		36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	259.93 46.19 41.06	18.21
23 33 13 19-0249	EA		36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	274.92 48.67 43.26	19.52
23 33 13 19-0250	EA		36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	287.66 50.84 45.19	20.54
23 33 13 19-0251	EA		36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	300.89 53.32 47.40	21.28
23 33 13 19-0252	EA		40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	230.41 44.90 39.91	11.02
23 33 13 19-0253	EA		40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	238.12 46.14 41.01	11.73
23 33 13 19-0254	EA		40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	241.71 46.45 41.29	12.48
23 33 13 19-0255	EA		40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	245.30 46.76 41.57	13.22
23 33 13 19-0256	EA		40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	254.53 47.85 42.53	13.92
23 33 13 19-0257	EA		40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	261.57 48.94 43.50	14.67
23 33 13 19-0258	EA		40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	273.68 50.18 44.60	16.88
23 33 13 19-0259	EA		40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	283.62 51.42 45.70	18.34
23 33 13 19-0260	EA		40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	295.41 53.28 47.36	19.52
23 33 13 19-0261	EA		40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	313.66 56.69 50.39	20.54
23 33 13 19-0262	EA		40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	325.45 58.55 52.04	21.73
23 33 13 19-0263	EA		40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	342.38 61.96 55.08	22.30
23 33 13 19-0264	EA		40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	359.70 65.07 57.84	23.49
23 33 13 19-0265	EA		44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	235.37 45.52 40.46	11.02
23 33 13 19-0266	EA		44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	243.09 46.76 41.57	11.73
23 33 13 19-0267	EA		44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	249.45 47.70 42.40	12.48
23 33 13 19-0268	EA		44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	253.02 48.01 42.67	13.22
23 33 13 19-0269	EA		44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	260.74 49.25 43.77	13.92
23 33 13 19-0270	EA		44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	268.46 50.49 44.88	14.67
23 33 13 19-0271	EA		44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	284.17 52.04 46.26	17.63
23 33 13 19-0272	EA		44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	295.45 53.59 47.63	19.09
23 33 13 19-0273	EA		44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	313.66 56.69 50.39	20.54
23 33 13 19-0274	EA		44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	330.48 59.48 52.87	22.03

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0275	EA		44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.66	23.49
			<i>For Dynamic Damper, Add</i>	62.58	
			<i>For 3 Hour Rated, Add</i>	55.63	
23 33 13 19-0276	EA		44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.27	24.20
			<i>For Dynamic Damper, Add</i>	65.37	
			<i>For 3 Hour Rated, Add</i>	58.11	
23 33 13 19-0277	EA		44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.88	24.95
			<i>For Dynamic Damper, Add</i>	68.17	
			<i>For 3 Hour Rated, Add</i>	60.59	
23 33 13 19-0278	EA		44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.50	25.70
			<i>For Dynamic Damper, Add</i>	70.96	
			<i>For 3 Hour Rated, Add</i>	63.07	
23 33 13 19-0279	EA		48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.71	11.73
			<i>For Dynamic Damper, Add</i>	46.45	
			<i>For 3 Hour Rated, Add</i>	41.29	
23 33 13 19-0280	EA		48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.45	12.48
			<i>For Dynamic Damper, Add</i>	47.70	
			<i>For 3 Hour Rated, Add</i>	42.40	
23 33 13 19-0281	EA		48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.02	13.22
			<i>For Dynamic Damper, Add</i>	48.01	
			<i>For 3 Hour Rated, Add</i>	42.67	
23 33 13 19-0282	EA		48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.57	14.67
			<i>For Dynamic Damper, Add</i>	48.94	
			<i>For 3 Hour Rated, Add</i>	43.50	
23 33 13 19-0283	EA		48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.48	16.13
			<i>For Dynamic Damper, Add</i>	50.18	
			<i>For 3 Hour Rated, Add</i>	44.60	
23 33 13 19-0284	EA		48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.41	17.63
			<i>For Dynamic Damper, Add</i>	51.42	
			<i>For 3 Hour Rated, Add</i>	45.70	
23 33 13 19-0285	EA		48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.08	19.09
			<i>For Dynamic Damper, Add</i>	53.28	
			<i>For 3 Hour Rated, Add</i>	47.36	
23 33 13 19-0286	EA		48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.76	20.54
			<i>For Dynamic Damper, Add</i>	55.14	
			<i>For 3 Hour Rated, Add</i>	49.01	
23 33 13 19-0287	EA		48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	323.57	22.03
			<i>For Dynamic Damper, Add</i>	57.93	
			<i>For 3 Hour Rated, Add</i>	51.49	
23 33 13 19-0288	EA		48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.15	23.49
			<i>For Dynamic Damper, Add</i>	61.34	
			<i>For 3 Hour Rated, Add</i>	54.53	
23 33 13 19-0289	EA		48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.77	24.20
			<i>For Dynamic Damper, Add</i>	64.14	
			<i>For 3 Hour Rated, Add</i>	57.01	
23 33 13 19-0290	EA		48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	376.50	24.95
			<i>For Dynamic Damper, Add</i>	67.86	
			<i>For 3 Hour Rated, Add</i>	60.32	
23 33 13 19-0291	EA		48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	393.33	26.40
			<i>For Dynamic Damper, Add</i>	70.65	
			<i>For 3 Hour Rated, Add</i>	62.80	
23 33 13 19-0292	EA		48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	412.06	27.15
			<i>For Dynamic Damper, Add</i>	74.37	
			<i>For 3 Hour Rated, Add</i>	66.11	
23 33 13 19-0293	EA		48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.71	29.36
			<i>For Dynamic Damper, Add</i>	76.85	
			<i>For 3 Hour Rated, Add</i>	68.31	
23 33 13 19-0294	EA		52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.07	12.48
			<i>For Dynamic Damper, Add</i>	47.39	
			<i>For 3 Hour Rated, Add</i>	42.12	
23 33 13 19-0295	EA		52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.77	13.22
			<i>For Dynamic Damper, Add</i>	48.62	
			<i>For 3 Hour Rated, Add</i>	43.22	
23 33 13 19-0296	EA		52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	265.70	14.67
			<i>For Dynamic Damper, Add</i>	49.86	
			<i>For 3 Hour Rated, Add</i>	44.32	
23 33 13 19-0297	EA		52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.48	16.13
			<i>For Dynamic Damper, Add</i>	50.18	
			<i>For 3 Hour Rated, Add</i>	44.60	
23 33 13 19-0298	EA		52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.10	17.63
			<i>For Dynamic Damper, Add</i>	51.57	
			<i>For 3 Hour Rated, Add</i>	45.84	
23 33 13 19-0299	EA		52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.70	19.09
			<i>For Dynamic Damper, Add</i>	52.97	
			<i>For 3 Hour Rated, Add</i>	47.08	
23 33 13 19-0300	EA		52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.39	20.54
			<i>For Dynamic Damper, Add</i>	54.83	
			<i>For 3 Hour Rated, Add</i>	48.74	
23 33 13 19-0301	EA		52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.06	22.03
			<i>For Dynamic Damper, Add</i>	56.69	
			<i>For 3 Hour Rated, Add</i>	50.39	
23 33 13 19-0302	EA		52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.89	23.49
			<i>For Dynamic Damper, Add</i>	59.48	
			<i>For 3 Hour Rated, Add</i>	52.87	
23 33 13 19-0303	EA		52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.82	24.95
			<i>For Dynamic Damper, Add</i>	63.20	
			<i>For 3 Hour Rated, Add</i>	56.18	
23 33 13 19-0304	EA		52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.81	25.70
			<i>For Dynamic Damper, Add</i>	66.30	
			<i>For 3 Hour Rated, Add</i>	58.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0305	EA		52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	391.95 70.34 62.52	26.40
23 33 13 19-0306	EA		52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	412.88 74.06 65.83	27.90
23 33 13 19-0307	EA		52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	429.71 76.85 68.31	29.36
23 33 13 19-0308	EA		52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	452.87 80.57 71.62	31.55
23 33 13 19-0309	EA		52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	471.06 83.68 74.38	33.01
23 33 13 19-0310	EA		56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	253.02 48.01 42.67	13.22
23 33 13 19-0311	EA		56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	264.32 49.55 44.05	14.67
23 33 13 19-0312	EA		56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	272.86 50.49 44.88	16.13
23 33 13 19-0313	EA		56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	278.64 50.79 45.15	17.63
23 33 13 19-0314	EA		56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	290.63 52.50 46.67	19.09
23 33 13 19-0315	EA		56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	302.63 54.21 48.18	20.54
23 33 13 19-0316	EA		56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	314.61 55.91 49.70	22.03
23 33 13 19-0317	EA		56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	326.60 57.62 51.22	23.49
23 33 13 19-0318	EA		56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	347.55 61.34 54.53	24.95
23 33 13 19-0319	EA		56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	366.31 65.07 57.84	25.70
23 33 13 19-0320	EA		56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	383.68 68.48 60.87	26.40
23 33 13 19-0321	EA		56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	407.38 72.82 64.73	27.90
23 33 13 19-0322	EA		56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	428.33 76.54 68.04	29.36
23 33 13 19-0323	EA		56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	450.66 80.57 71.62	30.80
23 33 13 19-0324	EA		56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	468.87 83.68 74.38	32.30
23 33 13 19-0325	EA		56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	491.19 87.71 77.96	33.76
23 33 13 19-0326	EA		56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	513.52 91.74 81.55	35.22
23 33 13 19-0327	EA		60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	261.57 48.94 43.50	14.67
23 33 13 19-0328	EA		60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	272.86 50.49 44.88	16.13
23 33 13 19-0329	EA		60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	280.02 51.10 45.43	17.63
23 33 13 19-0330	EA		60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	285.81 51.42 45.70	19.09
23 33 13 19-0331	EA		60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	298.50 53.28 47.36	20.54
23 33 13 19-0332	EA		60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	311.16 55.14 49.01	22.03
23 33 13 19-0333	EA		60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	324.53 57.15 50.80	23.49
23 33 13 19-0334	EA		60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	337.90 59.17 52.60	24.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0335	EA		60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	358.03 63.20 56.18	25.70
23 33 13 19-0336	EA		60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	376.78 66.92 59.49	26.40
23 33 13 19-0337	EA		60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	399.11 70.96 63.07	27.90
23 33 13 19-0338	EA		60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	421.44 74.99 66.66	29.36
23 33 13 19-0339	EA		60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	439.63 78.09 69.42	30.80
23 33 13 19-0340	EA		60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	466.10 83.05 73.83	32.30
23 33 13 19-0341	EA		60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	489.80 87.40 77.69	33.76
23 33 13 19-0342	EA		60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	513.52 91.74 81.55	35.22
23 33 13 19-0343	EA		60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	534.45 95.46 84.85	36.72
23 33 13 19-0344	EA		60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	555.43 99.19 88.17	38.16

23 33 13 23 Backdraft Dampers (23 33 13)

23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA		6" x 6" Horizontally Mounted Backdraft Damper	38.69	4.89
23 33 13 23-0003	EA		8" x 6" Horizontally Mounted Backdraft Damper	47.36	5.11
23 33 13 23-0004	EA		8" x 8" Horizontally Mounted Backdraft Damper	58.11	5.15
23 33 13 23-0005	EA		10" x 6" Horizontally Mounted Backdraft Damper	55.45	5.15
23 33 13 23-0006	EA		10" x 8" Horizontally Mounted Backdraft Damper	52.72	5.29
23 33 13 23-0007	EA		10" x 10" Horizontally Mounted Backdraft Damper	63.69	5.86
23 33 13 23-0008	EA		12" x 6" Horizontally Mounted Backdraft Damper	49.04	5.29
23 33 13 23-0009	EA		12" x 8" Horizontally Mounted Backdraft Damper	61.85	5.86
23 33 13 23-0010	EA		12" x 10" Horizontally Mounted Backdraft Damper	58.77	6.17
23 33 13 23-0011	EA		12" x 12" Horizontally Mounted Backdraft Damper	68.15	6.61
23 33 13 23-0012	EA		14" x 6" Horizontally Mounted Backdraft Damper	55.44	5.60
23 33 13 23-0013	EA		14" x 8" Horizontally Mounted Backdraft Damper	56.08	6.17
23 33 13 23-0014	EA		14" x 10" Horizontally Mounted Backdraft Damper	66.81	6.61
23 33 13 23-0015	EA		14" x 12" Horizontally Mounted Backdraft Damper	58.16	7.36
23 33 13 23-0016	EA		14" x 14" Horizontally Mounted Backdraft Damper	66.39	8.07
23 33 13 23-0017	EA		16" x 6" Horizontally Mounted Backdraft Damper	61.85	5.86
23 33 13 23-0018	EA		16" x 8" Horizontally Mounted Backdraft Damper	62.78	6.61
23 33 13 23-0019	EA		16" x 10" Horizontally Mounted Backdraft Damper	56.44	7.36
23 33 13 23-0020	EA		16" x 12" Horizontally Mounted Backdraft Damper	63.32	7.36
23 33 13 23-0021	EA		16" x 14" Horizontally Mounted Backdraft Damper	72.42	8.07
23 33 13 23-0022	EA		16" x 16" Horizontally Mounted Backdraft Damper	81.50	8.82
23 33 13 23-0023	EA		18" x 6" Horizontally Mounted Backdraft Damper	54.74	6.17
23 33 13 23-0024	EA		18" x 8" Horizontally Mounted Backdraft Damper	50.80	6.61
23 33 13 23-0025	EA		18" x 10" Horizontally Mounted Backdraft Damper	60.73	7.36
23 33 13 23-0026	EA		18" x 12" Horizontally Mounted Backdraft Damper	70.69	8.07
23 33 13 23-0027	EA		18" x 14" Horizontally Mounted Backdraft Damper	80.64	8.82
23 33 13 23-0028	EA		18" x 16" Horizontally Mounted Backdraft Damper	92.57	9.52
23 33 13 23-0029	EA		18" x 18" Horizontally Mounted Backdraft Damper	104.95	11.02
23 33 13 23-0030	EA		18" x 20" Horizontally Mounted Backdraft Damper	83.72	11.73
23 33 13 23-0031	EA		18" x 24" Horizontally Mounted Backdraft Damper	97.80	13.22
23 33 13 23-0032	EA		20" x 6" Horizontally Mounted Backdraft Damper	60.10	6.61
23 33 13 23-0033	EA		20" x 8" Horizontally Mounted Backdraft Damper	56.44	7.36
23 33 13 23-0034	EA		20" x 10" Horizontally Mounted Backdraft Damper	67.25	8.07
23 33 13 23-0035	EA		20" x 12" Horizontally Mounted Backdraft Damper	78.06	8.82
23 33 13 23-0036	EA		20" x 14" Horizontally Mounted Backdraft Damper	90.79	9.52
23 33 13 23-0037	EA		20" x 16" Horizontally Mounted Backdraft Damper	101.87	10.27
23 33 13 23-0038	EA		20" x 18" Horizontally Mounted Backdraft Damper	83.72	11.73
23 33 13 23-0039	EA		20" x 20" Horizontally Mounted Backdraft Damper	89.10	11.73
23 33 13 23-0040	EA		20" x 24" Horizontally Mounted Backdraft Damper	104.26	13.22
23 33 13 23-0041	EA		20" x 28" Horizontally Mounted Backdraft Damper	119.44	14.67
23 33 13 23-0042	EA		20" x 32" Horizontally Mounted Backdraft Damper	110.00	16.13
23 33 13 23-0043	EA		20" x 36" Horizontally Mounted Backdraft Damper	122.10	17.63
23 33 13 23-0044	EA		24" x 6" Horizontally Mounted Backdraft Damper	52.99	7.36
23 33 13 23-0045	EA		24" x 8" Horizontally Mounted Backdraft Damper	65.53	8.07
23 33 13 23-0046	EA		24" x 10" Horizontally Mounted Backdraft Damper	78.06	8.82
23 33 13 23-0047	EA		24" x 12" Horizontally Mounted Backdraft Damper	92.57	9.52
23 33 13 23-0048	EA		24" x 14" Horizontally Mounted Backdraft Damper	78.27	11.02
23 33 13 23-0049	EA		24" x 16" Horizontally Mounted Backdraft Damper	86.94	11.73
23 33 13 23-0050	EA		24" x 18" Horizontally Mounted Backdraft Damper	97.80	13.22
23 33 13 23-0051	EA		24" x 20" Horizontally Mounted Backdraft Damper	104.26	13.22
23 33 13 23-0052	EA		24" x 24" Horizontally Mounted Backdraft Damper	121.60	14.67



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0053	EA	24"	x 28" Horizontally Mounted Backdraft Damper	113.07	16.13
23 33 13 23-0054	EA	24"	x 32" Horizontally Mounted Backdraft Damper	126.72	17.63
23 33 13 23-0055	EA	24"	x 36" Horizontally Mounted Backdraft Damper	140.34	19.09
23 33 13 23-0056	EA	24"	x 40" Horizontally Mounted Backdraft Damper	135.54	20.54
23 33 13 23-0057	EA	24"	x 44" Horizontally Mounted Backdraft Damper	147.32	22.03
23 33 13 23-0058	EA	24"	x 48" Horizontally Mounted Backdraft Damper	154.70	22.03
23 33 13 23-0059	EA	28"	x 6" Horizontally Mounted Backdraft Damper	58.16	7.36
23 33 13 23-0060	EA	28"	x 8" Horizontally Mounted Backdraft Damper	72.42	8.07
23 33 13 23-0061	EA	28"	x 10" Horizontally Mounted Backdraft Damper	90.79	9.52
23 33 13 23-0062	EA	28"	x 12" Horizontally Mounted Backdraft Damper	78.27	11.02
23 33 13 23-0063	EA	28"	x 14" Horizontally Mounted Backdraft Damper	88.02	11.73
23 33 13 23-0064	EA	28"	x 16" Horizontally Mounted Backdraft Damper	99.96	13.22
23 33 13 23-0065	EA	28"	x 18" Horizontally Mounted Backdraft Damper	111.92	14.67
23 33 13 23-0066	EA	28"	x 20" Horizontally Mounted Backdraft Damper	119.44	14.67
23 33 13 23-0067	EA	28"	x 24" Horizontally Mounted Backdraft Damper	113.07	16.13
23 33 13 23-0068	EA	28"	x 28" Horizontally Mounted Backdraft Damper	128.25	17.63
23 33 13 23-0069	EA	28"	x 32" Horizontally Mounted Backdraft Damper	143.42	19.09
23 33 13 23-0070	EA	28"	x 36" Horizontally Mounted Backdraft Damper	143.62	22.03
23 33 13 23-0071	EA	28"	x 40" Horizontally Mounted Backdraft Damper	152.24	22.03
23 33 13 23-0072	EA	28"	x 44" Horizontally Mounted Backdraft Damper	165.25	23.49
23 33 13 23-0073	EA	28"	x 48" Horizontally Mounted Backdraft Damper	178.27	24.95
23 33 13 23-0074	EA	28"	x 52" Horizontally Mounted Backdraft Damper	186.89	24.95
23 33 13 23-0075	EA	28"	x 56" Horizontally Mounted Backdraft Damper	184.85	26.40
23 33 13 23-0076	EA	28"	x 60" Horizontally Mounted Backdraft Damper	192.38	26.40
23 33 13 23-0077	EA	32"	x 6" Horizontally Mounted Backdraft Damper	65.53	8.07
23 33 13 23-0078	EA	32"	x 8" Horizontally Mounted Backdraft Damper	85.47	9.52
23 33 13 23-0079	EA	32"	x 10" Horizontally Mounted Backdraft Damper	101.87	10.27
23 33 13 23-0080	EA	32"	x 12" Horizontally Mounted Backdraft Damper	86.94	11.73
23 33 13 23-0081	EA	32"	x 14" Horizontally Mounted Backdraft Damper	99.96	13.22
23 33 13 23-0082	EA	32"	x 16" Horizontally Mounted Backdraft Damper	112.98	14.67
23 33 13 23-0083	EA	32"	x 18" Horizontally Mounted Backdraft Damper	99.45	14.67
23 33 13 23-0084	EA	32"	x 20" Horizontally Mounted Backdraft Damper	110.00	16.13
23 33 13 23-0085	EA	32"	x 24" Horizontally Mounted Backdraft Damper	126.72	17.63
23 33 13 23-0086	EA	32"	x 28" Horizontally Mounted Backdraft Damper	143.42	19.09
23 33 13 23-0087	EA	32"	x 32" Horizontally Mounted Backdraft Damper	144.86	22.03
23 33 13 23-0088	EA	32"	x 36" Horizontally Mounted Backdraft Damper	154.70	22.03
23 33 13 23-0089	EA	32"	x 40" Horizontally Mounted Backdraft Damper	168.95	23.49
23 33 13 23-0090	EA	32"	x 44" Horizontally Mounted Backdraft Damper	183.19	24.95
23 33 13 23-0091	EA	32"	x 48" Horizontally Mounted Backdraft Damper	182.69	26.40
23 33 13 23-0092	EA	32"	x 52" Horizontally Mounted Backdraft Damper	191.31	26.40
23 33 13 23-0093	EA	32"	x 56" Horizontally Mounted Backdraft Damper	204.31	27.90
23 33 13 23-0094	EA	32"	x 60" Horizontally Mounted Backdraft Damper	212.93	27.90
23 33 13 23-0095	EA	32"	x 64" Horizontally Mounted Backdraft Damper	206.26	29.36
23 33 13 23-0096	EA	32"	x 68" Horizontally Mounted Backdraft Damper	213.65	29.36
23 33 13 23-0097	EA	32"	x 72" Horizontally Mounted Backdraft Damper	225.43	30.80
23 33 13 23-0098	EA	36"	x 6" Horizontally Mounted Backdraft Damper	70.69	8.07
23 33 13 23-0099	EA	36"	x 8" Horizontally Mounted Backdraft Damper	94.77	10.27
23 33 13 23-0100	EA	36"	x 10" Horizontally Mounted Backdraft Damper	83.72	11.73
23 33 13 23-0101	EA	36"	x 12" Horizontally Mounted Backdraft Damper	97.80	13.22
23 33 13 23-0102	EA	36"	x 14" Horizontally Mounted Backdraft Damper	111.92	14.67
23 33 13 23-0103	EA	36"	x 16" Horizontally Mounted Backdraft Damper	99.45	14.67
23 33 13 23-0104	EA	36"	x 18" Horizontally Mounted Backdraft Damper	110.77	16.13
23 33 13 23-0105	EA	36"	x 20" Horizontally Mounted Backdraft Damper	122.10	17.63
23 33 13 23-0106	EA	36"	x 24" Horizontally Mounted Backdraft Damper	140.34	19.09
23 33 13 23-0107	EA	36"	x 28" Horizontally Mounted Backdraft Damper	143.62	22.03
23 33 13 23-0108	EA	36"	x 32" Horizontally Mounted Backdraft Damper	154.70	22.03
23 33 13 23-0109	EA	36"	x 36" Horizontally Mounted Backdraft Damper	170.17	23.49
23 33 13 23-0110	EA	36"	x 40" Horizontally Mounted Backdraft Damper	185.65	24.95
23 33 13 23-0111	EA	36"	x 44" Horizontally Mounted Backdraft Damper	185.92	26.40
23 33 13 23-0112	EA	36"	x 48" Horizontally Mounted Backdraft Damper	200.01	27.90
23 33 13 23-0113	EA	36"	x 52" Horizontally Mounted Backdraft Damper	209.70	27.90
23 33 13 23-0114	EA	36"	x 56" Horizontally Mounted Backdraft Damper	204.42	29.36
23 33 13 23-0115	EA	36"	x 60" Horizontally Mounted Backdraft Damper	212.72	29.36
23 33 13 23-0116	EA	36"	x 64" Horizontally Mounted Backdraft Damper	225.43	30.80
23 33 13 23-0117	EA	36"	x 68" Horizontally Mounted Backdraft Damper	233.73	30.80
23 33 13 23-0118	EA	36"	x 72" Horizontally Mounted Backdraft Damper	242.04	30.80
23 33 13 23-0119	EA	40"	x 6" Horizontally Mounted Backdraft Damper	78.06	8.82
23 33 13 23-0120	EA	40"	x 8" Horizontally Mounted Backdraft Damper	104.07	11.02
23 33 13 23-0121	EA	40"	x 10" Horizontally Mounted Backdraft Damper	89.10	11.73
23 33 13 23-0122	EA	40"	x 12" Horizontally Mounted Backdraft Damper	104.26	13.22
23 33 13 23-0123	EA	40"	x 14" Horizontally Mounted Backdraft Damper	119.44	14.67
23 33 13 23-0124	EA	40"	x 16" Horizontally Mounted Backdraft Damper	110.00	16.13
23 33 13 23-0125	EA	40"	x 18" Horizontally Mounted Backdraft Damper	122.10	17.63
23 33 13 23-0126	EA	40"	x 20" Horizontally Mounted Backdraft Damper	134.18	19.09
23 33 13 23-0127	EA	40"	x 24" Horizontally Mounted Backdraft Damper	135.54	20.54
23 33 13 23-0128	EA	40"	x 28" Horizontally Mounted Backdraft Damper	152.24	22.03
23 33 13 23-0129	EA	40"	x 32" Horizontally Mounted Backdraft Damper	168.95	23.49
23 33 13 23-0130	EA	40"	x 36" Horizontally Mounted Backdraft Damper	185.65	24.95
23 33 13 23-0131	EA	40"	x 40" Horizontally Mounted Backdraft Damper	186.99	26.40
23 33 13 23-0132	EA	40"	x 44" Horizontally Mounted Backdraft Damper	202.16	27.90
23 33 13 23-0133	EA	40"	x 48" Horizontally Mounted Backdraft Damper	212.93	27.90
23 33 13 23-0134	EA	40"	x 50" Horizontally Mounted Backdraft Damper	203.50	29.36
23 33 13 23-0135	EA	44"	x 6" Horizontally Mounted Backdraft Damper	87.24	9.52
23 33 13 23-0136	EA	44"	x 8" Horizontally Mounted Backdraft Damper	82.64	11.73
23 33 13 23-0137	EA	44"	x 10" Horizontally Mounted Backdraft Damper	98.88	13.22

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	115.14	14.67
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	107.69	16.13
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	120.56	17.63
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	129.02	17.63
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	141.88	19.09
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	147.32	22.03
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	165.25	23.49
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	183.19	24.95
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	185.92	26.40
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	202.16	27.90
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	214.00	27.90
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	209.96	29.36
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	215.03	29.36
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	94.77	10.27
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	86.94	11.73
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	104.26	13.22
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	99.45	14.67
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	113.07	16.13
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	126.72	17.63
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	140.34	19.09
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	135.54	20.54
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	154.70	22.03
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	178.27	24.95
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	182.69	26.40
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	200.01	27.90
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	212.93	27.90
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	209.96	29.36
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	225.43	30.80
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	230.97	30.80
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	97.43	10.27
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	93.50	13.22
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	111.38	14.67
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	106.15	16.13
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	120.18	17.63
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	134.18	19.09
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	148.22	20.54
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	143.00	22.03
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	162.79	23.49
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	182.57	24.95
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	186.99	26.40
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	204.85	27.90
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	203.50	29.36
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	215.03	29.36
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	230.97	30.80
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	236.73	30.80

23 33 13 23-0183 Vertically Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	42.33	4.89
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	52.22	5.11
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	53.84	5.15
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	56.41	5.15
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	61.98	5.29
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	68.86	5.86
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	69.66	5.29
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	79.11	5.86
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	79.99	6.17
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	83.88	6.61
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	67.31	5.60
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	70.94	6.17
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	76.02	6.61
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	78.21	7.36
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	84.16	8.07
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	83.16	5.86
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	87.25	6.61
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	75.69	7.36
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	75.69	7.36
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	83.85	8.07
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	86.06	8.82
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	81.10	6.17
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	82.43	6.61
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	89.09	7.36
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	95.77	8.07
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	97.98	8.82
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	100.18	9.52
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	106.08	11.02
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	104.60	11.73
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	114.55	13.22
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	94.73	6.61
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	99.70	7.36
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	101.91	8.07
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	109.66	8.82
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	111.86	9.52
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	114.06	10.27



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	122.63	11.73
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	124.02	11.73
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	128.42	13.22
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	135.61	14.67
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	145.56	16.13
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	149.97	17.63
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	121.89	7.36
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	124.10	8.07
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	126.31	8.82
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	128.51	9.52
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	137.06	11.02
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	146.21	11.73
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	150.61	13.22
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	150.61	13.22
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	132.84	14.67
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	124.91	16.13
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	129.32	17.63
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	137.36	19.09
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	143.60	20.54
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	148.00	22.03
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	148.00	22.03
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	109.38	7.36
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	111.59	8.07
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	116.00	9.52
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	122.22	11.02
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	126.25	11.73
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	130.65	13.22
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	135.07	14.67
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	142.35	14.67
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	146.75	16.13
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	151.16	17.63
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	157.38	19.09
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	168.02	22.03
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	168.02	22.03
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	180.62	23.49
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	168.26	24.95
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	168.26	24.95
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	172.68	26.40
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	176.57	26.40
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	122.24	8.07
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	126.65	9.52
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	130.41	10.27
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	137.93	11.73
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	148.55	13.22
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	152.97	14.67
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	152.97	14.67
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	160.48	16.13
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	164.89	17.63
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	169.29	19.09
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	178.11	22.03
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	182.79	22.03
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	190.31	23.49
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	199.37	24.95
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	203.79	26.40
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	203.79	26.40
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	209.74	27.90
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	215.19	27.90
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	208.33	29.36
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	208.33	29.36
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	217.74	30.80
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	150.14	8.07
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	159.61	10.27
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	164.02	11.73
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	168.42	13.22
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	181.43	14.67
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	181.43	14.67
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	185.83	16.13
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	193.10	17.63
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	198.93	19.09
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	209.18	22.03
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	209.18	22.03
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	225.04	23.49
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	229.44	24.95
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	233.86	26.40
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	241.12	27.90
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	243.98	27.90
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	248.39	29.36
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	249.10	29.36
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	264.23	30.80
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	264.23	30.80
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	264.23	30.80
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	205.29	8.82
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	213.32	11.02
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	215.53	11.73
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	222.79	13.22

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



City of Miami

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0305	EA 24" x 44" Vertically Mounted Backdraft Damper	212.52	14.67
23 33 13 23-0306	EA 44" x 24" Vertically Mounted Backdraft Damper	216.92	16.13
23 33 13 23-0307	EA 28" x 40" Vertically Mounted Backdraft Damper	231.53	17.63
23 33 13 23-0308	EA 40" x 28" Vertically Mounted Backdraft Damper	235.93	19.09
23 33 13 23-0309	EA 24" x 48" Vertically Mounted Backdraft Damper	245.46	20.54
23 33 13 23-0310	EA 32" x 36" Vertically Mounted Backdraft Damper	249.86	22.03
23 33 13 23-0311	EA 36" x 32" Vertically Mounted Backdraft Damper	254.27	23.49
23 33 13 23-0312	EA 48" x 24" Vertically Mounted Backdraft Damper	258.67	24.95
23 33 13 23-0313	EA 50" x 24" Vertically Mounted Backdraft Damper	270.74	26.40
23 33 13 23-0314	EA 28" x 44" Vertically Mounted Backdraft Damper	280.24	27.90
23 33 13 23-0315	EA 44" x 28" Vertically Mounted Backdraft Damper	280.24	27.90
23 33 13 23-0316	EA 32" x 40" Vertically Mounted Backdraft Damper	292.31	29.36
23 33 13 23-0317	EA 40" x 32" Vertically Mounted Backdraft Damper	232.81	9.52
23 33 13 23-0318	EA 36" x 36" Vertically Mounted Backdraft Damper	241.97	11.73
23 33 13 23-0319	EA 28" x 48" Vertically Mounted Backdraft Damper	254.02	13.22
23 33 13 23-0320	EA 48" x 28" Vertically Mounted Backdraft Damper	258.44	14.67
23 33 13 23-0321	EA 50" x 28" Vertically Mounted Backdraft Damper	271.78	16.13
23 33 13 23-0322	EA 32" x 44" Vertically Mounted Backdraft Damper	277.47	17.63
23 33 13 23-0323	EA 44" x 32" Vertically Mounted Backdraft Damper	277.47	17.63
23 33 13 23-0324	EA 36" x 40" Vertically Mounted Backdraft Damper	287.61	19.09
23 33 13 23-0325	EA 40" x 36" Vertically Mounted Backdraft Damper	272.82	22.03
23 33 13 23-0326	EA 28" x 52" Vertically Mounted Backdraft Damper	279.52	23.49
23 33 13 23-0327	EA 32" x 48" Vertically Mounted Backdraft Damper	295.41	24.95
23 33 13 23-0328	EA 48" x 32" Vertically Mounted Backdraft Damper	299.83	26.40
23 33 13 23-0329	EA 28" x 56" Vertically Mounted Backdraft Damper	308.82	27.90
23 33 13 23-0330	EA 36" x 44" Vertically Mounted Backdraft Damper	311.13	27.90
23 33 13 23-0331	EA 44" x 36" Vertically Mounted Backdraft Damper	315.54	29.36
23 33 13 23-0332	EA 40" x 40" Vertically Mounted Backdraft Damper	317.83	29.36
23 33 13 23-0333	EA 50" x 32" Vertically Mounted Backdraft Damper	260.53	10.27
23 33 13 23-0334	EA 32" x 52" Vertically Mounted Backdraft Damper	274.13	11.73
23 33 13 23-0335	EA 28" x 60" Vertically Mounted Backdraft Damper	280.82	13.22
23 33 13 23-0336	EA 36" x 48" Vertically Mounted Backdraft Damper	292.14	14.67
23 33 13 23-0337	EA 48" x 36" Vertically Mounted Backdraft Damper	296.54	16.13
23 33 13 23-0338	EA 40" x 44" Vertically Mounted Backdraft Damper	305.54	17.63
23 33 13 23-0339	EA 44" x 40" Vertically Mounted Backdraft Damper	309.94	19.09
23 33 13 23-0340	EA 32" x 56" Vertically Mounted Backdraft Damper	318.95	20.54
23 33 13 23-0341	EA 50" x 36" Vertically Mounted Backdraft Damper	295.79	22.03
23 33 13 23-0342	EA 36" x 52" Vertically Mounted Backdraft Damper	313.79	24.95
23 33 13 23-0343	EA 32" x 60" Vertically Mounted Backdraft Damper	324.33	26.40
23 33 13 23-0344	EA 40" x 48" Vertically Mounted Backdraft Damper	328.73	27.90
23 33 13 23-0345	EA 48" x 40" Vertically Mounted Backdraft Damper	328.73	27.90
23 33 13 23-0346	EA 44" x 44" Vertically Mounted Backdraft Damper	335.19	29.36
23 33 13 23-0347	EA 40" x 50" Vertically Mounted Backdraft Damper	347.75	30.80
23 33 13 23-0348	EA 50" x 40" Vertically Mounted Backdraft Damper	347.75	30.80
23 33 13 23-0349	EA 36" x 56" Vertically Mounted Backdraft Damper	288.09	10.27
23 33 13 23-0350	EA 32" x 64" Vertically Mounted Backdraft Damper	300.99	13.22
23 33 13 23-0351	EA 44" x 48" Vertically Mounted Backdraft Damper	313.57	14.67
23 33 13 23-0352	EA 48" x 44" Vertically Mounted Backdraft Damper	317.97	16.13
23 33 13 23-0353	EA 36" x 60" Vertically Mounted Backdraft Damper	328.51	17.63
23 33 13 23-0354	EA 32" x 68" Vertically Mounted Backdraft Damper	334.95	19.09
23 33 13 23-0355	EA 44" x 50" Vertically Mounted Backdraft Damper	307.34	20.54
23 33 13 23-0356	EA 50" x 44" Vertically Mounted Backdraft Damper	311.74	22.03
23 33 13 23-0357	EA 32" x 72" Vertically Mounted Backdraft Damper	327.76	23.49
23 33 13 23-0358	EA 36" x 64" Vertically Mounted Backdraft Damper	332.16	24.95
23 33 13 23-0359	EA 48" x 48" Vertically Mounted Backdraft Damper	336.58	26.40
23 33 13 23-0360	EA 48" x 50" Vertically Mounted Backdraft Damper	351.69	27.90
23 33 13 23-0361	EA 50" x 48" Vertically Mounted Backdraft Damper	356.10	29.36
23 33 13 23-0362	EA 36" x 68" Vertically Mounted Backdraft Damper	361.46	29.36
23 33 13 23-0363	EA 50" x 50" Vertically Mounted Backdraft Damper	371.67	30.80
23 33 13 23-0364	EA 36" x 72" Vertically Mounted Backdraft Damper	381.94	30.80
23 33 13 23-0365	Backdraft Damper Accessories (23 33 13 23)		
23 33 13 23-0366	EA For Motor Pack For Horizontally Mounted Backdraft Damper	107.61	12.79
23 33 13 23-0367	EA For Motor Pack For Vertically Mounted Backdraft Damper	182.88	12.79
23 33 13 33	Splitter Damper Hardware (23 33 13)		
23 33 13 33-0001	EA Splitter Damper, Hardware	14.50	3.08
23 33 13 43	Blower Check Valve (23 33 13)		
23 33 13 43-0001	Blower Check Valves With Silicone Seals (23 33 13 43)		
23 33 13 43-0002	EA 2-1/2" Blower Check Valves, Silicone Seals	282.37	11.37
23 33 13 43-0003	EA 3" Blower Check Valves, Silicone Seals	314.30	12.96
23 33 13 43-0004	EA 4" Blower Check Valves, Silicone Seals	401.67	17.19
23 33 13 43-0005	EA 5" Blower Check Valves, Silicone Seals	569.63	19.84
23 33 13 43-0006	EA 6" Blower Check Valves, Silicone Seals	632.34	23.80
23 33 13 43-0007	EA 8" Blower Check Valves, Silicone Seals	962.45	30.15
23 33 13 43-0008	Blower Check Valves With Viton Seats (23 33 13 43)		
23 33 13 43-0009	EA 2-1/2" Blower Check Valves, Viton Seats	406.75	11.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 43-0010 EA 3" Blower Check Valves, Viton Seats	462.13	12.96
23 33 13 43-0011 EA 4" Blower Check Valves, Viton Seats	504.60	17.19
23 33 13 43-0012 EA 5" Blower Check Valves, Viton Seats	723.73	19.84
23 33 13 43-0013 EA 6" Blower Check Valves, Viton Seats	802.45	23.80
23 33 13 43-0014 EA 8" Blower Check Valves, Viton Seats	1,263.36	30.15
23 33 19 Duct Sound Trap (23 33)		
23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0002 EA 12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	153.40	18.07
23 33 19 00-0003 EA 12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	185.49	20.71
23 33 19 00-0004 EA 12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	244.87	23.79
23 33 19 00-0005 EA 12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	300.84	26.87
23 33 19 00-0006 EA 24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	275.72	26.87
23 33 19 00-0007 EA 24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	360.17	28.20
23 33 19 00-0008 EA 24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	399.57	29.96
23 33 19 00-0009 EA 24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	439.84	31.72
23 33 19 00-0010 EA 24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	584.75	36.12
23 33 19 00-0011 EA 36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	355.22	29.96
23 33 19 00-0012 EA 36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	485.69	36.12
23 33 19 00-0013 EA 36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	880.87	48.46
23 33 19 00-0014 EA 36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	978.02	51.11
23 33 19 00-0015 EA 48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,094.02	55.07
23 33 19 00-0016 EA 48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,230.84	59.91
23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0018 EA 12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	171.70	39.65
23 33 19 00-0019 EA 12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	208.13	45.82
23 33 19 00-0020 EA 12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	275.42	52.87
23 33 19 00-0021 EA 12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	338.44	59.47
23 33 19 00-0022 EA 24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	309.88	59.47
23 33 19 00-0023 EA 24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	406.43	63.00
23 33 19 00-0024 EA 24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	449.68	66.08
23 33 19 00-0025 EA 24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	493.60	69.61
23 33 19 00-0026 EA 24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	659.23	79.30
23 33 19 00-0027 EA 36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	399.28	66.08
23 33 19 00-0028 EA 36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	546.67	79.30
23 33 19 00-0029 EA 36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	989.90	104.41
23 33 19 00-0030 EA 36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,106.90	113.22
23 33 19 00-0031 EA 48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,233.19	120.27
23 33 19 00-0032 EA 48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,389.94	132.16
23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0034 EA 6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	148.40	33.04
23 33 19 00-0035 EA 6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	258.72	49.34
23 33 19 00-0036 EA 6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	359.22	72.25
23 33 19 00-0037 EA 12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	203.62	39.65
23 33 19 00-0038 EA 12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	255.17	45.82
23 33 19 00-0039 EA 12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	352.70	52.87
23 33 19 00-0040 EA 12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	420.72	56.83
23 33 19 00-0041 EA 12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	459.68	61.24
23 33 19 00-0042 EA 12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	585.76	66.08
23 33 19 00-0043 EA 12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	696.90	72.25
23 33 19 00-0044 EA 24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	389.12	61.24
23 33 19 00-0045 EA 24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	569.74	63.88
23 33 19 00-0046 EA 24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	624.40	66.08
23 33 19 00-0047 EA 24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	681.76	69.61
23 33 19 00-0048 EA 24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	863.63	74.90
23 33 19 00-0049 EA 24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	938.12	79.30
23 33 23 Duct Turning Vanes (23 33)		
23 33 23 00-0001 Duct Turning Vane Components (23 33 23)		
23 33 23 00-0002 LF Duct Turning Vane Rail.....	3.88	1.10
<i>For Stainless Steel, Add</i>	2.07	
23 33 23 00-0003 LF Double Thick Factory Fabricated, Duct Turning Vane	3.30	0.44
<i>For Stainless Steel, Add</i>	3.11	
23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)		
Note: Measured from inside corner to outside corner of ductwork.		
23 33 23 00-0005 LF 12" High Duct Turning Vanes, Sets	13.07	1.65
<i>For Stainless Steel, Add</i>	14.30	
23 33 23 00-0006 LF 14" High Duct Turning Vanes, Sets	16.11	1.76
<i>For Stainless Steel, Add</i>	18.08	
23 33 23 00-0007 LF 16" High Duct Turning Vanes, Sets	21.81	1.85
<i>For Stainless Steel, Add</i>	25.32	
23 33 23 00-0008 LF 18" High Duct Turning Vanes, Sets	27.52	1.99
<i>For Stainless Steel, Add</i>	32.55	
23 33 23 00-0009 LF 20" High Duct Turning Vanes, Sets	30.46	2.12
<i>For Stainless Steel, Add</i>	36.17	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 23 00-0010 LF 22" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	38.64 47.02	1.99
23 33 23 00-0011 LF 24" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	47.46 57.88	2.33
23 33 23 00-0012 LF 26" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	50.92 62.23	2.44
23 33 23 00-0013 LF 30" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	56.78 69.69	2.53
23 33 33 Duct-Mounting Access Doors (23 33)		
23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication (23 33 33)		
23 33 33 00-0002 EA 6" x 6" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	43.12 36.68	6.17
23 33 33 00-0003 EA 10" x 10" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	46.97 44.38	6.17
23 33 33 00-0004 EA 12" x 12" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	48.85 48.14	6.17
23 33 33 00-0005 EA 12" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	64.44 67.88	7.49
23 33 33 00-0006 EA 16" x 12" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	65.21 69.42	7.49
23 33 33 00-0007 EA 18" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	79.60 79.90	10.13
23 33 33 00-0008 EA 24" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	92.59 86.04	12.33
23 33 33 00-0009 EA 24" x 24" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	118.90 105.64	16.74
23 33 43 Flexible Duct Connectors (23 33)		
23 33 43 00-0001 LF Flex Duct Connector, Fabric/Sheet Metal	5.34	1.32
23 33 43 00-0002 LF Flex Duct Connector, Rubber Vinyl	5.07	1.19
23 33 46 Flexible Ducts (23 33)		
23 33 46 00-0001 Flexible Duct, R4.2 Insulated With Metallized Outer Jacket (23 33 46)		
Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002 LF 4" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	2.93	0.44
23 33 46 00-0003 LF 5" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	3.27	0.88
23 33 46 00-0004 LF 6" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	3.82	0.88
23 33 46 00-0005 LF 7" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	4.43	0.88
23 33 46 00-0006 LF 8" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	5.31	1.32
23 33 46 00-0007 LF 10" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	6.74	1.32
23 33 46 00-0008 LF 12" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	9.10	1.76
23 33 46 00-0009 LF 14" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	11.14	1.76
23 33 46 00-0010 LF 16" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	14.34	2.20
23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper (23 33 46)		
23 33 46 00-0012 EA Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	22.30 16.11	2.64
23 33 46 00-0013 EA 5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	23.88 16.32	3.08
23 33 46 00-0014 EA 6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	27.06 18.01	3.08
23 33 46 00-0015 EA 7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	30.15 18.58	3.96
23 33 46 00-0016 EA 8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	35.97 20.98	4.84
23 33 46 00-0017 EA 10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	42.54 25.86	5.72
23 33 46 00-0018 EA 12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	47.87 27.87	6.61
23 33 46 00-0019 EA 14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	57.24 34.89	7.49
23 33 46 00-0020 EA 16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	62.40 38.17	8.37
23 33 53 Duct Liners (23 33)		
23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)		
23 33 53 00-0002 SF 1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	5.65	1.29
23 33 53 00-0003 SF 3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	6.16	1.29
23 33 53 00-0004 SF 1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	6.88	1.72
23 33 53 00-0005 SF 1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	8.47	1.72
23 33 53 00-0006 SF 2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	10.22	1.93
23 33 53 00-0007 SF 1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	5.22	1.32
23 33 53 00-0008 SF 3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	5.69	1.32
23 33 53 00-0009 SF 1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	6.39	1.76
23 33 53 00-0010 SF 1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	7.83	1.76
23 33 53 00-0011 SF 2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	9.46	1.99



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 53 00-0012			Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)		
23 33 53 00-0013	SF		1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket.....	1.60	1.05
23 33 53 00-0014	SF		1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket.....	1.78	1.19
23 33 53 00-0015	SF		1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket.....	2.46	1.19
23 33 53 00-0016	SF		1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket.....	3.29	1.19
23 33 53 00-0017	SF		1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket.....	2.66	1.32
23 33 53 00-0018	SF		2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket.....	2.82	1.45
23 33 53 00-0019	SF		2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket.....	4.62	1.45
23 33 56			Duct Air Extractors (23 33)		
23 33 56 00-0001	EA		12" x 4" Duct Air Extractor.....	38.34	7.26
			<i>For Stainless Steel, Add</i>	30.94	
23 33 56 00-0002	EA		8" x 6" Duct Air Extractor.....	39.66	7.93
			<i>For Stainless Steel, Add</i>	30.94	
23 33 56 00-0003	EA		12" x 6" Duct Air Extractor.....	49.67	8.37
			<i>For Stainless Steel, Add</i>	42.81	
23 33 56 00-0004	EA		16" x 6" Duct Air Extractor.....	59.39	8.81
			<i>For Stainless Steel, Add</i>	54.30	
23 33 56 00-0005	EA		24" x 6" Duct Air Extractor.....	88.35	9.70
			<i>For Stainless Steel, Add</i>	89.66	
23 33 56 00-0006	EA		12" x 8" Duct Air Extractor.....	54.53	8.81
			<i>For Stainless Steel, Add</i>	47.98	
23 33 56 00-0007	EA		20" x 8" Duct Air Extractor.....	75.45	11.01
			<i>For Stainless Steel, Add</i>	69.45	
23 33 56 00-0008	EA		18" x 10" Duct Air Extractor.....	77.56	12.55
			<i>For Stainless Steel, Add</i>	68.19	
23 33 56 00-0009	EA		24" x 10" Duct Air Extractor.....	97.50	14.75
			<i>For Stainless Steel, Add</i>	88.39	
23 33 56 00-0010	EA		24" x 12" Duct Air Extractor.....	108.10	17.62
			<i>For Stainless Steel, Add</i>	94.71	
23 33 56 00-0011	EA		30" x 12" Duct Air Extractor.....	135.36	22.03
			<i>For Stainless Steel, Add</i>	118.70	
23 33 59			Duct Pressure Relief Doors (23 33)		
23 33 59 00-0001			Duct Pressure Relief Doors (23 33 59)		
23 33 59 00-0002	EA		18" x 18" Duct Pressure Relief Door (Ruskin PRD18).....	654.35	13.21
23 33 59 00-0003	EA		24" x 10" Duct Pressure Relief Door (Ruskin PRD18).....	537.27	11.01
23 33 59 00-0004	EA		24" x 12" Duct Pressure Relief Door (Ruskin PRD18).....	529.65	12.12
23 34			HVAC Fans (23 30)		
23 34 13			Axial HVAC Fans (23 34)		
23 34 13 00-0001			Tube-Axial Fans (23 34 13)		
23 34 13 00-0002			Direct Drive Tube-Axial Duct Fans (23 34 13 00-0001)		
23 34 13 00-0003	EA		12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure.....	925.84	135.22
			<i>For 1/4" Static Pressure, Add</i>	52.41	
			<i>For 3/8" Static Pressure, Add</i>	104.82	
			<i>For 1/2" Static Pressure, Add</i>	144.13	
23 34 13 00-0004	EA		12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure.....	972.63	135.63
			<i>For 1/4" Static Pressure, Add</i>	56.15	
			<i>For 3/8" Static Pressure, Add</i>	112.31	
			<i>For 1/2" Static Pressure, Add</i>	154.42	
23 34 13 00-0005	EA		16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure.....	1,066.22	135.22
			<i>For 1/4" Static Pressure, Add</i>	63.64	
			<i>For 3/8" Static Pressure, Add</i>	127.28	
			<i>For 1/2" Static Pressure, Add</i>	175.01	
23 34 13 00-0006	EA		20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure.....	1,159.80	135.63
			<i>For 1/4" Static Pressure, Add</i>	71.13	
			<i>For 3/8" Static Pressure, Add</i>	142.25	
			<i>For 1/2" Static Pressure, Add</i>	195.60	
23 34 13 00-0007	EA		22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure.....	1,354.34	162.44
			<i>For 1/4" Static Pressure, Add</i>	82.36	
			<i>For 3/8" Static Pressure, Add</i>	164.72	
			<i>For 1/2" Static Pressure, Add</i>	226.48	
23 34 13 00-0008	EA		24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure.....	1,569.76	176.65
			<i>For 1/4" Static Pressure, Add</i>	97.33	
			<i>For 3/8" Static Pressure, Add</i>	194.66	
			<i>For 1/2" Static Pressure, Add</i>	267.66	
23 34 13 00-0009	EA		24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure.....	1,650.19	193.30
			<i>For 1/4" Static Pressure, Add</i>	101.08	
			<i>For 3/8" Static Pressure, Add</i>	202.15	
			<i>For 1/2" Static Pressure, Add</i>	277.96	
23 34 13 00-0010	EA		30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure.....	1,903.49	203.04
			<i>For 1/4" Static Pressure, Add</i>	119.79	
			<i>For 3/8" Static Pressure, Add</i>	239.59	
			<i>For 1/2" Static Pressure, Add</i>	329.43	
23 34 13 00-0011	EA		30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure.....	2,285.78	253.80
			<i>For 1/4" Static Pressure, Add</i>	142.25	
			<i>For 3/8" Static Pressure, Add</i>	284.51	
			<i>For 1/2" Static Pressure, Add</i>	391.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 34 13 00-0012	EA 36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure.....	2,600.38	270.86
	For 1/4" Static Pressure, Add	164.71	
	For 3/8" Static Pressure, Add	329.43	
	For 1/2" Static Pressure, Add	452.96	
23 34 13 00-0013	EA 36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure.....	3,058.03	312.28
	For 1/4" Static Pressure, Add	194.66	
	For 3/8" Static Pressure, Add	389.33	
	For 1/2" Static Pressure, Add	535.32	
23 34 13 00-0014	Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)		
23 34 13 00-0015	EA 15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure.....	874.87	131.17
	For 1/4" Static Pressure, Add	49.03	
	For 3/8" Static Pressure, Add	98.06	
	For 1/2" Static Pressure, Add	134.83	
23 34 13 00-0016	EA 15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure.....	931.99	135.63
	For 1/4" Static Pressure, Add	52.90	
	For 3/8" Static Pressure, Add	105.80	
	For 1/2" Static Pressure, Add	145.48	
23 34 13 00-0017	EA 18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure.....	962.83	140.10
	For 1/4" Static Pressure, Add	54.62	
	For 3/8" Static Pressure, Add	109.24	
	For 1/2" Static Pressure, Add	150.21	
23 34 13 00-0018	EA 18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure.....	1,023.01	144.98
	For 1/4" Static Pressure, Add	58.64	
	For 3/8" Static Pressure, Add	117.27	
	For 1/2" Static Pressure, Add	161.25	
23 34 13 00-0019	EA 18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	1,169.95	150.65
	For 1/4" Static Pressure, Add	69.53	
	For 3/8" Static Pressure, Add	139.06	
	For 1/2" Static Pressure, Add	191.21	
23 34 13 00-0020	EA 24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	1,237.07	156.34
	For 1/4" Static Pressure, Add	73.98	
	For 3/8" Static Pressure, Add	147.95	
	For 1/2" Static Pressure, Add	203.43	
23 34 13 00-0021	EA 24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	1,400.11	162.44
	For 1/4" Static Pressure, Add	86.02	
	For 3/8" Static Pressure, Add	172.04	
	For 1/2" Static Pressure, Add	236.55	
23 34 13 00-0022	EA 24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	1,605.45	162.44
	For 1/4" Static Pressure, Add	102.49	
	For 3/8" Static Pressure, Add	204.98	
	For 1/2" Static Pressure, Add	281.84	
23 34 13 00-0023	EA 30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	1,875.75	176.65
	For 1/4" Static Pressure, Add	121.86	
	For 3/8" Static Pressure, Add	243.72	
	For 1/2" Static Pressure, Add	335.12	
23 34 13 00-0024	EA 30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	2,218.62	214.00
	For 1/4" Static Pressure, Add	143.36	
	For 3/8" Static Pressure, Add	286.73	
	For 1/2" Static Pressure, Add	394.25	
23 34 13 00-0025	EA 30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure.....	2,563.54	214.00
	For 1/4" Static Pressure, Add	170.81	
	For 3/8" Static Pressure, Add	341.63	
	For 1/2" Static Pressure, Add	469.74	
23 34 13 00-0026	EA 36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure.....	2,835.29	225.78
	For 1/4" Static Pressure, Add	190.73	
	For 3/8" Static Pressure, Add	381.45	
	For 1/2" Static Pressure, Add	524.50	
23 34 13 00-0027	EA 36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	3,107.34	238.78
	For 1/4" Static Pressure, Add	210.46	
	For 3/8" Static Pressure, Add	420.92	
	For 1/2" Static Pressure, Add	578.76	
23 34 13 00-0028	EA 36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	3,490.13	312.28
	For 1/4" Static Pressure, Add	229.38	
	For 3/8" Static Pressure, Add	458.77	
	For 1/2" Static Pressure, Add	630.81	
23 34 13 00-0029	EA 36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure.....	4,039.12	312.68
	For 1/4" Static Pressure, Add	273.30	
	For 3/8" Static Pressure, Add	546.61	
	For 1/2" Static Pressure, Add	751.58	
23 34 13 00-0030	EA 42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure.....	4,542.11	369.05
	For 1/4" Static Pressure, Add	304.52	
	For 3/8" Static Pressure, Add	609.03	
	For 1/2" Static Pressure, Add	837.42	

23 34 16 Centrifugal HVAC Fans (23 34)

23 34 16 00-0001	Centrifugal Fans (23 34 16) Note: All belt fans to be supplied with belt guard.		
23 34 16 00-0002	Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001) Note: V-belt driven.		
23 34 16 00-0003	Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002) Note: Under 30" diameter wheel.		
23 34 16 00-0004	12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0005	EA 1/6 HP Centrifugal Fan, 12-1/4" Wheel, 450 - 1,750 CFM At 1/8" Static Pressure.....	1,101.43	89.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0006 EA 1/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,687.32	92.59
23 34 16 00-0007 EA 1/3 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,729.33	73.78
23 34 16 00-0008 EA 1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,807.92	101.12
23 34 16 00-0009 EA 3/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,841.21	107.21
23 34 16 00-0010 EA 1 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,896.98	111.67
23 34 16 00-0011 EA 1-1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,944.59	118.98
23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0013 EA 1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,972.79	97.46
23 34 16 00-0014 EA 1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,002.70	101.12
23 34 16 00-0015 EA 1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,060.57	107.21
23 34 16 00-0016 EA 3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,091.66	111.67
23 34 16 00-0017 EA 1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,151.62	118.98
23 34 16 00-0018 EA 1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,216.80	124.67
23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0020 EA 1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,978.37	101.12
23 34 16 00-0021 EA 1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,011.90	107.21
23 34 16 00-0022 EA 1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,067.33	111.67
23 34 16 00-0023 EA 3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,102.94	118.98
23 34 16 00-0024 EA 1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,160.02	124.67
23 34 16 00-0025 EA 1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,235.00	134.01
23 34 16 00-0026 EA 2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,294.36	140.91
23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0028 EA 1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,291.75	107.21
23 34 16 00-0029 EA 1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,372.46	111.67
23 34 16 00-0030 EA 1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,454.32	118.98
23 34 16 00-0031 EA 3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,492.50	124.67
23 34 16 00-0032 EA 1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,536.44	134.01
23 34 16 00-0033 EA 1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,576.91	140.91
23 34 16 00-0034 EA 2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,872.40	153.10
23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0036 EA 1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,365.43	111.67
23 34 16 00-0037 EA 1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,407.12	118.98
23 34 16 00-0038 EA 1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,476.38	124.67
23 34 16 00-0039 EA 3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,514.87	134.01
23 34 16 00-0040 EA 1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,586.39	140.91
23 34 16 00-0041 EA 1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,689.89	153.10
23 34 16 00-0042 EA 2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,752.62	162.44
23 34 16 00-0043 EA 3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,838.76	178.68
23 34 16 00-0044 20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0045 EA 1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,370.63	118.98
23 34 16 00-0046 EA 1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,439.86	124.67
23 34 16 00-0047 EA 1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,514.87	134.01
23 34 16 00-0048 EA 3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,586.39	140.91
23 34 16 00-0049 EA 1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,726.39	153.10
23 34 16 00-0050 EA 1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,945.55	162.44
23 34 16 00-0051 EA 2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,069.26	178.68
23 34 16 00-0052 EA 3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,210.28	191.26
23 34 16 00-0053 22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0054 EA 1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,906.29	124.67
23 34 16 00-0055 EA 1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,939.07	134.01
23 34 16 00-0056 EA 1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,002.10	140.91
23 34 16 00-0057 EA 3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,071.14	153.10
23 34 16 00-0058 EA 1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,183.53	162.44
23 34 16 00-0059 EA 1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,180.77	178.68
23 34 16 00-0060 EA 2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,234.61	191.26
23 34 16 00-0061 EA 3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,330.24	214.41
23 34 16 00-0062 24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0063 EA 1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,545.05	134.01
23 34 16 00-0064 EA 1/3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,614.62	153.10
23 34 16 00-0065 EA 3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,713.85	162.44
23 34 16 00-0066 EA 1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,799.30	178.68
23 34 16 00-0067 EA 1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,879.48	191.26
23 34 16 00-0068 EA 2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,914.29	214.41
23 34 16 00-0069 EA 3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,003.38	233.09
23 34 16 00-0070 EA 5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,238.84	268.01

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0071			27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0072	EA		1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,951.18	140.91
23 34 16 00-0073	EA		1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,018.05	162.44
23 34 16 00-0074	EA		3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,103.48	178.68
23 34 16 00-0075	EA		1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,183.68	191.26
23 34 16 00-0076	EA		1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,279.31	214.41
23 34 16 00-0077	EA		2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,368.03	233.09
23 34 16 00-0078	EA		3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,629.35	268.01
23 34 16 00-0079	EA		5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,588.16	297.66
23 34 16 00-0080			Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002) Note: Over 30" diameter wheel.		
23 34 16 00-0081			30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0082	EA		1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,594.02	178.68
23 34 16 00-0083	EA		3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,669.42	191.26
23 34 16 00-0084	EA		1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,775.93	214.41
23 34 16 00-0085	EA		1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,876.81	233.09
23 34 16 00-0086	EA		2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	6,003.15	268.01
23 34 16 00-0087	EA		3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	6,121.27	297.66
23 34 16 00-0088	EA		5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	6,284.53	357.36
23 34 16 00-0089	EA		7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	6,438.91	412.18
23 34 16 00-0090			33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0091	EA		1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,617.19	191.26
23 34 16 00-0092	EA		3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,773.66	214.41
23 34 16 00-0093	EA		1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,923.60	233.09
23 34 16 00-0094	EA		1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,098.24	268.01
23 34 16 00-0095	EA		2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,265.04	297.66
23 34 16 00-0096	EA		3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,476.95	357.36
23 34 16 00-0097	EA		5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,749.13	412.18
23 34 16 00-0098	EA		7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,991.03	536.04
23 34 16 00-0099			36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0100	EA		1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	5,310.49	214.41
23 34 16 00-0101	EA		3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	5,338.74	233.09
23 34 16 00-0102	EA		1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	5,391.70	268.01
23 34 16 00-0103	EA		1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	5,461.35	297.66
23 34 16 00-0104	EA		2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	6,148.96	357.36
23 34 16 00-0105	EA		3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	6,335.61	412.18
23 34 16 00-0106	EA		5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	6,629.90	536.04
23 34 16 00-0107	EA		7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	6,939.80	670.04
23 34 16 00-0108			Kitchen System Fans (23 34 16 00-0001)		
23 34 16 00-0109			Upblast Kitchen Exhaust Fans (23 34 16 00-0108)		
23 34 16 00-0110			Direct Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109) Note: Greenheck CUE.		
23 34 16 00-0111	EA		Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan.....	709.84	52.79
			Note: 115V. For roof or wall installations. Includes disconnect switch.		
			For Bird Screen, Add	34.23	
			For Backdraft Damper, Add	62.25	
			For Damper Motor, Add	102.33	
23 34 16 00-0112	EA		14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan.....	845.84	52.79
			Note: 115V. For roof or wall installations. Includes disconnect switch.		
			For Bird Screen, Add	34.23	
			For Backdraft Damper, Add	62.25	
			For Damper Motor, Add	102.33	
23 34 16 00-0113			Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109) Note: Greenheck CUBE.		
23 34 16 00-0114	EA		10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,275.37	52.79
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	34.23	
			For Wall Mounted Fan, Add	51.01	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	99.43	
			For Backdraft Damper, Add	62.25	
			For Damper Motor, Add	102.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0115	EA		12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,334.39	52.79
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	34.23	
			For Wall Mounted Fan, Add	53.38	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	104.45	
			For Backdraft Damper, Add	62.25	
			For Damper Motor, Add	102.33	
23 34 16 00-0116	EA		14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,122.81	60.91
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	38.95	
			For Wall Mounted Fan, Add	44.91	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	85.08	
			For Backdraft Damper, Add	70.70	
			For Damper Motor, Add	102.33	
23 34 16 00-0117	EA		14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,207.80	60.91
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	38.95	
			For Wall Mounted Fan, Add	48.31	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	92.31	
			For Backdraft Damper, Add	70.70	
			For Damper Motor, Add	102.33	
23 34 16 00-0118	EA		16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,544.45	71.06
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	38.95	
			For Wall Mounted Fan, Add	61.78	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	119.20	
			For Backdraft Damper, Add	70.70	
			For Damper Motor, Add	102.33	
23 34 16 00-0119	EA		16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,635.34	71.06
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	38.95	
			For Wall Mounted Fan, Add	65.41	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	126.92	
			For Backdraft Damper, Add	70.70	
			For Damper Motor, Add	102.33	
23 34 16 00-0120	EA		18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,783.59	76.14
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	64.92	
			For Wall Mounted Fan, Add	71.34	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	138.66	
			For Backdraft Damper, Add	88.79	
			For Damper Motor, Add	102.33	
23 34 16 00-0121	EA		18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,925.24	76.14
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	64.92	
			For Wall Mounted Fan, Add	77.01	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	150.70	
			For Backdraft Damper, Add	88.79	
			For Damper Motor, Add	102.33	
23 34 16 00-0122	EA		20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,951.93	81.21
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	64.92	
			For Wall Mounted Fan, Add	78.08	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	152.11	
			For Backdraft Damper, Add	88.79	
			For Damper Motor, Add	102.33	
23 34 16 00-0123	EA		20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,151.41	81.21
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	64.92	
			For Wall Mounted Fan, Add	86.06	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	169.06	
			For Backdraft Damper, Add	88.79	
			For Damper Motor, Add	102.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0124	EA		24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,480.97	91.37
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	76.73	
			For Wall Mounted Fan, Add	99.24	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	195.35	
			For Backdraft Damper, Add	96.17	
			For Damper Motor, Add	102.33	
23 34 16 00-0125	EA		24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,663.93	91.37
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	76.73	
			For Wall Mounted Fan, Add	106.56	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	210.90	
			For Backdraft Damper, Add	96.17	
			For Damper Motor, Add	102.33	
23 34 16 00-0126	EA		30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,167.02	101.52
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	82.63	
			For Wall Mounted Fan, Add	126.68	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	251.94	
			For Backdraft Damper, Add	106.75	
			For Damper Motor, Add	102.33	
23 34 16 00-0127	EA		30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,227.22	101.52
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	82.63	
			For Wall Mounted Fan, Add	129.09	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	257.06	
			For Backdraft Damper, Add	106.75	
			For Damper Motor, Add	102.33	
23 34 16 00-0128	EA		30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,532.95	101.52
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	82.63	
			For Wall Mounted Fan, Add	141.32	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	283.04	
			For Backdraft Damper, Add	106.75	
			For Damper Motor, Add	102.33	
23 34 16 00-0129	EA		30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,680.50	101.52
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	82.63	
			For Wall Mounted Fan, Add	147.22	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	295.58	
			For Backdraft Damper, Add	106.75	
			For Damper Motor, Add	102.33	
23 34 16 00-0130	EA		36" Diameter Wheel, 3 HP, 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	4,052.74	111.67
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	94.43	
			For Wall Mounted Fan, Add	162.11	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	325.50	
			For Damper Motor, Add	102.33	
			For Backdraft Damper, Add	126.04	
23 34 16 00-0131	EA		36" Diameter Wheel, 5 HP, 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	4,222.43	111.67
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	94.43	
			For Wall Mounted Fan, Add	168.90	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	339.92	
			For Damper Motor, Add	102.33	
			For Backdraft Damper, Add	126.04	
23 34 16 00-0132	EA		42" Diameter Wheel, 3 HP, 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	4,247.50	121.83
			Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	94.43	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	340.33	
			For Damper Motor, Add	102.33	
			For Backdraft Damper, Add	146.85	
23 34 16 00-0133	EA		42" Diameter Wheel, 7-1/2 HP, 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	4,620.03	121.83
			Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	94.43	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	371.99	
			For Damper Motor, Add	102.33	
			For Backdraft Damper, Add	146.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans (23 34 16 00-0108) Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0136 EA 7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan 879.59	879.59	52.79
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	142.49	
23 34 16 00-0137 EA 8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan 928.59	928.59	52.79
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	149.84	
23 34 16 00-0138 EA 9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan 988.72	988.72	52.79
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	158.86	
23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0140 EA 9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan 1,012.04	1,012.04	52.79
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	162.35	
23 34 16 00-0141 EA 10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan 1,115.33	1,115.33	71.06
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	181.51	
23 34 16 00-0142 EA 12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan 1,351.74	1,351.74	81.21
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	219.01	
23 34 16 00-0143 EA 15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan 1,555.09	1,555.09	101.52
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	253.57	
23 34 16 00-0144 EA 18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan 1,883.62	1,883.62	121.83
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	306.91	
23 34 16 00-0145 Replacement Parts (23 34 16 00-0001)		
23 34 16 00-0146 Replace Belts And Accessories (23 34 16 00-0145)		
23 34 16 00-0147 EA Fan Shaft Bearing, Replacement..... 351.59	351.59	148.59
23 34 16 00-0148 EA Fan Belt, Replacement 62.08	62.08	20.15
23 34 16 00-0149 Corrosive Fume Resistant Plastic (23 34 16 00-0001)		
23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)		
23 34 16 00-0151 EA 250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... 3,481.11	3,481.11	73.35
<i>For Explosion Proof Motor, Add</i>	500.16	
23 34 16 00-0152 EA 895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... 3,770.45	3,770.45	88.11
<i>For Explosion Proof Motor, Add</i>	539.13	
23 34 16 00-0153 EA 1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... 4,464.07	4,464.07	110.13
<i>For Explosion Proof Motor, Add</i>	636.57	
23 34 16 00-0154 EA 2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... 4,754.19	4,754.19	146.92
<i>For Explosion Proof Motor, Add</i>	669.05	
23 34 16 00-0155 EA 3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... 5,377.22	5,377.22	220.28
<i>For Explosion Proof Motor, Add</i>	740.50	
23 34 16 00-0156 EA 11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... 9,195.47	9,195.47	440.56
<i>For Explosion Proof Motor, Add</i>	1,247.16	
23 34 16 00-0157 EA 18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... 13,427.95	13,427.95	629.77
<i>For Explosion Proof Motor, Add</i>	1,825.26	
23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)		
23 34 16 00-0159 EA 1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic 3,481.11	3,481.11	73.35
<i>For Explosion Proof Motor, Add</i>	500.16	
23 34 16 00-0160 EA 1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic 3,553.93	3,553.93	88.11
<i>For Explosion Proof Motor, Add</i>	506.66	
23 34 16 00-0161 EA 1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic 3,597.99	3,597.99	110.13
<i>For Explosion Proof Motor, Add</i>	506.66	
23 34 16 00-0162 EA 2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic 3,671.59	3,671.59	146.92
<i>For Explosion Proof Motor, Add</i>	506.66	
23 34 16 00-0163 EA 3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic 5,030.78	5,030.78	220.28
<i>For Explosion Proof Motor, Add</i>	688.53	
23 34 16 00-0164 EA 4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic 5,140.91	5,140.91	275.34
<i>For Explosion Proof Motor, Add</i>	688.53	
23 34 16 00-0165 EA 4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic 5,220.37	5,220.37	315.08
<i>For Explosion Proof Motor, Add</i>	688.53	
23 34 16 00-0166 EA 6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic 5,337.65	5,337.65	330.41
<i>For Explosion Proof Motor, Add</i>	701.52	
23 34 16 00-0167 EA 7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic 5,454.39	5,454.39	367.11
<i>For Explosion Proof Motor, Add</i>	708.02	
23 34 16 00-0168 In-Line Duct Fans (23 34 16 00-0001)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 34 16 00-0169	Direct Drive In-Line Duct Fans (23 34 16 00-0168) Note: Greenheck SQ.		
23 34 16 00-0170	EA Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	972.62	52.79
23 34 16 00-0171	EA 13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	1,263.04	56.85
23 34 16 00-0172	EA 14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	1,387.72	60.91
23 34 16 00-0173	Belt Drive In-Line Duct Fans (23 34 16 00-0168) Note: Greenheck BSQ.		
23 34 16 00-0174	EA Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	1,455.15	60.91
	<i>For 3 Phase Motor, Deduct</i>	-50.00	
	<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0175	EA 13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	1,670.43	71.06
	<i>For 3 Phase Motor, Deduct</i>	-50.00	
	<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0176	EA 13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	1,895.46	71.06
	<i>For 3 Phase Motor, Deduct</i>	-50.00	
	<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0177	EA 13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,086.77	71.06
	<i>For 3 Phase Motor, Deduct</i>	-50.00	
	<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0178	EA 16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,009.60	81.21
	<i>For 3 Phase Motor, Deduct</i>	-50.00	
	<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0179	EA 16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,333.58	81.21
	<i>For 3 Phase Motor, Deduct</i>	-50.00	
	<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0180	EA 24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,973.03	101.52
	<i>For 3 Phase Motor, Deduct</i>	-50.00	
	<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0181	EA 24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	3,151.88	101.52
	<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0182	EA 24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: Belt drive. 230/460/60/3. Includes disconnect switch.	3,277.96	101.52
	<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0183	EA 30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	3,782.63	121.83
	<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0184	EA 30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	3,933.11	121.83
	<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0185	EA 30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	4,118.03	121.83
	<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0186	In-Line Cabinet Fans (23 34 16 00-0001)		
23 34 16 00-0187	EA 950 CFM, 80 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	227.65	35.54
23 34 16 00-0188	EA 1,050 CFM, 129 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	244.13	35.54
23 34 16 00-0189	EA 1,100 CFM, 173 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	266.50	35.54
23 34 16 00-0190	EA 950 CFM, 48.7 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	265.33	35.54
23 34 16 00-0191	EA 1,100 CFM, 52.5 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	265.33	35.54
23 34 16 00-0192	EA 1,400 CFM, 100 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	300.65	35.54
23 34 16 00-0193	EA 900 CFM, 48.2 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	368.29	37.56
23 34 16 00-0194	EA 1,000 CFM, 82.7 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	305.89	37.56
23 34 16 00-0195	EA 1,050 CFM, 80.7 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	329.44	37.56
23 34 16 00-0196	EA 1,350 CFM, 140 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	344.75	37.56
23 34 16 00-0197	EA 1,000 CFM, 135 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	362.41	37.56
23 34 16 00-0198	EA 1,070 CFM, 217 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	362.41	37.56
23 34 16 00-0199	EA 1,100 CFM, 350 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	621.96	39.59
23 34 16 00-0200	EA 1,080 CFM, 325 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	514.82	39.59
23 34 16 00-0201	EA 1,600 CFM, 405 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	514.82	39.59
23 34 16 00-0202	EA 950 CFM, 328 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	716.14	39.59
23 34 16 00-0203	EA 1,095 CFM, 455 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	716.14	39.59
23 34 16 00-0204	EA 1,450 CFM, 822 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	716.14	39.59
23 34 16 00-0205	EA 1,610 CFM, 830 Watts, Direct Drive In-Line Cabinet Fan Note: 115V. Includes disconnect switch.	783.25	39.59
23 34 16 00-0206	Propeller And Ceiling Fans (23 34 16)		
23 34 16 00-0207	Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0206) Note: Greenheck SE1.		
23 34 16 00-0208	EA 1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	356.81	43.46
	<i>For Backdraft Damper, Add</i>	73.18	
	<i>For Wall Mount Collar, Add</i>	154.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0209 EA 1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard. For Backdraft Damper, Add For Wall Mount Collar, Add	374.81 78.41 154.16	48.32
23 34 16 00-0210 EA 1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard. For Backdraft Damper, Add For Wall Mount Collar, Add	414.88 85.79 158.10	53.60
23 34 16 00-0211 EA 1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	632.04 102.80 160.87 136.27	59.29
23 34 16 00-0212 EA 1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	648.61 102.80 164.82 144.94	65.78
23 34 16 00-0213 EA 1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	730.32 125.17 168.77 153.61	73.09
23 34 16 00-0214 EA 1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	836.80 125.17 171.54 165.81	81.21
23 34 16 00-0215 Belt Drive Propeller Exhaust Fans (23 34 16 00-0206) Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0216 EA 24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter.....	1,273.47	116.14
23 34 16 00-0217 EA 30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter.....	1,455.28	135.22
23 34 16 00-0218 EA 36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter.....	1,639.30	162.44
23 34 16 00-0219 EA 42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter.....	2,312.58	203.04
23 34 16 00-0220 EA 48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter.....	2,721.80	270.86
23 34 16 00-0221 EA 54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter.....	3,741.46	406.08
23 34 16 00-0222 EA 60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter.....	4,447.67	520.60
23 34 16 00-0223 Propeller Exhaust Fan Accessories (23 34 16 00-0206)		
23 34 16 00-0224 SF Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening).....	64.01	
23 34 16 00-0225 SF Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening).....	150.10	
23 34 16 00-0226 Reversible Ceiling Fans (23 34 16 00-0206)		
23 34 16 00-0227 4 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0228 EA 42" 4-Blade Ceiling Fan, Three Speed For Brass Plated Motor, Add For Light Kit, Add	299.68 20.25 25.42	25.33
23 34 16 00-0229 5 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0230 EA 42" 5-Blade Ceiling Fan, Three Speed For Brass Plated Motor, Add For Light Kit, Add	329.13 20.25 25.45	62.69
23 34 16 00-0231 EA 52" 5-Blade Ceiling Fan, Three Speed For Brass Plated Motor, Add For Light Kit, Add	376.82 20.25 25.50	62.69
23 34 16 00-0232 3 Blade Weatherproof Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0233 EA 3-Blade Ceiling Fan, Weatherproof, Three Speed	299.73	20.11
23 34 16 00-0234 Exhaust Fans (23 34 16)		
23 34 16 00-0235 Exhaust Fans (23 34 16 00-0234) Note: Excludes ducting.		
23 34 16 00-0236 Light Duty Exhaust Fans (23 34 16 00-0235)		
23 34 16 00-0237 Light Duty Exhaust Fans (23 34 16 00-0235)		
23 34 16 00-0238 EA 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan (Broan® 670).....	70.25	20.47
23 34 16 00-0239 EA 70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan (Broan® 671).....	75.14	20.47
23 34 16 00-0240 EA 180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan (Broan® 505).....	133.90	20.47
23 34 16 00-0241 EA 350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan (Broan® 504).....	173.20	20.47
23 34 16 00-0242 EA 160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan (Broan® 503).....	153.25	20.47
23 34 16 00-0243 EA 270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan (Broan® 502).....	209.04	20.47
23 34 16 00-0244 Light Duty Exhaust Fans With Lights (23 34 16 00-0235)		
23 34 16 00-0245 EA 50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678).....	96.43	20.47
23 34 16 00-0246 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679).....	108.69	20.47
23 34 16 00-0247 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680).....	216.53	20.47
23 34 16 00-0248 Light Duty Exhaust Fans With Heaters (23 34 16 00-0235)		
23 34 16 00-0249 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....	99.08	20.47

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0250 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....	166.33	20.47
23 34 16 00-0251 Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0236)		
23 34 16 00-0252 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655).....	177.98	20.47
23 34 16 00-0253 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL).....	278.07	20.47
23 34 16 00-0254 Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0235)		
23 34 16 00-0255 Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0254)		
Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0256 EA 50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50).....	117.60	20.47
23 34 16 00-0257 EA 80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80).....	131.65	20.47
23 34 16 00-0258 EA 109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG).....	253.30	20.47
23 34 16 00-0259 EA 157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG).....	259.81	20.47
23 34 16 00-0260 EA 210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG).....	280.08	20.47
23 34 16 00-0261 EA 259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG).....	293.03	20.47
23 34 16 00-0262 EA 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG).....	298.05	20.47
23 34 16 00-0263 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400).....	343.30	20.47
23 34 16 00-0264 EA 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500).....	393.22	20.47
23 34 16 00-0265 EA 701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700).....	421.65	20.47
23 34 16 00-0266 EA 901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900).....	504.70	20.47
23 34 16 00-0267 EA 1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500).....	652.64	20.47
23 34 16 00-0268 Heavy Duty/Continuous Operation Kitchen Exhaust Fans (23 34 16 00-0254)		
Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0269 EA 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG).....	263.60	20.47
23 34 16 00-0270 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K).....	389.48	20.47
23 34 16 00-0271 EA 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K).....	412.80	20.47
23 34 16 00-0272 Heavy Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0254)		
23 34 16 00-0273 EA 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L).....	129.11	20.47
23 34 16 00-0274 EA 80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L).....	142.31	20.47
23 34 16 00-0275 Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0254)		
23 34 16 00-0276 EA 50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF).....	134.91	20.47
23 34 16 00-0277 EA 80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF).....	143.64	20.47
23 34 16 00-0278 EA 110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF).....	147.86	20.47
23 34 16 00-0279 Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans (23 34 16 00-0235)		
23 34 16 00-0280 EA 900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900).....	702.41	20.47
23 34 16 00-0281 EA 1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050).....	702.41	20.47
23 34 16 00-0282 EA 1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410).....	702.41	20.47
23 34 16 00-0283 EA 1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550).....	772.28	20.47
23 34 16 00-0284 Room-To-Room Exhaust Fans (23 34 16 00-0235)		
23 34 16 00-0285 EA 90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512).....	93.13	20.47
23 34 16 00-0286 EA 180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511).....	164.50	20.47
23 34 16 00-0287 EA 380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510).....	190.50	20.47
23 34 16 00-0288 Through-Wall Exhaust Fans (23 34 16 00-0235)		
23 34 16 00-0289 EA 250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507).....	176.91	20.47
23 34 16 00-0290 EA 470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506).....	212.75	20.47
23 34 16 00-0291 EA 180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509).....	152.26	20.47
23 34 16 00-0292 EA 270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508).....	209.04	20.47
23 34 16 00-0293 EA 360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C).....	377.15	20.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0294 Exhaust Fan Accessories (23 34 16 00-0235)		
23 34 16 00-0295 Exhaust Fan Controls (23 34 16 00-0294)		
23 34 16 00-0296 EA Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	96.05	12.79
23 34 16 00-0297 EA 60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....	64.34	12.79
23 34 16 00-0298 EA 60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	65.09	12.79
23 34 16 00-0299 Roof And Wall Caps For Exhaust Fans (23 34 16 00-0294)		
23 34 16 00-0300 Wall Caps For Exhaust Fans (23 34 16 00-0299)		
23 34 16 00-0301 EA Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613).....	142.01	22.03
23 34 16 00-0302 EA Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643).....	144.51	22.03
23 34 16 00-0303 Roof Caps For Exhaust Fans (23 34 16 00-0299)		
Note: Includes flashing and built in bird screen.		
23 34 16 00-0304 EA Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	116.25	22.03
23 34 16 00-0305 EA Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	181.07	22.03
23 34 16 00-0306 EA CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	66.43	22.03
23 34 16 00-0307 EA CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	85.87	22.03
23 34 16 00-0308 Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0235)		
Note: Includes storage and cleaning.		
23 34 16 00-0309 EA Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	30.46	
23 34 23 HVAC Power Ventilators (23 34)		
23 34 23 00-0001 Power Roof Ventilators (23 34 23)		
23 34 23 00-0002 Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
Note: Greenheck G.		
23 34 23 00-0003 EA 1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	411.52	58.07
Note: Three speed motor.		
For 12" Roof Curb, Add	99.63	
For Backdraft Damper, Add	58.08	
For Solid State Speed Control, Add	55.19	
For Damper Motor, Add	102.33	
23 34 23 00-0004 EA 1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	462.46	65.78
Note: Three speed motor.		
For 12" Roof Curb, Add	99.63	
For Backdraft Damper, Add	58.08	
For Solid State Speed Control, Add	55.19	
For Damper Motor, Add	102.33	
23 34 23 00-0005 EA 1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	692.40	76.75
For 12" Roof Curb, Add	103.17	
For Backdraft Damper, Add	62.25	
For Solid State Speed Control, Add	55.19	
For Damper Motor, Add	102.33	
23 34 23 00-0006 EA 1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	718.50	86.50
For 12" Roof Curb, Add	103.17	
For Backdraft Damper, Add	62.25	
For Solid State Speed Control, Add	55.19	
For Damper Motor, Add	102.33	
23 34 23 00-0007 EA 1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	925.59	95.43
For Solid State Speed Control, Add	55.19	
For Damper Motor, Add	102.33	
23 34 23 00-0008 EA 1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,037.26	101.52
For 12" Roof Curb, Add	109.07	
For Backdraft Damper, Add	70.70	
For Solid State Speed Control, Add	91.79	
For Damper Motor, Add	102.33	
23 34 23 00-0009 Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
Note: Greenheck GB.		
23 34 23 00-0010 EA 1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	881.12	86.50
For 12" Roof Curb, Add	103.17	
For Backdraft Damper, Add	62.25	
For Damper Motor, Add	102.33	
23 34 23 00-0011 EA 1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	967.89	110.05
For 12" Roof Curb, Add	109.07	
For Backdraft Damper, Add	70.70	
For Damper Motor, Add	102.33	
23 34 23 00-0012 EA 1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,351.60	131.17
For 12" Roof Curb, Add	109.07	
For Backdraft Damper, Add	70.70	
For Damper Motor, Add	102.33	
23 34 23 00-0013 EA 3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,734.89	162.44
For 12" Roof Curb, Add	137.40	
For Backdraft Damper, Add	88.79	
For Damper Motor, Add	102.33	
23 34 23 00-0014 EA 1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	2,314.64	203.04
For 12" Roof Curb, Add	150.39	
For Backdraft Damper, Add	96.17	
For Damper Motor, Add	102.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0015 EA 1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,011.24	253.80
For 12" Roof Curb, Add	170.45	
For Backdraft Damper, Add	106.75	
For Damper Motor, Add	102.33	
23 34 23 00-0016 EA 2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,039.57	253.80
For 12" Roof Curb, Add	170.45	
For Backdraft Damper, Add	106.75	
For Damper Motor, Add	102.33	
23 34 23 00-0017 EA 3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,345.29	253.80
For 12" Roof Curb, Add	170.45	
For Backdraft Damper, Add	106.75	
For Damper Motor, Add	102.33	
23 34 23 00-0018 EA 5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,432.90	253.80
For 12" Roof Curb, Add	170.45	
For Backdraft Damper, Add	106.75	
For Damper Motor, Add	102.33	
23 34 23 00-0019 Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001)		
Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020 EA 30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	4,433.13	312.28
23 34 23 00-0021 EA 36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	7,418.63	405.96
23 34 23 00-0022 Belt Drive Supply Fans (23 34 23 00-0001)		
23 34 23 00-0023 EA 4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	1,695.32	162.15
23 34 23 00-0024 EA 10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	2,314.72	203.00
23 34 23 00-0025 Fan Thermostat (23 34 23 00-0001)		
23 34 23 00-0026 EA 50 To 120 Degree Line Voltage Fan Thermostat.....	72.32	
23 34 23 00-0027 Power Wall Ventilators (23 34 23)		
23 34 23 00-0028 Centrifugal Sidewall Exhausters (23 34 23 00-0027)		
23 34 23 00-0029 Direct Drive, Aluminum, Centrifugal Sidewall Exhauster (23 34 23 00-0028)		
Note: Greenheck CW.		
23 34 23 00-0030 EA 1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	486.11	65.38
For Solid State Speed Control, Add	91.79	
For Backdraft Damper, Add	81.84	
For Damper Motor, Add	177.60	
For Interior Wall Grill, Add	74.89	
23 34 23 00-0031 EA 1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	554.61	76.75
For Solid State Speed Control, Add	91.79	
For Backdraft Damper, Add	90.30	
For Damper Motor, Add	177.60	
For Interior Wall Grill, Add	89.46	
23 34 23 00-0032 EA 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	891.11	86.50
For Solid State Speed Control, Add	91.79	
For Backdraft Damper, Add	101.95	
For Damper Motor, Add	177.60	
For Interior Wall Grill, Add	104.03	
23 34 23 00-0033 Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028)		
Note: Greenheck CWB.		
23 34 23 00-0034 EA 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,390.34	48.90
For Solid State Speed Control, Add	91.79	
For Backdraft Damper, Add	93.91	
For Damper Motor, Add	177.60	
For Interior Wall Grill, Add	159.91	
23 34 23 00-0035 EA 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,464.05	55.07
For Solid State Speed Control, Add	91.79	
For Backdraft Damper, Add	93.91	
For Damper Motor, Add	177.60	
For Interior Wall Grill, Add	159.91	
23 34 23 00-0036 EA 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,804.53	63.00
For Solid State Speed Control, Add	91.79	
For Backdraft Damper, Add	118.13	
For Damper Motor, Add	177.60	
For Interior Wall Grill, Add	186.29	
23 34 33 Air Curtains (23 34)		
23 34 33 00-0001 Unheated Air Curtains For Entrances (23 34 33)		
23 34 33 00-0002 Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0003 EA Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated.....	1,367.98	297.66
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	301.62	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	224.06	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	344.71	
For Flat Side Extension Plates, Add	130.94	
For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0004 EA Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated.....	1,394.94	297.66
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	301.62	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	224.06	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	344.71	
For Flat Side Extension Plates, Add	130.94	
For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0005 EA Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated.....	1,424.15	297.66
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	301.62	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	224.06	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	344.71	
For Flat Side Extension Plates, Add	130.94	
For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0006 EA Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	1,907.26	297.66
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	301.62	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	224.06	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	344.71	
For Flat Side Extension Plates, Add	130.94	
For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0007 EA Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	2,127.83	357.36
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	301.62	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	224.06	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	344.71	
For Flat Side Extension Plates, Add	130.94	
For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0008 EA Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	2,296.36	357.36
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	301.62	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	224.06	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	344.71	
For Flat Side Extension Plates, Add	130.94	
For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0009 EA Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	2,514.47	412.18
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	301.62	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	224.06	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	344.71	
For Flat Side Extension Plates, Add	130.94	
For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0010 EA Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	3,187.44	412.18
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	301.62	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	224.06	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	344.71	
For Flat Side Extension Plates, Add	130.94	
For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0011 EA Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....	3,272.83	412.18
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	301.62	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	224.06	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	344.71	
For Flat Side Extension Plates, Add	130.94	
For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....	3,499.78	412.18
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	301.62	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	224.06	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	344.71	
		For Flat Side Extension Plates, Add	130.94	
		For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0013		Unheated Air Curtains, High Velocity (23 34 33 00-0001)		
23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated.....	1,815.13	297.66
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	261.89	
		For Flat Side Extension Plates, Add	130.94	
		For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated.....	1,849.96	297.66
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	261.89	
		For Flat Side Extension Plates, Add	130.94	
		For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated.....	1,864.56	297.66
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	261.89	
		For Flat Side Extension Plates, Add	130.94	
		For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated.....	1,892.65	297.66
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	261.89	
		For Flat Side Extension Plates, Add	130.94	
		For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated.....	3,152.46	357.36
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	261.89	
		For Flat Side Extension Plates, Add	130.94	
		For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated.....	3,325.48	357.36
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	261.89	
		For Flat Side Extension Plates, Add	130.94	
		For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated.....	3,479.55	412.18
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	261.89	
		For Flat Side Extension Plates, Add	130.94	
		For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated.....	4,078.38	412.18
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	261.89	
		For Flat Side Extension Plates, Add	130.94	
		For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated.....	4,141.30	412.18
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	261.89	
		For Flat Side Extension Plates, Add	130.94	
		For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0023	EA		High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,386.22 110.80 261.89 130.94 261.89 314.27 331.72	412.18
23 34 33 00-0024			Service Window Unheated Air Curtains (23 34 33 00-0001) Note: Normal window sizes.		
23 34 33 00-0025	EA		Air Curtain For 2.5' x 5' Service Window, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	1,028.57 110.80 130.94 261.89 314.27 331.72	234.72
23 34 33 00-0026			Heated Air Curtains For Entrances (23 34 33) Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA		60" Heated Air Curtain With 1- 300 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,857.11 110.80 130.94 261.89 314.27 331.72	262.13
23 34 33 00-0028	EA		60" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,168.14 110.80 130.94 261.89 314.27 331.72	262.13
23 34 33 00-0029	EA		72" Heated Air Curtain With 1- 350 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,428.27 110.80 130.94 261.89 314.27 331.72	314.51
23 34 33 00-0030	EA		72" Heated Air Curtain With 2- 250 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,801.50 110.80 130.94 261.89 314.27 331.72	314.51
23 34 33 00-0031	EA		96" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,570.69 110.80 130.94 261.89 314.27 331.72	419.29
23 34 33 00-0032	EA		96" Heated Air Curtain With 2- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,068.33 110.80 130.94 261.89 314.27 331.72	419.29
23 34 33 00-0033	EA		117" Heated Air Curtain With 2- 300 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,570.15 110.80 130.94 261.89 314.27 331.72	510.85
23 34 33 00-0034	EA		117" Heated Air Curtain With 2- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,176.66 110.80 130.94 261.89 314.27 331.72	510.85
23 34 33 00-0035	EA		147" Heated Air Curtain With 2- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,998.62 110.80 130.94 261.89 314.27 331.72	641.82
23 34 33 00-0036	EA		147" Heated Air Curtain With 3- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	8,507.11 110.80 130.94 261.89 314.27 331.72	641.82
23 34 33 00-0037	EA		168" Heated Air Curtain With 2- 400 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	7,998.68 110.80 130.94 261.89 314.27 331.72	733.59

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34	33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters	9,722.30	733.59
			For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
			For Flat Side Extension Plates, Add	130.94	
			For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34	33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters	9,139.98	838.36
			For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
			For Flat Side Extension Plates, Add	130.94	
			For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	
23 34	33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	11,109.84	838.36
			For Door Limit Switch, Combination Roller And Plunger, Add	110.80	
			For Flat Side Extension Plates, Add	130.94	
			For Clearance Adjustable-Angle Mounting Bracket, Add	261.89	
			For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	314.27	
			For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	331.72	

23 35 Special Exhaust Systems (23 30)

See CSI section 23 31 13 16-0063 for spiral duct/piping.

23 35 16 Engine Exhaust Systems (23 35)**23 35 16 16 Mechanical Engine Exhaust Systems (23 35 16)**

23 35 16 16-0001	EA	Tailpipe Exhaust Equipment (23 35 16 16)		
23 35 16 16-0002	EA	Overhead Tailpipe Exhaust System (23 35 16 16-0001)		
23 35 16 16-0003	EA	Overhead Tailpipe Exhaust Blowers (23 35 16 16-0002)		
23 35 16 16-0004	EA	Overhead Direct Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0005	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,011.32	86.50
23 35 16 16-0006	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,224.60	176.65
23 35 16 16-0007	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,139.36	214.00
23 35 16 16-0008	EA	Overhead Belt Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0009	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,156.34	176.65
23 35 16 16-0010	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,262.56	214.00
23 35 16 16-0011	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,597.07	338.67
23 35 16 16-0012	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,148.20	436.95
23 35 16 16-0013	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,020.37	520.60
23 35 16 16-0014	EA	Spiral Exhaust Duct Accessories (23 35 16 16-0002)		
23 35 16 16-0015	EA	Flex Hose x Length (23 35 16 16-0014) Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0016	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	110.88	21.52
23 35 16 16-0017	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	79.77	21.52
23 35 16 16-0018	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	164.95	34.11
23 35 16 16-0019	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	112.97	34.11
23 35 16 16-0020	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	205.12	54.01
23 35 16 16-0021	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	186.51	54.01
23 35 16 16-0022	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	298.23	85.68
23 35 16 16-0023	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	259.09	85.68
23 35 16 16-0024	EA	Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter (23 35 16 16-0014)		
23 35 16 16-0025	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	135.69	21.52
23 35 16 16-0026	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	183.07	34.11
23 35 16 16-0027	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	99.85	21.52
23 35 16 16-0028	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	129.90	34.11
23 35 16 16-0029	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,739.45	29.00
23 35 16 16-0030	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,387.55	53.20
23 35 16 16-0031	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,556.03	53.20
23 35 16 16-0032	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	70.10	4.15
23 35 16 16-0033	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	80.45	4.15
23 35 16 16-0034	LF	Flexible Hose (23 35 16 16-0014)		
23 35 16 16-0035	LF	3" Stainless Steel Flexible Tubing.....	20.75	1.01
23 35 16 16-0036	LF	4" Stainless Steel Flexible Tubing.....	26.60	1.14
23 35 16 16-0037	LF	5" Stainless Steel Flexible Tubing.....	31.76	1.18
23 35 16 16-0038	LF	6" Stainless Steel Flexible Tubing.....	37.63	1.26
23 35 16 16-0039	LF	3" Galvanized Flexible Tubing	11.40	1.01
23 35 16 16-0040	LF	4" Galvanized Flexible Tubing	13.46	1.14
23 35 16 16-0041	LF	5" Galvanized Flexible Tubing	15.53	1.18
23 35 16 16-0042	LF	6" Galvanized Flexible Tubing	17.39	1.26
23 35 16 16-0043	EA	Accessories (23 35 16 16-0002)		
23 35 16 16-0044	EA	3" Tail Pipe Adapter	57.51	3.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0045 EA 4" Tail Pipe Adapter	59.57	3.04
23 35 16 16-0046 EA 5" Tail Pipe Adapter	62.44	3.45
23 35 16 16-0047 EA 3" Bullnose (Guide).....	30.35	2.03
23 35 16 16-0048 EA 4" Bullnose (Guide).....	31.90	2.23
23 35 16 16-0049 EA 5" Bullnose (Guide).....	33.79	2.43
23 35 16 16-0050 EA Flex-Hose Winch And Associated Hardware	184.48	23.03
23 35 16 16-0051 LF Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.17	
23 35 19 Fume Exhaust (23 35)		
23 35 19 00-0001 EA Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle.....	1,283.43	162.31
23 35 19 00-0002 EA Hose Extension Kit 5'	173.63	36.06
23 36 Air Terminal Units (23 30)		
23 36 13 Constant-Air-Volume Units (23 36)		
23 36 13 00-0001 Vertical Units, With Electric Heating Coils (23 36 13)		
23 36 13 00-0002 EA 60 CFM Vertical Induction Unit, With Electric Heating Coils	1,261.18	72.46
23 36 13 00-0003 EA 90 CFM Vertical Induction Unit, With Electric Heating Coils	1,529.97	78.04
23 36 13 00-0004 EA 120 CFM Vertical Induction Unit, With Electric Heating Coils	1,635.68	80.82
23 36 13 00-0005 EA 150 CFM Vertical Induction Unit, With Electric Heating Coils	1,746.96	86.40
23 36 13 00-0006 EA 175 CFM Vertical Induction Unit, With Electric Heating Coils	1,982.23	89.19
23 36 13 00-0007 Horizontal Units, With Electric Heating Coils (23 36 13)		
23 36 13 00-0008 EA 60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,055.16	72.46
23 36 13 00-0009 EA 90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,272.33	78.04
23 36 13 00-0010 EA 120 CFM Horizontal Induction Unit, With Electric Heating Coils	1,533.40	82.22
23 36 13 00-0011 Duct Boxes, Constant Volume Control (23 36 13)		
23 36 13 00-0012 Single Duct Boxes, Constant Volume Control (23 36 13 00-0011)		
23 36 13 00-0013 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	830.86	16.74
For Boxes With Motor, Add	20.00	
23 36 13 00-0014 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	920.45	18.07
For Boxes With Motor, Add	20.00	
23 36 13 00-0015 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	952.73	19.83
For Boxes With Motor, Add	20.00	
23 36 13 00-0016 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	968.58	20.71
For Boxes With Motor, Add	20.00	
23 36 13 00-0017 EA 12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	977.12	22.91
For Boxes With Motor, Add	20.00	
23 36 13 00-0018 EA 14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	1,118.51	25.55
For Boxes With Motor, Add	20.00	
23 36 13 00-0019 EA 16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	1,168.06	28.63
For Boxes With Motor, Add	20.00	
23 36 13 00-0020 EA 20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	1,227.83	34.37
For Boxes With Motor, Add	20.00	
23 36 13 00-0021 EA 24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	1,286.95	39.65
For Boxes With Motor, Add	20.00	
23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control (23 36 13 00-0011)		
23 36 13 00-0023 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control.....	1,190.63	16.74
For Boxes With Motor, Add	20.00	
23 36 13 00-0024 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control.....	1,272.56	18.07
For Boxes With Motor, Add	20.00	
23 36 13 00-0025 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control.....	1,324.85	19.83
For Boxes With Motor, Add	20.00	
23 36 13 00-0026 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control.....	1,380.35	20.71
For Boxes With Motor, Add	20.00	
23 36 13 00-0027 EA 12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	1,388.89	22.91
For Boxes With Motor, Add	20.00	
23 36 13 00-0028 EA 14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	1,597.65	25.99
For Boxes With Motor, Add	20.00	
23 36 13 00-0029 EA 16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	1,744.75	28.63
For Boxes With Motor, Add	20.00	
23 36 13 00-0030 EA 20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	1,868.63	34.37
For Boxes With Motor, Add	20.00	
23 36 13 00-0031 EA 24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	1,937.95	39.65
For Boxes With Motor, Add	20.00	
23 36 16 Variable-Air-Volume Units (23 36)		
23 36 16 00-0001 Variable Volume Terminal Unit (23 36 16)		
Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)		
Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003 EA 6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	191.78	20.26
For Filters And Frames, Add	6.30	
23 36 16 00-0004 EA 8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	214.84	22.91
For Filters And Frames, Add	6.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 36 Air Terminal Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 36 16 00-0005	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	239.38	25.55
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	256.26	28.63
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 - 3,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	352.58	61.63
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 - 4,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	430.97	73.13
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0009		Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
		Note: With pneumatic controls.		
23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	387.62	20.26
		<i>For Fan Powered Variable Air Volume Box, Add</i>	398.57	
		<i>For Hot Water Coils, Add</i>	40.55	
		<i>For Pressure Independent Actuator, Add</i>	67.57	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	419.87	22.91
		<i>For Fan Powered Variable Air Volume Box, Add</i>	427.03	
		<i>For Hot Water Coils, Add</i>	40.55	
		<i>For Pressure Independent Actuator, Add</i>	67.57	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	440.88	25.55
		<i>For Fan Powered Variable Air Volume Box, Add</i>	440.60	
		<i>For Hot Water Coils, Add</i>	40.55	
		<i>For Pressure Independent Actuator, Add</i>	67.57	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	461.29	28.63
		<i>For Fan Powered Variable Air Volume Box, Add</i>	453.31	
		<i>For Hot Water Coils, Add</i>	40.55	
		<i>For Pressure Independent Actuator, Add</i>	67.57	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	538.53	61.63
		<i>For Fan Powered Variable Air Volume Box, Add</i>	509.45	
		<i>For Hot Water Coils, Add</i>	40.55	
		<i>For Pressure Independent Actuator, Add</i>	67.57	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	632.46	73.13
		<i>For Fan Powered Variable Air Volume Box, Add</i>	554.10	
		<i>For Hot Water Coils, Add</i>	40.55	
		<i>For Pressure Independent Actuator, Add</i>	67.57	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0016		Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
		Note: With analog electronic controls.		
23 36 16 00-0017	EA	6" Diameter Inlet, 60 - 500 CFM, Variable Air Volume Box With analog electronic controls	631.53	20.26
		<i>For Hot Water Coils, Add</i>	40.55	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 - 900 CFM, Variable Air Volume Box With analog electronic controls	658.13	22.91
		<i>For Hot Water Coils, Add</i>	40.55	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 - 1,400 CFM, Variable Air Volume Box With analog electronic controls	682.67	25.55
		<i>For Hot Water Coils, Add</i>	40.55	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 - 2,000 CFM, Variable Air Volume Box With analog electronic controls	716.52	28.63
		<i>For Hot Water Coils, Add</i>	40.55	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 - 3,000 CFM, Variable Air Volume Box With analog electronic controls	794.46	61.63
		<i>For Hot Water Coils, Add</i>	40.55	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0022	EA	16" Diameter Inlet, 420 - 4,000 CFM, Variable Air Volume Box With analog electronic controls	808.60	61.63
		<i>For Hot Water Coils, Add</i>	40.55	
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0023		Dual Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
		Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA	6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	437.14	40.04
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0025	EA	8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	478.61	45.59
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0026	EA	10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	513.24	51.50
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0027	EA	12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	563.17	57.45
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0028	EA	14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	633.58	66.08
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0029	EA	16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	697.99	79.30
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0030		Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-		
		M) <small>(23 36 16 00-0001)</small>		
23 36 16 00-0031	EA	0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	277.85	27.54
		<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0032	EA	0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	300.61	30.28
		<i>For Filters And Frames, Add</i>	6.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0033	EA	0	To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C).....	324.18	33.04
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0034	EA	0	To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D).....	348.64	35.80
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0035	EA	0	To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E).....	374.05	38.55
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0036	EA	0	To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F).....	400.45	41.30
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0037	EA	0	To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G).....	430.69	44.05
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0038	EA	0	To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H).....	459.53	46.81
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0039	EA	0	To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J).....	489.60	49.57
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0040	EA	0	To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K).....	521.00	52.31
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0041	EA	0	To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L).....	553.85	55.07
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0042	EA	0	To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M).....	588.20	57.82
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0043	EA	0	To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N).....	624.20	60.58
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0044	EA	0	To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P).....	658.16	63.32
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0045	EA	0	To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R).....	697.51	66.08
			<i>For Filters And Frames, Add</i>	6.30	

23 37 Air Outlets And Inlets (23 30)

23 37 13 Diffusers, Registers, And Grilles (23 37)

23 37 13 00-0001 Wall And Floor Diffusers (23 37 13)

23 37 13 00-0002 Slot Type Linear Diffusers (23 37 13 00-0001)

Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.

23 37 13 00-0003	LF	1	Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	25.92	2.20
			<i>For 3/4" Border, Add</i>	4.17	
			<i>For Floor Mounted Diffusers, Add</i>	5.00	
			<i>For Stainless Steel, Add</i>	21.67	
23 37 13 00-0004	LF	2	Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	32.36	2.64
			<i>For 3/4" Border, Add</i>	5.56	
			<i>For Floor Mounted Diffusers, Add</i>	6.67	
			<i>For Stainless Steel, Add</i>	28.90	
23 37 13 00-0005	LF	3	Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	46.47	3.08
			<i>For 3/4" Border, Add</i>	8.75	
			<i>For Floor Mounted Diffusers, Add</i>	10.50	
			<i>For Stainless Steel, Add</i>	45.51	
23 37 13 00-0006	LF	4	Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	62.78	3.08
			<i>For 3/4" Border, Add</i>	12.50	
			<i>For Floor Mounted Diffusers, Add</i>	15.00	
			<i>For Stainless Steel, Add</i>	65.01	
23 37 13 00-0007	LF	5	Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	79.57	3.53
			<i>For 3/4" Border, Add</i>	16.26	
			<i>For Floor Mounted Diffusers, Add</i>	19.51	
			<i>For Stainless Steel, Add</i>	84.53	
23 37 13 00-0008	LF	6	Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	93.42	4.41
			<i>For 3/4" Border, Add</i>	19.17	
			<i>For Floor Mounted Diffusers, Add</i>	23.01	
			<i>For Stainless Steel, Add</i>	99.70	

23 37 13 00-0009 Linear Bar Grilles And Registers (23 37 13 00-0001)

Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.

23 37 13 00-0010	LF	2"	Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	90.71	2.64
			<i>For Floor Mount, Add</i>	8.06	
			<i>For Opposed Blade Damper, Add</i>	16.12	
			<i>For Stainless Steel, Add</i>	104.75	
23 37 13 00-0011	LF	3"	Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	108.71	3.08
			<i>For Floor Mount, Add</i>	9.73	
			<i>For Opposed Blade Damper, Add</i>	19.45	
			<i>For Stainless Steel, Add</i>	126.43	
23 37 13 00-0012	LF	4"	Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	118.36	3.08
			<i>For Floor Mount, Add</i>	10.56	
			<i>For Opposed Blade Damper, Add</i>	21.12	
			<i>For Stainless Steel, Add</i>	137.27	
23 37 13 00-0013	LF	6"	Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	144.55	4.41
			<i>For Floor Mount, Add</i>	12.78	
			<i>For Opposed Blade Damper, Add</i>	25.56	
			<i>For Stainless Steel, Add</i>	166.17	
23 37 13 00-0014	LF	9"	Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	200.29	5.72
			<i>For Floor Mount, Add</i>	17.78	
			<i>For Opposed Blade Damper, Add</i>	35.57	
			<i>For Stainless Steel, Add</i>	231.18	
23 37 13 00-0015	LF	12"	Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	230.19	6.61
			<i>For Floor Mount, Add</i>	20.28	
			<i>For Opposed Blade Damper, Add</i>	40.57	
			<i>For Stainless Steel, Add</i>	263.69	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 37 13 00-0016	Ceiling Diffusers <small>(23 37 13)</small>		
23 37 13 00-0017	Ceiling Diffusers With Perforated Face <small>(23 37 13 00-0016)</small> Note: Flush mount, aluminum construction, includes damper.		
23 37 13 00-0018	EA 6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	55.10	5.72
	For Steel Construction, Deduct	-4.87	
	For Surface Mount, Deduct	-3.89	
	For Diffuser Without Damper, Deduct	-6.49	
	For Stainless Steel, Add	81.13	
23 37 13 00-0019	EA 8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	62.32	5.72
	For Steel Construction, Deduct	-5.95	
	For Surface Mount, Deduct	-4.76	
	For Diffuser Without Damper, Deduct	-7.93	
	For Stainless Steel, Add	99.18	
23 37 13 00-0020	EA 9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	62.32	5.72
	For Steel Construction, Deduct	-5.95	
	For Surface Mount, Deduct	-4.76	
	For Diffuser Without Damper, Deduct	-7.93	
	For Stainless Steel, Add	99.18	
23 37 13 00-0021	EA 10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	74.83	7.05
	For Steel Construction, Deduct	-7.12	
	For Surface Mount, Deduct	-5.70	
	For Diffuser Without Damper, Deduct	-9.50	
	For Stainless Steel, Add	118.70	
23 37 13 00-0022	EA 12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	74.83	6.61
	For Steel Construction, Deduct	-7.12	
	For Surface Mount, Deduct	-5.70	
	For Diffuser Without Damper, Deduct	-9.50	
	For Stainless Steel, Add	118.70	
23 37 13 00-0023	EA 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	88.05	6.61
	For Steel Construction, Deduct	-9.11	
	For Surface Mount, Deduct	-7.28	
	For Diffuser Without Damper, Deduct	-12.14	
	For Stainless Steel, Add	151.75	
23 37 13 00-0024	EA 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	99.60	8.81
	For Steel Construction, Deduct	-9.79	
	For Surface Mount, Deduct	-7.83	
	For Diffuser Without Damper, Deduct	-13.05	
	For Stainless Steel, Add	163.18	
23 37 13 00-0025	EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	117.55	9.25
	For Steel Construction, Deduct	-12.23	
	For Surface Mount, Deduct	-9.78	
	For Diffuser Without Damper, Deduct	-16.30	
	For Stainless Steel, Add	203.75	
23 37 13 00-0026	EA 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	132.59	10.58
	For Steel Construction, Deduct	-13.59	
	For Surface Mount, Deduct	-10.88	
	For Lay-In Mount, Deduct	-10.88	
	For Diffuser Without Damper, Deduct	-18.13	
	For Stainless Steel, Add	226.58	
23 37 13 00-0027	Ceiling Diffusers With Louver Face <small>(23 37 13 00-0016)</small> Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 00-0028	EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	57.51	5.72
	For Steel Construction, Deduct	-5.23	
	For Flush Mount, Add	5.23	
	For Stainless Steel, Add	87.15	
23 37 13 00-0029	EA 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	66.88	5.72
	For Steel Construction, Deduct	-6.63	
	For Flush Mount, Add	6.63	
	For Stainless Steel, Add	110.58	
23 37 13 00-0030	EA 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	66.88	5.72
	For Steel Construction, Deduct	-6.63	
	For Flush Mount, Add	6.63	
	For Stainless Steel, Add	110.58	
23 37 13 00-0031	EA 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	80.24	6.61
	For Steel Construction, Deduct	-7.93	
	For Flush Mount, Add	7.93	
	For Stainless Steel, Add	132.23	
23 37 13 00-0032	EA 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	80.24	7.05
	For Steel Construction, Deduct	-7.93	
	For Flush Mount, Add	7.93	
	For Stainless Steel, Add	132.23	
23 37 13 00-0033	EA 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	103.72	8.81
	For Steel Construction, Deduct	-10.39	
	For Flush Mount, Add	10.39	
	For Stainless Steel, Add	173.10	
23 37 13 00-0034	EA 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	90.97	8.81
	For Steel Construction, Deduct	-8.47	
	For Flush Mount, Add	8.47	
	For Stainless Steel, Add	141.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0035	EA		18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	114.21	10.58
			<i>For Steel Construction, Deduct</i>	-10.87	
			<i>For Flush Mount, Add</i>	10.87	
			<i>For Stainless Steel, Add</i>	181.20	
23 37 13 00-0036	EA		21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	134.15	11.89
			<i>For Steel Construction, Deduct</i>	-13.52	
			<i>For Flush Mount, Add</i>	13.52	
			<i>For Stainless Steel, Add</i>	225.38	
23 37 13 00-0037	EA		24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	147.26	23.30
			<i>For Steel Construction, Deduct</i>	-15.09	
			<i>For Flush Mount, Add</i>	15.09	
			<i>For Lay-In Mount, Add</i>	20.12	
			<i>For Stainless Steel, Add</i>	251.53	
23 37 13 00-0038 Round Ceiling Diffusers With Fixed Pattern (23 37 13 00-0016)					
Note: Aluminum construction.					
23 37 13 00-0039	EA		6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	100.67	5.72
			<i>For Steel Construction, Deduct</i>	-23.41	
			<i>For Stainless Steel, Add</i>	195.05	
23 37 13 00-0040	EA		8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	104.67	5.72
			<i>For Steel Construction, Deduct</i>	-24.61	
			<i>For Stainless Steel, Add</i>	205.05	
23 37 13 00-0041	EA		10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	117.38	7.05
			<i>For Steel Construction, Deduct</i>	-27.01	
			<i>For Stainless Steel, Add</i>	225.08	
23 37 13 00-0042	EA		12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	127.38	6.61
			<i>For Steel Construction, Deduct</i>	-30.01	
			<i>For Stainless Steel, Add</i>	250.08	
23 37 13 00-0043	EA		14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	185.77	7.93
			<i>For Steel Construction, Deduct</i>	-46.22	
			<i>For Stainless Steel, Add</i>	385.13	
23 37 13 00-0044	EA		16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	196.09	8.37
			<i>For Steel Construction, Deduct</i>	-48.92	
			<i>For Stainless Steel, Add</i>	407.63	
23 37 13 00-0045	EA		18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	206.53	8.81
			<i>For Steel Construction, Deduct</i>	-51.62	
			<i>For Stainless Steel, Add</i>	430.13	
23 37 13 00-0046	EA		20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	240.55	8.81
			<i>For Steel Construction, Deduct</i>	-61.35	
			<i>For Stainless Steel, Add</i>	511.25	
23 37 13 00-0047	EA		24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	288.61	10.13
			<i>For Steel Construction, Deduct</i>	-74.69	
			<i>For Stainless Steel, Add</i>	622.40	
23 37 13 00-0048	EA		28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	326.26	10.58
			<i>For Steel Construction, Deduct</i>	-85.36	
			<i>For Stainless Steel, Add</i>	711.33	
23 37 13 00-0049	EA		32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	391.20	11.89
			<i>For Steel Construction, Deduct</i>	-103.37	
			<i>For Stainless Steel, Add</i>	861.38	
23 37 13 00-0050 Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 00-0016)					
Note: Aluminum construction.					
23 37 13 00-0051	EA		6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	106.67	5.72
			<i>For Steel Construction, Deduct</i>	-8.40	
			<i>For Flush Mount, Deduct</i>	-4.20	
			<i>For Stainless Steel, Add</i>	210.05	
23 37 13 00-0052	EA		8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	117.01	5.72
			<i>For Steel Construction, Deduct</i>	-9.44	
			<i>For Flush Mount, Deduct</i>	-4.72	
			<i>For Stainless Steel, Add</i>	235.90	
23 37 13 00-0053	EA		10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	131.83	7.05
			<i>For Steel Construction, Deduct</i>	-10.45	
			<i>For Flush Mount, Deduct</i>	-5.22	
			<i>For Stainless Steel, Add</i>	261.20	
23 37 13 00-0054	EA		12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	143.38	7.05
			<i>For Steel Construction, Deduct</i>	-11.60	
			<i>For Flush Mount, Deduct</i>	-5.80	
			<i>For Stainless Steel, Add</i>	290.08	
23 37 13 00-0055	EA		14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	211.77	7.93
			<i>For Steel Construction, Deduct</i>	-18.01	
			<i>For Flush Mount, Deduct</i>	-9.00	
			<i>For Stainless Steel, Add</i>	450.13	
23 37 13 00-0056	EA		16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	195.69	8.37
			<i>For Steel Construction, Deduct</i>	-19.24	
			<i>For Flush Mount, Deduct</i>	-9.62	
			<i>For Stainless Steel, Add</i>	480.98	
23 37 13 00-0057	EA		18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	239.21	8.81
			<i>For Steel Construction, Deduct</i>	-20.47	
			<i>For Flush Mount, Deduct</i>	-10.24	
			<i>For Stainless Steel, Add</i>	511.83	
23 37 13 00-0058	EA		20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	279.45	9.25
			<i>For Steel Construction, Deduct</i>	-24.34	
			<i>For Flush Mount, Deduct</i>	-12.17	
			<i>For Stainless Steel, Add</i>	608.50	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

City of Miami

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0059 EA 24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	316.18	10.13
For Steel Construction, Deduct	-27.65	
For Flush Mount, Deduct	-13.83	
For Stainless Steel, Add	691.33	
23 37 13 00-0060 EA 28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	386.28	10.58
For Steel Construction, Deduct	-34.46	
For Flush Mount, Deduct	-17.23	
For Stainless Steel, Add	861.38	
23 37 13 00-0061 EA 32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	467.00	11.89
For Steel Construction, Deduct	-42.04	
For Flush Mount, Deduct	-21.02	
For Stainless Steel, Add	1,050.88	
23 37 13 00-0062 EA 36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	518.38	24.80
For Stainless Steel, Add	1,172.03	
23 37 13 00-0063 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 00-0016)		
23 37 13 00-0064 LF 4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	76.92	6.61
For Stainless Steel, Add	126.23	
23 37 13 00-0065 LF 6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	83.78	6.61
For Stainless Steel, Add	143.38	
23 37 13 00-0066 LF 9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	92.23	6.61
For Stainless Steel, Add	164.50	
23 37 13 00-0067 LF 12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	100.45	6.61
For Stainless Steel, Add	185.05	
23 37 13 00-0068 Return/Exhaust Registers And Grilles (23 37 13)		
23 37 13 00-0069 Return/Exhaust Registers With Frame (23 37 13 00-0068)		
Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 00-0070 EA 8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	58.41	3.53
For Steel Construction, Deduct	-8.95	
For Grilles (No Damper), Deduct	-17.90	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	4.47	
For Cube Core Lay In, Add	8.95	
For Stainless Steel, Add	111.85	
23 37 13 00-0071 EA 8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	68.13	3.53
For Steel Construction, Deduct	-10.89	
For Grilles (No Damper), Deduct	-21.78	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	5.45	
For Cube Core Lay In, Add	10.89	
For Stainless Steel, Add	136.15	
23 37 13 00-0072 EA 10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	76.16	3.96
For Steel Construction, Deduct	-12.06	
For Grilles (No Damper), Deduct	-24.12	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	6.03	
For Cube Core Lay In, Add	12.06	
For Stainless Steel, Add	150.75	
23 37 13 00-0073 EA 10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	78.74	4.41
For Steel Construction, Deduct	-12.06	
For Grilles (No Damper), Deduct	-24.12	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	6.03	
For Cube Core Lay In, Add	12.06	
For Stainless Steel, Add	150.75	
23 37 13 00-0074 EA 12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	74.85	4.41
For Steel Construction, Deduct	-11.28	
For Grilles (No Damper), Deduct	-22.56	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	5.64	
For Cube Core Lay In, Add	11.28	
For Stainless Steel, Add	141.03	
23 37 13 00-0075 EA 12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	96.56	5.72
For Steel Construction, Deduct	-14.78	
For Grilles (No Damper), Deduct	-29.56	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	7.39	
For Cube Core Lay In, Add	14.78	
For Stainless Steel, Add	184.78	
23 37 13 00-0076 EA 16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	115.60	6.61
For Steel Construction, Deduct	-17.65	
For Grilles (No Damper), Deduct	-35.30	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	8.83	
For Cube Core Lay In, Add	17.65	
For Stainless Steel, Add	220.63	
23 37 13 00-0077 EA 18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	142.58	7.93
For Steel Construction, Deduct	-22.17	
For Grilles (No Damper), Deduct	-44.34	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	11.09	
For Cube Core Lay In, Add	22.17	
For Stainless Steel, Add	277.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0078	EA		20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	168.73	8.81
			<i>For Steel Construction, Deduct</i>	-26.85	
			<i>For Grilles (No Damper), Deduct</i>	-53.70	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	13.43	
			<i>For Cube Core Lay In, Add</i>	26.85	
			<i>For Stainless Steel, Add</i>	335.63	
23 37 13 00-0079	EA		24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	148.34	8.81
			<i>For Steel Construction, Deduct</i>	-22.46	
			<i>For Grilles (No Damper), Deduct</i>	-44.92	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	11.23	
			<i>For Cube Core Lay In, Add</i>	22.46	
			<i>For Stainless Steel, Add</i>	280.73	
23 37 13 00-0080	EA		24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	172.20	8.81
			<i>For Steel Construction, Deduct</i>	-27.23	
			<i>For Grilles (No Damper), Deduct</i>	-54.46	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	13.62	
			<i>For Cube Core Lay In, Add</i>	27.23	
			<i>For Stainless Steel, Add</i>	340.38	
23 37 13 00-0081	EA		24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	180.76	10.13
			<i>For Steel Construction, Deduct</i>	-28.22	
			<i>For Grilles (No Damper), Deduct</i>	-56.44	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	14.11	
			<i>For Cube Core Lay In, Add</i>	28.22	
			<i>For Stainless Steel, Add</i>	352.78	
23 37 13 00-0082	EA		30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	191.70	10.58
			<i>For Steel Construction, Deduct</i>	-29.99	
			<i>For Grilles (No Damper), Deduct</i>	-59.99	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	15.00	
			<i>For Cube Core Lay In, Add</i>	29.99	
			<i>For Stainless Steel, Add</i>	374.93	
23 37 13 00-0083	EA		30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	221.69	11.89
			<i>For Steel Construction, Deduct</i>	-35.01	
			<i>For Grilles (No Damper), Deduct</i>	-70.02	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	17.50	
			<i>For Cube Core Lay In, Add</i>	35.01	
			<i>For Stainless Steel, Add</i>	437.60	
23 37 13 00-0084	EA		30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	246.07	14.09
			<i>For Steel Construction, Deduct</i>	-37.89	
			<i>For Grilles (No Damper), Deduct</i>	-75.77	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	18.94	
			<i>For Cube Core Lay In, Add</i>	37.89	
			<i>For Stainless Steel, Add</i>	473.58	
23 37 13 00-0085	EA		30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	328.43	14.09
			<i>For Steel Construction, Deduct</i>	-54.36	
			<i>For Grilles (No Damper), Deduct</i>	-108.72	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	27.18	
			<i>For Cube Core Lay In, Add</i>	54.36	
			<i>For Stainless Steel, Add</i>	679.48	
23 37 13 00-0086	EA		36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	265.64	15.42
			<i>For Steel Construction, Deduct</i>	-40.93	
			<i>For Grilles (No Damper), Deduct</i>	-81.86	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	20.46	
			<i>For Cube Core Lay In, Add</i>	40.93	
			<i>For Stainless Steel, Add</i>	511.60	
23 37 13 00-0087	EA		36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	257.82	14.98
			<i>For Steel Construction, Deduct</i>	-39.36	
			<i>For Grilles (No Damper), Deduct</i>	-78.73	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	19.68	
			<i>For Cube Core Lay In, Add</i>	39.36	
			<i>For Stainless Steel, Add</i>	492.05	
23 37 13 00-0088	EA		36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	295.29	16.74
			<i>For Steel Construction, Deduct</i>	-45.84	
			<i>For Grilles (No Damper), Deduct</i>	-91.68	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	22.92	
			<i>For Cube Core Lay In, Add</i>	45.84	
			<i>For Stainless Steel, Add</i>	573.03	
23 37 13 00-0089	EA		36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	409.43	18.07
			<i>For Steel Construction, Deduct</i>	-67.47	
			<i>For Grilles (No Damper), Deduct</i>	-134.94	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	33.73	
			<i>For Cube Core Lay In, Add</i>	67.47	
			<i>For Stainless Steel, Add</i>	843.35	
23 37 13 00-0090	EA		24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	177.15	10.17
			<i>For Steel Construction, Deduct</i>	-27.30	
			<i>For Grilles (No Damper), Deduct</i>	-54.60	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	13.65	
			<i>For Cube Core Lay In, Add</i>	27.30	
			<i>For Stainless Steel, Add</i>	341.23	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0091 EA 32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	321.41	18.01
For Steel Construction, Deduct	-49.86	
For Grilles (No Damper), Deduct	-99.73	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	24.93	
For Cube Core Lay In, Add	49.86	
For Stainless Steel, Add	623.30	
23 37 13 00-0092 EA 48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	352.17	17.62
For Steel Construction, Deduct	-57.22	
For Grilles (No Damper), Deduct	-114.44	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	28.61	
For Cube Core Lay In, Add	57.22	
For Stainless Steel, Add	715.23	
23 37 13 00-0093 Return/Exhaust Registers Removable-Reversible (23 37 13 00-0068)		
Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 00-0094 EA 8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	53.35	3.53
For Steel Construction, Deduct	-3.97	
For Flat Frame, Deduct	-0.40	
For Grilles (No Damper), Deduct	-7.94	
For Stainless Steel, Add	99.20	
23 37 13 00-0095 EA 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	53.35	3.53
For Steel Construction, Deduct	-3.97	
For Flat Frame, Deduct	-0.40	
For Grilles (No Damper), Deduct	-7.94	
For Stainless Steel, Add	99.20	
23 37 13 00-0096 EA 10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	66.04	3.96
For Steel Construction, Deduct	-5.02	
For Flat Frame, Deduct	-0.50	
For Grilles (No Damper), Deduct	-10.04	
For Stainless Steel, Add	125.45	
23 37 13 00-0097 EA 10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	75.62	4.84
For Steel Construction, Deduct	-5.72	
For Flat Frame, Deduct	-0.57	
For Grilles (No Damper), Deduct	-11.44	
For Stainless Steel, Add	142.95	
23 37 13 00-0098 EA 12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	74.46	4.41
For Steel Construction, Deduct	-5.60	
For Flat Frame, Deduct	-0.56	
For Grilles (No Damper), Deduct	-11.20	
For Stainless Steel, Add	140.05	
23 37 13 00-0099 EA 12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	97.34	5.72
For Steel Construction, Deduct	-7.47	
For Flat Frame, Deduct	-0.75	
For Grilles (No Damper), Deduct	-14.94	
For Stainless Steel, Add	186.73	
23 37 13 00-0100 EA 16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	162.33	7.05
For Steel Construction, Deduct	-13.50	
For Flat Frame, Deduct	-1.35	
For Grilles (No Damper), Deduct	-27.00	
For Stainless Steel, Add	337.45	
23 37 13 00-0101 EA 18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	196.27	7.93
For Steel Construction, Deduct	-16.46	
For Flat Frame, Deduct	-1.65	
For Grilles (No Damper), Deduct	-32.91	
For Stainless Steel, Add	411.38	
23 37 13 00-0102 EA 20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	222.37	8.81
For Steel Construction, Deduct	-18.79	
For Flat Frame, Deduct	-1.88	
For Grilles (No Damper), Deduct	-37.58	
For Stainless Steel, Add	469.73	
23 37 13 00-0103 EA 24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	180.76	8.81
For Steel Construction, Deduct	-14.47	
For Flat Frame, Deduct	-1.45	
For Grilles (No Damper), Deduct	-28.94	
For Stainless Steel, Add	361.78	
23 37 13 00-0104 EA 24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	250.78	9.25
For Steel Construction, Deduct	-21.47	
For Flat Frame, Deduct	-2.15	
For Grilles (No Damper), Deduct	-42.95	
For Stainless Steel, Add	536.83	
23 37 13 00-0105 EA 24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	294.06	10.13
For Steel Construction, Deduct	-25.44	
For Flat Frame, Deduct	-2.54	
For Grilles (No Damper), Deduct	-50.88	
For Stainless Steel, Add	636.03	
23 37 13 00-0106 EA 30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	219.12	10.58
For Steel Construction, Deduct	-17.74	
For Flat Frame, Deduct	-1.77	
For Grilles (No Damper), Deduct	-35.48	
For Stainless Steel, Add	443.48	
23 37 13 00-0107 EA 30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	308.06	11.89
For Steel Construction, Deduct	-26.14	
For Flat Frame, Deduct	-2.61	
For Grilles (No Damper), Deduct	-52.28	
For Stainless Steel, Add	653.53	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0108	EA		30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	370.56	14.09
			<i>For Steel Construction, Deduct</i>	-31.39	
			<i>For Flat Frame, Deduct</i>	-3.14	
			<i>For Grilles (No Damper), Deduct</i>	-62.78	
			<i>For Stainless Steel, Add</i>	784.80	
23 37 13 00-0109	EA		30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	429.50	14.09
			<i>For Steel Construction, Deduct</i>	-37.29	
			<i>For Flat Frame, Deduct</i>	-3.73	
			<i>For Grilles (No Damper), Deduct</i>	-74.57	
			<i>For Stainless Steel, Add</i>	932.15	
23 37 13 00-0110	EA		36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	279.23	14.98
			<i>For Steel Construction, Deduct</i>	-21.82	
			<i>For Flat Frame, Deduct</i>	-2.18	
			<i>For Grilles (No Damper), Deduct</i>	-43.65	
			<i>For Stainless Steel, Add</i>	545.58	
23 37 13 00-0111	EA		36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	391.26	14.98
			<i>For Steel Construction, Deduct</i>	-33.03	
			<i>For Flat Frame, Deduct</i>	-3.30	
			<i>For Grilles (No Damper), Deduct</i>	-66.05	
			<i>For Stainless Steel, Add</i>	825.65	
23 37 13 00-0112	EA		36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	455.86	16.74
			<i>For Steel Construction, Deduct</i>	-38.98	
			<i>For Flat Frame, Deduct</i>	-3.90	
			<i>For Grilles (No Damper), Deduct</i>	-77.96	
			<i>For Stainless Steel, Add</i>	974.45	
23 37 13 00-0113	EA		36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	535.98	18.07
			<i>For Steel Construction, Deduct</i>	-46.39	
			<i>For Flat Frame, Deduct</i>	-4.64	
			<i>For Grilles (No Damper), Deduct</i>	-92.78	
			<i>For Stainless Steel, Add</i>	1,159.73	
23 37 13 00-0114	EA		36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	568.65	18.07
			<i>For Steel Construction, Deduct</i>	-49.66	
			<i>For Flat Frame, Deduct</i>	-4.97	
			<i>For Grilles (No Damper), Deduct</i>	-99.31	
			<i>For Stainless Steel, Add</i>	1,241.40	
23 37 13 00-0115			Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 00-0068)		
23 37 13 00-0116	EA		6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	25.72	4.31
23 37 13 00-0117	EA		8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	25.72	4.31
23 37 13 00-0118	EA		8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	28.62	4.31
23 37 13 00-0119	EA		8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	29.77	4.31
23 37 13 00-0120	EA		10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	28.62	4.31
23 37 13 00-0121	EA		10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	29.77	4.31
23 37 13 00-0122	EA		10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	34.98	5.65
23 37 13 00-0123	EA		10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	36.14	5.65
23 37 13 00-0124	EA		12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	33.82	5.65
23 37 13 00-0125	EA		12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	36.14	5.65
23 37 13 00-0126	EA		12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	37.29	5.65
23 37 13 00-0127	EA		12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	38.45	5.65
23 37 13 00-0128	EA		14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	36.71	5.65
23 37 13 00-0129	EA		14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	39.03	5.65
23 37 13 00-0130	EA		14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	40.18	5.65
23 37 13 00-0131	EA		14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	45.39	5.65
23 37 13 00-0132	EA		16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	39.03	5.65
23 37 13 00-0133	EA		16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	43.08	5.65
23 37 13 00-0134	EA		16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	45.39	5.65
23 37 13 00-0135	EA		16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	56.40	8.32
23 37 13 00-0136	EA		16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	57.56	8.32
23 37 13 00-0137	EA		18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	55.24	8.32
23 37 13 00-0138	EA		18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	68.57	9.66
23 37 13 00-0139	EA		20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	54.09	8.32
23 37 13 00-0140	EA		20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	74.35	9.66
23 37 13 00-0141	EA		22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	37.87	5.65
23 37 13 00-0142	EA		22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	55.24	8.32
23 37 13 00-0143	EA		22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	83.04	11.00
23 37 13 00-0144	EA		24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	54.09	8.32
23 37 13 00-0145	EA		24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	56.40	8.32
23 37 13 00-0146	EA		24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	65.10	9.66
			<i>For Lay-In Installation, Deduct</i>	-20.42	
23 37 13 00-0147	EA		24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	68.57	9.66
23 37 13 00-0148	EA		24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	76.10	11.00
23 37 13 00-0149	EA		24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	79.57	11.00
23 37 13 00-0150	EA		24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	83.62	11.00
23 37 13 00-0151	EA		24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	91.14	11.00
			<i>For Lay-In Installation, Deduct</i>	-23.36	
23 37 13 00-0152	EA		30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.83	9.66
23 37 13 00-0153	EA		48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	114.63	12.07
23 37 13 00-0154	EA		48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	206.61	14.74
			<i>For Lay-In Installation, Deduct</i>	-33.62	
23 37 13 00-0155			Supply Registers and Grilles (23 37 13)		
23 37 13 00-0156			Adjustable Curved Blade Register (23 37 13 00-0155)		

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 37 13 00-0157	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	47.66		3.53
		<i>For Steel Construction, Deduct</i>	-5.10		
		<i>For Lay In Frame, Deduct</i>	-8.50		
		<i>For Three Way Pattern, Deduct</i>	-3.40		
		<i>For Two Way Pattern, Deduct</i>	-2.72		
		<i>For One Way Pattern, Deduct</i>	-2.72		
		<i>For Grille (No Damper), Deduct</i>	-5.10		
		<i>For Stainless Steel, Add</i>	85.03		
23 37 13 00-0158	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	49.66		3.53
		<i>For Steel Construction, Deduct</i>	-5.40		
		<i>For Lay In Frame, Deduct</i>	-9.00		
		<i>For Three Way Pattern, Deduct</i>	-3.60		
		<i>For Two Way Pattern, Deduct</i>	-2.88		
		<i>For One Way Pattern, Deduct</i>	-2.88		
		<i>For Grille (No Damper), Deduct</i>	-5.40		
		<i>For Stainless Steel, Add</i>	90.03		
23 37 13 00-0159	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	52.49		4.84
		<i>For Steel Construction, Deduct</i>	-5.10		
		<i>For Lay In Frame, Deduct</i>	-8.50		
		<i>For Three Way Pattern, Deduct</i>	-3.40		
		<i>For Two Way Pattern, Deduct</i>	-2.72		
		<i>For One Way Pattern, Deduct</i>	-2.72		
		<i>For Grille (No Damper), Deduct</i>	-5.10		
		<i>For Stainless Steel, Add</i>	85.03		
23 37 13 00-0160	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	59.83		4.41
		<i>For Steel Construction, Deduct</i>	-6.20		
		<i>For Lay In Frame, Deduct</i>	-10.34		
		<i>For Three Way Pattern, Deduct</i>	-4.14		
		<i>For Two Way Pattern, Deduct</i>	-3.31		
		<i>For One Way Pattern, Deduct</i>	-3.31		
		<i>For Grille (No Damper), Deduct</i>	-6.20		
		<i>For Stainless Steel, Add</i>	103.38		
23 37 13 00-0161	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	71.81		5.72
		<i>For Steel Construction, Deduct</i>	-7.40		
		<i>For Lay In Frame, Deduct</i>	-12.34		
		<i>For Three Way Pattern, Deduct</i>	-4.94		
		<i>For Two Way Pattern, Deduct</i>	-3.95		
		<i>For One Way Pattern, Deduct</i>	-3.95		
		<i>For Grille (No Damper), Deduct</i>	-7.40		
		<i>For Stainless Steel, Add</i>	123.38		
23 37 13 00-0162	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	88.70		6.61
		<i>For Steel Construction, Deduct</i>	-9.20		
		<i>For Lay In Frame, Deduct</i>	-15.34		
		<i>For Three Way Pattern, Deduct</i>	-6.14		
		<i>For Two Way Pattern, Deduct</i>	-4.91		
		<i>For One Way Pattern, Deduct</i>	-4.91		
		<i>For Grille (No Damper), Deduct</i>	-9.20		
		<i>For Stainless Steel, Add</i>	153.38		
23 37 13 00-0163	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	88.70		6.61
		<i>For Steel Construction, Deduct</i>	-9.20		
		<i>For Lay In Frame, Deduct</i>	-15.34		
		<i>For Three Way Pattern, Deduct</i>	-6.14		
		<i>For Two Way Pattern, Deduct</i>	-4.91		
		<i>For One Way Pattern, Deduct</i>	-4.91		
		<i>For Grille (No Damper), Deduct</i>	-9.20		
		<i>For Stainless Steel, Add</i>	153.38		
23 37 13 00-0164	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	109.02		8.81
		<i>For Steel Construction, Deduct</i>	-11.20		
		<i>For Lay In Frame, Deduct</i>	-18.67		
		<i>For Three Way Pattern, Deduct</i>	-7.47		
		<i>For Two Way Pattern, Deduct</i>	-5.98		
		<i>For One Way Pattern, Deduct</i>	-5.98		
		<i>For Grille (No Damper), Deduct</i>	-11.20		
		<i>For Stainless Steel, Add</i>	186.73		
23 37 13 00-0165	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	148.75		9.25
		<i>For Steel Construction, Deduct</i>	-16.91		
		<i>For Lay In Frame, Deduct</i>	-28.18		
		<i>For Three Way Pattern, Deduct</i>	-11.27		
		<i>For Two Way Pattern, Deduct</i>	-9.02		
		<i>For One Way Pattern, Deduct</i>	-9.02		
		<i>For Grille (No Damper), Deduct</i>	-16.91		
		<i>For Stainless Steel, Add</i>	281.75		
23 37 13 00-0166	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	253.77		18.68
		<i>For Steel Construction, Deduct</i>	-32.46		
		<i>For Lay In Frame, Deduct</i>	-54.10		
		<i>For Three Way Pattern, Deduct</i>	-21.64		
		<i>For Two Way Pattern, Deduct</i>	-17.31		
		<i>For One Way Pattern, Deduct</i>	-17.31		
		<i>For Grille (No Damper), Deduct</i>	-32.46		
		<i>For Stainless Steel, Add</i>	541.00		
23 37 13 00-0167		Removable-Reversible Core Registers <small>(23 37 13 00-0155)</small>			
		Note: Double deflection radiused frame aluminum construction.			
23 37 13 00-0168	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	56.33		3.53
		<i>For Steel Construction, Deduct</i>	-4.27		
		<i>For Flat Frame, Deduct</i>	-4.27		
		<i>For Grille (No Damper), Deduct</i>	-12.80		
		<i>For Stainless Steel, Add</i>	106.70		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0169	EA		8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame.....	73.67	3.53
			<i>For Steel Construction, Deduct</i>	-6.00	
			<i>For Flat Frame, Deduct</i>	-6.00	
			<i>For Grille (No Damper), Deduct</i>	-18.01	
			<i>For Stainless Steel, Add</i>	150.05	
23 37 13 00-0170	EA		12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame.....	93.17	4.84
			<i>For Steel Construction, Deduct</i>	-7.47	
			<i>For Flat Frame, Deduct</i>	-7.47	
			<i>For Grille (No Damper), Deduct</i>	-22.41	
			<i>For Stainless Steel, Add</i>	186.73	
23 37 13 00-0171	EA		10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame.....	94.50	4.84
			<i>For Steel Construction, Deduct</i>	-7.60	
			<i>For Flat Frame, Deduct</i>	-7.60	
			<i>For Grille (No Damper), Deduct</i>	-22.81	
			<i>For Stainless Steel, Add</i>	190.05	
23 37 13 00-0172	EA		12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame.....	121.16	5.72
			<i>For Steel Construction, Deduct</i>	-9.87	
			<i>For Flat Frame, Deduct</i>	-9.87	
			<i>For Grille (No Damper), Deduct</i>	-29.61	
			<i>For Stainless Steel, Add</i>	246.75	
23 37 13 00-0173	EA		14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame.....	175.39	7.05
			<i>For Steel Construction, Deduct</i>	-14.80	
			<i>For Flat Frame, Deduct</i>	-14.80	
			<i>For Grille (No Damper), Deduct</i>	-44.41	
			<i>For Stainless Steel, Add</i>	370.10	
23 37 13 00-0174	EA		16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame.....	199.40	6.61
			<i>For Steel Construction, Deduct</i>	-17.21	
			<i>For Flat Frame, Deduct</i>	-17.21	
			<i>For Grille (No Damper), Deduct</i>	-51.62	
			<i>For Stainless Steel, Add</i>	430.13	
23 37 13 00-0175	EA		18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame.....	239.72	8.81
			<i>For Steel Construction, Deduct</i>	-20.54	
			<i>For Flat Frame, Deduct</i>	-20.54	
			<i>For Grille (No Damper), Deduct</i>	-61.62	
			<i>For Stainless Steel, Add</i>	513.48	
23 37 13 00-0176	EA		24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame.....	306.80	8.81
			<i>For Steel Construction, Deduct</i>	-27.08	
			<i>For Flat Frame, Deduct</i>	-27.08	
			<i>For Grille (No Damper), Deduct</i>	-81.23	
			<i>For Stainless Steel, Add</i>	676.88	
23 37 13 00-0177			Adjustable Shutter Blade Registers <small>(23 37 13 00-0155)</small>		
			Note: Double deflection flat frame aluminum construction.		
23 37 13 00-0178	EA		6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	91.45	3.53
			<i>For Steel Construction, Deduct</i>	-7.78	
			<i>For Single Deflection, Deduct</i>	-15.56	
			<i>For Grille (No Damper), Deduct</i>	-11.67	
			<i>For Stainless Steel, Add</i>	194.50	
23 37 13 00-0179	EA		8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	107.01	3.53
			<i>For Steel Construction, Deduct</i>	-9.34	
			<i>For Single Deflection, Deduct</i>	-18.67	
			<i>For Grille (No Damper), Deduct</i>	-14.00	
			<i>For Stainless Steel, Add</i>	233.40	
23 37 13 00-0180	EA		12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	111.84	4.84
			<i>For Steel Construction, Deduct</i>	-9.34	
			<i>For Single Deflection, Deduct</i>	-18.67	
			<i>For Grille (No Damper), Deduct</i>	-14.00	
			<i>For Stainless Steel, Add</i>	233.40	
23 37 13 00-0181	EA		10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	116.29	4.41
			<i>For Steel Construction, Deduct</i>	-9.78	
			<i>For Single Deflection, Deduct</i>	-19.56	
			<i>For Grille (No Damper), Deduct</i>	-14.67	
			<i>For Stainless Steel, Add</i>	244.53	
23 37 13 00-0182	EA		12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	142.49	5.72
			<i>For Steel Construction, Deduct</i>	-12.00	
			<i>For Single Deflection, Deduct</i>	-24.01	
			<i>For Grille (No Damper), Deduct</i>	-18.00	
			<i>For Stainless Steel, Add</i>	300.08	
23 37 13 00-0183	EA		14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	191.84	6.61
			<i>For Steel Construction, Deduct</i>	-16.45	
			<i>For Single Deflection, Deduct</i>	-32.90	
			<i>For Grille (No Damper), Deduct</i>	-24.67	
			<i>For Stainless Steel, Add</i>	411.23	
23 37 13 00-0184	EA		16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	229.63	7.05
			<i>For Steel Construction, Deduct</i>	-20.23	
			<i>For Single Deflection, Deduct</i>	-40.46	
			<i>For Grille (No Damper), Deduct</i>	-30.34	
			<i>For Stainless Steel, Add</i>	505.70	
23 37 13 00-0185	EA		18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	283.29	8.81
			<i>For Steel Construction, Deduct</i>	-24.90	
			<i>For Single Deflection, Deduct</i>	-49.79	
			<i>For Grille (No Damper), Deduct</i>	-37.34	
			<i>For Stainless Steel, Add</i>	622.40	
23 37 13 00-0186	EA		24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	398.38	9.25
			<i>For Steel Construction, Deduct</i>	-36.23	
			<i>For Single Deflection, Deduct</i>	-72.47	
			<i>For Grille (No Damper), Deduct</i>	-54.35	
			<i>For Stainless Steel, Add</i>	905.83	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR		TOTAL DIRECT DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 37 13 00-0187	Air Conditioning And Ventilation <small>(23 37 13 00-0155)</small>		
23 37 13 00-0188	EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....32.77	32.77	9.25
	<i>For Stainless Steel, Add</i> .....35.73		
23 37 13 00-0189	EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....56.13	56.13	13.77
	<i>For Stainless Steel, Add</i> .....71.48		
23 37 13 00-0190	EA 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....86.20	86.20	19.27
	<i>For Stainless Steel, Add</i> .....119.13		
23 37 13 00-0191	EA 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....210.11	210.11	26.43
	<i>For Stainless Steel, Add</i> .....393.10		
23 37 13 00-0192	Security Supply Or Return Grille <small>(23 37 13 00-0155)</small>		
	Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 00-0193	EA 8" x 4" Steel Security Grille .....139.78	139.78	6.61
	<i>For Anchoring Tabs, Add</i> .....12.66		
	<i>For Angle Iron Frame, Add</i> .....20.31		
	<i>For Rear Operated Opposed Blade Damper, Add</i> .....45.62		
	<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> .....0.35		
	<i>For 1" x 1" Square Holes On Face, Add</i> .....31.64		
	<i>For Stainless Steel, Add</i> .....164.53		
23 37 13 00-0194	EA 8" x 6" Steel Security Grille .....155.56	155.56	6.83
	<i>For Anchoring Tabs, Add</i> .....14.19		
	<i>For Angle Iron Frame, Add</i> .....22.65		
	<i>For Rear Operated Opposed Blade Damper, Add</i> .....51.03		
	<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> .....0.35		
	<i>For 1" x 1" Square Holes On Face, Add</i> .....35.48		
	<i>For Stainless Steel, Add</i> .....184.47		
23 37 13 00-0195	EA 8" x 8" Steel Security Grille .....178.41	178.41	7.72
	<i>For Anchoring Tabs, Add</i> .....16.30		
	<i>For Angle Iron Frame, Add</i> .....25.99		
	<i>For Rear Operated Opposed Blade Damper, Add</i> .....58.59		
	<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> .....0.35		
	<i>For 1" x 1" Square Holes On Face, Add</i> .....40.75		
	<i>For Stainless Steel, Add</i> .....211.89		
23 37 13 00-0196	EA 10" x 4" Steel Security Grille .....154.97	154.97	7.49
	<i>For Anchoring Tabs, Add</i> .....14.00		
	<i>For Angle Iron Frame, Add</i> .....22.50		
	<i>For Rear Operated Opposed Blade Damper, Add</i> .....50.49		
	<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> .....0.35		
	<i>For 1" x 1" Square Holes On Face, Add</i> .....35.00		
	<i>For Stainless Steel, Add</i> .....181.97		
23 37 13 00-0197	EA 10" x 6" Steel Security Grille .....165.44	165.44	7.93
	<i>For Anchoring Tabs, Add</i> .....14.96		
	<i>For Angle Iron Frame, Add</i> .....24.02		
	<i>For Rear Operated Opposed Blade Damper, Add</i> .....53.94		
	<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> .....0.35		
	<i>For 1" x 1" Square Holes On Face, Add</i> .....37.39		
	<i>For Stainless Steel, Add</i> .....194.44		
23 37 13 00-0198	EA 10" x 8" Steel Security Grille .....189.76	189.76	8.60
	<i>For Anchoring Tabs, Add</i> .....17.26		
	<i>For Angle Iron Frame, Add</i> .....27.61		
	<i>For Rear Operated Opposed Blade Damper, Add</i> .....62.12		
	<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> .....0.35		
	<i>For 1" x 1" Square Holes On Face, Add</i> .....43.15		
	<i>For Stainless Steel, Add</i> .....224.35		
23 37 13 00-0199	EA 10" x 10" Steel Security Grille .....212.18	212.18	9.26
	<i>For Anchoring Tabs, Add</i> .....19.37		
	<i>For Angle Iron Frame, Add</i> .....30.90		
	<i>For Rear Operated Opposed Blade Damper, Add</i> .....69.64		
	<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> .....0.35		
	<i>For 1" x 1" Square Holes On Face, Add</i> .....48.42		
	<i>For Stainless Steel, Add</i> .....251.77		
23 37 13 00-0200	EA 12" x 4" Steel Security Grille .....162.48	162.48	8.37
	<i>For Anchoring Tabs, Add</i> .....14.57		
	<i>For Angle Iron Frame, Add</i> .....23.53		
	<i>For Rear Operated Opposed Blade Damper, Add</i> .....52.68		
	<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> .....0.35		
	<i>For 1" x 1" Square Holes On Face, Add</i> .....36.43		
	<i>For Stainless Steel, Add</i> .....189.45		
23 37 13 00-0201	EA 12" x 6" Steel Security Grille .....181.50	181.50	9.26
	<i>For Anchoring Tabs, Add</i> .....16.30		
	<i>For Angle Iron Frame, Add</i> .....26.30		
	<i>For Rear Operated Opposed Blade Damper, Add</i> .....58.90		
	<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> .....0.35		
	<i>For 1" x 1" Square Holes On Face, Add</i> .....40.75		
	<i>For Stainless Steel, Add</i> .....211.89		
23 37 13 00-0202	EA 12" x 8" Steel Security Grille .....207.76	207.76	9.91
	<i>For Anchoring Tabs, Add</i> .....18.79		
	<i>For Angle Iron Frame, Add</i> .....30.17		
	<i>For Rear Operated Opposed Blade Damper, Add</i> .....67.76		
	<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> .....0.35		
	<i>For 1" x 1" Square Holes On Face, Add</i> .....46.98		
	<i>For Stainless Steel, Add</i> .....244.30		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0203	EA	12" x 10"	Steel Security Grille.....	226.33	10.58
			For Anchoring Tabs, Add	20.52	
			For Angle Iron Frame, Add	32.89	
			For Rear Operated Opposed Blade Damper, Add	73.93	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	51.30	
			For Stainless Steel, Add	266.73	
23 37 13 00-0204	EA	12" x 12"	Steel Security Grille.....	250.67	11.24
			For Anchoring Tabs, Add	22.82	
			For Angle Iron Frame, Add	36.48	
			For Rear Operated Opposed Blade Damper, Add	82.11	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	57.05	
			For Stainless Steel, Add	296.65	
23 37 13 00-0205	EA	14" x 4"	Steel Security Grille.....	173.38	9.03
			For Anchoring Tabs, Add	15.53	
			For Angle Iron Frame, Add	25.10	
			For Rear Operated Opposed Blade Damper, Add	56.17	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	38.83	
			For Stainless Steel, Add	201.92	
23 37 13 00-0206	EA	14" x 6"	Steel Security Grille.....	195.81	9.70
			For Anchoring Tabs, Add	17.64	
			For Angle Iron Frame, Add	28.40	
			For Rear Operated Opposed Blade Damper, Add	63.69	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	44.11	
			For Stainless Steel, Add	229.35	
23 37 13 00-0207	EA	14" x 8"	Steel Security Grille.....	218.66	10.58
			For Anchoring Tabs, Add	19.75	
			For Angle Iron Frame, Add	31.74	
			For Rear Operated Opposed Blade Damper, Add	71.24	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	49.38	
			For Stainless Steel, Add	256.76	
23 37 13 00-0208	EA	14" x 10"	Steel Security Grille.....	247.28	11.46
			For Anchoring Tabs, Add	22.44	
			For Angle Iron Frame, Add	35.95	
			For Rear Operated Opposed Blade Damper, Add	80.82	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	56.09	
			For Stainless Steel, Add	291.67	
23 37 13 00-0209	EA	14" x 12"	Steel Security Grille.....	272.49	12.56
			For Anchoring Tabs, Add	24.74	
			For Angle Iron Frame, Add	39.62	
			For Rear Operated Opposed Blade Damper, Add	89.09	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	61.84	
			For Stainless Steel, Add	321.58	
23 37 13 00-0210	EA	14" x 14"	Steel Security Grille.....	293.42	13.45
			For Anchoring Tabs, Add	26.65	
			For Angle Iron Frame, Add	42.67	
			For Rear Operated Opposed Blade Damper, Add	95.98	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	66.64	
			For Stainless Steel, Add	346.50	
23 37 13 00-0211	EA	16" x 6"	Steel Security Grille.....	209.07	10.58
			For Anchoring Tabs, Add	18.79	
			For Angle Iron Frame, Add	30.30	
			For Rear Operated Opposed Blade Damper, Add	67.89	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	46.98	
			For Stainless Steel, Add	244.30	
23 37 13 00-0212	EA	16" x 8"	Steel Security Grille.....	239.60	11.46
			For Anchoring Tabs, Add	21.67	
			For Angle Iron Frame, Add	34.79	
			For Rear Operated Opposed Blade Damper, Add	78.13	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	54.17	
			For Stainless Steel, Add	281.68	
23 37 13 00-0213	EA	16" x 10"	Steel Security Grille.....	258.62	12.34
			For Anchoring Tabs, Add	23.39	
			For Angle Iron Frame, Add	37.56	
			For Rear Operated Opposed Blade Damper, Add	84.35	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	58.49	
			For Stainless Steel, Add	304.12	
23 37 13 00-0214	EA	16" x 12"	Steel Security Grille.....	292.54	13.00
			For Anchoring Tabs, Add	26.65	
			For Angle Iron Frame, Add	42.58	
			For Rear Operated Opposed Blade Damper, Add	95.89	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	66.64	
			For Stainless Steel, Add	346.50	
23 37 13 00-0215	EA	16" x 14"	Steel Security Grille.....	309.65	13.88
			For Anchoring Tabs, Add	28.19	
			For Angle Iron Frame, Add	45.06	
			For Rear Operated Opposed Blade Damper, Add	101.44	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	70.47	
			For Stainless Steel, Add	366.44	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37	13 00-0216	EA	16" x 16" Steel Security Grille	336.34	14.76
			For Anchoring Tabs, Add	30.68	
			For Angle Iron Frame, Add	48.97	
			For Rear Operated Opposed Blade Damper, Add	110.34	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	76.70	
			For Stainless Steel, Add	398.85	
23 37	13 00-0217	EA	18" x 6" Steel Security Grille	221.31	11.90
			For Anchoring Tabs, Add	19.75	
			For Angle Iron Frame, Add	32.01	
			For Rear Operated Opposed Blade Damper, Add	71.51	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	49.38	
			For Stainless Steel, Add	256.76	
23 37	13 00-0218	EA	18" x 8" Steel Security Grille	253.75	12.78
			For Anchoring Tabs, Add	22.82	
			For Angle Iron Frame, Add	36.78	
			For Rear Operated Opposed Blade Damper, Add	82.42	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	57.05	
			For Stainless Steel, Add	296.65	
23 37	13 00-0219	EA	18" x 10" Steel Security Grille	278.53	13.66
			For Anchoring Tabs, Add	25.12	
			For Angle Iron Frame, Add	40.41	
			For Rear Operated Opposed Blade Damper, Add	90.65	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	62.80	
			For Stainless Steel, Add	326.56	
23 37	13 00-0220	EA	18" x 12" Steel Security Grille	307.14	14.54
			For Anchoring Tabs, Add	27.81	
			For Angle Iron Frame, Add	44.62	
			For Rear Operated Opposed Blade Damper, Add	100.23	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	69.51	
			For Stainless Steel, Add	361.47	
23 37	13 00-0221	EA	18" x 14" Steel Security Grille	329.71	14.33
			For Anchoring Tabs, Add	30.11	
			For Angle Iron Frame, Add	48.02	
			For Rear Operated Opposed Blade Damper, Add	108.24	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	75.27	
			For Stainless Steel, Add	391.38	
23 37	13 00-0222	EA	18" x 16" Steel Security Grille	361.71	14.99
			For Anchoring Tabs, Add	33.17	
			For Angle Iron Frame, Add	52.76	
			For Rear Operated Opposed Blade Damper, Add	119.11	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	82.94	
			For Stainless Steel, Add	431.26	
23 37	13 00-0223	EA	18" x 18" Steel Security Grille	387.96	15.64
			For Anchoring Tabs, Add	35.67	
			For Angle Iron Frame, Add	56.63	
			For Rear Operated Opposed Blade Damper, Add	127.96	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	89.17	
			For Stainless Steel, Add	463.67	
23 37	13 00-0224	EA	20" x 6" Steel Security Grille	236.93	13.00
			For Anchoring Tabs, Add	21.09	
			For Angle Iron Frame, Add	34.24	
			For Rear Operated Opposed Blade Damper, Add	76.43	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	52.73	
			For Stainless Steel, Add	274.21	
23 37	13 00-0225	EA	20" x 8" Steel Security Grille	268.35	14.33
			For Anchoring Tabs, Add	23.97	
			For Angle Iron Frame, Add	38.82	
			For Rear Operated Opposed Blade Damper, Add	86.76	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	59.93	
			For Stainless Steel, Add	311.61	
23 37	13 00-0226	EA	20" x 10" Steel Security Grille	296.51	14.99
			For Anchoring Tabs, Add	26.65	
			For Angle Iron Frame, Add	42.98	
			For Rear Operated Opposed Blade Damper, Add	96.29	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	66.64	
			For Stainless Steel, Add	346.50	
23 37	13 00-0227	EA	20" x 12" Steel Security Grille	327.03	15.87
			For Anchoring Tabs, Add	29.53	
			For Angle Iron Frame, Add	47.47	
			For Rear Operated Opposed Blade Damper, Add	106.53	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	73.83	
			For Stainless Steel, Add	383.89	
23 37	13 00-0228	EA	20" x 14" Steel Security Grille	360.95	16.53
			For Anchoring Tabs, Add	32.79	
			For Angle Iron Frame, Add	52.49	
			For Rear Operated Opposed Blade Damper, Add	118.07	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	81.98	
			For Stainless Steel, Add	426.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0229	EA		20" x 16" Steel Security Grille.....	391.05	17.19
			For Anchoring Tabs, Add	35.67	
			For Angle Iron Frame, Add	56.94	
			For Rear Operated Opposed Blade Damper, Add	128.27	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	89.17	
			For Stainless Steel, Add	463.67	
23 37 13 00-0230	EA		20" x 18" Steel Security Grille.....	419.20	17.85
			For Anchoring Tabs, Add	38.35	
			For Angle Iron Frame, Add	61.10	
			For Rear Operated Opposed Blade Damper, Add	137.80	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	95.88	
			For Stainless Steel, Add	498.56	
23 37 13 00-0231	EA		20" x 20" Steel Security Grille.....	453.13	18.51
			For Anchoring Tabs, Add	41.61	
			For Angle Iron Frame, Add	66.12	
			For Rear Operated Opposed Blade Damper, Add	149.34	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	104.03	
			For Stainless Steel, Add	540.94	
23 37 13 00-0232	EA		24" x 6" Steel Security Grille.....	263.02	14.54
			For Anchoring Tabs, Add	23.39	
			For Angle Iron Frame, Add	38.00	
			For Rear Operated Opposed Blade Damper, Add	84.79	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	58.49	
			For Stainless Steel, Add	304.12	
23 37 13 00-0233	EA		24" x 8" Steel Security Grille.....	298.27	15.87
			For Anchoring Tabs, Add	26.65	
			For Angle Iron Frame, Add	43.15	
			For Rear Operated Opposed Blade Damper, Add	96.46	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	66.64	
			For Stainless Steel, Add	346.50	
23 37 13 00-0234	EA		24" x 10" Steel Security Grille.....	327.92	16.30
			For Anchoring Tabs, Add	29.53	
			For Angle Iron Frame, Add	47.56	
			For Rear Operated Opposed Blade Damper, Add	106.62	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	73.83	
			For Stainless Steel, Add	383.89	
23 37 13 00-0235	EA		24" x 12" Steel Security Grille.....	367.88	18.07
			For Anchoring Tabs, Add	33.17	
			For Angle Iron Frame, Add	53.38	
			For Rear Operated Opposed Blade Damper, Add	119.72	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	82.94	
			For Stainless Steel, Add	431.26	
23 37 13 00-0236	EA		24" x 14" Steel Security Grille.....	397.96	18.73
			For Anchoring Tabs, Add	36.05	
			For Angle Iron Frame, Add	57.82	
			For Rear Operated Opposed Blade Damper, Add	129.92	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	90.13	
			For Stainless Steel, Add	468.65	
23 37 13 00-0237	EA		24" x 16" Steel Security Grille.....	435.72	19.39
			For Anchoring Tabs, Add	39.69	
			For Angle Iron Frame, Add	63.42	
			For Rear Operated Opposed Blade Damper, Add	142.81	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	99.24	
			For Stainless Steel, Add	516.02	
23 37 13 00-0238	EA		24" x 18" Steel Security Grille.....	479.22	20.05
			For Anchoring Tabs, Add	43.91	
			For Angle Iron Frame, Add	69.88	
			For Rear Operated Opposed Blade Damper, Add	157.70	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	109.78	
			For Stainless Steel, Add	570.86	
23 37 13 00-0239	EA		24" x 20" Steel Security Grille.....	509.31	20.72
			For Anchoring Tabs, Add	46.79	
			For Angle Iron Frame, Add	74.33	
			For Rear Operated Opposed Blade Damper, Add	167.90	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	116.97	
			For Stainless Steel, Add	608.26	
23 37 13 00-0240	EA		24" x 24" Steel Security Grille.....	573.32	22.03
			For Anchoring Tabs, Add	52.93	
			For Angle Iron Frame, Add	83.79	
			For Rear Operated Opposed Blade Damper, Add	189.64	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	132.31	
			For Stainless Steel, Add	688.03	
23 37 13 00-0241			Square Wall Return Air And Exhaust Grilles (23 37 13 00-0155)		
			Note: Egg crate design aluminum construction.		
23 37 13 00-0242	EA		8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	30.62	11.02
23 37 13 00-0243	EA		12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	33.26	11.02

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0244	EA		18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	49.57	16.53
23 37 13 00-0245	EA		24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	62.79	16.53
23 37 13 00-0246	EA		28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	103.56	22.03
23 37 13 00-0247	EA		36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	183.42	22.03
23 37 13 00-0248			Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 00-0155)		
			Note: Aluminum construction.		
23 37 13 00-0249	EA		12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	124.40	7.93
23 37 13 00-0250	EA		14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	144.41	7.93
23 37 13 00-0251	EA		18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	175.30	8.82
23 37 13 00-0252	EA		24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	210.86	8.82
23 37 13 00-0253	EA		36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	265.46	27.54
23 37 13 00-0254			Square Ceiling Return Air And Exhaust Grilles (23 37 13 00-0155)		
			Note: Egg crate design, plastic construction.		
23 37 13 00-0255	EA		24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	21.72	5.28
23 37 13 00-0256	EA		24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	32.68	5.32
23 37 13 00-0257			Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 00-0155)		
			Note: Painted steel louvers and frame.		
23 37 13 00-0258	EA		12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	68.11	7.93
23 37 13 00-0259	EA		12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	82.17	7.93
23 37 13 00-0260	EA		18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	106.62	8.37
23 37 13 00-0261	EA		24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	153.30	10.00
23 37 13 00-0262	EA		24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	168.96	18.38
23 37 13 00-0263			Stainless Steel Devices (23 37 13 00-0155)		
23 37 13 00-0264			304 Stainless Steel, Louvered Partition/Door Grilles (23 37 13 00-0263)		
23 37 13 00-0265	SF		Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	160.83	6.88
			For 316 Stainless Steel, Add	29.87	
23 37 13 00-0266	SF		>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	133.57	6.88
			For 316 Stainless Steel, Add	24.42	
23 37 13 00-0267			304 Stainless Steel, Single Deflection Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0268	SF		Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	118.47	6.88
			For 316 Stainless Steel, Add	21.40	
23 37 13 00-0269	SF		>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	98.65	6.88
			For 316 Stainless Steel, Add	17.44	
23 37 13 00-0270			304 Stainless Steel, Double Deflection Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0271	SF		Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	179.77	6.88
			For 316 Stainless Steel, Add	33.66	
23 37 13 00-0272	SF		>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	151.17	6.88
			For 316 Stainless Steel, Add	27.94	
23 37 13 00-0273			304 Stainless Steel Return Grilles (23 37 13 00-0263)		
23 37 13 00-0274	SF		Up To 4 SF, 304 Stainless Steel Return Grille	118.47	6.88
			For 316 Stainless Steel, Add	21.40	
23 37 13 00-0275	SF		>4 SF, 304 Stainless Steel Return Grille	98.65	6.88
			For 316 Stainless Steel, Add	17.44	
23 37 13 00-0276			304 Stainless Steel, Louvered Supply/Return Grilles (23 37 13 00-0263)		
23 37 13 00-0277	SF		Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	118.47	6.88
			For 316 Stainless Steel, Add	21.40	
23 37 13 00-0278	SF		>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	98.65	6.88
			For 316 Stainless Steel, Add	17.44	
23 37 13 00-0279			304 Stainless Steel, Perforated Return Grilles (23 37 13 00-0263)		
23 37 13 00-0280	SF		Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	118.47	6.88
			For 316 Stainless Steel, Add	21.40	
23 37 13 00-0281	SF		>4 SF, 304 Stainless Steel, Perforated Return Grille	93.20	6.88
			For 316 Stainless Steel, Add	16.35	
23 37 13 00-0282			304 Stainless Steel, Perforated Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0283	SF		Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	146.33	6.88
			For 316 Stainless Steel, Add	26.97	
23 37 13 00-0284	SF		>4 SF, 304 Stainless Steel, Perforated Supply Grille	96.10	6.88
			For 316 Stainless Steel, Add	16.93	
23 37 13 00-0285			304 Stainless Steel, Door Grilles (23 37 13 00-0263)		
23 37 13 00-0286	SF		Up To 4 SF, 304 Stainless Steel, Door Grille	225.48	6.88
			For 316 Stainless Steel, Add	42.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0287 SF >4 SF, 304 Stainless Steel, Door Grille <i>For 316 Stainless Steel, Add</i>	185.85 34.88	6.88
23 37 13 00-0288 304 Stainless Steel, Linear Bar Grilles (23 37 13 00-0263)		
23 37 13 00-0289 SF Up To 4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	291.98 56.10	6.88
23 37 13 00-0290 SF >4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	248.01 47.31	6.88
23 37 13 00-0291 304 Stainless Steel, Hinged Filter Grilles (23 37 13 00-0263)		
23 37 13 00-0292 SF Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	210.99 39.91	6.88
23 37 13 00-0293 SF >4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	141.63 26.03	6.88
23 37 13 00-0294 304 Stainless Steel, Opposed Blade Dampers Grilles (23 37 13 00-0263)		
23 37 13 00-0295 SF Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille..... <i>For 316 Stainless Steel, Add</i>	107.32 19.17	6.88
23 37 13 00-0296 SF Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF..... <i>For 316 Stainless Steel, Add</i>	78.47 13.40	6.88
23 37 13 00-0297 304 Stainless Steel, Plaster Frames Replacement (23 37 13 00-0263)		
Note: For frequent replacement.		
23 37 13 00-0298 SF To 4 SF, 304 Stainless Steel, Plaster Frames Replacement..... <i>For 316 Stainless Steel, Add</i>	80.57 13.82	6.88
23 37 13 00-0299 SF >4 SF, 304 Stainless Steel, Plaster Frames Replacement..... <i>For 316 Stainless Steel, Add</i>	36.35 4.98	6.88
23 37 13 00-0300 304 Stainless Steel, Modular Louvered Ceiling Diffusers (23 37 13 00-0263)		
23 37 13 00-0301 SF Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser..... <i>For 316 Stainless Steel, Add</i>	207.64 39.24	6.88
23 37 13 00-0302 SF >4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser..... <i>For 316 Stainless Steel, Add</i>	159.47 29.60	6.88
23 37 13 00-0303 304 Stainless Steel, Latticed Supply/Return Grilles (23 37 13 00-0263)		
23 37 13 00-0304 SF Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	63.85 10.48	6.88
23 37 13 00-0305 SF >4 SF, 304 Stainless Steel, Latticed Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	63.85 10.48	6.88
23 37 13 00-0306 Removal And Reinstallation Of Distribution Devices (23 37 13)		
Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 00-0307 EA Removal And Reinstallation Of Variable Air Volume Terminal Unit.....	82.61	
23 37 13 00-0308 EA Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit.....	91.11	
23 37 13 00-0309 EA Removal And Reinstallation Of Lay-in Diffuser/Register/Grille.....	13.66	
23 37 13 00-0310 EA Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille.....	18.49	
23 38 Ventilation Hoods (23 30)		
23 38 13 Commercial-Kitchen Hoods (23 38)		
23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)		
23 38 13 16-0001 Commercial Kitchen Hood Ventilation System (23 38 13 16)		
Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.		
23 38 13 16-0002 Dry Filter Exhaust Hoods (23 38 13 16-0001)		
Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.		
23 38 13 16-0003 EA 8' Long x 60" Deep Dry Filter Exhaust Hood.....	4,483.85	359.42
23 38 13 16-0004 EA 8'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	4,671.14	381.88
23 38 13 16-0005 EA 9' Long x 60" Deep Dry Filter Exhaust Hood.....	5,209.53	404.34
23 38 13 16-0006 EA 9'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	5,367.66	426.81
23 38 13 16-0007 EA 10' Long x 60" Deep Dry Filter Exhaust Hood.....	5,560.10	449.27
23 38 13 16-0008 EA 10'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	5,763.47	471.73
23 38 13 16-0009 EA 11' Long x 60" Deep Dry Filter Exhaust Hood.....	5,956.19	494.19
23 38 13 16-0010 EA 11'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	6,154.79	516.66
23 38 13 16-0011 EA 12' Long x 60" Deep Dry Filter Exhaust Hood.....	6,375.73	539.12
23 38 13 16-0012 EA 12'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	6,567.33	561.58
23 38 13 16-0013 EA 13' Long x 60" Deep Dry Filter Exhaust Hood.....	6,725.89	584.05
23 38 13 16-0014 EA 13'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	6,992.99	606.51
23 38 13 16-0015 EA 14' Long x 60" Deep Dry Filter Exhaust Hood.....	7,824.52	628.98
23 38 13 16-0016 EA 14'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	8,035.43	651.44
23 38 13 16-0017 EA 15' Long x 60" Deep Dry Filter Exhaust Hood.....	8,321.91	673.90
23 38 13 16-0018 EA 15'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	8,537.56	696.37
23 38 13 16-0019 EA 16' Long x 60" Deep Dry Filter Exhaust Hood.....	8,859.96	718.83

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 38 Ventilation Hoods**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0020			Dry Extractor Exhaust Hoods (23 38 13 16-0001) Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.		
23 38 13 16-0021	EA		8' Long x 60" Deep Dry Extractor Exhaust Hood	6,275.89	359.42
23 38 13 16-0022	EA		8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	6,474.52	381.88
23 38 13 16-0023	EA		9' Long x 60" Deep Dry Extractor Exhaust Hood	7,046.93	404.34
23 38 13 16-0024	EA		9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	7,250.43	426.81
23 38 13 16-0025	EA		10' Long x 60" Deep Dry Extractor Exhaust Hood	7,454.22	449.27
23 38 13 16-0026	EA		10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	7,646.24	471.73
23 38 13 16-0027	EA		11' Long x 60" Deep Dry Extractor Exhaust Hood	7,850.30	494.19
23 38 13 16-0028	EA		11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	8,043.24	516.66
23 38 13 16-0029	EA		12' Long x 60" Deep Dry Extractor Exhaust Hood	8,224.48	539.12
23 38 13 16-0030	EA		12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	8,484.13	561.58
23 38 13 16-0031	EA		13' Long x 60" Deep Dry Extractor Exhaust Hood	8,784.46	584.05
23 38 13 16-0032	EA		13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	9,102.60	606.51
23 38 13 16-0033	EA		14' Long x 60" Deep Dry Extractor Exhaust Hood	9,769.67	628.98
23 38 13 16-0034	EA		14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	10,094.00	651.44
23 38 13 16-0035	EA		15' Long x 60" Deep Dry Extractor Exhaust Hood	10,726.41	673.90
23 38 13 16-0036	EA		15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	11,367.39	696.37
23 38 13 16-0037	EA		16' Long x 60" Deep Dry Extractor Exhaust Hood	12,001.69	718.83
23 38 13 16-0038			Single Manifold Water Wash Exhaust Hoods (23 38 13 16-0001) Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.		
23 38 13 16-0039	EA		8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	6,729.57	359.42
23 38 13 16-0040	EA		8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	6,939.54	381.88
23 38 13 16-0041	EA		9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	7,523.29	404.34
23 38 13 16-0042	EA		9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	7,732.46	426.81
23 38 13 16-0043	EA		10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	7,953.26	449.27
23 38 13 16-0044	EA		10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	8,156.63	471.73
23 38 13 16-0045	EA		11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	8,366.36	494.19
23 38 13 16-0046	EA		11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	8,576.31	516.66
23 38 13 16-0047	EA		12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	8,763.22	539.12
23 38 13 16-0048	EA		12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	9,045.56	561.58
23 38 13 16-0049	EA		13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	9,368.58	584.05
23 38 13 16-0050	EA		13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	9,709.40	606.51
23 38 13 16-0051	EA		14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	10,399.15	628.98
23 38 13 16-0052	EA		14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	10,746.17	651.44
23 38 13 16-0053	EA		15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	11,440.96	673.90
23 38 13 16-0054	EA		15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	11,787.04	696.37
23 38 13 16-0055	EA		16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	12,132.13	718.83
23 38 13 16-0056	EA		Fan Wash Control Panel	4,826.67	179.70
			Note: Includes time clock and backflow preventer.		
23 38 13 16-0057			Utility Distribution System (UDS) (23 38 13 16-0001) Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058	EA		8' Long UDS	26,224.23	182.77
23 38 13 16-0059	EA		8'-6" Long UDS	27,000.19	187.21
23 38 13 16-0060	EA		9' Long UDS	27,767.75	191.56
23 38 13 16-0061	EA		9'-6" Long UDS	28,538.86	197.68
23 38 13 16-0062	EA		10' Long UDS	29,307.44	202.53
23 38 13 16-0063	EA		10'-6" Long UDS	30,068.25	207.65
23 38 13 16-0064	EA		11' Long UDS	30,842.44	211.20
23 38 13 16-0065	EA		11'-6" Long UDS	31,612.41	216.77
23 38 13 16-0066	EA		12' Long UDS	32,387.04	224.63
23 38 13 16-0067	EA		12'-6" Long UDS	33,167.28	235.32
23 38 13 16-0068	EA		13' Long UDS	33,939.98	242.25
23 38 13 16-0069	EA		13'-6" Long UDS	34,718.60	252.12
23 38 13 16-0070	EA		14' Long UDS	35,493.37	260.09
23 38 13 16-0071	EA		14'-6" Long UDS	36,269.19	268.57
23 38 13 16-0072	EA		15' Long UDS	37,046.15	277.65
23 38 13 16-0073	EA		15'-6" Long UDS	37,824.37	287.31
23 38 13 16-0074	EA		16' Long UDS	38,596.91	294.18
23 38 13 16-0075			Stainless Steel Exhaust Hood Material (23 38 13 16) Note: Welded seams.		
23 38 13 16-0076	SF		16 Gauge Stainless Steel Exhaust Hood Material	37.85	5.48
23 38 13 16-0077	SF		14 Gauge Stainless Steel Exhaust Hood Material	47.31	7.31
23 38 13 16-0078	SF		12 Gauge Stainless Steel Exhaust Hood Material	65.76	9.87
23 38 13 16-0079	SF		10 Gauge Stainless Steel Exhaust Hood Material	82.68	12.07
23 40 HVAC Air Cleaning Devices (23)					
23 41 Particulate Air Filtration (23 40)					
23 41 13 Panel Air Filters (23 41)					
23 41 13 00-0001 Disposable Air Filters (23 41 13)					
23 41 13 00-0002	EA		Throwaway Glass Or Paper Media Filter, Residential	10.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 41 13 00-0003	Electrostatic Air Filters With Frame, Element And Busbar <small>(23 41 13)</small>	
23 41 13 00-0004	MF3 Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar	99.53
23 41 13 00-0005	MF3 Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar	96.12
23 41 13 00-0006	MF3 Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	4.15

23 41 16 Renewable-Media Air Filters (23 41)

23 41 16 00-0001	Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar <small>(23 41 16)</small>	
23 41 16 00-0002	MF3 Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	171.27

23 41 19 Washable Air Filters (23 41)

23 41 19 00-0001	Washable Electrostatic Air Filters With Frame, Element And Busbar <small>(23 41 19)</small>	
23 41 19 00-0002	MF3 Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	65.39

23 41 33 High-Efficiency Particulate Filtration (23 41)

23 41 33 00-0001 **HEPA Filters** (23 41 33)
 Note: Includes particle board and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.

23 41 33 00-0002	HEPA Filters DOP Efficiency-95% <small>(23 41 33 00-0001)</small>	
23 41 33 00-0003	EA 12" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 150 CFM, Complete	142.04
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.23
	<i>For >10 To 25, Deduct</i>	-3.55
	<i>For >25 To 50, Deduct</i>	-7.10
	<i>For >50 To 100, Deduct</i>	-10.65
	<i>For >100, Deduct</i>	-14.20
23 41 33 00-0004	EA 24" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 375 CFM, Complete	195.16
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.41
	<i>For >10 To 25, Deduct</i>	-4.88
	<i>For >25 To 50, Deduct</i>	-9.76
	<i>For >50 To 100, Deduct</i>	-14.64
	<i>For >100, Deduct</i>	-19.52
23 41 33 00-0005	EA 24" x 18" x 6" HEPA Filter, 95% DOP Efficiency, 450 CFM, Complete	228.94
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.63
	<i>For >10 To 25, Deduct</i>	-5.72
	<i>For >25 To 50, Deduct</i>	-11.45
	<i>For >50 To 100, Deduct</i>	-17.17
	<i>For >100, Deduct</i>	-22.89
23 41 33 00-0006	EA 24" x 24" x 6" HEPA Filter, 95% DOP Efficiency, 700 CFM, Complete	262.77
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.85
	<i>For >10 To 25, Deduct</i>	-6.57
	<i>For >25 To 50, Deduct</i>	-13.14
	<i>For >50 To 100, Deduct</i>	-19.71
	<i>For >100, Deduct</i>	-26.28
23 41 33 00-0007	EA 12" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 250 CFM, Complete	178.01
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.32
	<i>For >10 To 25, Deduct</i>	-4.45
	<i>For >25 To 50, Deduct</i>	-8.90
	<i>For >50 To 100, Deduct</i>	-13.35
	<i>For >100, Deduct</i>	-17.80
23 41 33 00-0008	EA 24" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 500 CFM, Complete	245.42
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.54
	<i>For >10 To 25, Deduct</i>	-6.14
	<i>For >25 To 50, Deduct</i>	-12.27
	<i>For >50 To 100, Deduct</i>	-18.41
	<i>For >100, Deduct</i>	-24.54
23 41 33 00-0009	EA 24" x 18" x 12" HEPA Filter, 95% DOP Efficiency, 875 CFM, Complete	295.57
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.76
	<i>For >10 To 25, Deduct</i>	-7.39
	<i>For >25 To 50, Deduct</i>	-14.78
	<i>For >50 To 100, Deduct</i>	-22.17
	<i>For >100, Deduct</i>	-29.56
23 41 33 00-0010	EA 24" x 24" x 12" HEPA Filter, 95% DOP Efficiency, 1,000 CFM, Complete	347.91
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.20
	<i>For >10 To 25, Deduct</i>	-8.70
	<i>For >25 To 50, Deduct</i>	-17.40
	<i>For >50 To 100, Deduct</i>	-26.09
	<i>For >100, Deduct</i>	-34.79

23 41 33 00-0011 **HEPA Filters DOP Efficiency-99.99%** (23 41 33 00-0001)

23 41 33 00-0012	EA 12" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	120.47
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.10
	<i>For >10 To 25, Deduct</i>	-3.01
	<i>For >25 To 50, Deduct</i>	-6.02
	<i>For >50 To 100, Deduct</i>	-9.04
	<i>For >100, Deduct</i>	-12.05

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 41 33 00-0013	EA 24" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	172.28	6.61
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.32	
	<i>For >10 To 25, Deduct</i>	-4.31	
	<i>For >25 To 50, Deduct</i>	-8.61	
	<i>For >50 To 100, Deduct</i>	-12.92	
	<i>For >100, Deduct</i>	-17.23	
23 41 33 00-0014	EA 24" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	276.76	7.72
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.54	
	<i>For >10 To 25, Deduct</i>	-6.92	
	<i>For >25 To 50, Deduct</i>	-13.84	
	<i>For >50 To 100, Deduct</i>	-20.76	
	<i>For >100, Deduct</i>	-27.68	
23 41 33 00-0015	EA 36" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	361.86	8.82
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.76	
	<i>For >10 To 25, Deduct</i>	-9.05	
	<i>For >25 To 50, Deduct</i>	-18.09	
	<i>For >50 To 100, Deduct</i>	-27.14	
	<i>For >100, Deduct</i>	-36.19	
23 41 33 00-0016	EA 8" x 8" x 6" HEPA Filter, 99.99% DOP Efficiency, Complete	118.18	4.40
	<i>For Removal And Replacement In Existing Equipment, Add</i>	0.88	
	<i>For >10 To 25, Deduct</i>	-2.95	
	<i>For >25 To 50, Deduct</i>	-5.91	
	<i>For >50 To 100, Deduct</i>	-8.86	
	<i>For >100, Deduct</i>	-11.82	
23 41 33 00-0017	EA 12" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 150 CFM, Complete	156.02	5.95
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.19	
	<i>For >10 To 25, Deduct</i>	-3.90	
	<i>For >25 To 50, Deduct</i>	-7.80	
	<i>For >50 To 100, Deduct</i>	-11.70	
	<i>For >100, Deduct</i>	-15.60	
23 41 33 00-0018	EA 24" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 325 CFM, Complete	215.27	7.05
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.41	
	<i>For >10 To 25, Deduct</i>	-5.38	
	<i>For >25 To 50, Deduct</i>	-10.76	
	<i>For >50 To 100, Deduct</i>	-16.15	
	<i>For >100, Deduct</i>	-21.53	
23 41 33 00-0019	EA 24" x 18" x 6" HEPA Filter, 99.99% DOP Efficiency, 550 CFM, Complete	252.80	8.26
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.65	
	<i>For >10 To 25, Deduct</i>	-6.32	
	<i>For >25 To 50, Deduct</i>	-12.64	
	<i>For >50 To 100, Deduct</i>	-18.96	
	<i>For >100, Deduct</i>	-25.28	
23 41 33 00-0020	EA 24" x 24" x 6" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete	289.91	9.26
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.85	
	<i>For >10 To 25, Deduct</i>	-7.25	
	<i>For >25 To 50, Deduct</i>	-14.50	
	<i>For >50 To 100, Deduct</i>	-21.74	
	<i>For >100, Deduct</i>	-28.99	
23 41 33 00-0021	EA 12" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 250 CFM, Complete	196.31	6.61
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.32	
	<i>For >10 To 25, Deduct</i>	-4.91	
	<i>For >25 To 50, Deduct</i>	-9.82	
	<i>For >50 To 100, Deduct</i>	-14.72	
	<i>For >100, Deduct</i>	-19.63	
23 41 33 00-0022	EA 24" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 500 CFM, Complete	270.99	7.72
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.54	
	<i>For >10 To 25, Deduct</i>	-6.77	
	<i>For >25 To 50, Deduct</i>	-13.55	
	<i>For >50 To 100, Deduct</i>	-20.32	
	<i>For >100, Deduct</i>	-27.10	
23 41 33 00-0023	EA 24" x 18" x 12" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete	326.45	8.82
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.76	
	<i>For >10 To 25, Deduct</i>	-8.16	
	<i>For >25 To 50, Deduct</i>	-16.32	
	<i>For >50 To 100, Deduct</i>	-24.48	
	<i>For >100, Deduct</i>	-32.65	
23 41 33 00-0024	EA 24" x 24" x 12" HEPA Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	401.33	11.02
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.20	
	<i>For >10 To 25, Deduct</i>	-10.03	
	<i>For >25 To 50, Deduct</i>	-20.07	
	<i>For >50 To 100, Deduct</i>	-30.10	
	<i>For >100, Deduct</i>	-40.13	

23 41 33 00-0025 HEPA Filter Housings, 14 Gauge Galvanized Sheet Metal (23 41 33)

Note: Nominal sizes.

23 41 33 00-0026	EA 12" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	252.55	32.89
23 41 33 00-0027	EA 24" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	446.75	65.38
23 41 33 00-0028	EA 24" x 18" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	459.26	65.38
23 41 33 00-0029	EA 24" x 24" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	467.59	65.38
23 41 33 00-0030	EA 24" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	525.95	65.38
23 41 33 00-0031	EA 24" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	598.90	65.38
23 41 33 00-0032	EA 48" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	843.47	131.17
23 41 33 00-0033	EA 48" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,020.63	131.17
23 41 33 00-0034	EA 48" x 96" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,245.72	131.17
23 41 33 00-0035	EA 12" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	287.98	32.89
23 41 33 00-0036	EA 24" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	507.19	65.38
23 41 33 00-0037	EA 24" x 18" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	521.78	65.38
23 41 33 00-0038	EA 24" x 24" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	532.20	65.38
23 41 33 00-0039	EA 24" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	600.98	65.38



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0040	EA		24" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	692.69	65.38
23 41 33 00-0041	EA		48" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	989.36	131.17
23 41 33 00-0042	EA		48" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,210.29	131.17
23 41 33 00-0043	EA		48" x 96" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,489.57	131.17
23 41 33 00-0044			Filter, Bag Type, 90-95% Efficiency (23 41 33)		
23 41 33 00-0045	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	147.43	42.63
23 41 33 00-0046	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	205.75	42.63
23 41 33 00-0047			Filter, Bag Type, 80-85% Efficiency (23 41 33)		
23 41 33 00-0048	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	140.73	42.63
23 41 33 00-0049	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	183.76	42.63
23 42 Gas-Phase Air Filtration (23 40)					
23 42 13 Activated-Carbon Air Filtration (23 42)					
23 42 13 00-0001	EA		12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	51.33	3.30
23 42 13 00-0002	EA		16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	52.05	3.30
23 42 13 00-0003	EA		16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	52.49	3.30
23 42 13 00-0004	EA		20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	52.49	3.30
23 42 13 00-0005	EA		20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	57.96	3.30
23 42 13 00-0006	EA		24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	66.95	3.30
23 42 13 00-0007	EA		12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	66.43	3.75
23 42 13 00-0008	EA		16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	67.04	3.75
23 42 13 00-0009	EA		16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	67.56	3.75
23 42 13 00-0010	EA		20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	67.56	3.75
23 42 13 00-0011	EA		20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	73.60	3.75
23 42 13 00-0012	EA		24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	90.45	3.75
23 42 13 00-0013	EA		16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	26.31	3.30
23 42 13 00-0014	EA		16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	28.91	3.30
23 42 13 00-0015	EA		20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	29.01	3.30
23 42 13 00-0016	EA		20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	32.41	3.30
23 42 13 00-0017	EA		24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	35.44	3.30
23 42 13 00-0018	EA		16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	30.75	3.75
23 42 13 00-0019	EA		16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	35.28	3.75
23 42 13 00-0020	EA		20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	36.24	3.75
23 42 13 00-0021	EA		20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	41.86	3.75
23 42 13 00-0022	EA		24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	45.43	3.75
23 42 13 00-0023	EA		24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	82.67	3.97
23 44 Ultraviolet HVAC Microbial Control (23 40)					
23 44 00 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures (23 44)					
23 44 00 00-0002	EA		18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO)	439.00	34.04
			Note: Includes tube.		
23 44 00 00-0003	EA		24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO)	458.25	35.73
			Note: Includes tube.		
23 44 00 00-0004	EA		30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO)	459.31	37.26
			Note: Includes tube.		
23 44 00 00-0005	EA		36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO)	480.76	39.14
			Note: Includes tube.		
23 44 00 00-0006	EA		42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO)	520.47	40.83
			Note: Includes tube.		
23 44 00 00-0007	EA		62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO)	598.17	42.10
			Note: Includes tube.		
23 44 00 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 44)					
23 44 00 00-0009	EA		12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO)	385.64	23.58
			Note: Includes tube.		
23 44 00 00-0010	EA		16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO)	391.47	25.52
			Note: Includes tube.		
23 44 00 00-0011	EA		20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO)	397.48	27.05
			Note: Includes tube.		
23 44 00 00-0012	EA		24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO)	396.45	29.10
			Note: Includes tube.		
23 44 00 00-0013	EA		30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO)	412.13	30.62
			Note: Includes tube.		
23 44 00 00-0014	EA		36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO)	421.06	32.16
			Note: Includes tube.		
23 44 00 00-0015	EA		42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO)	430.05	34.19
			Note: Includes tube.		
23 44 00 00-0016	EA		12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO)	454.67	23.58
			Note: Includes tube.		
23 44 00 00-0017	EA		16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO)	460.50	25.52
			Note: Includes tube.		
23 44 00 00-0018	EA		20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO)	466.50	27.05
			Note: Includes tube.		
23 44 00 00-0019	EA		24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO)	465.48	29.10
			Note: Includes tube.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 44 Ultraviolet HVAC Microbial Control**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 44 00 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	481.16		30.62
23 44 00 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	490.09		32.16
23 44 00 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	499.08		34.19
23 44 00 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	310.30		25.52
23 44 00 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	316.31		27.05
23 44 00 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	315.28		29.10
23 44 00 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	330.96		30.62
23 44 00 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	339.89		32.16
23 44 00 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	348.88		34.19
23 44 00 00-0029		Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 44)			
23 44 00 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	268.68		32.67
23 44 00 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	274.45		34.19
23 44 00 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	280.22		35.73
23 44 00 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	288.08		37.26
23 44 00 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	298.32		39.14
23 44 00 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	307.31		40.83
23 44 00 00-0036		Ultraviolet HVAC Microbial Control Replacement Parts (23 44)			
23 44 00 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO) 71.03			
23 44 00 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO) 74.70			
23 44 00 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO) 85.05			
23 44 00 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO) 98.38			
23 44 00 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO) 112.01			
23 44 00 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO) 138.48			
23 44 00 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO) 69.50			
23 44 00 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO) 73.29			
23 44 00 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO) 77.25			
23 44 00 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO) 74.19			
23 44 00 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO) 87.82			
23 44 00 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO) 94.71			
23 44 00 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO) 101.66			
23 44 00 00-0050	EA	Replacement Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire) 209.21			
23 44 00 00-0051		Ultraviolet HVAC Microbial Control Mounting Accessories (23 44)			
23 44 00 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) 359.63 Note: Includes 61" emitter, power supply, wires and connectors.			
23 44 00 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) 467.76 Note: Includes 61" emitter, power supply, wires and connectors.			
23 44 00 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) 201.69 Note: Includes power supply, wires and connectors. Excludes emitter.			
23 44 00 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) 214.93 Note: Includes power supply, wires and connectors. Excludes emitter.			
23 44 00 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) 292.70 Note: Includes power supply, wires and connectors. Excludes emitter.			
23 44 00 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) 176.47 Note: Includes power supply, wires and connectors. Excludes emitter.			
23 44 00 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) 192.75 Note: Includes power supply, wires and connectors. Excludes emitter.			
23 44 00 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) 246.72 Note: Includes power supply, wires and connectors. Excludes emitter.			
23 44 00 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) 242.96 Note: Includes power supply, wires and connectors. Excludes emitter.			
23 44 00 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101) 9.05			
23 44 00 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111) 29.89			
23 44 00 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112) 9.64			
23 44 00 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113) 8.99			
23 44 00 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104) 27.21			
23 44 00 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114) 35.23			
23 44 00 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108) 31.05			
23 44 00 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115) 24.79			
23 44 00 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109) 23.30			
23 44 00 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223) 11.61			
23 44 00 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603) 26.46			
23 44 00 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100) 11.67			
23 44 00 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503) 50.35			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 44 00 00-0074 EA Interlock Switch (16 Amps At 125 Volt, 10 Amps At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	53.15	
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23 50 Central Heating Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 51 Breechings, Chimneys, And Stacks (23 50)

23 51 13 Draft Control Devices (23 51)

23 51 13 13 Draft-Induction Fans (23 51 13)

23 51 13 13-0001 Vertical Discharge Fans (23 51 13 13)
Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0003 EA 450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,758.69	89.33
23 51 13 13-0004 EA 950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,280.34	97.46
23 51 13 13-0005 EA 1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	5,185.09	107.61
23 51 13 13-0006 EA 1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	6,855.22	124.87

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0008 EA 700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,568.16	97.46
23 51 13 13-0009 EA 1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,627.35	107.61
23 51 13 13-0010 EA 2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	7,376.72	125.89
23 51 13 13-0011 EA 3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	8,775.98	141.11

23 51 13 13-0012 Accessories For Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0013 EA Modulating Fan Controller And Sensor.....	439.96	30.46
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23 51 13 16 Vent Dampers (23 51 13)

23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade (23 51 13 16)

23 51 13 16-0002 EA 3" Round Flue Shutter Draft Control Damper	252.28	18.03
23 51 13 16-0003 EA 4" Round Flue Shutter Draft Control Damper	275.84	19.12
23 51 13 16-0004 EA 5" Round Flue Shutter Draft Control Damper	303.53	20.31
23 51 13 16-0005 EA 6" Round Flue Shutter Draft Control Damper	324.25	21.66
23 51 13 16-0006 EA 7" Round Flue Shutter Draft Control Damper	353.47	23.20
23 51 13 16-0007 EA 8" Round Flue Shutter Draft Control Damper	375.90	24.97
23 51 13 16-0008 EA 10" Round Flue Shutter Draft Control Damper	414.95	27.08
23 51 13 16-0009 EA 12" Round Flue Shutter Draft Control Damper	455.39	29.53
23 51 13 16-0010 EA 14" Round Flue Shutter Draft Control Damper	507.23	30.96
23 51 13 16-0011 EA 16" Round Flue Shutter Draft Control Damper	543.96	32.49
23 51 13 16-0012 EA 18" Round Flue Shutter Draft Control Damper	592.61	34.11
23 51 13 16-0013 EA 20" Round Flue Shutter Draft Control Damper	718.16	54.01
23 51 13 16-0014 EA 22" Round Flue Shutter Draft Control Damper	785.23	57.36
23 51 13 16-0015 EA 24" Round Flue Shutter Draft Control Damper	849.34	60.91
23 51 13 16-0016 EA 26" Round Flue Shutter Draft Control Damper	865.05	62.94
23 51 13 16-0017 EA 28" Round Flue Shutter Draft Control Damper	892.35	64.97
23 51 13 16-0018 EA 30" Round Flue Shutter Draft Control Damper	920.10	69.04
23 51 13 16-0019 EA 32" Round Flue Shutter Draft Control Damper	958.96	71.02
23 51 13 16-0020 EA 34" Round Flue Shutter Draft Control Damper	1,001.89	75.08
23 51 13 16-0021 EA 36" Round Flue Shutter Draft Control Damper	1,053.18	81.21
23 51 13 16-0022 EA 38" Round Flue Shutter Draft Control Damper	1,104.78	84.00
23 51 13 16-0023 EA 40" Round Flue Shutter Draft Control Damper	1,150.74	85.28
23 51 13 16-0024 EA 42" Round Flue Shutter Draft Control Damper	1,207.11	89.33
23 51 13 16-0025 EA 44" Round Flue Shutter Draft Control Damper	1,263.76	93.40
23 51 13 16-0026 EA 46" Round Flue Shutter Draft Control Damper	1,320.55	97.46
23 51 13 16-0027 EA 48" Round Flue Shutter Draft Control Damper	1,377.13	101.52

23 51 13 19 Barometric Dampers (23 51 13)

23 51 13 19-0001 Barometric Dampers (23 51 13 19)

23 51 13 19-0002 EA 6" x 6" Barometric Damper	109.81	3.53
23 51 13 19-0003 EA 12" x 12" Barometric Damper	158.41	4.84
23 51 13 19-0004 EA 18" x 18" Barometric Damper	213.94	7.49
23 51 13 19-0005 EA 24" x 24" Barometric Damper	263.52	14.09
23 51 13 19-0006 EA 6" Diameter Barometric Damper	56.34	3.53
For Stainless Steel, Add	55.47	
23 51 13 19-0007 EA 7" Diameter Barometric Damper	66.55	3.96
For Stainless Steel, Add	65.90	
23 51 13 19-0008 EA 8" Diameter Barometric Damper	77.23	4.41
For Stainless Steel, Add	76.43	
23 51 13 19-0009 EA 9" Diameter Barometric Damper	93.85	4.41
For Stainless Steel, Add	96.81	
23 51 13 19-0010 EA 10" Diameter Barometric Damper	121.79	5.29
For Stainless Steel, Add	131.90	
23 51 13 19-0011 EA 12" Diameter Barometric Damper	153.50	5.72
For Stainless Steel, Add	170.11	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 19-0012	EA		14" Diameter Barometric Damper	191.67	6.17
			<i>For Stainless Steel, Add</i>	216.96	
23 51 13 19-0013	EA		15" Diameter Barometric Damper	227.93	6.61
			<i>For Stainless Steel, Add</i>	260.75	
23 51 13 19-0014	EA		16" Diameter Barometric Damper	263.58	7.49
			<i>For Stainless Steel, Add</i>	304.47	
23 51 13 19-0015	EA		18" Diameter Barometric Damper	344.63	7.93
			<i>For Stainless Steel, Add</i>	406.78	
23 51 13 19-0016	EA		20" Diameter Barometric Damper	409.03	8.81
			<i>For Stainless Steel, Add</i>	486.92	
23 51 13 19-0017	EA		24" Diameter Barometric Damper	491.20	8.81
			<i>For Stainless Steel, Add</i>	591.70	
23 51 13 19-0018	EA		30" Diameter Barometric Damper	603.84	10.13
			<i>For Stainless Steel, Add</i>	733.45	
23 51 13 19-0019	EA		36" Diameter Barometric Damper	767.12	10.58
			<i>For Stainless Steel, Add</i>	943.01	
23 51 16	Fabricated Breechings And Accessories (23 51)				
23 51 16 00-0001			Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0002			Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)		
23 51 16 00-0003	LF		3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	15.26	3.61
			<i>For Aluminum Liner, Add</i>	0.34	
			<i>For Stainless Steel Liner, Add</i>	0.47	
			<i>For 2" Wall Instead Of 1", Add</i>	2.78	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	4.61	
23 51 16 00-0004	LF		4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	16.98	3.81
			<i>For Aluminum Liner, Add</i>	0.42	
			<i>For Stainless Steel Liner, Add</i>	0.57	
			<i>For 2" Wall Instead Of 1", Add</i>	3.23	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.31	
23 51 16 00-0005	LF		5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	19.13	4.07
			<i>For Aluminum Liner, Add</i>	0.50	
			<i>For Stainless Steel Liner, Add</i>	0.68	
			<i>For 2" Wall Instead Of 1", Add</i>	3.73	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.10	
23 51 16 00-0006	LF		6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	21.26	4.35
			<i>For Aluminum Liner, Add</i>	0.58	
			<i>For Stainless Steel Liner, Add</i>	0.79	
			<i>For 2" Wall Instead Of 1", Add</i>	4.24	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.89	
23 51 16 00-0007	LF		7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	26.90	4.63
			<i>For Aluminum Liner, Add</i>	0.85	
			<i>For Stainless Steel Liner, Add</i>	1.17	
			<i>For 2" Wall Instead Of 1", Add</i>	5.80	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.27	
23 51 16 00-0008	LF		8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	29.91	5.00
			<i>For Aluminum Liner, Add</i>	0.95	
			<i>For Stainless Steel Liner, Add</i>	1.30	
			<i>For 2" Wall Instead Of 1", Add</i>	6.45	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.31	
23 51 16 00-0009	LF		10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	50.18	5.36
			<i>For Aluminum Liner, Add</i>	2.01	
			<i>For Stainless Steel Liner, Add</i>	2.74	
			<i>For 2" Wall Instead Of 1", Add</i>	12.33	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	19.17	
23 51 16 00-0010	LF		12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	63.81	5.93
			<i>For Aluminum Liner, Add</i>	2.70	
			<i>For Stainless Steel Liner, Add</i>	3.68	
			<i>For 2" Wall Instead Of 1", Add</i>	16.19	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.02	
23 51 16 00-0011	LF		14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	97.80	6.17
			<i>For Aluminum Liner, Add</i>	4.53	
			<i>For Stainless Steel Liner, Add</i>	6.17	
			<i>For 2" Wall Instead Of 1", Add</i>	26.25	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	40.14	
23 51 16 00-0012	LF		16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	127.18	6.50
			<i>For Aluminum Liner, Add</i>	6.11	
			<i>For Stainless Steel Liner, Add</i>	8.33	
			<i>For 2" Wall Instead Of 1", Add</i>	34.92	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	53.19	
23 51 16 00-0013	LF		18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	160.63	6.82
			<i>For Aluminum Liner, Add</i>	7.89	
			<i>For Stainless Steel Liner, Add</i>	10.75	
			<i>For 2" Wall Instead Of 1", Add</i>	44.74	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	67.97	
23 51 16 00-0014	LF		20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	196.97	10.84
			<i>For Aluminum Liner, Add</i>	9.36	
			<i>For Stainless Steel Liner, Add</i>	12.77	
			<i>For 2" Wall Instead Of 1", Add</i>	53.74	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	81.95	
23 51 16 00-0015	LF		22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	243.52	11.45
			<i>For Aluminum Liner, Add</i>	11.80	
			<i>For Stainless Steel Liner, Add</i>	16.10	
			<i>For 2" Wall Instead Of 1", Add</i>	67.28	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	102.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0016	LF		24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	295.28	12.19
			For Aluminum Liner, Add	14.55	
			For Stainless Steel Liner, Add	19.84	
			For 2" Wall Instead Of 1", Add	82.44	
			For 3" To 4" Wall Instead Of 1", Add	125.20	
23 51 16 00-0017	LF		26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	349.66	12.59
			For Aluminum Liner, Add	17.50	
			For Stainless Steel Liner, Add	23.87	
			For 2" Wall Instead Of 1", Add	98.61	
			For 3" To 4" Wall Instead Of 1", Add	149.49	
23 51 16 00-0018	LF		28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	367.36	13.00
			For Aluminum Liner, Add	18.42	
			For Stainless Steel Liner, Add	25.12	
			For 2" Wall Instead Of 1", Add	103.71	
			For 3" To 4" Wall Instead Of 1", Add	157.19	
23 51 16 00-0019	LF		30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	390.01	13.93
			For Aluminum Liner, Add	19.54	
			For Stainless Steel Liner, Add	26.64	
			For 2" Wall Instead Of 1", Add	110.05	
			For 3" To 4" Wall Instead Of 1", Add	166.81	
23 51 16 00-0020	LF		32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	446.80	14.46
			For Aluminum Liner, Add	22.59	
			For Stainless Steel Liner, Add	30.81	
			For 2" Wall Instead Of 1", Add	126.83	
			For 3" To 4" Wall Instead Of 1", Add	192.05	
23 51 16 00-0021	LF		34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	505.54	14.99
			For Aluminum Liner, Add	25.75	
			For Stainless Steel Liner, Add	35.11	
			For 2" Wall Instead Of 1", Add	144.17	
			For 3" To 4" Wall Instead Of 1", Add	218.13	
23 51 16 00-0022	LF		36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	532.94	15.59
			For Aluminum Liner, Add	27.17	
			For Stainless Steel Liner, Add	37.05	
			For 2" Wall Instead Of 1", Add	152.09	
			For 3" To 4" Wall Instead Of 1", Add	230.09	
23 51 16 00-0023	LF		38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	580.82	16.24
			For Aluminum Liner, Add	29.71	
			For Stainless Steel Liner, Add	40.52	
			For 2" Wall Instead Of 1", Add	166.13	
			For 3" To 4" Wall Instead Of 1", Add	251.23	
23 51 16 00-0024	LF		40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	643.66	16.93
			For Aluminum Liner, Add	33.07	
			For Stainless Steel Liner, Add	45.10	
			For 2" Wall Instead Of 1", Add	184.63	
			For 3" To 4" Wall Instead Of 1", Add	279.06	
23 51 16 00-0025	LF		42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	673.39	17.70
			For Aluminum Liner, Add	34.60	
			For Stainless Steel Liner, Add	47.18	
			For 2" Wall Instead Of 1", Add	193.15	
			For 3" To 4" Wall Instead Of 1", Add	291.95	
23 51 16 00-0026	LF		44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	749.49	18.55
			For Aluminum Liner, Add	38.67	
			For Stainless Steel Liner, Add	52.73	
			For 2" Wall Instead Of 1", Add	215.56	
			For 3" To 4" Wall Instead Of 1", Add	325.67	
23 51 16 00-0027	LF		46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	816.57	19.49
			For Aluminum Liner, Add	42.23	
			For Stainless Steel Liner, Add	57.59	
			For 2" Wall Instead Of 1", Add	235.22	
			For 3" To 4" Wall Instead Of 1", Add	355.27	
23 51 16 00-0028	LF		48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	902.28	20.51
			For Aluminum Liner, Add	46.81	
			For Stainless Steel Liner, Add	63.83	
			For 2" Wall Instead Of 1", Add	260.45	
			For 3" To 4" Wall Instead Of 1", Add	393.23	
23 51 16 00-0029			90 Degree Elbows (23 51 16 00-0001)		
23 51 16 00-0030	EA		3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	46.57	7.23
			For Aluminum Liner, Add	1.58	
			For Stainless Steel Liner, Add	2.15	
			For 2" Wall Instead Of 1", Add	10.39	
			For 3" To 4" Wall Instead Of 1", Add	16.48	
23 51 16 00-0031	EA		4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	52.87	7.63
			For Aluminum Liner, Add	1.86	
			For Stainless Steel Liner, Add	2.54	
			For 2" Wall Instead Of 1", Add	12.05	
			For 3" To 4" Wall Instead Of 1", Add	19.03	
23 51 16 00-0032	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	60.61	8.12
			For Aluminum Liner, Add	2.22	
			For Stainless Steel Liner, Add	3.03	
			For 2" Wall Instead Of 1", Add	14.14	
			For 3" To 4" Wall Instead Of 1", Add	22.22	
23 51 16 00-0033	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	68.42	8.65
			For Aluminum Liner, Add	2.58	
			For Stainless Steel Liner, Add	3.52	
			For 2" Wall Instead Of 1", Add	16.23	
			For 3" To 4" Wall Instead Of 1", Add	25.42	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0034	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	85.81	9.26
			For Aluminum Liner, Add	3.45	
			For Stainless Steel Liner, Add	4.71	
			For 2" Wall Instead Of 1", Add	21.14	
			For 3" To 4" Wall Instead Of 1", Add	32.86	
23 51 16 00-0035	EA		8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	103.60	9.99
			For Aluminum Liner, Add	4.32	
			For Stainless Steel Liner, Add	5.90	
			For 2" Wall Instead Of 1", Add	26.09	
			For 3" To 4" Wall Instead Of 1", Add	40.38	
23 51 16 00-0036	EA		10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	208.01	10.84
			For Aluminum Liner, Add	9.95	
			For Stainless Steel Liner, Add	13.56	
			For 2" Wall Instead Of 1", Add	56.97	
			For 3" To 4" Wall Instead Of 1", Add	86.82	
23 51 16 00-0037	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	257.56	11.82
			For Aluminum Liner, Add	12.54	
			For Stainless Steel Liner, Add	17.10	
			For 2" Wall Instead Of 1", Add	71.36	
			For 3" To 4" Wall Instead Of 1", Add	108.52	
23 51 16 00-0038	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	346.26	12.39
			For Aluminum Liner, Add	17.34	
			For Stainless Steel Liner, Add	23.65	
			For 2" Wall Instead Of 1", Add	97.69	
			For 3" To 4" Wall Instead Of 1", Add	148.08	
23 51 16 00-0039	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	435.02	13.00
			For Aluminum Liner, Add	22.14	
			For Stainless Steel Liner, Add	30.20	
			For 2" Wall Instead Of 1", Add	124.02	
			For 3" To 4" Wall Instead Of 1", Add	187.65	
23 51 16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	575.23	13.69
			For Aluminum Liner, Add	29.76	
			For Stainless Steel Liner, Add	40.58	
			For 2" Wall Instead Of 1", Add	165.72	
			For 3" To 4" Wall Instead Of 1", Add	250.30	
23 51 16 00-0041	EA		20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	801.19	21.65
			For Aluminum Liner, Add	41.09	
			For Stainless Steel Liner, Add	56.03	
			For 2" Wall Instead Of 1", Add	229.52	
			For 3" To 4" Wall Instead Of 1", Add	346.99	
23 51 16 00-0042	EA		22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,079.59	22.94
			For Aluminum Liner, Add	56.22	
			For Stainless Steel Liner, Add	76.67	
			For 2" Wall Instead Of 1", Add	312.41	
			For 3" To 4" Wall Instead Of 1", Add	471.48	
23 51 16 00-0043	EA		24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,224.75	24.36
			For Aluminum Liner, Add	64.01	
			For Stainless Steel Liner, Add	87.28	
			For 2" Wall Instead Of 1", Add	355.23	
			For 3" To 4" Wall Instead Of 1", Add	535.89	
23 51 16 00-0044			45 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0045	EA		3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	34.54	7.23
			For Aluminum Liner, Add	0.91	
			For Stainless Steel Liner, Add	1.24	
			For 2" Wall Instead Of 1", Add	6.76	
			For 3" To 4" Wall Instead Of 1", Add	11.04	
23 51 16 00-0046	EA		4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	38.58	7.63
			For Aluminum Liner, Add	1.07	
			For Stainless Steel Liner, Add	1.46	
			For 2" Wall Instead Of 1", Add	7.75	
			For 3" To 4" Wall Instead Of 1", Add	12.58	
23 51 16 00-0047	EA		5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	43.21	8.12
			For Aluminum Liner, Add	1.26	
			For Stainless Steel Liner, Add	1.72	
			For 2" Wall Instead Of 1", Add	8.90	
			For 3" To 4" Wall Instead Of 1", Add	14.37	
23 51 16 00-0048	EA		6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	49.07	8.65
			For Aluminum Liner, Add	1.51	
			For Stainless Steel Liner, Add	2.06	
			For 2" Wall Instead Of 1", Add	10.39	
			For 3" To 4" Wall Instead Of 1", Add	16.67	
23 51 16 00-0049	EA		7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	62.52	9.26
			For Aluminum Liner, Add	2.16	
			For Stainless Steel Liner, Add	2.95	
			For 2" Wall Instead Of 1", Add	14.12	
			For 3" To 4" Wall Instead Of 1", Add	22.33	
23 51 16 00-0050	EA		8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	70.18	9.99
			For Aluminum Liner, Add	2.49	
			For Stainless Steel Liner, Add	3.39	
			For 2" Wall Instead Of 1", Add	16.06	
			For 3" To 4" Wall Instead Of 1", Add	25.34	
23 51 16 00-0051	EA		10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	140.12	10.84
			For Aluminum Liner, Add	6.22	
			For Stainless Steel Liner, Add	8.48	
			For 2" Wall Instead Of 1", Add	36.62	
			For 3" To 4" Wall Instead Of 1", Add	56.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0052	EA		12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	172.04 7.84 10.69 45.71 70.04	11.82
23 51 16 00-0053	EA		14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	231.46 11.03 15.04 63.25 96.42	12.39
23 51 16 00-0054	EA		16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	284.10 13.84 18.87 78.74 119.73	13.00
23 51 16 00-0055	EA		18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	372.32 18.60 25.36 104.86 158.99	13.69
23 51 16 00-0056	EA		20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	435.37 20.98 28.60 119.81 182.42	21.61
23 51 16 00-0057	EA		22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	631.38 31.57 43.05 177.94 269.78	22.94
23 51 16 00-0058	EA		24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	788.23 40.00 54.55 224.30 339.49	24.36
23 51 16 00-0059	EA		26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	1,497.96 78.93 107.63 436.81 658.36	25.17
23 51 16 00-0060	EA		28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	1,539.30 81.09 110.58 448.80 676.45	25.99
23 51 16 00-0061	EA		30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	1,622.01 85.42 116.48 472.80 712.65	27.62
23 51 16 00-0062	EA		32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	1,820.61 96.23 131.22 531.98 801.52	28.43
23 51 16 00-0063	EA		34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	1,991.77 105.42 143.75 582.52 877.53	30.05
23 51 16 00-0064	EA		36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	2,046.99 108.12 147.44 597.87 900.86	32.49
23 51 16 00-0065	EA		38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	2,197.27 116.23 158.50 642.38 967.77	33.62
23 51 16 00-0066	EA		40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	2,345.94 124.34 169.55 686.74 1,034.37	34.11
23 51 16 00-0067	EA		42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	2,448.28 129.75 176.93 716.63 1,079.41	35.74
23 51 16 00-0068	EA		44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	2,599.77 137.85 187.98 761.26 1,146.56	37.36
23 51 16 00-0069	EA		46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	2,800.41 148.67 202.73 820.65 1,235.84	38.98

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51	16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,902.76	40.61
			<i>For Aluminum Liner, Add</i>	154.07	
			<i>For Stainless Steel Liner, Add</i>	210.10	
			<i>For 2" Wall Instead Of 1", Add</i>	850.54	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,280.88	
23 51	16 00-0071		Teas <small>(23 51 16 00-0001)</small>		
23 51	16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	64.40	9.62
			<i>For Aluminum Liner, Add</i>	2.22	
			<i>For Stainless Steel Liner, Add</i>	3.02	
			<i>For 2" Wall Instead Of 1", Add</i>	14.50	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.96	
23 51	16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	67.24	9.99
			<i>For Aluminum Liner, Add</i>	2.32	
			<i>For Stainless Steel Liner, Add</i>	3.17	
			<i>For 2" Wall Instead Of 1", Add</i>	15.18	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.02	
23 51	16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	70.22	10.39
			<i>For Aluminum Liner, Add</i>	2.43	
			<i>For Stainless Steel Liner, Add</i>	3.32	
			<i>For 2" Wall Instead Of 1", Add</i>	15.87	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.10	
23 51	16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	76.24	10.84
			<i>For Aluminum Liner, Add</i>	2.70	
			<i>For Stainless Steel Liner, Add</i>	3.69	
			<i>For 2" Wall Instead Of 1", Add</i>	17.45	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	27.54	
23 51	16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	96.09	11.28
			<i>For Aluminum Liner, Add</i>	3.73	
			<i>For Stainless Steel Liner, Add</i>	5.09	
			<i>For 2" Wall Instead Of 1", Add</i>	23.17	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	36.17	
23 51	16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	104.22	11.82
			<i>For Aluminum Liner, Add</i>	4.11	
			<i>For Stainless Steel Liner, Add</i>	5.60	
			<i>For 2" Wall Instead Of 1", Add</i>	25.36	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	39.52	
23 51	16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	233.42	12.39
			<i>For Aluminum Liner, Add</i>	11.14	
			<i>For Stainless Steel Liner, Add</i>	15.19	
			<i>For 2" Wall Instead Of 1", Add</i>	63.84	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	97.30	
23 51	16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	276.23	13.00
			<i>For Aluminum Liner, Add</i>	13.41	
			<i>For Stainless Steel Liner, Add</i>	18.28	
			<i>For 2" Wall Instead Of 1", Add</i>	76.38	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	116.19	
23 51	16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	433.19	14.46
			<i>For Aluminum Liner, Add</i>	21.84	
			<i>For Stainless Steel Liner, Add</i>	29.78	
			<i>For 2" Wall Instead Of 1", Add</i>	122.74	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	185.91	
23 51	16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	602.83	16.24
			<i>For Aluminum Liner, Add</i>	30.92	
			<i>For Stainless Steel Liner, Add</i>	42.17	
			<i>For 2" Wall Instead Of 1", Add</i>	172.73	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	261.12	
23 51	16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	754.10	18.55
			<i>For Aluminum Liner, Add</i>	38.92	
			<i>For Stainless Steel Liner, Add</i>	53.08	
			<i>For 2" Wall Instead Of 1", Add</i>	216.95	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	327.75	
23 51	16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,010.73	22.94
			<i>For Aluminum Liner, Add</i>	52.44	
			<i>For Stainless Steel Liner, Add</i>	71.51	
			<i>For 2" Wall Instead Of 1", Add</i>	291.76	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	440.50	
23 51	16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,264.26	29.97
			<i>For Aluminum Liner, Add</i>	65.41	
			<i>For Stainless Steel Liner, Add</i>	89.20	
			<i>For 2" Wall Instead Of 1", Add</i>	364.29	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	550.18	
23 51	16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,465.10	31.67
			<i>For Aluminum Liner, Add</i>	76.23	
			<i>For Stainless Steel Liner, Add</i>	103.94	
			<i>For 2" Wall Instead Of 1", Add</i>	423.69	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	639.50	
23 51	16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,051.14	34.11
			<i>For Aluminum Liner, Add</i>	108.12	
			<i>For Stainless Steel Liner, Add</i>	147.44	
			<i>For 2" Wall Instead Of 1", Add</i>	598.28	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	901.69	
23 51	16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,300.14	35.46
			<i>For Aluminum Liner, Add</i>	121.64	
			<i>For Stainless Steel Liner, Add</i>	165.87	
			<i>For 2" Wall Instead Of 1", Add</i>	672.33	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,012.92	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0088	EA		30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,501.54	37.36
			For Aluminum Liner, Add	132.45	
			For Stainless Steel Liner, Add	180.61	
			For 2" Wall Instead Of 1", Add	731.78	
			For 3" To 4" Wall Instead Of 1", Add	1,102.34	
23 51 16 00-0089	EA		32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,898.74	38.98
			For Aluminum Liner, Add	154.07	
			For Stainless Steel Liner, Add	210.10	
			For 2" Wall Instead Of 1", Add	850.14	
			For 3" To 4" Wall Instead Of 1", Add	1,280.08	
23 51 16 00-0090	EA		34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,951.97	40.61
			For Aluminum Liner, Add	156.77	
			For Stainless Steel Liner, Add	213.78	
			For 2" Wall Instead Of 1", Add	865.29	
			For 3" To 4" Wall Instead Of 1", Add	1,303.01	
23 51 16 00-0091	EA		36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,450.25	43.33
			For Aluminum Liner, Add	183.81	
			For Stainless Steel Liner, Add	250.64	
			For 2" Wall Instead Of 1", Add	1,013.41	
			For 3" To 4" Wall Instead Of 1", Add	1,525.53	
23 51 16 00-0092	EA		38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,512.93	48.73
			For Aluminum Liner, Add	186.51	
			For Stainless Steel Liner, Add	254.33	
			For 2" Wall Instead Of 1", Add	1,029.51	
			For 3" To 4" Wall Instead Of 1", Add	1,550.35	
23 51 16 00-0093	EA		40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,825.19	55.71
			For Aluminum Liner, Add	202.73	
			For Stainless Steel Liner, Add	276.44	
			For 2" Wall Instead Of 1", Add	1,119.71	
			For 3" To 4" Wall Instead Of 1", Add	1,686.52	
23 51 16 00-0094	EA		42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,192.39	64.97
			For Aluminum Liner, Add	221.65	
			For Stainless Steel Liner, Add	302.25	
			For 2" Wall Instead Of 1", Add	1,225.23	
			For 3" To 4" Wall Instead Of 1", Add	1,845.97	
23 51 16 00-0095	EA		44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,556.56	73.09
			For Aluminum Liner, Add	240.57	
			For Stainless Steel Liner, Add	328.05	
			For 2" Wall Instead Of 1", Add	1,330.45	
			For 3" To 4" Wall Instead Of 1", Add	2,004.80	
23 51 16 00-0096	EA		46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,004.99	75.54
			For Aluminum Liner, Add	264.90	
			For Stainless Steel Liner, Add	361.22	
			For 2" Wall Instead Of 1", Add	1,463.76	
			For 3" To 4" Wall Instead Of 1", Add	2,205.07	
23 51 16 00-0097	EA		48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,306.02	77.97
			For Aluminum Liner, Add	281.11	
			For Stainless Steel Liner, Add	383.34	
			For 2" Wall Instead Of 1", Add	1,552.83	
			For 3" To 4" Wall Instead Of 1", Add	2,338.99	
23 51 16 00-0098			Vent Top Caps (23 51 16 00-0001)		
23 51 16 00-0099	EA		3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	29.36	5.65
			For Aluminum Liner, Add	0.84	
			For Stainless Steel Liner, Add	1.14	
			For 2" Wall Instead Of 1", Add	5.98	
			For 3" To 4" Wall Instead Of 1", Add	9.68	
23 51 16 00-0100	EA		4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	30.80	5.93
			For Aluminum Liner, Add	0.88	
			For Stainless Steel Liner, Add	1.20	
			For 2" Wall Instead Of 1", Add	6.28	
			For 3" To 4" Wall Instead Of 1", Add	10.17	
23 51 16 00-0101	EA		6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	44.06	6.50
			For Aluminum Liner, Add	1.53	
			For Stainless Steel Liner, Add	2.09	
			For 2" Wall Instead Of 1", Add	9.97	
			For 3" To 4" Wall Instead Of 1", Add	15.77	
23 51 16 00-0102	EA		8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	45.85	7.23
			For Aluminum Liner, Add	1.53	
			For Stainless Steel Liner, Add	2.09	
			For 2" Wall Instead Of 1", Add	10.15	
			For 3" To 4" Wall Instead Of 1", Add	16.13	
23 51 16 00-0103	EA		10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	60.07	7.63
			For Aluminum Liner, Add	2.25	
			For Stainless Steel Liner, Add	3.07	
			For 2" Wall Instead Of 1", Add	14.21	
			For 3" To 4" Wall Instead Of 1", Add	22.26	
23 51 16 00-0104	EA		12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	74.37	8.12
			For Aluminum Liner, Add	2.97	
			For Stainless Steel Liner, Add	4.05	
			For 2" Wall Instead Of 1", Add	18.25	
			For 3" To 4" Wall Instead Of 1", Add	28.39	
23 51 16 00-0105	EA		16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	212.89	9.26
			For Aluminum Liner, Add	10.43	
			For Stainless Steel Liner, Add	14.23	
			For 2" Wall Instead Of 1", Add	59.23	
			For 3" To 4" Wall Instead Of 1", Add	90.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51	16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	418.23	11.61
			<i>For Aluminum Liner, Add</i>	21.41	
			<i>For Stainless Steel Liner, Add</i>	29.19	
			<i>For 2" Wall Instead Of 1", Add</i>	119.67	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	180.95	
23 51	16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	801.48	13.93
			<i>For Aluminum Liner, Add</i>	42.17	
			<i>For Stainless Steel Liner, Add</i>	57.50	
			<i>For 2" Wall Instead Of 1", Add</i>	233.48	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	351.96	
23 51	16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,346.19	19.49
			<i>For Aluminum Liner, Add</i>	71.36	
			<i>For Stainless Steel Liner, Add</i>	97.31	
			<i>For 2" Wall Instead Of 1", Add</i>	394.11	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	593.60	
23 51	16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,017.10	20.51
			<i>For Aluminum Liner, Add</i>	108.12	
			<i>For Stainless Steel Liner, Add</i>	147.44	
			<i>For 2" Wall Instead Of 1", Add</i>	594.88	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	894.88	
23 51	16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,265.70	21.65
			<i>For Aluminum Liner, Add</i>	121.64	
			<i>For Stainless Steel Liner, Add</i>	165.87	
			<i>For 2" Wall Instead Of 1", Add</i>	668.88	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,006.03	
23 51	16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,563.79	22.94
			<i>For Aluminum Liner, Add</i>	137.85	
			<i>For Stainless Steel Liner, Add</i>	187.98	
			<i>For 2" Wall Instead Of 1", Add</i>	757.67	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,139.37	
23 51	16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,714.81	24.36
			<i>For Aluminum Liner, Add</i>	145.96	
			<i>For Stainless Steel Liner, Add</i>	199.04	
			<i>For 2" Wall Instead Of 1", Add</i>	802.26	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,206.43	
23 51	16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,866.30	25.99
			<i>For Aluminum Liner, Add</i>	154.07	
			<i>For Stainless Steel Liner, Add</i>	210.10	
			<i>For 2" Wall Instead Of 1", Add</i>	846.89	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,273.59	
23 51	16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	3,067.47	27.86
			<i>For Aluminum Liner, Add</i>	164.88	
			<i>For Stainless Steel Liner, Add</i>	224.84	
			<i>For 2" Wall Instead Of 1", Add</i>	906.33	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,362.97	
23 51 16 00-0115 Wall Thimbles <small>(23 51 16 00-0001)</small>					
23 51	16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	9.33	3.04
			<i>For Aluminum Liner, Add</i>	0.10	
			<i>For Stainless Steel Liner, Add</i>	0.13	
			<i>For 2" Wall Instead Of 1", Add</i>	1.28	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2.30	
23 51	16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	11.58	3.89
			<i>For Aluminum Liner, Add</i>	0.10	
			<i>For Stainless Steel Liner, Add</i>	0.14	
			<i>For 2" Wall Instead Of 1", Add</i>	1.52	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2.77	
23 51	16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	15.30	5.24
			<i>For Aluminum Liner, Add</i>	0.12	
			<i>For Stainless Steel Liner, Add</i>	0.17	
			<i>For 2" Wall Instead Of 1", Add</i>	1.97	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	3.61	
23 51	16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	19.37	6.50
			<i>For Aluminum Liner, Add</i>	0.17	
			<i>For Stainless Steel Liner, Add</i>	0.23	
			<i>For 2" Wall Instead Of 1", Add</i>	2.56	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	4.66	
23 51	16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	29.98	8.77
			<i>For Aluminum Liner, Add</i>	0.44	
			<i>For Stainless Steel Liner, Add</i>	0.60	
			<i>For 2" Wall Instead Of 1", Add</i>	4.61	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.01	
23 51	16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	38.61	10.88
			<i>For Aluminum Liner, Add</i>	0.63	
			<i>For Stainless Steel Liner, Add</i>	0.86	
			<i>For 2" Wall Instead Of 1", Add</i>	6.14	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.57	
23 51	16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	51.82	13.00
			<i>For Aluminum Liner, Add</i>	1.06	
			<i>For Stainless Steel Liner, Add</i>	1.45	
			<i>For 2" Wall Instead Of 1", Add</i>	9.05	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	15.20	
23 51	16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	73.17	15.43
			<i>For Aluminum Liner, Add</i>	1.90	
			<i>For Stainless Steel Liner, Add</i>	2.59	
			<i>For 2" Wall Instead Of 1", Add</i>	14.24	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0124	EA		22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	112.18	17.05
			<i>For Aluminum Liner, Add</i>	3.83	
			<i>For Stainless Steel Liner, Add</i>	5.22	
			<i>For 2" Wall Instead Of 1", Add</i>	25.13	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	39.82	
23 51 16 00-0125			Adjustable Roof Flashing <small>(23 51 16 00-0001)</small>		
23 51 16 00-0126	EA		3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	29.33	7.23
			<i>For Aluminum Liner, Add</i>	0.62	
			<i>For Stainless Steel Liner, Add</i>	0.85	
			<i>For 2" Wall Instead Of 1", Add</i>	5.19	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.69	
23 51 16 00-0127	EA		4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	33.67	7.63
			<i>For Aluminum Liner, Add</i>	0.80	
			<i>For Stainless Steel Liner, Add</i>	1.09	
			<i>For 2" Wall Instead Of 1", Add</i>	6.28	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.37	
23 51 16 00-0128	EA		6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	46.03	8.65
			<i>For Aluminum Liner, Add</i>	1.34	
			<i>For Stainless Steel Liner, Add</i>	1.83	
			<i>For 2" Wall Instead Of 1", Add</i>	9.48	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	15.30	
23 51 16 00-0129	EA		8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	58.29	9.99
			<i>For Aluminum Liner, Add</i>	1.83	
			<i>For Stainless Steel Liner, Add</i>	2.50	
			<i>For 2" Wall Instead Of 1", Add</i>	12.49	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	19.99	
23 51 16 00-0130	EA		10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	118.50	10.84
			<i>For Aluminum Liner, Add</i>	5.03	
			<i>For Stainless Steel Liner, Add</i>	6.86	
			<i>For 2" Wall Instead Of 1", Add</i>	30.13	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	46.55	
23 51 16 00-0131	EA		12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	145.50	11.82
			<i>For Aluminum Liner, Add</i>	6.38	
			<i>For Stainless Steel Liner, Add</i>	8.70	
			<i>For 2" Wall Instead Of 1", Add</i>	37.75	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	58.10	
23 51 16 00-0132	EA		14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	175.01	13.00
			<i>For Aluminum Liner, Add</i>	7.84	
			<i>For Stainless Steel Liner, Add</i>	10.69	
			<i>For 2" Wall Instead Of 1", Add</i>	46.01	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	70.63	
23 51 16 00-0133	EA		16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	213.07	14.46
			<i>For Aluminum Liner, Add</i>	9.73	
			<i>For Stainless Steel Liner, Add</i>	13.27	
			<i>For 2" Wall Instead Of 1", Add</i>	56.69	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	86.84	
23 51 16 00-0134	EA		18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	345.33	16.24
			<i>For Aluminum Liner, Add</i>	16.76	
			<i>For Stainless Steel Liner, Add</i>	22.85	
			<i>For 2" Wall Instead Of 1", Add</i>	95.47	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	145.24	
23 51 16 00-0135	EA		20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	364.74	21.65
			<i>For Aluminum Liner, Add</i>	17.08	
			<i>For Stainless Steel Liner, Add</i>	23.30	
			<i>For 2" Wall Instead Of 1", Add</i>	98.59	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	150.60	
23 51 16 00-0136	EA		22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	462.80	27.86
			<i>For Aluminum Liner, Add</i>	21.62	
			<i>For Stainless Steel Liner, Add</i>	29.49	
			<i>For 2" Wall Instead Of 1", Add</i>	124.91	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	190.85	
23 51 16 00-0137	EA		24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	553.01	32.49
			<i>For Aluminum Liner, Add</i>	25.95	
			<i>For Stainless Steel Liner, Add</i>	35.39	
			<i>For 2" Wall Instead Of 1", Add</i>	149.66	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	228.55	
23 51 16 00-0138			Galvanized Storm Collars <small>(23 51 16 00-0001)</small>		
23 51 16 00-0139	EA		3" Round Galvanized Storm Collar, Double Wall	10.85	3.04
			<i>For Aluminum Liner, Add</i>	0.18	
			<i>For Stainless Steel Liner, Add</i>	0.24	
			<i>For 2" Wall Instead Of 1", Add</i>	1.74	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2.99	
23 51 16 00-0140	EA		4" Round Galvanized Storm Collar, Double Wall	13.48	3.89
			<i>For Aluminum Liner, Add</i>	0.21	
			<i>For Stainless Steel Liner, Add</i>	0.28	
			<i>For 2" Wall Instead Of 1", Add</i>	2.10	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	3.63	
23 51 16 00-0141	EA		5" Round Galvanized Storm Collar, Double Wall	16.04	4.55
			<i>For Aluminum Liner, Add</i>	0.26	
			<i>For Stainless Steel Liner, Add</i>	0.35	
			<i>For 2" Wall Instead Of 1", Add</i>	2.54	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	4.37	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51	16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	18.59	5.20
			For Aluminum Liner, Add	0.31	
			For Stainless Steel Liner, Add	0.42	
			For 2" Wall Instead Of 1", Add	2.98	
			For 3" To 4" Wall Instead Of 1", Add	5.12	
23 51	16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	23.68	6.50
			For Aluminum Liner, Add	0.41	
			For Stainless Steel Liner, Add	0.56	
			For 2" Wall Instead Of 1", Add	3.86	
			For 3" To 4" Wall Instead Of 1", Add	6.60	
23 51	16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	33.60	8.77
			For Aluminum Liner, Add	0.64	
			For Stainless Steel Liner, Add	0.88	
			For 2" Wall Instead Of 1", Add	5.69	
			For 3" To 4" Wall Instead Of 1", Add	9.64	
23 51	16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	41.23	10.88
			For Aluminum Liner, Add	0.77	
			For Stainless Steel Liner, Add	1.05	
			For 2" Wall Instead Of 1", Add	6.93	
			For 3" To 4" Wall Instead Of 1", Add	11.75	
23 51	16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	56.28	13.00
			For Aluminum Liner, Add	1.31	
			For Stainless Steel Liner, Add	1.78	
			For 2" Wall Instead Of 1", Add	10.39	
			For 3" To 4" Wall Instead Of 1", Add	17.20	
23 51	16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	81.64	15.43
			For Aluminum Liner, Add	2.37	
			For Stainless Steel Liner, Add	3.23	
			For 2" Wall Instead Of 1", Add	16.78	
			For 3" To 4" Wall Instead Of 1", Add	27.09	
23 51	16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	133.36	17.05
			For Aluminum Liner, Add	4.99	
			For Stainless Steel Liner, Add	6.80	
			For 2" Wall Instead Of 1", Add	31.48	
			For 3" To 4" Wall Instead Of 1", Add	49.35	
23 51	16 00-0149		Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51	16 00-0150		Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)		
23 51	16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	23.64	3.81
			For 2" Wall Instead Of 1", Add	5.18	
			For 3" To 4" Wall Instead Of 1", Add	8.25	
23 51	16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	26.81	4.07
			For 2" Wall Instead Of 1", Add	6.03	
			For 3" To 4" Wall Instead Of 1", Add	9.54	
23 51	16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	30.25	4.35
			For 2" Wall Instead Of 1", Add	6.91	
			For 3" To 4" Wall Instead Of 1", Add	10.90	
23 51	16 00-0154		45 Degree Elbows (23 51 16 00-0149)		
23 51	16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	53.58	7.92
			For 2" Wall Instead Of 1", Add	12.11	
			For 3" To 4" Wall Instead Of 1", Add	19.16	
23 51	16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	62.47	9.26
			For 2" Wall Instead Of 1", Add	14.11	
			For 3" To 4" Wall Instead Of 1", Add	22.32	
23 51	16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	76.61	10.47
			For 2" Wall Instead Of 1", Add	17.74	
			For 3" To 4" Wall Instead Of 1", Add	27.92	
23 51	16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	55.27	7.92
			For 2" Wall Instead Of 1", Add	12.62	
			For 3" To 4" Wall Instead Of 1", Add	19.92	
23 51	16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	66.57	9.26
			For 2" Wall Instead Of 1", Add	15.34	
			For 3" To 4" Wall Instead Of 1", Add	24.17	
23 51	16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	79.27	10.47
			For 2" Wall Instead Of 1", Add	18.54	
			For 3" To 4" Wall Instead Of 1", Add	29.12	
23 51	16 00-0161		Tees (23 51 16 00-0149)		
23 51	16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	94.48	12.02
			For 2" Wall Instead Of 1", Add	22.33	
			For 3" To 4" Wall Instead Of 1", Add	35.00	
23 51	16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	97.14	12.02
			For 2" Wall Instead Of 1", Add	23.13	
			For 3" To 4" Wall Instead Of 1", Add	36.19	
23 51	16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	111.71	13.81
			For 2" Wall Instead Of 1", Add	26.61	
			For 3" To 4" Wall Instead Of 1", Add	41.64	
23 51	16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	129.12	15.47
			For 2" Wall Instead Of 1", Add	31.00	
			For 3" To 4" Wall Instead Of 1", Add	48.44	
23 51	16 00-0166		Tops/Caps And Adjustable Flashing (23 51 16 00-0149)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0167	EA		4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	38.97 9.74 15.09	3.89
23 51 16 00-0168	EA		6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	64.36 16.69 25.69	5.24
23 51 16 00-0169	EA		4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	28.59 6.62 10.42	3.89
23 51 16 00-0170	EA		6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	54.59 13.76 21.29	5.24
23 51 16 00-0171			Storm Collars <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172	EA		4" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	13.48 2.10 3.63	3.89
23 51 16 00-0173	EA		5" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	16.04 2.54 4.37	4.55
23 51 16 00-0174	EA		6" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	18.59 2.98 5.12	5.20
23 51 16 00-0175			Round Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small> Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0176			Round Double Wall Flue/Vent Pipe <small>(23 51 16 00-0175)</small> Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177	LF		6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	72.94 9.93 6.21 12.42	4.35
23 51 16 00-0178	LF		8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	88.29 12.12 7.58 15.16	5.00
23 51 16 00-0179	LF		10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	98.43 13.59 8.49 16.98	5.40
23 51 16 00-0180	LF		12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	111.54 15.48 9.68 19.36	5.89
23 51 16 00-0181	LF		14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	126.86 17.82 11.14 22.28	6.17
23 51 16 00-0182	LF		16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	134.05 18.84 11.78 23.56	6.50
23 51 16 00-0183	LF		18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	149.50 21.18 13.24 26.48	6.86
23 51 16 00-0184	LF		20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	178.64 24.25 15.16 30.31	10.84
23 51 16 00-0185	LF		24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	225.86 31.26 19.54 39.08	12.19
23 51 16 00-0186	LF		28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	257.08 35.94 22.46 44.92	13.00
23 51 16 00-0187	LF		32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	288.06 40.32 25.20 50.40	14.42

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	321.97	15.59
		<i>For 316 Stainless Steel, Add</i>	45.29	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	28.30	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	56.61	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	367.61	17.74
		<i>For 316 Stainless Steel, Add</i>	51.71	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	32.32	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	64.64	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	431.19	20.55
		<i>For 316 Stainless Steel, Add</i>	60.77	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	37.98	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	75.96	
23 51 16 00-0191		90 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	374.86	8.97
		<i>For 316 Stainless Steel, Add</i>	70.49	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	35.24	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	70.49	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	413.92	9.99
		<i>For 316 Stainless Steel, Add</i>	77.79	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	38.90	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	77.79	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	472.66	10.84
		<i>For 316 Stainless Steel, Add</i>	89.11	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	44.56	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	89.11	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	535.34	11.82
		<i>For 316 Stainless Steel, Add</i>	101.16	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	50.58	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	101.16	
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	624.41	12.39
		<i>For 316 Stainless Steel, Add</i>	118.69	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	59.35	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	118.69	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	689.88	13.00
		<i>For 316 Stainless Steel, Add</i>	131.48	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	65.74	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	131.48	
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	801.14	13.69
		<i>For 316 Stainless Steel, Add</i>	153.39	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	76.70	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	153.39	
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	912.40	21.65
		<i>For 316 Stainless Steel, Add</i>	171.65	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	85.83	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	171.65	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,129.16	24.36
		<i>For 316 Stainless Steel, Add</i>	213.65	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	106.83	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	213.65	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,379.74	25.99
		<i>For 316 Stainless Steel, Add</i>	262.95	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	131.48	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	262.95	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,840.87	27.82
		<i>For 316 Stainless Steel, Add</i>	354.26	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	177.13	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	354.26	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,089.89	32.49
		<i>For 316 Stainless Steel, Add</i>	401.74	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	200.87	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	401.74	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,101.60	35.46
		<i>For 316 Stainless Steel, Add</i>	602.60	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	301.30	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	602.60	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,886.56	38.98
		<i>For 316 Stainless Steel, Add</i>	757.82	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	378.91	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	757.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 51 16 00-0206			45 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0207	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	242.60	8.65
			<i>For 316 Stainless Steel, Add</i>	44.19	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	22.10	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	44.19	
23 51 16 00-0208	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	276.97	9.99
			<i>For 316 Stainless Steel, Add</i>	50.40	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	25.20	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	50.40	
23 51 16 00-0209	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	308.31	10.84
			<i>For 316 Stainless Steel, Add</i>	56.24	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	28.12	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	56.24	
23 51 16 00-0210	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	352.73	11.82
			<i>For 316 Stainless Steel, Add</i>	64.64	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	32.32	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	64.64	
23 51 16 00-0211	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	399.81	12.39
			<i>For 316 Stainless Steel, Add</i>	73.77	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	36.89	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	73.77	
23 51 16 00-0212	EA		16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	450.66	13.00
			<i>For 316 Stainless Steel, Add</i>	83.63	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	41.82	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	83.63	
23 51 16 00-0213	EA		18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	507.14	13.69
			<i>For 316 Stainless Steel, Add</i>	94.59	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	47.30	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	94.59	
23 51 16 00-0214	EA		20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	594.67	21.65
			<i>For 316 Stainless Steel, Add</i>	108.10	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	54.05	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	108.10	
23 51 16 00-0215	EA		24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	754.82	24.36
			<i>For 316 Stainless Steel, Add</i>	138.78	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	69.39	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	138.78	
23 51 16 00-0216	EA		28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	850.18	25.99
			<i>For 316 Stainless Steel, Add</i>	157.04	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	78.52	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	157.04	
23 51 16 00-0217	EA		32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,119.57	27.82
			<i>For 316 Stainless Steel, Add</i>	210.00	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	105.00	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	210.00	
23 51 16 00-0218	EA		36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,496.42	32.49
			<i>For 316 Stainless Steel, Add</i>	283.04	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	141.52	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	283.04	
23 51 16 00-0219	EA		42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,005.96	35.46
			<i>For 316 Stainless Steel, Add</i>	383.48	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	191.74	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	383.48	
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,699.62	38.98
			<i>For 316 Stainless Steel, Add</i>	520.43	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	260.22	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	520.43	
23 51 16 00-0221			Tees <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	259.01	10.84
			<i>For 316 Stainless Steel, Add</i>	51.02	
			<i>For Tee Cap, Add</i>	55.87	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	23.19	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	46.38	
23 51 16 00-0223	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	296.13	11.82
			<i>For 316 Stainless Steel, Add</i>	58.65	
			<i>For Tee Cap, Add</i>	63.65	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	26.66	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	53.32	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	343.19	12.39
		<i>For 316 Stainless Steel, Add</i>	68.70	
		<i>For Tee Cap, Add</i>	73.28	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	31.23	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	62.45	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	397.69	13.00
		<i>For 316 Stainless Steel, Add</i>	80.35	
		<i>For Tee Cap, Add</i>	84.41	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	36.52	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	73.04	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	467.04	14.46
		<i>For 316 Stainless Steel, Add</i>	94.81	
		<i>For Tee Cap, Add</i>	98.82	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	43.10	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	86.19	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	524.50	16.24
		<i>For 316 Stainless Steel, Add</i>	106.46	
		<i>For Tee Cap, Add</i>	110.99	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	48.39	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	96.78	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	612.46	18.55
		<i>For 316 Stainless Steel, Add</i>	124.54	
		<i>For Tee Cap, Add</i>	129.45	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	56.61	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	113.22	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	696.46	22.94
		<i>For 316 Stainless Steel, Add</i>	140.61	
		<i>For Tee Cap, Add</i>	147.89	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	63.91	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	127.83	
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	875.55	32.49
		<i>For 316 Stainless Steel, Add</i>	174.75	
		<i>For Tee Cap, Add</i>	187.29	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	79.43	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	158.87	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,074.66	35.46
		<i>For 316 Stainless Steel, Add</i>	216.94	
		<i>For Tee Cap, Add</i>	228.22	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	98.61	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	197.22	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,448.75	38.98
		<i>For 316 Stainless Steel, Add</i>	297.28	
		<i>For Tee Cap, Add</i>	304.37	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	135.13	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	270.26	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,614.85	43.33
		<i>For 316 Stainless Steel, Add</i>	331.43	
		<i>For Tee Cap, Add</i>	339.22	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	150.65	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	301.30	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,581.99	64.97
		<i>For 316 Stainless Steel, Add</i>	532.30	
		<i>For Tee Cap, Add</i>	540.76	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	241.96	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	483.91	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,253.60	77.97
		<i>For 316 Stainless Steel, Add</i>	672.91	
		<i>For Tee Cap, Add</i>	679.96	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	305.87	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	611.73	

23 51 16 00-0236 Bellows (23 51 16 00-0175)

23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	521.99	8.65
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	50.03	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	100.07	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	567.31	9.99
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	54.23	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	108.47	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	620.57	10.84
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	59.35	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	118.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0240	EA		12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	686.91	11.82
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	65.74	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	131.48	
23 51 16 00-0241	EA		14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	770.50	12.39
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	73.96	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	147.91	
23 51 16 00-0242	EA		16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	854.22	13.00
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	82.17	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	164.35	
23 51 16 00-0243	EA		18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	956.36	13.69
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	92.22	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	184.43	
23 51 16 00-0244	EA		20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,095.00	21.65
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	104.09	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	208.17	
23 51 16 00-0245	EA		24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,357.42	24.36
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	129.65	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	259.30	
23 51 16 00-0246	EA		28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,525.84	25.99
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	146.09	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	292.17	
23 51 16 00-0247	EA		32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,749.62	27.86
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	168.00	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	336.00	
23 51 16 00-0248	EA		36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,998.60	32.49
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	191.74	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	383.48	
23 51 16 00-0249	EA		42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,553.78	35.46
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	246.52	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	493.04	
23 51 16 00-0250	EA		48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,110.49	38.98
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	301.30	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	602.60	
23 51 16 00-0251			Ventilated Roof Thimbles <small>(23 51 16 00-0175)</small>		
23 51 16 00-0252	EA		6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	335.42	9.99
			<i>For 316 Stainless Steel, Add</i>	31.04	
23 51 16 00-0253	EA		8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	361.87	11.82
			<i>For 316 Stainless Steel, Add</i>	33.24	
23 51 16 00-0254	EA		10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	395.86	13.00
			<i>For 316 Stainless Steel, Add</i>	36.34	
23 51 16 00-0255	EA		12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	426.90	14.46
			<i>For 316 Stainless Steel, Add</i>	39.08	
23 51 16 00-0256	EA		14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	551.36	15.31
			<i>For 316 Stainless Steel, Add</i>	51.31	
23 51 16 00-0257	EA		16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	486.16	16.24
			<i>For 316 Stainless Steel, Add</i>	44.56	
23 51 16 00-0258	EA		18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	523.59	17.34
			<i>For 316 Stainless Steel, Add</i>	48.03	
23 51 16 00-0259	EA		20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	575.86	24.36
			<i>For 316 Stainless Steel, Add</i>	51.50	
23 51 16 00-0260	EA		24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	644.75	27.82
			<i>For 316 Stainless Steel, Add</i>	57.52	
23 51 16 00-0261	EA		28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	741.45	29.97
			<i>For 316 Stainless Steel, Add</i>	66.65	
23 51 16 00-0262	EA		32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	829.85	32.44
			<i>For 316 Stainless Steel, Add</i>	74.87	
23 51 16 00-0263	EA		36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	919.13	38.94
			<i>For 316 Stainless Steel, Add</i>	82.17	
23 51 16 00-0264	EA		42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,194.75	43.29
			<i>For 316 Stainless Steel, Add</i>	108.65	
23 51 16 00-0265	EA		48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,491.29	48.69
			<i>For 316 Stainless Steel, Add</i>	136.96	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0266			Exit Cones <small>(23 51 16 00-0175)</small>		
23 51 16 00-0267	EA		6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	235.09	5.65
23 51 16 00-0268	EA		8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	247.38	6.17
23 51 16 00-0269	EA		10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	266.41	6.50
23 51 16 00-0270	EA		12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	278.22	6.82
23 51 16 00-0271	EA		14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	307.90	7.03
23 51 16 00-0272	EA		16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	337.58	7.19
23 51 16 00-0273	EA		18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	412.97	7.43
23 51 16 00-0274	EA		20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	504.11	13.93
23 51 16 00-0275	EA		24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	640.07	14.99
23 51 16 00-0276	EA		28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	769.41	15.59
23 51 16 00-0277	EA		32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	953.66	16.24
23 51 16 00-0278	EA		36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,085.18	17.74
23 51 16 00-0279	EA		42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,379.46	18.55
23 51 16 00-0280	EA		48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,774.38	19.49
23 51 16 00-0281			Vent Top Caps <small>(23 51 16 00-0175)</small>		
23 51 16 00-0282	EA		6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	258.79	5.65
23 51 16 00-0283	EA		8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	300.34	6.17
23 51 16 00-0284	EA		10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	350.40	6.50
23 51 16 00-0285	EA		12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	404.21	6.82
23 51 16 00-0286	EA		14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	474.06	7.03
23 51 16 00-0287	EA		16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	540.30	7.23
23 51 16 00-0288	EA		18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	602.90	7.43
23 51 16 00-0289	EA		20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	710.43	13.93
23 51 16 00-0290	EA		24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	850.07	14.99
23 51 16 00-0291	EA		28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	924.61	15.59
23 51 16 00-0292	EA		32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,054.06	16.24
23 51 16 00-0293	EA		36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,231.22	17.70
23 51 16 00-0294	EA		42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,507.26	18.55
23 51 16 00-0295	EA		48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,756.09	19.49
23 51 16 00-0296			Roof Support Assemblies <small>(23 51 16 00-0175)</small>		
23 51 16 00-0297	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	385.70	10.39
			<i>For 316 Stainless Steel, Add</i>	71.95	
23 51 16 00-0298	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	423.55	12.39
			<i>For 316 Stainless Steel, Add</i>	78.52	
23 51 16 00-0299	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	465.12	13.69
			<i>For 316 Stainless Steel, Add</i>	86.19	
23 51 16 00-0300	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	494.71	15.27
			<i>For 316 Stainless Steel, Add</i>	91.30	
23 51 16 00-0301	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	553.74	16.24
			<i>For 316 Stainless Steel, Add</i>	102.63	
23 51 16 00-0302	EA		16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	587.49	17.34
			<i>For 316 Stainless Steel, Add</i>	108.83	
23 51 16 00-0303	EA		18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	630.79	18.59
			<i>For 316 Stainless Steel, Add</i>	116.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0304	EA		20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	685.83 124.17	25.99
23 51 16 00-0305	EA		24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	768.89 138.78	30.01
23 51 16 00-0306	EA		28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	893.81 162.52	32.49
23 51 16 00-0307	EA		32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,074.66 197.22	35.46
23 51 16 00-0308	EA		36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,240.51 226.43	43.33
23 51 16 00-0309	EA		42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,893.11 354.26	48.73
23 51 16 00-0310	EA		48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	2,329.79 438.26	55.39
23 51 16 00-0311			Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings (23 51 16) Note: With 1" insulation.		
23 51 16 00-0312			Round Stainless Steel Double Wall Flue/Vent Pipe (23 51 16 00-0311) Note: With 1" insulation.		
23 51 16 00-0313	LF		6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	61.98 5.11 10.23	4.35
23 51 16 00-0314	LF		7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	77.35 6.57 13.15	4.63
23 51 16 00-0315	LF		8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	89.21 7.67 15.34	5.00
23 51 16 00-0316	LF		10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	124.88 11.14 22.28	5.40
23 51 16 00-0317	LF		12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	164.52 14.97 29.95	5.93
23 51 16 00-0318	LF		14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	212.73 19.72 39.44	6.22
23 51 16 00-0319			90 Degree Elbows (23 51 16 00-0311)		
23 51 16 00-0320	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	135.79 11.41 22.83	8.65
23 51 16 00-0321	EA		7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	151.02 12.78 25.57	9.26
23 51 16 00-0322	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	171.07 14.61 29.22	9.99
23 51 16 00-0323	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	217.00 18.99 37.98	10.84
23 51 16 00-0324	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	261.44 23.19 46.38	11.82
23 51 16 00-0325	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	308.48 27.76 55.51	12.39
23 51 16 00-0326			45 Degree Elbows (23 51 16 00-0311)		
23 51 16 00-0327	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	107.27 8.56 17.12	8.65
23 51 16 00-0328	EA		7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	119.06 9.59 19.17	9.26
23 51 16 00-0329	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	134.55 10.96 21.91	9.99
23 51 16 00-0330	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	169.51 14.24 28.49	10.84
23 51 16 00-0331	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	203.45 17.39 34.79	11.82
23 51 16 00-0332	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	239.11 20.82 41.63	12.39

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0333			Tees With Tee Caps (23 51 16 00-0311)		
23 51 16 00-0334	EA		6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	237.12	8.65
			For 2" Insulated Wall Instead Of 1" Thickness, Add	21.55	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	43.10	
23 51 16 00-0335	EA		7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	304.41	9.26
			For 2" Insulated Wall Instead Of 1" Thickness, Add	28.12	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	56.24	
23 51 16 00-0336	EA		8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	342.71	9.99
			For 2" Insulated Wall Instead Of 1" Thickness, Add	31.77	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	63.55	
23 51 16 00-0337	EA		10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	474.45	10.84
			For 2" Insulated Wall Instead Of 1" Thickness, Add	44.74	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	89.48	
23 51 16 00-0338	EA		12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	659.51	11.82
			For 2" Insulated Wall Instead Of 1" Thickness, Add	63.00	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	126.00	
23 51 16 00-0339	EA		14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	852.64	12.39
			For 2" Insulated Wall Instead Of 1" Thickness, Add	82.17	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	164.35	
23 51 16 00-0340			Joist Shields (23 51 16 00-0311)		
23 51 16 00-0341	EA		6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	87.39	8.65
23 51 16 00-0342	EA		7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	94.41	9.26
23 51 16 00-0343	EA		8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	112.62	9.99
23 51 16 00-0344	EA		10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	144.88	10.84
23 51 16 00-0345	EA		12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	176.52	11.82
23 51 16 00-0346	EA		14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	213.53	12.39
23 51 16 00-0347			Adjustable Roof Flashing (23 51 16 00-0311)		
23 51 16 00-0348	EA		6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	108.39	8.65
23 51 16 00-0349	EA		7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	121.80	9.26
23 51 16 00-0350	EA		8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	132.71	9.99
23 51 16 00-0351	EA		10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	164.96	10.84
23 51 16 00-0352	EA		12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	207.59	11.82
23 51 16 00-0353	EA		14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	253.69	12.35
23 51 16 00-0354			Vent Top Caps (23 51 16 00-0311)		
23 51 16 00-0355	EA		6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	94.69	8.65
23 51 16 00-0356	EA		7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	122.71	9.26
23 51 16 00-0357	EA		8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	158.27	9.99
23 51 16 00-0358	EA		10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	266.32	10.84
23 51 16 00-0359	EA		12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	371.02	11.82
23 51 16 00-0360	EA		14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	480.14	12.39
23 51 16 00-0361			Roof Support Assemblies (23 51 16 00-0311)		
23 51 16 00-0362	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	152.18	8.65
23 51 16 00-0363	EA		7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	170.19	9.26
23 51 16 00-0364	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	184.74	9.99
23 51 16 00-0365	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	237.07	10.84
23 51 16 00-0366	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	283.34	11.82
23 51 16 00-0367	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	352.32	12.39
23 51 16 00-0368			Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)		
23 51 16 00-0369			Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)		
23 51 16 00-0370	EA		2" Concentric Polyvinyl Chloride (PVC) Vent Termination	114.06	16.53
23 51 16 00-0371	EA		3" Concentric Polyvinyl Chloride (PVC) Vent Termination	125.64	16.53
23 51 16 00-0372			Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0373			Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA		2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	17.14	5.02
23 51 16 00-0375	EA		2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	20.23	5.28
23 51 16 00-0376	EA		2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	23.51	5.88
23 51 16 00-0377	EA		2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	29.86	6.91
23 51 16 00-0378	EA		3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	21.10	5.76
23 51 16 00-0379	EA		3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	27.02	6.06
23 51 16 00-0380	EA		3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	34.37	6.73
23 51 16 00-0381	EA		3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	43.21	7.92
23 51 16 00-0382	EA		4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	38.18	7.61
23 51 16 00-0383	EA		4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	46.79	8.02
23 51 16 00-0384	EA		4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	60.04	8.91
23 51 16 00-0385	EA		4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	79.63	10.48
23 51 16 00-0386	EA		5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	56.73	11.24
23 51 16 00-0387	EA		5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	66.65	11.83



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0388	EA		5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	90.56	13.15
23 51 16 00-0389	EA		5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	120.54	15.47
23 51 16 00-0390			Polypropylene Flue/Vent Elbows <small>(23 51 16 00-0372)</small>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA		2" Polypropylene Flue/Vent 15 Degree Elbow	21.38	6.10
23 51 16 00-0392	EA		3" Polypropylene Flue/Vent 15 Degree Elbow	26.25	6.43
23 51 16 00-0393	EA		4" Polypropylene Flue/Vent 15 Degree Elbow	35.15	6.66
23 51 16 00-0394	EA		5" Polypropylene Flue/Vent 15 Degree Elbow	42.21	6.94
23 51 16 00-0395	EA		2" Polypropylene Flue/Vent 30 Degree Elbow	21.38	6.10
23 51 16 00-0396	EA		3" Polypropylene Flue/Vent 30 Degree Elbow	26.25	6.43
23 51 16 00-0397	EA		4" Polypropylene Flue/Vent 30 Degree Elbow	35.15	6.66
23 51 16 00-0398	EA		5" Polypropylene Flue/Vent 30 Degree Elbow	42.21	6.94
23 51 16 00-0399	EA		2" Polypropylene Flue/Vent 45 Degree Elbow	21.38	6.10
23 51 16 00-0400	EA		3" Polypropylene Flue/Vent 45 Degree Elbow	26.25	6.43
23 51 16 00-0401	EA		4" Polypropylene Flue/Vent 45 Degree Elbow	35.15	6.66
23 51 16 00-0402	EA		5" Polypropylene Flue/Vent 45 Degree Elbow	42.21	6.94
23 51 16 00-0403	EA		2" Polypropylene Flue/Vent 87 Degree Elbow	21.38	6.10
23 51 16 00-0404	EA		3" Polypropylene Flue/Vent 87 Degree Elbow	26.25	6.43
23 51 16 00-0405	EA		4" Polypropylene Flue/Vent 87 Degree Elbow	34.57	6.66
23 51 16 00-0406	EA		5" Polypropylene Flue/Vent 87 Degree Elbow	43.63	6.94
23 51 16 00-0407			Polypropylene Flue/Vent Tees <small>(23 51 16 00-0372)</small>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA		2" Polypropylene Flue/Vent Tee	83.47	9.16
23 51 16 00-0409	EA		3" Polypropylene Flue/Vent Tee	108.09	9.64
23 51 16 00-0410	EA		4" Polypropylene Flue/Vent Tee	129.13	9.99
23 51 16 00-0411	EA		5" Polypropylene Flue/Vent Tee	142.21	10.39
23 51 16 00-0412			Polypropylene Flue/Vent Adaptors <small>(23 51 16 00-0372)</small>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA		2" Polypropylene Flue/Vent Adaptor With Gasket	26.99	6.10
23 51 16 00-0414	EA		3" Polypropylene Flue/Vent Adaptor With Gasket	42.58	6.43
23 51 16 00-0415	EA		4" Polypropylene Flue/Vent Adaptor With Gasket	50.97	6.66
23 51 16 00-0416	EA		5" Polypropylene Flue/Vent Adaptor With Gasket	73.13	6.94
23 51 16 00-0417			Polypropylene Flue/Vent Increases <small>(23 51 16 00-0372)</small>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA		2" to 3" Polypropylene Flue/Vent Centric Increaser	30.75	6.27
23 51 16 00-0419	EA		3" to 4" Polypropylene Flue/Vent Centric Increaser	34.21	6.54
23 51 16 00-0420	EA		4" to 5" Polypropylene Flue/Vent Centric Increaser	69.91	6.79
23 51 16 00-0421	EA		2" to 3" Polypropylene Flue/Vent Eccentric Increaser	45.15	6.27
23 51 16 00-0422	EA		3" to 4" Polypropylene Flue/Vent Eccentric Increaser	33.03	6.54
23 51 16 00-0423	EA		4" to 5" Polypropylene Flue/Vent Eccentric Increaser	100.66	6.79
23 51 16 00-0424			Polypropylene Flue/Vent Reducers <small>(23 51 16 00-0372)</small>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA		3" to 2" Polypropylene Flue/Vent Reducer	30.75	6.27
23 51 16 00-0426	EA		4" to 3" Polypropylene Flue/Vent Reducer	34.21	6.54
23 51 16 00-0427	EA		5" to 4" Polypropylene Flue/Vent Reducer	89.08	6.79
23 51 16 00-0428			Polypropylene Flue/Vent Test Ports <small>(23 51 16 00-0372)</small>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429	EA		2" Polypropylene Flue/Vent Test Port	36.97	9.16
23 51 16 00-0430	EA		3" Polypropylene Flue/Vent Test Port	42.53	9.64
23 51 16 00-0431	EA		4" Polypropylene Flue/Vent Test Port	73.12	9.99
23 51 16 00-0432	EA		5" Polypropylene Flue/Vent Test Port	78.53	10.39
23 51 16 00-0433			Polypropylene Flue/Vent Cascade Components <small>(23 51 16 00-0372)</small>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434	EA		4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	131.71	9.99
23 51 16 00-0435	EA		4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	173.49	12.49
23 51 16 00-0436	EA		5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	104.67	10.39
23 51 16 00-0437	EA		5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	159.10	13.00
23 51 16 00-0438	EA		3" to 4" Polypropylene Flue/Vent Non-Return Valve	178.56	6.54
23 51 16 00-0439	EA		4" to 4" Polypropylene Flue/Vent Non-Return Valve	208.03	6.79
23 51 16 00-0440			Polypropylene Flue/Vent Condensate Management <small>(23 51 16 00-0372)</small>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA		2" Polypropylene Flue/Vent Horizontal Drain Tee	56.41	9.16
23 51 16 00-0442	EA		3" Polypropylene Flue/Vent Horizontal Drain Tee	70.57	9.64
23 51 16 00-0443	EA		4" Polypropylene Flue/Vent Horizontal Drain Tee	82.59	9.99
23 51 16 00-0444	EA		5" Polypropylene Flue/Vent Horizontal Drain Tee	95.93	10.39
23 51 16 00-0445	EA		4" Polypropylene Flue/Vent Horizontal Drain Fittings	108.89	9.99
23 51 16 00-0446	EA		5" Polypropylene Flue/Vent Horizontal Drain Fittings	121.09	10.39
23 51 16 00-0447	EA		2" Polypropylene Flue/Vent Tee Cap	36.24	3.05
23 51 16 00-0448	EA		3" Polypropylene Flue/Vent Tee Cap	47.71	3.21

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**MINOR
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23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	57.52	3.33
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	76.62	3.47
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	64.82	9.16
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	82.23	9.64
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	97.06	9.99
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	119.71	10.39

23 51 16 00-0455 Polypropylene Flue/Vent Terminations (23 51 16 00-0372)

23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	93.98	6.10
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	81.16	6.43
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	103.89	6.66
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	224.25	6.43
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	239.79	6.66
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	281.34	6.94
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	51.31	6.10
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	54.91	6.10
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	58.51	6.10
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	62.12	6.10
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	55.71	6.43
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	59.31	6.43
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	62.92	6.43
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	66.52	6.43
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	63.51	6.66
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	67.11	6.66
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	70.72	6.66
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	54.87	6.10
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	72.65	6.43
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	60.31	9.16
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	83.50	9.64
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	101.09	9.99
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	112.41	10.39
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	18.04	5.28
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	22.35	5.88
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	22.22	6.06
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	29.18	6.73
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	35.45	8.02
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	47.63	11.83
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	59.75	13.15
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	20.93	5.28
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	28.21	6.06
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	49.46	8.02
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	22.53	6.10
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	27.69	6.43
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	36.99	6.66
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	21.99	6.10
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	27.33	6.43
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	36.36	6.66
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	15.94	3.05
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	19.17	3.21
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	21.95	3.33
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	48.70	3.21
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	56.37	3.47

23 51 16 00-0500 Polypropylene Flue/Vent Accessories (23 51 16 00-0372)

23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	8.16	1.53
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	7.52	1.61
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	7.74	1.66
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	13.76	1.73
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	16.47	2.29
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	19.83	2.41
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	23.54	2.49
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	15.47	2.29
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	15.06	2.49
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	19.13	2.60
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	10.63	2.41
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	18.89	6.10
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	21.36	6.43
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	23.46	6.66
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	27.10	6.94
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	2.31	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	2.59	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	3.50	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	5.79	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	6.29	1.53
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	7.35	1.61
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	8.03	1.66
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	9.06	1.73
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White	39.85	3.05
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White	40.71	3.21
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White	28.56	3.33
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	35.30	2.29
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	36.31	2.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	50.08	2.49
	23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	87.78	2.60
	23 51 16 00-0531		Polypropylene Flue/Vent Flex Pipe <small>(23 51 16 00-0372)</small>		
	23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	6.15	0.54
	23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	5.19	0.54
	23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	7.60	0.63
	23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	6.40	0.63
	23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	11.21	0.78
	23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	9.35	0.78
	23 51 16 00-0538		Polypropylene Flue/Vent Couplers <small>(23 51 16 00-0372)</small>		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
	23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	39.14	6.10
	23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	45.16	6.10
	23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	102.75	6.43
	23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	196.88	6.66
	23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex	46.94	6.10
	23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex	124.74	6.43
	23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex	341.06	6.66
	23 51 16 00-0546		Polypropylene Flue/Vent Flex End Terminations <small>(23 51 16 00-0372)</small>		
	23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	54.92	6.10
	23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	49.32	6.43
	23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	63.31	6.66
	23 54		Furnaces <small>(23 50)</small>		
			Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.		
	23 54 13		Electric-Resistance Furnaces <small>(23 54)</small>		
	23 54 13 00-0001		Down Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>		
	23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	655.14	40.61
			Note: Excludes cooling equipment.		
	23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	875.01	50.76
			Note: Excludes cooling equipment.		
	23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,147.67	60.91
			Note: Excludes cooling equipment.		
	23 54 13 00-0005		Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>		
	23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace	655.14	40.61
			Note: Excludes cooling equipment.		
	23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	793.11	45.69
			Note: Excludes cooling equipment.		
	23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	864.01	50.76
			Note: Excludes cooling equipment.		
	23 54 13 00-0009	EA	>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	895.32	55.84
			Note: Excludes cooling equipment.		
	23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,147.67	60.91
			Note: Excludes cooling equipment.		
	23 54 13 00-0011		Heating Coil For Air Handler/Electric Furnace <small>(23 54 13)</small>		
	23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	111.65	12.79
	23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	128.87	14.07
	23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	139.48	15.36
	23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	199.59	16.63
	23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	215.70	17.91
	23 54 16		Fuel-Fired Furnaces <small>(23 54)</small>		
	23 54 16 13		Gas-Fired Furnaces <small>(23 54 16)</small>		
	23 54 16 13-0001		Natural Gas Fired Forced Air Furnaces <small>(23 54 16 13)</small>		
			Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
	23 54 16 13-0002		Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
	23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace	1,123.15	35.54
			Note: Blower cooling capacity up to 3 tons.		
	23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace	1,187.44	40.61
			Note: Blower cooling capacity up to 3 tons.		
	23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	1,373.80	45.69
			Note: Blower cooling capacity up to 4 tons.		
	23 54 16 13-0006	EA	100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	1,598.09	55.84
			Note: Blower cooling capacity up to 5 tons.		
	23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	1,700.87	60.91
			Note: Blower cooling capacity up to 5 tons.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0008			Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace ^(23 54 16 13-0001)		
23 54 16 13-0009	EA		40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,263.91	35.54
23 54 16 13-0010	EA		60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,378.81	40.61
23 54 16 13-0011	EA		80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,453.83	45.69
23 54 16 13-0012	EA		80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	1,572.28	50.76
23 54 16 13-0013	EA		100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,709.17	55.84
23 54 16 13-0014	EA		120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,795.46	60.91
23 54 16 13-0015			Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace ^(23 54 16 13-0001)		
23 54 16 13-0016	EA		45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,098.90	35.54
23 54 16 13-0017	EA		70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,262.18	40.61
23 54 16 13-0018	EA		90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,346.78	50.76
23 54 16 13-0019	EA		90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,433.07	55.84
23 54 16 13-0020			Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace ^(23 54 16 13-0001)		
23 54 16 13-0021	EA		40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,479.48	35.54
23 54 16 13-0022	EA		60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,548.18	40.61
23 54 16 13-0023	EA		80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,722.44	45.69
23 54 16 13-0024	EA		100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,862.04	55.84
23 54 16 13-0025	EA		120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,992.32	60.91
23 54 16 13-0026			Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace ^(23 54 16 13-0001)		
23 54 16 13-0027	EA		40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	988.97	35.54
23 54 16 13-0028	EA		60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,032.37	40.61
23 54 16 13-0029	EA		80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,150.54	45.69
23 54 16 13-0030	EA		80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,161.54	45.69
23 54 16 13-0031	EA		80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,264.34	50.76
23 54 16 13-0032	EA		100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,325.34	55.84
23 54 16 13-0033	EA		120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,399.53	60.91
23 54 16 13-0034			Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ^(23 54 16 13-0001)		
23 54 16 13-0035	EA		40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	651.33	35.54
23 54 16 13-0036	EA		60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	706.83	40.61
23 54 16 13-0037	EA		60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	810.70	45.69
23 54 16 13-0038	EA		80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	811.80	45.69
23 54 16 13-0039	EA		80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	889.30	50.76
23 54 16 13-0040	EA		100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	900.82	55.84
23 54 16 13-0041	EA		120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,004.70	60.91
23 54 16 13-0042			Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ^(23 54 16 13-0001)		
23 54 16 13-0043	EA		40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	662.32	35.54
23 54 16 13-0044	EA		60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	710.13	40.61
23 54 16 13-0045	EA		80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	860.20	45.69
23 54 16 13-0046	EA		100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	945.39	50.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)		
23 54 16 13-0048 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	1,222.67	30.46
23 54 16 13-0049 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	1,401.60	38.09
23 54 16 13-0050 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,096.20	30.46
23 54 16 13-0051 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,170.14	33.01
23 54 16 13-0052 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,150.59	35.54
23 54 16 13-0053 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,180.59	38.09
23 54 16 13-0054 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,226.87	38.09
23 54 16 13-0055 Gas Fired Indoor Duct Furnace (23 54 16 13-0001) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056 Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)		
23 54 16 13-0057 EA 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,381.34	79.19
23 54 16 13-0058 EA 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,527.95	97.46
23 54 16 13-0059 EA 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,700.18	140.10
23 54 16 13-0060 EA 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,917.19	158.37
23 54 16 13-0061 EA 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,236.72	182.73
23 54 16 13-0062 EA 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,436.59	219.28
23 54 16 13-0063 EA 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,730.74	292.38
23 54 16 13-0064 Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065 EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,558.19	79.19
23 54 16 13-0066 EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,702.16	97.46
23 54 16 13-0067 EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,939.50	140.10
23 54 16 13-0068 EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,199.62	158.37
23 54 16 13-0069 EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,724.15	182.73
23 54 16 13-0070 EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,965.38	219.28
23 54 16 13-0071 EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,230.49	292.38
23 54 16 16 Oil-Fired Furnaces (23 54 16)		
23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16) Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0003 EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	2,001.29	40.61
Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0004 EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	2,086.40	55.84
Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0005 EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	2,403.06	65.98
Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0007 EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	2,290.96	55.84
Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0008 EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace	2,278.78	65.98
Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0010 EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	1,956.62	55.84
Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0011 EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	2,323.87	65.98
Note: Blower cooling capacity up to 5 tons.		
23 54 19 Furnace Accessories (23 54)		
23 54 19 00-0001 EA LP Gas Furnace Conversion Kit	90.09	10.15
23 54 19 00-0002 EA 1" Furnace External Filter Rack	28.84	
23 54 19 00-0003 EA Removal And Reinstallation Of Forced Air Furnace	188.01	
Note: Includes storage and cleaning. Excludes ductwork.		
23 55 Fuel-Fired Heaters (23 50)		
23 55 23 Gas-Fired Radiant Heaters (23 55)		
23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)		
23 55 23 13-0001 Infrared Heaters-Radiant Energy (23 55 23 13) Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001) Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003 EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	645.12	55.74
23 55 23 13-0004 EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	701.10	61.32
23 55 23 13-0005 EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	756.87	61.32
23 55 23 13-0006 EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	954.70	73.58

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 55 Fuel-Fired Heaters



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0007 EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	964.10	73.58
23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001) Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009 EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	667.53	44.67
For Stainless Steel Housing, Add	133.04	
23 55 23 13-0010 EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	724.84	44.67
For Stainless Steel Housing, Add	147.37	
23 55 23 13-0011 EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	790.34	44.67
For Stainless Steel Housing, Add	163.75	
23 55 23 13-0012 EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	869.08	44.67
For Stainless Steel Housing, Add	183.43	
23 55 23 13-0013 EA 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	957.69	48.73
For Stainless Steel Housing, Add	204.40	
23 55 23 13-0014 EA 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,026.80	52.79
For Stainless Steel Housing, Add	220.12	
23 55 23 13-0015 EA 24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,734.86	56.85
For Stainless Steel Housing, Add	393.07	
23 55 23 13-0016 Gas Fired Tubular Infrared Heater (23 55 23 13-0001) Note: Includes controls and supports.		
23 55 23 13-0017 "U" Package (23 55 23 13-0016)		
23 55 23 13-0018 LF Up To 75 MBH Input Radiant Heater	54.59	2.79
23 55 23 13-0019 LF 76 To 105 MBH Input Radiant Heater	62.86	3.34
23 55 23 13-0020 LF 106 To 130 MBH Input Radiant Heater	77.19	3.90
23 55 23 13-0021 "S" Straight Package (23 55 23 13-0016)		
23 55 23 13-0022 LF Up To 75 MBH Input Radiant Heater	44.23	2.23
23 55 23 13-0023 LF 76 To 105 MBH Input Radiant Heater	56.57	2.79
23 55 23 13-0024 LF 106 To 130 MBH Input Radiant Heater	68.92	3.34
23 55 33 Fuel-Fired Unit Heaters (23 55)		
23 55 33 00-0001 Removal And Reinstallation Of Unit Heaters (23 55 33) Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 00-0002 EA Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	320.52	
23 55 33 00-0003 EA Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	432.00	
23 57 Heat Exchangers for HVAC (23 50)		
23 57 13 Steam-To-Steam Heat Exchangers (23 57)		
23 57 13 00-0001 Steam Generator Heat Exchanger (23 57 13) Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.		
23 57 13 00-0002 EA 75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	11,413.22	891.87
23 57 13 00-0003 EA 300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	15,490.43	947.61
23 57 13 00-0004 EA 525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	20,914.52	1,175.51
23 57 16 Steam-To-Water Heat Exchangers (23 57)		
23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16) Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.		
23 57 16 00-0002 EA 8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,332.37	139.35
For Bronze Head And Tube Sheet, Add	515.95	
For Copper Nickel Tubes, Add	114.66	
For Double Wall Tube Bundles, Add	171.98	
23 57 16 00-0003 EA 10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,959.19	139.35
For Bronze Head And Tube Sheet, Add	781.30	
For Copper Nickel Tubes, Add	173.62	
For Double Wall Tube Bundles, Add	260.43	
23 57 16 00-0004 EA 40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,964.95	195.09
For Bronze Head And Tube Sheet, Add	1,208.81	
For Copper Nickel Tubes, Add	268.62	
For Double Wall Tube Bundles, Add	402.94	
23 57 16 00-0005 EA 64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	4,652.30	195.09
For Bronze Head And Tube Sheet, Add	1,842.70	
For Copper Nickel Tubes, Add	409.49	
For Double Wall Tube Bundles, Add	614.23	
23 57 16 00-0006 EA 96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,134.76	229.65
For Bronze Head And Tube Sheet, Add	2,447.10	
For Copper Nickel Tubes, Add	543.80	
For Double Wall Tube Bundles, Add	815.70	
23 57 16 00-0007 EA 120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,066.72	291.42
For Bronze Head And Tube Sheet, Add	3,213.66	
For Copper Nickel Tubes, Add	714.15	
For Double Wall Tube Bundles, Add	1,071.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0008	EA		168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	9,949.50 3,935.99 874.67 1,312.00	437.40
23 57 16 00-0009	EA		240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	15,131.30 6,132.48 1,362.77 2,044.16	437.40

23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)

23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	2,103.77	139.35
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	2,815.99	139.35
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	3,761.97	167.22
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	5,125.30	181.16
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	5,614.95	181.16
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	7,334.38	195.09
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	7,735.00	195.09
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	9,571.25	222.96
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	11,719.09	250.83
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	12,164.23	250.83
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	15,068.37	295.24
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	18,199.89	324.71
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	21,019.72	354.19

23 57 19 19 Water-To-Water Heat Exchanger (23 57 19)

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19 19)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	1,594.45 140.86 211.30	139.35
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	2,221.26 199.83 299.75	139.35
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	3,325.30 304.66 456.99	195.09
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	4,761.32 438.97 658.46	195.09
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	5,889.95 540.52 810.79	222.96
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	7,859.25 727.25 1,090.88	222.96
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	9,749.04 904.15 1,356.22	218.70
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	12,128.27 1,126.91 1,690.37	218.70
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	15,507.45 1,441.40 2,162.09	218.70

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)

23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	1,799.78 157.68 236.52	111.48
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	4,831.11 445.95 668.93	185.79
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	6,512.51 602.86 904.30	242.36
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	6,975.46 638.99 958.49	293.37
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	8,415.55 770.97 1,156.45	347.34

23 60 Central Cooling Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 61 Refrigerant Compressors** (23 60)**23 61 16 Reciprocating Refrigerant Compressors** (23 61)**23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors** (23 61 16)

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	335.61	47.30
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	402.09	47.30
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	547.62	59.12
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	684.74	59.12
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	767.84	59.12
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	777.42	61.50
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	782.26	61.50
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	859.59	66.23
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	924.46	70.96
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,008.70	75.70
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	1,151.36	75.70
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,293.78	80.42
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	1,319.87	85.16
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,341.21	87.50
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	1,899.63	458.05
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	2,920.96	523.45
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	3,942.35	588.91
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	5,256.93	637.94
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	6,571.67	687.06
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	7,886.00	824.48
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	9,525.66	886.15
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	11,101.83	936.91
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	14,606.21	1,057.03
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	17,279.50	1,084.75
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	21,706.65	1,112.43
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	22,811.21	1,126.32
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	23,869.16	1,140.16
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	25,848.87	1,167.83
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	27,645.00	1,195.59
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	29,630.53	1,406.86
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	31,062.20	1,438.34
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	32,290.99	1,456.66
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	33,375.60	1,501.72
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	34,256.29	1,533.21
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	35,152.42	1,575.22
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	36,010.46	1,592.15
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	36,883.16	1,618.51
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	37,886.12	1,727.66
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	38,863.08	1,820.80

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16)

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons (23 61 16 00-0041)

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	589.90	47.30
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	610.98	47.30
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	655.71	59.12
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	676.78	59.12
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	687.32	59.12
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	708.91	61.50
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	732.09	61.50
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	785.81	66.23
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	837.43	70.96
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	910.11	75.70
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	952.26	75.70
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,024.95	80.42
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,224.10	85.16
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,344.74	87.50

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16 00-0041)

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,646.05	235.56
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,211.43	294.46
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	5,431.26	358.47
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	6,941.43	412.23
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	7,664.72	458.05
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	8,494.08	515.30
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	11,026.45	588.91
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,268.61	588.91
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	17,643.86	687.06
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	19,883.13	736.14
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	21,011.45	771.47
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	21,591.90	809.57
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	22,215.13	812.72
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	23,336.92	850.96
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	24,471.80	886.15



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

23 61 19 Scroll Refrigerant Compressors (23 61)

23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)

Table with columns for UOM, Description, Total Direct Unit Cost, and Demolition Unit Cost. Rows include various scroll refrigerant compressor models from 3 to 30 tons.

23 61 23 Rotary-Screw Refrigerant Compressors (23 61)

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)

Table with columns for UOM, Description, Total Direct Unit Cost, and Demolition Unit Cost. Rows include various rotary screw refrigerant compressor models from 75 to 225 tons.

23 62 Packaged Compressor and Condenser Units (23 60)

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (Shell And Tube Type) And Compressors. Chilled Water Temperature Rise Is 12 Degree F (23 62 13)

Note: Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. units over 50 tons include OEM installed disconnect with single point of connection. Excludes motor starter, piping or power wiring.

Table with columns for UOM, Description, Total Direct Unit Cost, and Demolition Unit Cost. Rows include various packaged air-cooled refrigerant compressor and condenser units from 1 to 100 tons.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 62 Packaged Compressor and Condenser Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0016			Packaged Chiller With Remote Air Cooled Condenser ^(23 62 13) Note: With remote air cooled condenser rated by cooling capacity, Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.		
23 62 13 00-0017	EA		15 Ton Packaged Chiller With Remote Air Cooled Condensers 32,083.57		3,913.60
			<i>For Semi-Hermetic Compressor, Add</i> 2,621.61		
23 62 13 00-0018	EA		20 Ton Packaged Chiller With Remote Air Cooled Condensers 36,580.10		4,125.14
			<i>For Semi-Hermetic Compressor, Add</i> 3,039.55		
23 62 13 00-0019	EA		25 Ton Packaged Chiller With Remote Air Cooled Condensers 42,824.96		4,489.08
			<i>For Semi-Hermetic Compressor, Add</i> 3,609.47		
23 62 13 00-0020	EA		30 Ton Packaged Chiller With Remote Air Cooled Condensers 48,184.87		4,769.68
			<i>For Semi-Hermetic Compressor, Add</i> 4,103.40		
23 62 13 00-0021	EA		40 Ton Packaged Chiller With Remote Air Cooled Condensers 61,082.83		5,263.09
			<i>For Semi-Hermetic Compressor, Add</i> 5,319.22		
23 62 13 00-0022	EA		50 Ton Packaged Chiller With Remote Air Cooled Condensers 67,823.69		5,451.02
			<i>For Semi-Hermetic Compressor, Add</i> 5,965.12		
23 62 13 00-0023	EA		60 Ton Packaged Chiller With Remote Air Cooled Condensers 73,771.56		5,870.34
			<i>For Semi-Hermetic Compressor, Add</i> 6,497.04		
23 62 13 00-0024	EA		70 Ton Packaged Chiller With Remote Air Cooled Condensers 90,652.60		6,281.07
			<i>For Semi-Hermetic Compressor, Add</i> 8,111.80		
23 62 13 00-0025	EA		75 Ton Packaged Chiller With Remote Air Cooled Condensers 91,780.80		6,415.12
			<i>For Semi-Hermetic Compressor, Add</i> 8,216.29		
23 62 13 00-0026	EA		80 Ton Packaged Chiller With Remote Air Cooled Condensers 93,243.82		6,694.06
			<i>For Semi-Hermetic Compressor, Add</i> 8,320.77		
23 62 13 00-0027	EA		90 Ton Packaged Chiller With Remote Air Cooled Condensers 104,000.71		6,998.35
			<i>For Semi-Hermetic Compressor, Add</i> 9,350.84		
23 62 13 00-0028	EA		100 Ton Packaged Chiller With Remote Air Cooled Condensers 115,582.04		7,331.62
			<i>For Semi-Hermetic Compressor, Add</i> 10,459.01		
23 62 13 00-0029	EA		110 Ton Packaged Chiller With Remote Air Cooled Condensers 128,690.90		7,698.17
			<i>For Semi-Hermetic Compressor, Add</i> 11,714.94		
23 62 13 00-0030	EA		120 Ton Packaged Chiller With Remote Air Cooled Condensers 139,430.18		8,103.36
			<i>For Semi-Hermetic Compressor, Add</i> 12,728.12		
23 62 13 00-0031	EA		140 Ton Packaged Chiller With Remote Air Cooled Condensers 154,353.02		8,553.52
			<i>For Semi-Hermetic Compressor, Add</i> 14,152.91		

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units ^(23 62)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 23 00-0001			Water Cooled Condensing Units ^(23 62 23) Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.		
23 62 23 00-0002	EA		5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor 4,371.80		356.80
			<i>For Semi-Hermetic Compressor, Add</i> 383.14		
23 62 23 00-0003	EA		10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor 6,637.74		521.07
			<i>For Semi-Hermetic Compressor, Add</i> 584.79		
23 62 23 00-0004	EA		15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor 7,611.00		564.71
			<i>For Semi-Hermetic Compressor, Add</i> 675.54		
23 62 23 00-0005	EA		20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor 9,445.75		677.64
			<i>For Semi-Hermetic Compressor, Add</i> 841.90		
23 62 23 00-0006	EA		30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor 10,180.92		797.26
			<i>For Semi-Hermetic Compressor, Add</i> 897.36		
23 62 23 00-0007	EA		60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor 21,758.44		1,189.93
			<i>For Semi-Hermetic Compressor, Add</i> 1,992.33		
23 62 23 00-0008	EA		80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor 27,018.13		1,436.13
			<i>For Semi-Hermetic Compressor, Add</i> 2,480.33		
23 62 23 00-0009	EA		120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor 37,509.55		1,571.36
			<i>For Semi-Hermetic Compressor, Add</i> 3,508.76		

23 63 Refrigerant Condensers ^(23 60)**23 63 13 Air-Cooled Refrigerant Condensers** ^(23 63)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0001			Air Cooled Condensing Units ^(23 63 13) Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.		
23 63 13 00-0002	EA		6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor 3,937.22		356.80
			<i>For >10 To 25, Deduct</i> -101.90		
			<i>For >25 To 50, Deduct</i> -169.84		
			<i>For >50, Deduct</i> -271.75		
			<i>For Low Ambient Protection, 0 Degree F, Add</i> 576.69		
			<i>For Winter Start Control, Add</i> 189.91		
			<i>For Semi-Hermetic Unit, Add</i> 339.68		
23 63 13 00-0003	EA		7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor 4,717.90		423.53
			<i>For >10 To 25, Deduct</i> -122.29		
			<i>For >25 To 50, Deduct</i> -203.81		
			<i>For >50, Deduct</i> -326.10		
			<i>For Low Ambient Protection, 0 Degree F, Add</i> 486.52		
			<i>For Winter Start Control, Add</i> 145.69		
			<i>For Semi-Hermetic Unit, Add</i> 407.62		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0004 EA 10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	6,151.77	521.07
For >10 To 25, Deduct	-160.86	
For >25 To 50, Deduct	-268.10	
For >50, Deduct	-428.96	
For Low Ambient Protection, 0 Degree F, Add	572.79	
For Winter Start Control, Add	186.22	
For Semi-Hermetic Unit, Add	536.20	
23 63 13 00-0005 EA 12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	7,674.32	542.12
For >10 To 25, Deduct	-205.59	
For >25 To 50, Deduct	-342.65	
For >50, Deduct	-548.23	
For Low Ambient Protection, 0 Degree F, Add	685.05	
For Winter Start Control, Add	219.20	
For Semi-Hermetic Unit, Add	685.29	
23 63 13 00-0006 EA 15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	9,199.50	564.71
For >10 To 25, Deduct	-250.32	
For >25 To 50, Deduct	-417.19	
For >50, Deduct	-667.51	
For Low Ambient Protection, 0 Degree F, Add	714.54	
For Winter Start Control, Add	169.00	
For Semi-Hermetic Unit, Add	834.39	
23 63 13 00-0007 EA 20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,887.46	677.64
For >10 To 25, Deduct	-325.82	
For >25 To 50, Deduct	-543.04	
For >50, Deduct	-868.86	
For Low Ambient Protection, 0 Degree F, Add	908.33	
For Winter Start Control, Add	211.28	
For Semi-Hermetic Unit, Add	1,086.07	
23 63 13 00-0008 EA 25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	13,550.98	728.99
For >10 To 25, Deduct	-373.42	
For >25 To 50, Deduct	-622.37	
For >50, Deduct	-995.80	
For Low Ambient Protection, 0 Degree F, Add	960.49	
For Winter Start Control, Add	234.83	
For Semi-Hermetic Unit, Add	1,244.74	
23 63 13 00-0009 EA 30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	15,566.38	795.72
For >10 To 25, Deduct	-430.87	
For >25 To 50, Deduct	-718.12	
For >50, Deduct	-1,148.99	
For Low Ambient Protection, 0 Degree F, Add	1,019.11	
For Winter Start Control, Add	264.02	
For Semi-Hermetic Unit, Add	1,436.24	
23 63 13 00-0010 EA 40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	21,498.75	946.53
For >10 To 25, Deduct	-601.17	
For >25 To 50, Deduct	-1,001.95	
For >50, Deduct	-1,603.12	
For Low Ambient Protection, 0 Degree F, Add	1,366.89	
For Winter Start Control, Add	346.37	
For Semi-Hermetic Unit, Add	2,003.90	
23 63 13 00-0011 EA 50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	26,080.26	1,189.93
For >10 To 25, Deduct	-727.35	
For >25 To 50, Deduct	-1,212.26	
For >50, Deduct	-1,939.61	
For Low Ambient Protection, 0 Degree F, Add	1,428.59	
For Winter Start Control, Add	304.74	
For Semi-Hermetic Unit, Add	2,424.51	
23 63 13 00-0012 EA 60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	30,105.88	1,313.31
For >10 To 25, Deduct	-844.02	
For >25 To 50, Deduct	-1,406.70	
For >50, Deduct	-2,250.72	
For Low Ambient Protection, 0 Degree F, Add	1,618.34	
For Winter Start Control, Add	337.86	
For Semi-Hermetic Unit, Add	2,813.39	
23 63 13 00-0013 EA 80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	39,146.75	1,436.13
For >10 To 25, Deduct	-1,107.96	
For >25 To 50, Deduct	-1,846.60	
For >50, Deduct	-2,954.56	
For Low Ambient Protection, 0 Degree F, Add	2,030.98	
For Winter Start Control, Add	406.14	
For Semi-Hermetic Unit, Add	3,693.20	
23 63 13 00-0014 EA 100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	54,200.28	1,293.08
For >10 To 25, Deduct	-1,547.04	
For >25 To 50, Deduct	-2,578.40	
For >50, Deduct	-4,125.44	
For Low Ambient Protection, 0 Degree F, Add	2,205.12	
For Winter Start Control, Add	521.07	
For Semi-Hermetic Unit, Add	5,156.79	
23 63 13 00-0015 EA 120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	67,010.52	1,336.92
For >10 To 25, Deduct	-1,928.67	
For >25 To 50, Deduct	-3,214.45	
For >50, Deduct	-5,143.12	
For Low Ambient Protection, 0 Degree F, Add	2,609.06	
For Semi-Hermetic Unit, Add	6,428.90	

23 63 13 00-0016 Air Cooled Condensing Units (23 63 13)

Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 13 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 63 Refrigerant Condensers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 63 13 00-0017	EA	1.5 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,464.88	132.16
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-38.00	
		For >25 To 50, Deduct	-63.33	
		For >50, Deduct	-101.33	
		For 14 SEER, Add	265.99	
		For 16 SEER, Add	519.32	
		For 18 SEER, Add	1,127.30	
		For Semi-Hermatic Unit, Add	126.66	
23 63 13 00-0018	EA	2 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,567.61	146.92
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-40.42	
		For >25 To 50, Deduct	-67.37	
		For >50, Deduct	-107.79	
		For 14 SEER, Add	282.94	
		For 16 SEER, Add	552.41	
		For 18 SEER, Add	1,199.12	
		For Semi-Hermatic Unit, Add	134.73	
23 63 13 00-0019	EA	2.5 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,653.92	161.61
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-42.35	
		For >25 To 50, Deduct	-70.58	
		For >50, Deduct	-112.93	
		For 14 SEER, Add	296.44	
		For 16 SEER, Add	578.76	
		For 18 SEER, Add	1,256.34	
		For Semi-Hermatic Unit, Add	141.16	
23 63 13 00-0020	EA	3 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,915.33	176.22
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-49.53	
		For >25 To 50, Deduct	-82.55	
		For >50, Deduct	-132.08	
		For 14 SEER, Add	346.71	
		For 16 SEER, Add	676.91	
		For 18 SEER, Add	1,469.39	
		For Semi-Hermatic Unit, Add	165.10	
23 63 13 00-0021	EA	3.5 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,020.79	191.00
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-52.03	
		For >25 To 50, Deduct	-86.72	
		For >50, Deduct	-138.75	
		For 14 SEER, Add	364.23	
		For 16 SEER, Add	711.12	
		For 18 SEER, Add	1,543.64	
		For Semi-Hermatic Unit, Add	173.44	
23 63 13 00-0022	EA	4 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,264.41	205.70
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-58.68	
		For >25 To 50, Deduct	-97.80	
		For >50, Deduct	-156.48	
		For 14 SEER, Add	410.77	
		For 16 SEER, Add	801.97	
		For 18 SEER, Add	1,740.87	
		For Semi-Hermatic Unit, Add	195.60	
23 63 13 00-0023	EA	5 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,575.67	220.28
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-67.36	
		For >25 To 50, Deduct	-112.26	
		For >50, Deduct	-179.62	
		For 14 SEER, Add	471.50	
		For 15 SEER, Add	538.86	
		For 16 SEER, Add	920.56	
		For 18 SEER, Add	1,998.28	
		For Semi-Hermatic Unit, Add	224.53	
		For 15 SEER, Add	538.86	
		For 16 SEER, Add	920.56	
		For 18 SEER, Add	1,998.28	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit (23 63 13)

Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit	135.36	
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit	507.61	
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit	1,078.51	

23 63 23 Water-Cooled Refrigerant Condensers (23 63)**23 63 23 00-0001 Water Cooled Condensers (23 63 23)**

Note: Steel shell and copper tube type. Includes equipment rigging.

23 63 23 00-0002	EA	15 Ton Water Cooled Condenser, Shell And Tube Type	5,520.78	173.76
		For Saddle Legs, Add	417.96	
23 63 23 00-0003	EA	20 Ton Water Cooled Condenser, Shell And Tube Type	7,174.10	233.44
		For Saddle Legs, Add	542.22	
23 63 23 00-0004	EA	25 Ton Water Cooled Condenser, Shell And Tube Type	9,393.88	291.80
		For Dual Compressor, Add	447.59	
		For Saddle Legs, Add	711.66	
23 63 23 00-0005	EA	30 Ton Water Cooled Condenser, Shell And Tube Type	9,839.94	355.02
		For Dual Compressor, Add	465.09	
		For Saddle Legs, Add	739.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 23 00-0006 EA 40 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Dual Compressor, Add</i> <i>For Saddle Legs, Add</i>	11,741.93 552.71 878.81	454.06
23 63 23 00-0007 EA 50 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Dual Compressor, Add</i> <i>For Saddle Legs, Add</i>	13,416.84 632.16 1,005.13	510.65
23 63 23 00-0008 EA 60 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Dual Compressor, Add</i> <i>For Saddle Legs, Add</i>	16,343.27 772.95 1,228.99	583.60
23 63 23 00-0009 EA 75 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Dual Compressor, Add</i> <i>For Saddle Legs, Add</i>	20,192.94 958.07 1,523.32	680.87
23 63 23 00-0010 EA 100 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Dual Compressor, Add</i> <i>For Saddle Legs, Add</i>	22,136.45 1,040.29 1,654.07	878.50
23 63 23 00-0011 EA 150 Ton Water Cooled Condenser, Shell And Tube Type..... <i>For Dual Compressor, Add</i> <i>For Saddle Legs, Add</i>	32,107.86 1,526.04 2,426.40	1,047.40

23 64 Packaged Water Chillers (23 60)

23 64 16 Centrifugal Water Chillers (23 64)

23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16)

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Units over 50 tons include OEM installed disconnect with single point of connection. Excludes piping and power wiring.

23 64 16 16-0002 EA 180 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	111,787.14	2,926.67
23 64 16 16-0003 EA 200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	122,405.18	3,000.78
23 64 16 16-0004 EA 225 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	135,254.38	3,077.06
23 64 16 16-0005 EA 250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	147,743.12	3,200.43
23 64 16 16-0006 EA 275 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	159,886.41	3,381.14
23 64 16 16-0007 EA 300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	171,584.10	3,556.93
23 64 16 16-0008 EA 325 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	182,873.85	3,751.95
23 64 16 16-0009 EA 350 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	193,711.21	3,936.98
23 64 16 16-0010 EA 375 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	204,083.50	4,105.69
23 64 16 16-0011 EA 400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	213,961.14	4,238.91
23 64 16 16-0012 EA 425 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	223,524.46	4,448.91
23 64 16 16-0013 EA 450 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	232,588.64	4,620.54
23 64 16 16-0014 EA 475 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	241,211.60	4,789.97
23 64 16 16-0015 EA 500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	249,335.61	4,921.19
23 64 16 16-0016 EA 550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	264,128.23	5,095.70
23 64 16 16-0017 EA 600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	277,068.03	5,206.49
23 64 16 16-0018 EA 650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	288,491.55	5,463.84
23 64 16 16-0019 EA 700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	298,170.86	5,725.10
23 64 16 16-0020 EA 750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	306,144.46	6,012.50
23 64 16 16-0021 EA 800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	325,268.33	6,302.57
23 64 16 16-0022 EA 850 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	344,256.02	6,591.73
23 64 16 16-0023 EA 900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	363,151.11	6,908.63
23 64 16 16-0024 EA 950 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	381,959.10	7,257.55
23 64 16 16-0025 EA 1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	400,315.24	7,491.30
23 64 16 16-0026 EA 1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	433,772.46	8,643.84
23 64 16 16-0027 EA 1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	465,924.76	9,799.67
23 64 16 16-0028 EA 1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor.	496,415.26	10,735.94

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0029 EA 1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	525,021.07	11,312.42
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
23 64 16 16-0030 EA 1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	552,280.34	11,870.04
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
23 64 16 16-0031 EA 1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	577,900.28	12,214.12
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
23 64 16 16-0032 EA 1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	603,010.97	13,066.25
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
23 64 16 16-0033 EA 1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	626,467.52	13,703.62
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
23 64 16 16-0034 EA 1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	648,912.49	14,530.57
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
23 64 16 16-0035 EA 2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	669,557.78	15,049.53
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
23 64 16 16-0036 EA 2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	713,803.97	15,901.40
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
23 64 16 16-0037 EA 2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	751,851.16	16,855.47
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		

23 64 23 Scroll Water Chillers (23 64)**23 64 23 00-0001 Packaged Air Cooled Scroll Water Chillers (23 64 23)**

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel.

23 64 23 00-0002 EA 10 Ton Packaged Air Cooled Scroll Water Chiller.....	15,462.40	813.21
23 64 23 00-0003 EA 15 Ton Packaged Air Cooled Scroll Water Chiller.....	22,742.69	823.64
23 64 23 00-0004 EA 18 Ton Packaged Air Cooled Scroll Water Chiller.....	24,826.26	880.98
23 64 23 00-0005 EA 22 Ton Packaged Air Cooled Scroll Water Chiller.....	27,322.10	943.54
23 64 23 00-0006 EA 25 Ton Packaged Air Cooled Scroll Water Chiller.....	27,751.90	1,006.09
23 64 23 00-0007 EA 30 Ton Packaged Air Cooled Scroll Water Chiller.....	29,276.35	1,079.06
23 64 23 00-0008 EA 40 Ton Packaged Air Cooled Scroll Water Chiller.....	33,498.32	1,167.69
23 64 23 00-0009 EA 45 Ton Packaged Air Cooled Scroll Water Chiller.....	35,972.52	1,266.74
23 64 23 00-0010 EA 50 Ton Packaged Air Cooled Scroll Water Chiller.....	37,996.82	1,303.23
23 64 23 00-0011 EA 55 Ton Packaged Air Cooled Scroll Water Chiller.....	39,685.89	1,360.57
23 64 23 00-0012 EA 60 Ton Packaged Air Cooled Scroll Water Chiller.....	41,018.40	1,407.48
23 64 23 00-0013 EA 70 Ton Packaged Air Cooled Scroll Water Chiller.....	47,336.50	1,584.72
23 64 23 00-0014 EA 80 Ton Packaged Air Cooled Scroll Water Chiller.....	50,941.95	1,735.89
23 64 23 00-0015 EA 90 Ton Packaged Air Cooled Scroll Water Chiller.....	51,880.39	1,741.11
23 64 23 00-0016 EA 100 Ton Packaged Air Cooled Scroll Water Chiller.....	54,927.63	1,746.31

23 64 23 00-0017 Packaged Water Cooled Scroll Water Chillers (23 64 23)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 00-0018 EA 20 Ton Packaged Water Cooled Scroll Water Chiller	34,630.22	927.11
23 64 23 00-0019 EA 25 Ton Packaged Water Cooled Scroll Water Chiller	40,096.84	955.12
23 64 23 00-0020 EA 30 Ton Packaged Water Cooled Scroll Water Chiller	44,507.45	1,048.52
23 64 23 00-0021 EA 40 Ton Packaged Water Cooled Scroll Water Chiller	54,673.51	1,362.76
23 64 23 00-0022 EA 50 Ton Packaged Water Cooled Scroll Water Chiller	60,513.34	1,493.44
23 64 23 00-0023 EA 60 Ton Packaged Water Cooled Scroll Water Chiller	63,414.28	1,650.07

23 64 26 Rotary-Screw Water Chillers (23 64)**23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)****23 64 26 13-0001 Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)**

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 V motor, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel.

23 64 26 13-0002 EA 70 Ton Packaged Air Cooled Rotary-Screw Water Chiller	92,789.05	1,996.53
For Semi-Hermetic Compressor Instead Of Hermetic, Add	8,979.69	
For 208/230 Volt Motor, Add	3,591.87	
23 64 26 13-0003 EA 80 Ton Packaged Air Cooled Rotary-Screw Water Chiller	99,693.59	2,168.56
For Semi-Hermetic Compressor Instead Of Hermetic, Add	9,644.60	
For 208/230 Volt Motor, Add	3,857.84	
23 64 26 13-0004 EA 90 Ton Packaged Air Cooled Rotary-Screw Water Chiller	104,891.66	2,262.39
For Semi-Hermetic Compressor Instead Of Hermetic, Add	10,149.81	
For 208/230 Volt Motor, Add	4,059.92	
23 64 26 13-0005 EA 100 Ton Packaged Air Cooled Rotary-Screw Water Chiller	108,642.27	2,434.42
For Semi-Hermetic Compressor Instead Of Hermetic, Add	10,499.32	
For 208/230 Volt Motor, Add	4,199.73	
23 64 26 13-0006 EA 110 Ton Packaged Air Cooled Rotary-Screw Water Chiller	116,684.32	2,554.32
For Semi-Hermetic Compressor Instead Of Hermetic, Add	11,285.81	
For 208/230 Volt Motor, Add	4,514.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0007	EA		120 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i>	124,149.03 12,023.94 4,809.57	2,606.44
23 64 26 13-0008	EA		130 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i>	131,137.07 12,709.71 5,083.88	2,695.07
23 64 26 13-0009	EA		140 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i>	135,370.16 13,124.16 5,249.66	2,752.41
23 64 26 13-0010	EA		160 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i>	143,081.15 13,886.39 5,554.56	2,809.75
23 64 26 13-0011	EA		170 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i>	149,404.00 14,505.65 5,802.26	2,898.37
23 64 26 13-0012	EA		180 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i>	157,609.39 15,308.98 6,123.59	3,013.05
23 64 26 13-0013	EA		200 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i>	164,861.03 16,025.28 6,410.11	3,075.61
23 64 26 13-0014	EA		215 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i>	176,963.40 17,227.18 6,890.87	3,127.73
23 64 26 13-0015	EA		225 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i> <i>For Aluminum Fins Instead Of Copper, Deduct</i>	185,017.75 18,028.44 7,211.38 -2,704.27	3,159.01
23 64 26 13-0016	EA		240 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i>	193,072.10 18,829.71 7,531.88	3,185.08
23 64 26 13-0017	EA		260 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i>	217,203.85 21,233.50 8,493.40	3,247.63
23 64 26 13-0018	EA		280 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i>	229,311.44 22,435.40 8,974.16	3,310.19
23 64 26 13-0019	EA		300 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i>	245,420.13 24,037.93 9,615.17	3,362.32
23 64 26 13-0020	EA		325 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Semi-Hermetic Compressor Instead Of Hermetic, Add</i> <i>For 208/230 Volt Motor, Add</i>	269,541.46 26,441.72 10,576.69	3,419.66

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Units over 50 tons include OEM installed disconnect with single point of connection. Excludes piping and power wiring.

23 64 26 16-0002	EA		70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	67,198.58	2,308.30
23 64 26 16-0003	EA		80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	73,183.27	2,398.07
23 64 26 16-0004	EA		90 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	78,364.71	2,462.19
23 64 26 16-0005	EA		100 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	82,792.73	2,566.06
23 64 26 16-0006	EA		110 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	87,255.30	2,636.59
23 64 26 16-0007	EA		125 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	92,704.55	2,710.61
23 64 26 16-0008	EA		130 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	95,076.75	2,786.37
23 64 26 16-0009	EA		150 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	103,234.25	2,861.78
23 64 26 16-0010	EA		175 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	111,168.57	2,932.61
23 64 26 16-0011	EA		190 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	114,896.63	3,079.27
23 64 26 16-0012	EA		200 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	116,962.68	3,227.77
23 64 26 16-0013	EA		210 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	118,515.02	3,296.87
23 64 26 16-0014	EA		235 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	129,086.94	3,368.98
23 64 26 16-0015	EA		255 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	137,220.97	3,523.18
23 64 26 16-0016	EA		275 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	144,920.75	3,665.78
23 64 26 16-0017	EA		300 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	153,911.07	3,811.00
23 64 26 16-0018	EA		350 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	168,948.20	4,148.78
23 64 26 16-0019	EA		400 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	181,116.99	4,563.25
23 64 26 16-0020	EA		450 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	190,426.91	5,019.78

23 65 Cooling Towers (23 60)

23 65 13 Forced-Draft Cooling Towers (23 65)

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)

23 65 13 16-0001 Blow-Thru Centrifugal Fan Type Cooling Towers (23 65 13 16)

Note: Including 2-speed motor internal piping, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0002	EA		50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	11,076.48 5,867.08	865.34
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23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 65 13 16-0003	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	15,313.31	1,058.22
		<i>For Stainless Steel Cooling Tower, Add</i>	8,240.29	
23 65 13 16-0004	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	19,167.21	1,329.28
		<i>For Stainless Steel Cooling Tower, Add</i>	10,217.95	
23 65 13 16-0005	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	22,122.34	1,485.67
		<i>For Stainless Steel Cooling Tower, Add</i>	11,840.90	
23 65 13 16-0006	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	25,291.77	1,673.34
		<i>For Stainless Steel Cooling Tower, Add</i>	13,561.15	
23 65 13 16-0007	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	28,440.21	1,876.64
		<i>For Stainless Steel Cooling Tower, Add</i>	15,256.30	
23 65 13 16-0008	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	31,923.42	2,090.37
		<i>For Stainless Steel Cooling Tower, Add</i>	17,139.79	
23 65 13 16-0009	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	34,862.20	2,356.23
		<i>For Stainless Steel Cooling Tower, Add</i>	18,646.58	
23 65 13 16-0010	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	37,963.20	2,616.87
		<i>For Stainless Steel Cooling Tower, Add</i>	20,253.83	
23 65 13 16-0011	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	41,491.95	3,096.46
		<i>For Stainless Steel Cooling Tower, Add</i>	21,911.31	
23 65 13 16-0012	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	45,068.60	3,430.08
		<i>For Stainless Steel Cooling Tower, Add</i>	23,732.02	
23 65 13 16-0013	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	47,484.57	3,649.03
		<i>For Stainless Steel Cooling Tower, Add</i>	24,987.68	
23 65 13 16-0014	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	50,313.70	3,862.76
		<i>For Stainless Steel Cooling Tower, Add</i>	26,463.08	
23 65 13 16-0015	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	53,075.05	4,050.42
		<i>For Stainless Steel Cooling Tower, Add</i>	27,938.48	
23 65 13 16-0016	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	56,249.73	4,238.08
		<i>For Stainless Steel Cooling Tower, Add</i>	29,665.02	
23 65 13 16-0017	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	59,602.05	4,467.45
		<i>For Stainless Steel Cooling Tower, Add</i>	31,454.34	
23 65 13 16-0018	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	63,420.03	4,696.82
		<i>For Stainless Steel Cooling Tower, Add</i>	33,526.18	
23 65 13 16-0019	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	67,138.77	4,894.90
		<i>For Stainless Steel Cooling Tower, Add</i>	35,566.64	
23 65 13 16-0020	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	70,862.72	5,092.99
		<i>For Stainless Steel Cooling Tower, Add</i>	37,607.09	
23 65 13 16-0021	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	78,003.06	5,306.72
		<i>For Stainless Steel Cooling Tower, Add</i>	41,687.99	
23 65 13 16-0022	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	85,771.24	5,515.24
		<i>For Stainless Steel Cooling Tower, Add</i>	46,145.59	
23 65 13 16-0023	EA	650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	88,952.09	5,629.92
		<i>For Stainless Steel Cooling Tower, Add</i>	48,029.08	
23 65 13 16-0024	EA	700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	92,760.78	5,702.90
		<i>For Stainless Steel Cooling Tower, Add</i>	50,289.28	
23 65 13 16-0025	EA	750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	97,091.15	5,994.83
		<i>For Stainless Steel Cooling Tower, Add</i>	52,612.25	
23 65 13 16-0026	EA	800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	102,153.97	6,286.75
		<i>For Stainless Steel Cooling Tower, Add</i>	55,374.71	
23 65 13 16-0027	EA	850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	107,258.51	6,604.74
		<i>For Stainless Steel Cooling Tower, Add</i>	58,137.17	
23 65 13 16-0028	EA	900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	113,200.15	6,922.72
		<i>For Stainless Steel Cooling Tower, Add</i>	61,401.89	
23 65 13 16-0029	EA	950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	119,319.41	7,287.62
		<i>For Stainless Steel Cooling Tower, Add</i>	64,729.39	
23 65 13 16-0030	EA	1,000 Ton Centrifugal Type Cooling Tower	126,270.56	7,652.53
		<i>For Stainless Steel Cooling Tower, Add</i>	68,559.16	

23 65 14 Induced-Draft Cooling Towers (23 65)**23 65 14 00-0001 Induced Draft Axial Single Flow Propeller Type Cooling Towers (23 65 14)**

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 00-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	5,600.19	583.84
23 65 14 00-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	6,662.00	630.76
23 65 14 00-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	7,985.27	708.95
23 65 14 00-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	8,863.84	781.93
23 65 14 00-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	10,527.13	865.34
23 65 14 00-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	12,279.25	933.11
23 65 14 00-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	14,104.73	1,058.22
23 65 14 00-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	17,519.15	1,329.28
23 65 14 00-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	19,087.82	1,485.67
23 65 14 00-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	29,411.56	1,673.34
23 65 14 00-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	35,562.23	2,090.37
23 65 14 00-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	45,689.95	3,430.08

23 65 14 00-0014 Induced Draft Double Flow Propeller Type Packaged Cooling Towers (23 65 14)

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 00-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	17,519.15	1,329.28
23 65 14 00-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	23,382.12	1,673.34
23 65 14 00-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	29,726.01	2,090.37
23 65 14 00-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	35,211.21	2,616.87
23 65 14 00-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	41,704.47	3,430.08
23 65 14 00-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	46,468.23	3,862.76
23 65 14 00-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	51,854.92	4,238.08



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 00-0022	EA		450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	58,815.94	4,696.82
23 65 14 00-0023	EA		500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	66,415.58	5,092.99
23 65 14 00-0024	EA		550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	71,201.56	5,369.28
23 65 14 00-0025	EA		600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	76,382.02	5,515.24
23 65 14 00-0026	EA		700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	86,953.34	5,702.90
23 65 14 00-0027	EA		800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	95,352.47	6,286.75
23 65 14 00-0028			Induced Draft Crossflow Film Filled Propeller Type Cooling Towers ^(23 65 14)		
<i>Note: Galvanized Steel. Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.</i>					
23 65 14 00-0029	EA		10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	4,723.86	583.84
For Polymer Coating Over Galvanized Components, Add				577.22	
23 65 14 00-0030	EA		15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	5,114.16	594.27
For Polymer Coating Over Galvanized Components, Add				634.19	
23 65 14 00-0031	EA		20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	5,560.90	646.40
For Polymer Coating Over Galvanized Components, Add				688.70	
23 65 14 00-0032	EA		25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	6,532.68	677.67
For Polymer Coating Over Galvanized Components, Add				827.42	
23 65 14 00-0033	EA		30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	7,421.88	708.95
For Polymer Coating Over Galvanized Components, Add				953.77	
23 65 14 00-0034	EA		35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,288.48	745.44
For Polymer Coating Over Galvanized Components, Add				1,075.16	
23 65 14 00-0035	EA		40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,083.81	781.93
For Polymer Coating Over Galvanized Components, Add				1,186.64	
23 65 14 00-0036	EA		45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,966.92	823.64
For Polymer Coating Over Galvanized Components, Add				1,310.50	
23 65 14 00-0037	EA		50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	10,827.42	865.34
For Polymer Coating Over Galvanized Components, Add				1,429.41	
23 65 14 00-0038	EA		60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	12,528.47	933.11
For Polymer Coating Over Galvanized Components, Add				1,669.71	
23 65 14 00-0039	EA		70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	14,372.07	1,006.09
For Polymer Coating Over Galvanized Components, Add				1,929.83	
23 65 14 00-0040	EA		75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	15,221.26	1,058.22
For Polymer Coating Over Galvanized Components, Add				2,046.26	
23 65 14 00-0041	EA		80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,133.03	1,146.84
For Polymer Coating Over Galvanized Components, Add				2,162.70	
23 65 14 00-0042	EA		90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,797.06	1,235.45
For Polymer Coating Over Galvanized Components, Add				2,241.97	
23 65 14 00-0043	EA		100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	18,025.15	1,329.28
For Polymer Coating Over Galvanized Components, Add				2,383.18	
23 65 14 00-0044	EA		125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	18,721.29	1,485.67
For Polymer Coating Over Galvanized Components, Add				2,450.07	
23 65 14 00-0045	EA		150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	21,765.19	1,673.34
For Polymer Coating Over Galvanized Components, Add				2,861.30	
23 65 14 00-0046	EA		175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	24,037.22	1,876.64
For Polymer Coating Over Galvanized Components, Add				3,153.63	
23 65 14 00-0047	EA		200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	25,256.59	2,090.37
For Polymer Coating Over Galvanized Components, Add				3,284.92	
23 65 14 00-0048	EA		225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	29,218.35	2,356.23
For Polymer Coating Over Galvanized Components, Add				3,815.07	
23 65 14 00-0049	EA		250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	32,018.83	2,616.87
For Polymer Coating Over Galvanized Components, Add				4,171.80	
23 65 14 00-0050	EA		275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	34,122.87	3,096.46
For Polymer Coating Over Galvanized Components, Add				4,372.47	
23 65 14 00-0051	EA		300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	36,778.99	3,430.08
For Polymer Coating Over Galvanized Components, Add				4,689.56	
23 65 14 00-0052	EA		350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	42,063.60	3,862.76
For Polymer Coating Over Galvanized Components, Add				5,378.26	
23 65 14 00-0053	EA		400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	46,379.05	4,238.08
For Polymer Coating Over Galvanized Components, Add				5,935.65	
23 65 14 00-0054	EA		450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	51,259.46	4,696.82
For Polymer Coating Over Galvanized Components, Add				6,557.46	
23 65 14 00-0055	EA		500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	55,864.34	5,092.99
For Polymer Coating Over Galvanized Components, Add				7,152.02	
23 65 14 00-0056	EA		600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	63,973.98	5,515.24
For Polymer Coating Over Galvanized Components, Add				8,266.81	
23 65 14 00-0057	EA		700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	72,001.31	5,702.90
For Polymer Coating Over Galvanized Components, Add				9,458.40	
23 65 14 00-0058	EA		800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	80,515.89	6,286.75
For Polymer Coating Over Galvanized Components, Add				10,597.97	
23 65 14 00-0059			Draw-Thru Fiberglass Packaged Propeller Type Cooling Towers ^(23 65 14)		
<i>Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.</i>					
23 65 14 00-0060	EA		5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	1,955.46	323.20
23 65 14 00-0061	EA		8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	2,159.22	401.39
23 65 14 00-0062	EA		10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	2,622.77	453.52
23 65 14 00-0063	EA		15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	3,054.96	495.22
23 65 14 00-0064	EA		20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,045.52	536.93
23 65 14 00-0065	EA		25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,320.32	589.06
23 65 14 00-0066	EA		30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,946.38	766.30
23 65 14 00-0067	EA		40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,693.07	698.52
23 65 14 00-0068	EA		50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,405.17	802.79

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 65 14 00-0069	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,243.22	896.62
23 65 14 00-0070	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,406.34	990.45
23 65 14 00-0071	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,480.62	1,256.31
23 65 14 00-0072	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	11,235.88	1,417.91
23 65 14 00-0073	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,889.63	1,574.29
23 65 14 00-0074	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	15,398.88	1,652.48
23 65 14 00-0075	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	18,530.89	1,725.47
23 65 14 00-0076	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	20,477.91	1,803.66
23 65 14 00-0077	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	22,364.66	1,881.85
23 65 14 00-0078	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	24,276.95	2,033.02
23 65 14 00-0079	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	28,272.50	2,267.61
23 65 14 00-0080	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	32,079.31	2,507.41
23 65 14 00-0081	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	36,064.83	2,971.35
23 65 14 00-0082	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	43,678.47	3,450.93
23 65 14 00-0083	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	50,124.64	3,742.86
23 65 14 00-0084	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	56,387.96	4,238.08
23 65 14 00-0085	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	62,095.53	4,738.52

23 65 14 00-0086 Stainless Steel Packaged Propeller Type Cooling Towers (23 65 14)

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 00-0087 Draw-Thru Stainless Steel Propeller Type Cooling Towers (23 65 14 00-0086)

Note: Excludes crane and associated personnel.

23 65 14 00-0088	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	13,458.05	865.34
23 65 14 00-0089	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	19,069.07	1,058.22
23 65 14 00-0090	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	22,535.58	1,329.28
23 65 14 00-0091	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	25,539.13	1,485.67
23 65 14 00-0092	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	28,032.33	1,673.34
23 65 14 00-0093	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	33,643.77	2,090.37
23 65 14 00-0094	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	39,652.10	2,616.87
23 65 14 00-0095	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	47,122.90	3,430.08
23 65 14 00-0096	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	51,626.13	3,862.76
23 65 14 00-0097	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	58,479.65	4,238.08
23 65 14 00-0098	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	67,854.82	5,092.99
23 65 14 00-0099	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	76,517.48	5,515.24
23 65 14 00-0100	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	94,404.80	5,994.83

23 65 14 00-0101 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers (23 65

14 00-0086)

Note: Excludes crane and associated personnel.

23 65 14 00-0102	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	31,814.87	1,329.28
		<i>For Induced Draft Counter Flow Type, Add</i>	1,483.88	
23 65 14 00-0103	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	36,052.14	1,475.25
		<i>For Induced Draft Counter Flow Type, Add</i>	1,683.23	
23 65 14 00-0104	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	39,418.57	1,673.34
		<i>For Induced Draft Counter Flow Type, Add</i>	1,836.44	
23 65 14 00-0105	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	43,900.40	2,090.37
		<i>For Induced Draft Counter Flow Type, Add</i>	2,027.17	
23 65 14 00-0106	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	49,813.95	2,616.87
		<i>For Induced Draft Counter Flow Type, Add</i>	2,280.36	
23 65 14 00-0107	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	57,342.24	3,430.08
		<i>For Induced Draft Counter Flow Type, Add</i>	2,591.35	
23 65 14 00-0108	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	62,516.72	3,862.76
		<i>For Induced Draft Counter Flow Type, Add</i>	2,815.41	
23 65 14 00-0109	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	67,597.35	4,238.08
		<i>For Induced Draft Counter Flow Type, Add</i>	3,039.47	
23 65 14 00-0110	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	78,092.81	5,092.99
		<i>For Induced Draft Counter Flow Type, Add</i>	3,495.43	
23 65 14 00-0111	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	88,124.24	5,515.24
		<i>For Induced Draft Counter Flow Type, Add</i>	3,963.12	
23 65 14 00-0112	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	108,902.16	5,994.83
		<i>For Induced Draft Counter Flow Type, Add</i>	4,949.88	
23 65 14 00-0113	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	141,167.56	7,652.53
		<i>For Induced Draft Counter Flow Type, Add</i>	6,458.11	

23 65 14 00-0114 Belt Driven Stainless Steel Propeller Type Cooling Towers (23 65 14 00-0086)

Note: Excludes crane and associated personnel.

23 65 14 00-0115	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	23,453.87	1,329.28
23 65 14 00-0116	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	25,396.18	1,485.67
23 65 14 00-0117	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	27,392.16	1,673.34
23 65 14 00-0118	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	32,433.36	2,090.37
23 65 14 00-0119	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	35,862.38	2,616.87

23 65 43 Cooling Tower Basins And Accessories (23 65)**23 65 43 00-0001 Fiberglass Cooling Tower Sump Basins (23 65 43)**

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel.

23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	667.95	
		<i>For Anti-Flotation Flanges, Add</i>	115.00	
		<i>For Perforated Basins, Add</i>	80.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0003 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin 755.17 For Anti-Flotation Flanges, Add 115.00 For Perforated Basins, Add 80.00		
23 65 43 00-0004 EA 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin 745.06 For Anti-Flotation Flanges, Add 253.00 For Perforated Basins, Add 80.00		
23 65 43 00-0005 EA 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin 871.10 For Anti-Flotation Flanges, Add 253.00 For Perforated Basins, Add 80.00		
23 65 43 00-0006 EA 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin 942.37 For Anti-Flotation Flanges, Add 276.00 For Perforated Basins, Add 100.00		
23 65 43 00-0007 EA 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin 1,047.14 For Anti-Flotation Flanges, Add 276.00 For Perforated Basins, Add 100.00		
23 65 43 00-0008 EA 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin 1,151.89 For Anti-Flotation Flanges, Add 276.00 For Perforated Basins, Add 100.00		
23 65 43 00-0009 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin 1,172.09 For Anti-Flotation Flanges, Add 294.00 For Perforated Basins, Add 140.00		
23 65 43 00-0010 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin 1,297.59 For Anti-Flotation Flanges, Add 294.00 For Perforated Basins, Add 140.00		
23 65 43 00-0011 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin 1,476.81 For Anti-Flotation Flanges, Add 294.00 For Perforated Basins, Add 140.00		
23 65 43 00-0012 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin 1,657.63 For Anti-Flotation Flanges, Add 294.00 For Perforated Basins, Add 140.00		
23 65 43 00-0013 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin 1,779.93 For Anti-Flotation Flanges, Add 294.00 For Perforated Basins, Add 140.00		
23 65 43 00-0014 Cooling Tower Accessories (23 65 43)		
23 65 43 00-0015 SF Galvanized Steel Platform, Cooling Tower Accessory 81.08 Note: Includes toeboard. Toeboards are 10 gauge heavy mill galvanized steel.		
23 65 43 00-0016 LF Galvanized Railings With Ladder, Cooling Tower Accessory 45.44 Note: Ladder is all aluminum construction with 3" x 1-1/8" I-Beam side rails and 1-1/4" diameter serrated rounds. Handrail and kneerail fabricated from galvanized structural tubing. Based on perimeter LF of the equipment.		
23 65 43 00-0017 LF Galvanized Safety Cage, Cooling Tower Accessory 9.59		

23 70 Central HVAC Equipment (23)

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 71 Thermal Storage (23 70)

23 71 13 Thermal Heat Storage (23 71)

23 71 13 23 Pressurized-Water Thermal Storage Tanks (23 71 13)

23 71 13 23-0001 Nickelshield Storage Tanks (23 71 13 23)

23 71 13 23-0002 EA 325 Gallon Nickelshield Storage Tank 16,406.26	88.34
23 71 13 23-0003 EA 490 Gallon Nickelshield Storage Tank 22,898.58	117.12
23 71 13 23-0004 EA 605 Gallon Nickelshield Storage Tank 26,210.90	141.66
23 71 13 23-0005 EA 740 Gallon Nickelshield Storage Tank 31,028.35	177.08
23 71 13 23-0006 EA 940 Gallon Nickelshield Storage Tank 36,081.44	235.39
23 71 13 23-0007 EA 1,505 Gallon Nickelshield Storage Tank 46,588.01	354.18
23 71 13 23-0008 EA 1,615 Gallon Nickelshield Storage Tank 52,610.55	398.93
23 71 13 23-0009 EA 2,275 Gallon Nickelshield Storage Tank 72,259.49	529.89
23 71 13 23-0010 EA 3,815 Gallon Nickelshield Storage Tank 93,540.85	616.02

23 72 Air-To-Air Energy Recovery Equipment (23 70)

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment (23 72)

23 72 13 00-0001 Enthalpy Recovery Wheel (23 72 13)

23 72 13 00-0002 EA Up To 1,000 CFM Enthalpy Recovery Wheel 5,529.89	371.52
23 72 13 00-0003 EA >1,000 To 2,000 CFM Enthalpy Recovery Wheel 6,129.74	445.94
23 72 13 00-0004 EA >2,000 To 4,000 CFM Enthalpy Recovery Wheel 7,670.48	557.42
23 72 13 00-0005 EA >4,000 To 6,000 CFM Enthalpy Recovery Wheel 8,974.10	636.85
23 72 13 00-0006 EA >6,000 To 8,000 CFM Enthalpy Recovery Wheel 9,939.50	668.90
23 72 13 00-0007 EA >8,000 To 10,000 CFM Enthalpy Recovery Wheel 12,099.58	743.31
23 72 13 00-0008 EA >10,000 To 15,000 CFM Enthalpy Recovery Wheel 16,128.64	780.39
23 72 13 00-0009 EA >15,000 To 20,000 CFM Enthalpy Recovery Wheel 20,125.88	836.13
23 72 13 00-0010 EA >20,000 To 25,000 CFM Enthalpy Recovery Wheel 24,388.11	955.41
23 72 13 00-0011 EA >25,000 To 30,000 CFM Enthalpy Recovery Wheel 27,288.61	1,226.32
23 72 13 00-0012 EA >30,000 To 40,000 CFM Enthalpy Recovery Wheel 36,640.63	1,393.55
23 72 13 00-0013 EA >40,000 To 50,000 CFM Enthalpy Recovery Wheel 43,577.59	1,672.25

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 72 Air-To-Air Energy Recovery Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 72 16 00-0001			Glycol Heat Pipe Type, 50 Percent Efficient ^(23 72 16)		
23 72 16 00-0002	EA		100 MBH, 1,700 CFM Glycol Heat Recovery Unit	10,076.12	278.71
23 72 16 00-0003	EA		160 MBH, 2,700 CFM Glycol Heat Recovery Unit	15,861.15	371.63
23 72 16 00-0004	EA		620 MBH, 4,000 CFM Glycol Heat Recovery Unit	23,511.76	557.42

23 73 Indoor Central-Station Air-Handling Units ^(23 70)**23 73 13 Modular Indoor Central-Station Air-Handling Units ^(23 73)**

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0001			Single Zone Units ^(23 73 13)		
			Note: Horizontal/vertical draw-thru fan, motor and cabinet.		
23 73 13 00-0002	EA		300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	1,408.15	210.52
			For Flat Filter Box And Throwaway Filters, Add	125.78	
			For Medium Capacity Filter Box And Throwaway Filters, Add	242.53	
			For Combination Filter Mixing Box And Throwaway Filters, Add	362.30	
			For Manual Roll Filter, Add	639.15	
			For Automatic Roll Filter, Add	694.52	
			For Hot Water Heating Coil, Aluminum Fins, Add	306.93	
			For Electric Heating Coil, Add	528.41	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	528.41	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	473.04	
			For Steam Heating Coil, Aluminum Fins, Add	417.67	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	347.26	
			For Chilled Water Cooling Coil, Copper Fins, Add	639.15	
			For Direct Expansion Cooling Coil, Copper Fins, Add	583.78	
			For Hot Water Heating Coil, Copper Fins, Add	417.67	
			For Variable Air Volume, Add	155.04	
			For Economizer, Panel, Controls And Damper(s), Add	850.53	
			For 2 Coils, Independent Circuits, Add	162.96	
			For Coil Coating For Each Coil, Add	83.06	
23 73 13 00-0003	EA		500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,319.86	252.63
			For Flat Filter Box And Throwaway Filters, Add	213.96	
			For Medium Capacity Filter Box And Throwaway Filters, Add	417.09	
			For Combination Filter Mixing Box And Throwaway Filters, Add	623.84	
			For Manual Roll Filter, Add	1,113.65	
			For Automatic Roll Filter, Add	1,211.61	
			For Hot Water Heating Coil, Aluminum Fins, Add	525.87	
			For Electric Heating Coil, Add	917.72	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	917.72	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	819.76	
			For Steam Heating Coil, Aluminum Fins, Add	721.80	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	605.81	
			For Chilled Water Cooling Coil, Copper Fins, Add	1,113.65	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,015.69	
			For Hot Water Heating Coil, Copper Fins, Add	721.80	
			For Variable Air Volume, Add	274.30	
			For Economizer, Panel, Controls And Damper(s), Add	892.43	
			For 2 Coils, Independent Circuits, Add	271.17	
			For Coil Coating For Each Coil, Add	146.94	
23 73 13 00-0004	EA		800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,639.20	271.31
			For Flat Filter Box And Throwaway Filters, Add	244.54	
			For Medium Capacity Filter Box And Throwaway Filters, Add	477.46	
			For Combination Filter Mixing Box And Throwaway Filters, Add	714.25	
			For Manual Roll Filter, Add	1,277.16	
			For Automatic Roll Filter, Add	1,389.74	
			For Hot Water Heating Coil, Aluminum Fins, Add	601.67	
			For Electric Heating Coil, Add	1,051.99	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,051.99	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	939.41	
			For Steam Heating Coil, Aluminum Fins, Add	826.83	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	694.87	
			For Chilled Water Cooling Coil, Copper Fins, Add	1,277.16	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,164.58	
			For Hot Water Heating Coil, Copper Fins, Add	826.83	
			For Variable Air Volume, Add	315.23	
			For Economizer, Panel, Controls And Damper(s), Add	911.29	
			For 2 Coils, Independent Circuits, Add	308.95	
			For Coil Coating For Each Coil, Add	168.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0005	EA		1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,995.11	291.53
			For Flat Filter Box And Throwaway Filters, Add	278.68	
			For Medium Capacity Filter Box And Throwaway Filters, Add	544.87	
			For Combination Filter Mixing Box And Throwaway Filters, Add	815.23	
			For Manual Roll Filter, Add	1,459.87	
			For Automatic Roll Filter, Add	1,588.80	
			For Hot Water Heating Coil, Aluminum Fins, Add	686.30	
			For Electric Heating Coil, Add	1,202.01	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,202.01	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,073.08	
			For Steam Heating Coil, Aluminum Fins, Add	944.15	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	794.40	
			For Chilled Water Cooling Coil, Copper Fins, Add	1,459.87	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,330.94	
			For Hot Water Heating Coil, Copper Fins, Add	944.15	
			For Variable Air Volume, Add	361.00	
			For Economizer, Panel, Controls And Damper(s), Add	931.58	
			For 2 Coils, Independent Circuits, Add	351.08	
			For Coil Coating For Each Coil, Add	193.39	
23 73 13 00-0006	EA		1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,417.50	313.64
			For Flat Filter Box And Throwaway Filters, Add	319.37	
			For Medium Capacity Filter Box And Throwaway Filters, Add	625.32	
			For Combination Filter Mixing Box And Throwaway Filters, Add	935.74	
			For Manual Roll Filter, Add	1,678.23	
			For Automatic Roll Filter, Add	1,826.73	
			For Hot Water Heating Coil, Aluminum Fins, Add	787.24	
			For Electric Heating Coil, Add	1,381.24	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,381.24	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,232.74	
			For Steam Heating Coil, Aluminum Fins, Add	1,084.24	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	913.37	
			For Chilled Water Cooling Coil, Copper Fins, Add	1,678.23	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,529.73	
			For Hot Water Heating Coil, Copper Fins, Add	1,084.24	
			For Variable Air Volume, Add	415.79	
			For Economizer, Panel, Controls And Damper(s), Add	953.28	
			For 2 Coils, Independent Circuits, Add	401.15	
			For Coil Coating For Each Coil, Add	222.75	
23 73 13 00-0007	EA		1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,911.92	337.06
			For Flat Filter Box And Throwaway Filters, Add	367.12	
			For Medium Capacity Filter Box And Throwaway Filters, Add	719.79	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,077.28	
			For Manual Roll Filter, Add	1,934.88	
			For Automatic Roll Filter, Add	2,106.40	
			For Hot Water Heating Coil, Aluminum Fins, Add	905.76	
			For Electric Heating Coil, Add	1,591.84	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,591.84	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,420.32	
			For Steam Heating Coil, Aluminum Fins, Add	1,248.80	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,053.20	
			For Chilled Water Cooling Coil, Copper Fins, Add	1,934.88	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,763.36	
			For Hot Water Heating Coil, Copper Fins, Add	1,248.80	
			For Variable Air Volume, Add	480.26	
			For Economizer, Panel, Controls And Damper(s), Add	977.05	
			For 2 Coils, Independent Circuits, Add	459.80	
			For Coil Coating For Each Coil, Add	257.28	
23 73 13 00-0008	EA		1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,292.33	362.36
			For Flat Filter Box And Throwaway Filters, Add	403.40	
			For Medium Capacity Filter Box And Throwaway Filters, Add	791.31	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,184.39	
			For Manual Roll Filter, Add	2,128.33	
			For Automatic Roll Filter, Add	2,317.11	
			For Hot Water Heating Coil, Aluminum Fins, Add	995.60	
			For Electric Heating Coil, Add	1,750.75	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,750.75	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,561.96	
			For Steam Heating Coil, Aluminum Fins, Add	1,373.17	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,158.56	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,128.33	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,939.54	
			For Hot Water Heating Coil, Copper Fins, Add	1,373.17	
			For Variable Air Volume, Add	528.61	
			For Economizer, Panel, Controls And Damper(s), Add	1,001.60	
			For 2 Coils, Independent Circuits, Add	504.75	
			For Coil Coating For Each Coil, Add	283.18	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,701.89	390.52
			For Flat Filter Box And Throwaway Filters, Add	442.30	
			For Medium Capacity Filter Box And Throwaway Filters, Add	867.87	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,299.02	
			For Manual Roll Filter, Add	2,335.05	
			For Automatic Roll Filter, Add	2,542.25	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,091.81	
			For Electric Heating Coil, Add	1,920.63	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,920.63	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,713.43	
			For Steam Heating Coil, Aluminum Fins, Add	1,506.22	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,271.13	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,335.05	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,127.84	
			For Hot Water Heating Coil, Copper Fins, Add	1,506.22	
			For Variable Air Volume, Add	580.18	
			For Economizer, Panel, Controls And Damper(s), Add	1,056.77	
			For 2 Coils, Independent Circuits, Add	553.07	
			For Coil Coating For Each Coil, Add	310.81	
23 73	13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,156.68	418.68
			For Flat Filter Box And Throwaway Filters, Add	485.76	
			For Medium Capacity Filter Box And Throwaway Filters, Add	953.58	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,427.38	
			For Manual Roll Filter, Add	2,567.01	
			For Automatic Roll Filter, Add	2,794.94	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,199.45	
			For Electric Heating Coil, Add	2,111.16	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,111.16	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,883.23	
			For Steam Heating Coil, Aluminum Fins, Add	1,655.30	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,397.47	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,567.01	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,339.08	
			For Hot Water Heating Coil, Copper Fins, Add	1,655.30	
			For Variable Air Volume, Add	638.20	
			For Economizer, Panel, Controls And Damper(s), Add	1,078.98	
			For 2 Coils, Independent Circuits, Add	606.84	
			For Coil Coating For Each Coil, Add	341.89	
23 73	13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,569.81	450.03
			For Flat Filter Box And Throwaway Filters, Add	524.84	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,030.39	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,542.36	
			For Manual Roll Filter, Add	2,774.09	
			For Automatic Roll Filter, Add	3,020.44	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,296.02	
			For Electric Heating Coil, Add	2,281.40	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,281.40	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,035.05	
			For Steam Heating Coil, Aluminum Fins, Add	1,788.71	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,510.22	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,774.09	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,527.75	
			For Hot Water Heating Coil, Copper Fins, Add	1,788.71	
			For Variable Air Volume, Add	689.77	
			For Economizer, Panel, Controls And Damper(s), Add	1,103.60	
			For 2 Coils, Independent Circuits, Add	655.52	
			For Coil Coating For Each Coil, Add	369.52	
23 73	13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,009.99	484.24
			For Flat Filter Box And Throwaway Filters, Add	566.41	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,112.08	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,664.66	
			For Manual Roll Filter, Add	2,994.23	
			For Automatic Roll Filter, Add	3,260.15	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,398.74	
			For Electric Heating Coil, Add	2,462.40	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,462.40	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,196.49	
			For Steam Heating Coil, Aluminum Fins, Add	1,930.57	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,630.07	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,994.23	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,728.32	
			For Hot Water Heating Coil, Copper Fins, Add	1,930.57	
			For Variable Air Volume, Add	744.56	
			For Economizer, Panel, Controls And Damper(s), Add	1,130.43	
			For 2 Coils, Independent Circuits, Add	707.37	
			For Coil Coating For Each Coil, Add	398.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0013	EA		3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	6,993.88	560.52
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	659.35	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,294.68	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,938.02	
			<i>For Manual Roll Filter, Add</i>	3,486.31	
			<i>For Automatic Roll Filter, Add</i>	3,795.97	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,628.36	
			<i>For Electric Heating Coil, Add</i>	2,867.00	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,867.00	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,557.34	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,247.68	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,897.99	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,486.31	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,176.66	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,247.68	
			<i>For Variable Air Volume, Add</i>	867.04	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,190.39	
			<i>For 2 Coils, Independent Circuits, Add</i>	823.25	
			<i>For Coil Coating For Each Coil, Add</i>	464.49	
23 73 13 00-0014	EA		3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	7,307.17	602.36
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	687.68	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,349.54	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,020.00	
			<i>For Manual Roll Filter, Add</i>	3,631.61	
			<i>For Automatic Roll Filter, Add</i>	3,953.93	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,697.68	
			<i>For Electric Heating Coil, Add</i>	2,986.96	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,986.96	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,664.64	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,342.32	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,976.96	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,631.61	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,309.29	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,342.32	
			<i>For Variable Air Volume, Add</i>	902.50	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,223.41	
			<i>For 2 Coils, Independent Circuits, Add</i>	859.65	
			<i>For Coil Coating For Each Coil, Add</i>	483.48	
23 73 13 00-0015	EA		3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	7,624.48	647.36
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	716.21	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,404.67	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,102.38	
			<i>For Manual Roll Filter, Add</i>	3,777.30	
			<i>For Automatic Roll Filter, Add</i>	4,112.29	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,767.40	
			<i>For Electric Heating Coil, Add</i>	3,107.34	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,107.34	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,772.35	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,437.37	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,056.14	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,777.30	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,442.32	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,437.37	
			<i>For Variable Air Volume, Add</i>	937.96	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,258.64	
			<i>For 2 Coils, Independent Circuits, Add</i>	896.44	
			<i>For Coil Coating For Each Coil, Add</i>	502.48	
23 73 13 00-0016	EA		4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	8,320.23	747.36
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	778.62	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,525.21	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,282.47	
			<i>For Manual Roll Filter, Add</i>	4,095.53	
			<i>For Automatic Roll Filter, Add</i>	4,458.14	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,919.86	
			<i>For Electric Heating Coil, Add</i>	3,370.30	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,370.30	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,007.69	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,645.08	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,229.07	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,095.53	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,732.92	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,645.08	
			<i>For Variable Air Volume, Add</i>	1,015.31	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,367.20	
			<i>For 2 Coils, Independent Circuits, Add</i>	977.07	
			<i>For Coil Coating For Each Coil, Add</i>	543.92	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,320.23	747.36
		For Flat Filter Box And Throwaway Filters, Add	778.62	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,525.21	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,282.47	
		For Manual Roll Filter, Add	4,095.53	
		For Automatic Roll Filter, Add	4,458.14	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,919.86	
		For Electric Heating Coil, Add	3,370.30	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,370.30	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,007.69	
		For Steam Heating Coil, Aluminum Fins, Add	2,645.08	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,229.07	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,095.53	
		For Direct Expansion Cooling Coil, Copper Fins, Add	3,732.92	
		For Hot Water Heating Coil, Copper Fins, Add	2,645.08	
		For Variable Air Volume, Add	1,015.31	
		For Economizer, Panel, Controls And Damper(s), Add	1,367.20	
		For 2 Coils, Independent Circuits, Add	977.07	
		For Coil Coating For Each Coil, Add	543.92	
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,077.36	858.41
		For Flat Filter Box And Throwaway Filters, Add	846.41	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,656.02	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,477.90	
		For Manual Roll Filter, Add	4,440.61	
		For Automatic Roll Filter, Add	4,833.15	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,085.36	
		For Electric Heating Coil, Add	3,655.52	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,655.52	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,262.98	
		For Steam Heating Coil, Aluminum Fins, Add	2,870.44	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,416.57	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,440.61	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,048.06	
		For Hot Water Heating Coil, Copper Fins, Add	2,870.44	
		For Variable Air Volume, Add	1,099.11	
		For Economizer, Panel, Controls And Damper(s), Add	1,430.62	
		For 2 Coils, Independent Circuits, Add	1,064.75	
		For Coil Coating For Each Coil, Add	588.81	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,503.88	931.31
		For Flat Filter Box And Throwaway Filters, Add	883.85	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,727.78	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,585.02	
		For Manual Roll Filter, Add	4,628.30	
		For Automatic Roll Filter, Add	5,036.96	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,176.36	
		For Electric Heating Coil, Add	3,810.99	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,810.99	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,402.33	
		For Steam Heating Coil, Aluminum Fins, Add	2,993.67	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,518.48	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,628.30	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,219.64	
		For Hot Water Heating Coil, Copper Fins, Add	2,993.67	
		For Variable Air Volume, Add	1,144.24	
		For Economizer, Panel, Controls And Damper(s), Add	1,472.30	
		For 2 Coils, Independent Circuits, Add	1,113.85	
		For Coil Coating For Each Coil, Add	612.99	
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,924.87	1,000.52
		For Flat Filter Box And Throwaway Filters, Add	921.02	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,799.15	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,691.58	
		For Manual Roll Filter, Add	4,815.44	
		For Automatic Roll Filter, Add	5,240.22	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,266.81	
		For Electric Heating Coil, Add	3,965.90	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,965.90	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,541.13	
		For Steam Heating Coil, Aluminum Fins, Add	3,116.35	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,620.11	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,815.44	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,390.67	
		For Hot Water Heating Coil, Copper Fins, Add	3,116.35	
		For Variable Air Volume, Add	1,189.36	
		For Economizer, Panel, Controls And Damper(s), Add	1,511.76	
		For 2 Coils, Independent Circuits, Add	1,162.40	
		For Coil Coating For Each Coil, Add	637.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0021	EA		6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	10,347.53	1,071.04
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	958.27	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,870.64	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,798.31	
			<i>For Manual Roll Filter, Add</i>	5,002.76	
			<i>For Automatic Roll Filter, Add</i>	5,443.65	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,357.42	
			<i>For Electric Heating Coil, Add</i>	4,120.98	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,120.98	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,680.09	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,239.20	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,721.82	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	5,002.76	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,561.87	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,239.20	
			<i>For Variable Air Volume, Add</i>	1,234.49	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,551.90	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,211.11	
			<i>For Coil Coating For Each Coil, Add</i>	661.33	
23 73 13 00-0022	EA		7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	10,833.18	1,152.87
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,000.97	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,952.52	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,920.55	
			<i>For Manual Roll Filter, Add</i>	5,217.09	
			<i>For Automatic Roll Filter, Add</i>	5,676.39	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,461.24	
			<i>For Electric Heating Coil, Add</i>	4,298.47	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,298.47	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,839.16	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,379.86	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,838.20	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	5,217.09	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,757.78	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,379.86	
			<i>For Variable Air Volume, Add</i>	1,286.06	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,598.81	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,267.04	
			<i>For Coil Coating For Each Coil, Add</i>	688.96	
23 73 13 00-0023	EA		7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	11,323.63	1,235.25
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,043.91	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,034.74	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	3,043.27	
			<i>For Manual Roll Filter, Add</i>	5,431.90	
			<i>For Automatic Roll Filter, Add</i>	5,909.62	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,565.54	
			<i>For Electric Heating Coil, Add</i>	4,476.45	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,476.45	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,998.72	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,520.99	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,954.81	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	5,431.90	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,954.17	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,520.99	
			<i>For Variable Air Volume, Add</i>	1,337.63	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,710.73	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,323.45	
			<i>For Coil Coating For Each Coil, Add</i>	716.59	
23 73 13 00-0024	EA		8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	11,823.95	1,330.21
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,087.34	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	2,117.65	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	3,166.97	
			<i>For Manual Roll Filter, Add</i>	5,647.70	
			<i>For Automatic Roll Filter, Add</i>	6,143.84	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,670.83	
			<i>For Electric Heating Coil, Add</i>	4,655.41	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,655.41	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	4,159.26	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,663.12	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,071.92	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	5,647.70	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	5,151.55	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,663.12	
			<i>For Variable Air Volume, Add</i>	1,389.20	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,750.32	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,380.85	
			<i>For Coil Coating For Each Coil, Add</i>	744.22	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,391.59	1,441.03
			For Flat Filter Box And Throwaway Filters, Add	1,136.44	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,211.26	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,306.62	
			For Manual Roll Filter, Add	5,890.94	
			For Automatic Roll Filter, Add	6,407.81	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,789.75	
			For Electric Heating Coil, Add	4,857.21	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,857.21	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,340.35	
			For Steam Heating Coil, Aluminum Fins, Add	3,823.48	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,203.90	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,890.94	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,374.08	
			For Hot Water Heating Coil, Copper Fins, Add	3,823.48	
			For Variable Air Volume, Add	1,447.22	
			For Economizer, Panel, Controls And Damper(s), Add	1,796.29	
			For 2 Coils, Independent Circuits, Add	1,445.91	
			For Coil Coating For Each Coil, Add	775.30	
23 73	13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,950.16	1,538.55
			For Flat Filter Box And Throwaway Filters, Add	1,185.09	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,304.23	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,445.36	
			For Manual Roll Filter, Add	6,133.29	
			For Automatic Roll Filter, Add	6,670.87	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,907.77	
			For Electric Heating Coil, Add	5,058.11	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,058.11	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,520.53	
			For Steam Heating Coil, Aluminum Fins, Add	3,982.94	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,335.44	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,133.29	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,595.70	
			For Hot Water Heating Coil, Copper Fins, Add	3,982.94	
			For Variable Air Volume, Add	1,505.24	
			For Economizer, Panel, Controls And Damper(s), Add	1,839.54	
			For 2 Coils, Independent Circuits, Add	1,510.05	
			For Coil Coating For Each Coil, Add	806.38	
23 73	13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,079.85	1,489.71
			For Flat Filter Box And Throwaway Filters, Add	1,201.94	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,340.25	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,499.77	
			For Manual Roll Filter, Add	6,239.50	
			For Automatic Roll Filter, Add	6,787.45	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,951.82	
			For Electric Heating Coil, Add	5,143.61	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,143.61	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,595.66	
			For Steam Heating Coil, Aluminum Fins, Add	4,047.72	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,393.72	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,239.50	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,691.55	
			For Hot Water Heating Coil, Copper Fins, Add	4,047.72	
			For Variable Air Volume, Add	1,534.25	
			For Economizer, Panel, Controls And Damper(s), Add	1,816.28	
			For 2 Coils, Independent Circuits, Add	1,527.16	
			For Coil Coating For Each Coil, Add	821.92	
23 73	13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,526.79	1,652.79
			For Flat Filter Box And Throwaway Filters, Add	1,234.65	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,398.47	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,585.91	
			For Manual Roll Filter, Add	6,377.44	
			For Automatic Roll Filter, Add	6,935.74	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,027.60	
			For Electric Heating Coil, Add	5,260.82	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,260.82	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,702.52	
			For Steam Heating Coil, Aluminum Fins, Add	4,144.21	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,467.87	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,377.44	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,819.13	
			For Hot Water Heating Coil, Copper Fins, Add	4,144.21	
			For Variable Air Volume, Add	1,563.26	
			For Economizer, Panel, Controls And Damper(s), Add	1,888.20	
			For 2 Coils, Independent Circuits, Add	1,576.00	
			For Coil Coating For Each Coil, Add	837.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0029	EA		13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	14,278.90 1,305.63 2,537.92 3,794.65 6,753.10 7,344.79 3,202.96 5,569.72 5,569.72 4,978.03 4,386.34 3,672.39 6,753.10 6,161.41 4,386.34 1,656.73 1,889.02 1,664.57 887.53	1,719.18
23 73 13 00-0030	EA		15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	15,054.50 1,377.80 2,679.00 4,005.74 7,131.11 7,756.18 3,380.67 5,880.96 5,880.96 5,255.89 4,630.82 3,878.09 7,131.11 6,506.03 4,630.82 1,750.20 1,910.61 1,755.48 937.61	1,785.76
23 73 13 00-0031	EA		16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	15,900.38 1,458.08 2,836.98 4,242.28 7,557.58 8,220.64 3,579.22 6,231.46 6,231.46 5,568.40 4,905.34 4,110.32 7,557.58 6,894.52 4,905.34 1,856.57 1,927.83 1,855.26 994.59	1,854.45
23 73 13 00-0032	EA		17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	16,767.24 1,539.41 2,996.43 4,480.92 7,986.16 8,687.21 3,779.87 6,584.06 6,584.06 5,883.02 5,181.97 4,343.60 7,986.16 7,285.11 5,181.97 1,962.94 1,949.25 1,957.14 1,051.57	1,923.20

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,787.00	2,061.81
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,731.34	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	3,374.26	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	5,838.65	
		<i>For Manual Roll Filter, Add</i>	8,531.41	
		<i>For Automatic Roll Filter, Add</i>	9,006.60	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,462.68	
		<i>For Electric Heating Coil, Add</i>	3,779.47	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	6,630.63	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	5,838.65	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	5,046.66	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	4,107.31	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	8,214.61	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	7,422.62	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	5,838.65	
		<i>For Variable Air Volume, Add</i>	2,217.57	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,250.76	
		<i>For 2 Coils, Independent Circuits, Add</i>	2,195.50	
		<i>For Coil Coating For Each Coil, Add</i>	1,187.98	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,913.54	2,222.07
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,932.06	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	3,768.54	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	6,523.27	
		<i>For Manual Roll Filter, Add</i>	9,536.97	
		<i>For Automatic Roll Filter, Add</i>	10,068.80	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,864.12	
		<i>For Electric Heating Coil, Add</i>	4,218.67	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	7,409.65	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	6,523.27	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	5,636.89	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	4,591.21	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	9,182.42	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	8,296.04	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	6,523.27	
		<i>For Variable Air Volume, Add</i>	2,481.87	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,292.53	
		<i>For 2 Coils, Independent Circuits, Add</i>	2,445.91	
		<i>For Coil Coating For Each Coil, Add</i>	1,329.57	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,272.63	2,380.90
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,157.07	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	4,212.03	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	7,294.46	
		<i>For Manual Roll Filter, Add</i>	10,672.16	
		<i>For Automatic Roll Filter, Add</i>	11,268.22	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	4,314.14	
		<i>For Electric Heating Coil, Add</i>	4,711.52	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	8,287.90	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	7,294.46	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	6,301.02	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	5,137.39	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	10,274.78	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	9,281.34	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	7,294.46	
		<i>For Variable Air Volume, Add</i>	2,781.63	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,330.67	
		<i>For 2 Coils, Independent Circuits, Add</i>	2,724.64	
		<i>For Coil Coating For Each Coil, Add</i>	1,490.16	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	29,079.02	2,564.18
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,724.82	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	5,339.78	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	9,262.23	
		<i>For Manual Roll Filter, Add</i>	13,583.18	
		<i>For Automatic Roll Filter, Add</i>	14,345.70	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	5,449.63	
		<i>For Electric Heating Coil, Add</i>	5,957.98	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	10,533.10	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	9,262.23	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	7,991.37	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	6,537.42	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	13,074.83	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	11,803.96	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	9,262.23	
		<i>For Variable Air Volume, Add</i>	3,558.42	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,375.80	
		<i>For 2 Coils, Independent Circuits, Add</i>	3,416.25	
		<i>For Coil Coating For Each Coil, Add</i>	1,906.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0037	EA		30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	32,639.56 3,068.61 6,020.01 10,447.11 15,331.66 16,193.64 6,137.22 6,711.87 11,883.75 10,447.11 9,010.48 7,378.50 14,757.01 13,320.38 10,447.11 4,022.57 2,351.04 3,838.61 2,154.95	2,736.87
23 73 13 00-0038	EA		32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	35,818.70 3,371.46 6,616.67 11,484.49 16,858.28 17,806.59 6,742.92 7,375.13 13,065.02 11,484.49 9,903.97 8,113.03 16,226.07 14,645.54 11,484.49 4,425.47 2,396.23 4,214.08 2,370.79	2,947.21
23 73 13 00-0039	EA		35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	39,336.83 3,705.07 7,272.98 12,624.84 18,534.83 19,577.77 7,410.15 8,105.44 14,363.08 12,624.84 10,886.61 8,919.77 17,839.54 16,101.31 12,624.84 4,867.05 2,450.83 4,628.98 2,607.35	4,310.12
23 73 13 00-0040	EA		37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	42,397.71 3,997.41 7,849.39 13,627.37 20,010.94 21,137.46 7,994.81 8,745.82 15,504.89 13,627.37 11,749.85 9,629.97 19,259.94 17,382.41 13,627.37 5,257.06 2,492.10 4,990.78 2,816.28	3,394.72

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i> <i>For Coil Coating For Each Coil, Add</i>	45,748.66	3,631.52
23 73	13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i> <i>For Coil Coating For Each Coil, Add</i>	49,391.32	3,921.03
23 73	13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i> <i>For Coil Coating For Each Coil, Add</i>	51,439.05	4,105.20
23 73	13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i> <i>For Coil Coating For Each Coil, Add</i>	53,374.41	4,263.09



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0045	EA		55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	57,594.46 5,434.12 10,673.04 18,531.42 27,216.36 28,749.00 10,868.24 11,889.99 21,085.82 18,531.42 15,977.03 13,097.30 26,194.61 23,640.21 18,531.42 7,152.31 2,643.32 6,781.20 3,831.59	4,552.56
23 73 13 00-0046	EA		60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	63,137.71 5,965.68 11,722.52 20,357.76 29,907.68 31,592.96 11,931.37 13,054.89 23,166.56 20,357.76 17,548.97 14,392.08 28,784.16 25,975.36 20,357.76 7,864.64 2,596.17 7,437.29 4,213.20	4,868.35
23 73 13 00-0047	EA		65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	69,312.25 6,555.29 12,885.02 22,379.62 32,884.52 34,738.33 13,110.58 14,346.45 25,469.30 22,379.62 19,289.94 15,824.33 31,648.65 28,558.97 22,379.62 8,651.10 2,651.87 8,167.10 4,634.52	5,263.08
23 73 13 00-0048	EA		70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	76,159.21 7,207.30 14,169.42 24,612.61 36,170.35 38,209.95 14,414.60 15,774.33 28,011.94 24,612.61 21,213.27 17,405.31 34,810.62 31,411.28 24,612.61 9,518.14 2,717.25 8,975.66 5,099.01	5,710.44

23 73 13 00-0049

Multi-Zone Units (23 73 13)

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	4,360.12	473.60
		For Economizer, Panel, Controls And Damper(s), Add	1,113.52	
		For Flat Filter Box And Throwaway Filters, Add	402.19	
		For Medium Capacity Filter Box And Throwaway Filters, Add	784.09	
		For Combination Filter Mixing Box And Throwaway Filters, Add	988.56	
		For Manual Roll Filter, Add	2,093.66	
		For Automatic Roll Filter, Add	2,093.66	
		For Hot Water Heating Coil, Aluminum Fins, Add	436.01	
		For Electric Heating Coil, Add	509.69	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	1,725.30	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,725.30	
		For Chilled Water Cooling Coil, Copper Fins, Add	2,093.66	
		For Direct Expansion Cooling Coil, Copper Fins, Add	2,093.66	
		For 2 Coils, Independent Circuits, Add	509.69	
		For Coil Coating For Each Coil, Add	276.28	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	5,429.22	593.34
		For Economizer, Panel, Controls And Damper(s), Add	1,233.36	
		For Flat Filter Box And Throwaway Filters, Add	500.54	
		For Medium Capacity Filter Box And Throwaway Filters, Add	975.65	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,230.16	
		For Manual Roll Filter, Add	2,604.62	
		For Automatic Roll Filter, Add	2,604.62	
		For Hot Water Heating Coil, Aluminum Fins, Add	542.92	
		For Electric Heating Coil, Add	634.55	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	2,146.47	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,146.47	
		For Chilled Water Cooling Coil, Copper Fins, Add	2,604.62	
		For Direct Expansion Cooling Coil, Copper Fins, Add	2,604.62	
		For 2 Coils, Independent Circuits, Add	634.55	
		For Coil Coating For Each Coil, Add	343.62	
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	6,841.99	631.49
		For Economizer, Panel, Controls And Damper(s), Add	1,271.45	
		For Flat Filter Box And Throwaway Filters, Add	639.10	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,251.13	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,575.19	
		For Manual Roll Filter, Add	3,357.16	
		For Automatic Roll Filter, Add	3,357.16	
		For Hot Water Heating Coil, Aluminum Fins, Add	684.20	
		For Electric Heating Coil, Add	803.00	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	2,763.17	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,763.17	
		For Chilled Water Cooling Coil, Copper Fins, Add	3,357.16	
		For Direct Expansion Cooling Coil, Copper Fins, Add	3,357.16	
		For 2 Coils, Independent Circuits, Add	803.00	
		For Coil Coating For Each Coil, Add	445.49	
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	7,089.89	676.23
		For Economizer, Panel, Controls And Damper(s), Add	1,316.05	
		For Flat Filter Box And Throwaway Filters, Add	660.70	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,292.43	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,627.60	
		For Manual Roll Filter, Add	3,464.83	
		For Automatic Roll Filter, Add	3,464.83	
		For Hot Water Heating Coil, Aluminum Fins, Add	708.99	
		For Electric Heating Coil, Add	831.47	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	2,852.42	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,852.42	
		For Chilled Water Cooling Coil, Copper Fins, Add	3,464.83	
		For Direct Expansion Cooling Coil, Copper Fins, Add	3,464.83	
		For 2 Coils, Independent Circuits, Add	831.47	
		For Coil Coating For Each Coil, Add	459.31	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,379.95	724.91
		For Economizer, Panel, Controls And Damper(s), Add	1,364.94	
		For Flat Filter Box And Throwaway Filters, Add	786.21	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,541.36	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,939.64	
		For Manual Roll Filter, Add	4,142.94	
		For Automatic Roll Filter, Add	4,142.94	
		For Hot Water Heating Coil, Aluminum Fins, Add	838.00	
		For Electric Heating Coil, Add	984.88	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,408.51	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,408.51	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,142.94	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,142.94	
		For 2 Coils, Independent Circuits, Add	984.88	
		For Coil Coating For Each Coil, Add	550.82	
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,821.64	776.30
		For Economizer, Panel, Controls And Damper(s), Add	1,416.27	
		For Flat Filter Box And Throwaway Filters, Add	826.72	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,620.16	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,039.07	
		For Manual Roll Filter, Add	4,352.87	
		For Automatic Roll Filter, Add	4,352.87	
		For Hot Water Heating Coil, Aluminum Fins, Add	882.16	
		For Electric Heating Coil, Add	1,036.42	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,581.60	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,581.60	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,352.87	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,352.87	
		For 2 Coils, Independent Circuits, Add	1,036.42	
		For Coil Coating For Each Coil, Add	578.45	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0056	EA		3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	9,288.12 1,468.84 869.61 1,703.70 2,144.42 4,575.64 4,575.64 928.81 1,090.89 3,765.24 3,765.24 4,575.64 4,575.64 1,090.89 607.81	828.90
23 73 13 00-0057	EA		4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	10,408.02 1,447.35 977.41 1,916.78 2,411.82 5,153.85 5,153.85 1,040.80 1,223.60 4,239.84 4,239.84 5,153.85 5,153.85 1,223.60 685.51	889.46
23 73 13 00-0058	EA		4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	11,398.85 1,498.47 1,071.84 2,102.86 2,645.59 5,656.99 5,656.99 1,139.89 1,340.65 4,653.19 4,653.19 5,656.99 5,656.99 1,340.65 752.85	952.54
23 73 13 00-0059	EA		5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	12,040.63 1,547.54 1,131.56 2,219.62 2,792.65 5,969.81 5,969.81 1,204.06 1,415.87 4,910.76 4,910.76 5,969.81 5,969.81 1,415.87 794.29	1,017.35
23 73 13 00-0060	EA		5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	13,318.17 1,604.40 1,254.14 2,461.69 3,096.53 6,625.94 6,625.94 1,331.82 1,567.11 5,449.47 5,449.47 6,625.94 6,625.94 1,567.11 882.35	1,086.90
23 73 13 00-0061	EA		6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add For Coil Coating For Each Coil, Add	14,163.05 1,663.87 1,333.23 2,616.60 3,291.52 7,041.96 7,041.96 1,416.31 1,666.33 5,791.82 5,791.82 6,625.94 6,625.94 1,666.33 937.61	1,163.22

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,547.73	1,263.14
		For Economizer, Panel, Controls And Damper(s), Add	1,741.67	
		For Flat Filter Box And Throwaway Filters, Add	1,464.62	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,875.15	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,616.48	
		For Manual Roll Filter, Add	7,739.88	
		For Automatic Roll Filter, Add	7,739.88	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,554.77	
		For Electric Heating Coil, Add	1,829.67	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,365.41	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,365.41	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,739.88	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,739.88	
		For 2 Coils, Independent Circuits, Add	1,829.67	
		For Coil Coating For Each Coil, Add	1,030.85	
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,700.51	1,360.55
		For Economizer, Panel, Controls And Damper(s), Add	1,818.55	
		For Flat Filter Box And Throwaway Filters, Add	1,572.91	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,087.54	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,883.71	
		For Manual Roll Filter, Add	8,311.02	
		For Automatic Roll Filter, Add	8,311.02	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,670.05	
		For Electric Heating Coil, Add	1,965.21	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,835.25	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,835.25	
		For Chilled Water Cooling Coil, Copper Fins, Add	8,311.02	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,311.02	
		For 2 Coils, Independent Circuits, Add	1,965.21	
		For Coil Coating For Each Coil, Add	1,106.83	
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,476.58	1,471.03
		For Economizer, Panel, Controls And Damper(s), Add	1,778.90	
		For Flat Filter Box And Throwaway Filters, Add	1,642.80	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,222.67	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,054.56	
		For Manual Roll Filter, Add	8,668.35	
		For Automatic Roll Filter, Add	8,668.35	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,747.66	
		For Electric Heating Coil, Add	2,055.24	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,130.42	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,130.42	
		For Chilled Water Cooling Coil, Copper Fins, Add	8,668.35	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,668.35	
		For 2 Coils, Independent Circuits, Add	2,055.24	
		For Coil Coating For Each Coil, Add	1,153.45	
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,443.19	1,586.74
		For Economizer, Panel, Controls And Damper(s), Add	1,847.23	
		For Flat Filter Box And Throwaway Filters, Add	1,830.92	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,593.79	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,520.59	
		For Manual Roll Filter, Add	9,673.12	
		For Automatic Roll Filter, Add	9,673.12	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,944.32	
		For Electric Heating Coil, Add	2,287.82	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,955.61	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,955.61	
		For Chilled Water Cooling Coil, Copper Fins, Add	9,673.12	
		For Direct Expansion Cooling Coil, Copper Fins, Add	9,673.12	
		For 2 Coils, Independent Circuits, Add	2,287.82	
		For Coil Coating For Each Coil, Add	1,288.13	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	20,426.03	1,710.42
		For Economizer, Panel, Controls And Damper(s), Add	1,918.04	
		For Flat Filter Box And Throwaway Filters, Add	1,920.35	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,767.34	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,739.74	
		For Manual Roll Filter, Add	10,134.02	
		For Automatic Roll Filter, Add	10,134.02	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,042.60	
		For Electric Heating Coil, Add	2,402.22	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,335.93	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,335.93	
		For Chilled Water Cooling Coil, Copper Fins, Add	10,134.02	
		For Direct Expansion Cooling Coil, Copper Fins, Add	10,134.02	
		For 2 Coils, Independent Circuits, Add	2,402.22	
		For Coil Coating For Each Coil, Add	1,348.57	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,516.95	1,852.60
		For Economizer, Panel, Controls And Damper(s), Add	1,995.26	
		For Flat Filter Box And Throwaway Filters, Add	2,019.79	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,960.43	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,983.52	
		For Manual Roll Filter, Add	10,647.16	
		For Automatic Roll Filter, Add	10,647.16	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,151.70	
		For Electric Heating Coil, Add	2,529.27	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,759.28	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,759.28	
		For Chilled Water Cooling Coil, Copper Fins, Add	10,647.16	
		For Direct Expansion Cooling Coil, Copper Fins, Add	10,647.16	
		For 2 Coils, Independent Circuits, Add	2,529.27	
		For Coil Coating For Each Coil, Add	1,415.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0068 EA 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,681.56	1,999.86
For Economizer, Panel, Controls And Damper(s), Add	2,037.64	
For Flat Filter Box And Throwaway Filters, Add	2,125.22	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,164.67	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,241.57	
For Manual Roll Filter, Add	11,188.39	
For Automatic Roll Filter, Add	11,188.39	
For Hot Water Heating Coil, Aluminum Fins, Add	2,268.16	
For Electric Heating Coil, Add	2,664.61	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,206.12	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,206.12	
For Chilled Water Cooling Coil, Copper Fins, Add	11,188.39	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,188.39	
For 2 Coils, Independent Circuits, Add	2,664.61	
For Coil Coating For Each Coil, Add	1,486.71	
23 73 13 00-0069 EA 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,290.86	2,076.28
For Economizer, Panel, Controls And Damper(s), Add	2,071.94	
For Flat Filter Box And Throwaway Filters, Add	2,180.43	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,271.67	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,376.75	
For Manual Roll Filter, Add	11,472.07	
For Automatic Roll Filter, Add	11,472.07	
For Hot Water Heating Coil, Aluminum Fins, Add	2,329.09	
For Electric Heating Coil, Add	2,735.44	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,440.30	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,440.30	
For Chilled Water Cooling Coil, Copper Fins, Add	11,472.07	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,472.07	
For 2 Coils, Independent Circuits, Add	2,735.44	
For Coil Coating For Each Coil, Add	1,523.83	
23 73 13 00-0070 EA 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,882.99	2,150.38
For Economizer, Panel, Controls And Damper(s), Add	2,101.08	
For Flat Filter Box And Throwaway Filters, Add	2,234.79	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,377.47	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,510.21	
For Manual Roll Filter, Add	11,754.03	
For Automatic Roll Filter, Add	11,754.03	
For Hot Water Heating Coil, Aluminum Fins, Add	2,388.30	
For Electric Heating Coil, Add	2,804.55	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,672.76	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,672.76	
For Chilled Water Cooling Coil, Copper Fins, Add	11,754.03	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,754.03	
For 2 Coils, Independent Circuits, Add	2,804.55	
For Coil Coating For Each Coil, Add	1,560.96	
23 73 13 00-0071 EA 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,239.94	2,236.81
For Economizer, Panel, Controls And Damper(s), Add	2,040.80	
For Flat Filter Box And Throwaway Filters, Add	2,563.79	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,031.47	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,329.39	
For Manual Roll Filter, Add	13,540.17	
For Automatic Roll Filter, Add	13,540.17	
For Hot Water Heating Coil, Aluminum Fins, Add	2,723.99	
For Electric Heating Coil, Add	3,204.71	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,136.58	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,136.58	
For Chilled Water Cooling Coil, Copper Fins, Add	13,540.17	
For Direct Expansion Cooling Coil, Copper Fins, Add	13,540.17	
For 2 Coils, Independent Circuits, Add	3,204.71	
For Coil Coating For Each Coil, Add	1,802.70	
23 73 13 00-0072 EA 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	30,582.74	2,325.41
For Economizer, Panel, Controls And Damper(s), Add	2,316.63	
For Flat Filter Box And Throwaway Filters, Add	2,892.10	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,684.48	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,147.15	
For Manual Roll Filter, Add	15,324.90	
For Automatic Roll Filter, Add	15,324.90	
For Hot Water Heating Coil, Aluminum Fins, Add	3,058.27	
For Electric Heating Coil, Add	3,603.46	
For Chilled Water Cooling Coil, Aluminum Fins, Add	12,598.98	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,598.98	
For Chilled Water Cooling Coil, Copper Fins, Add	15,324.90	
For Direct Expansion Cooling Coil, Copper Fins, Add	15,324.90	
For 2 Coils, Independent Circuits, Add	3,603.46	
For Coil Coating For Each Coil, Add	2,044.44	
23 73 13 00-0073 EA 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	35,504.87	2,413.12
For Economizer, Panel, Controls And Damper(s), Add	2,337.95	
For Flat Filter Box And Throwaway Filters, Add	3,378.22	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,653.07	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,359.40	
For Manual Roll Filter, Add	17,977.24	
For Automatic Roll Filter, Add	17,977.24	
For Hot Water Heating Coil, Aluminum Fins, Add	3,550.49	
For Electric Heating Coil, Add	4,191.68	
For Chilled Water Cooling Coil, Aluminum Fins, Add	14,771.29	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,771.29	
For Chilled Water Cooling Coil, Copper Fins, Add	17,977.24	
For Direct Expansion Cooling Coil, Copper Fins, Add	17,977.24	
For 2 Coils, Independent Circuits, Add	4,191.68	
For Coil Coating For Each Coil, Add	2,404.46	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0074	EA		17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,428.72	2,499.96
			For Economizer, Panel, Controls And Damper(s), Add	2,359.58	
			For Flat Filter Box And Throwaway Filters, Add	3,864.42	
			For Medium Capacity Filter Box And Throwaway Filters, Add	7,621.77	
			For Combination Filter Mixing Box And Throwaway Filters, Add	9,571.83	
			For Manual Roll Filter, Add	20,629.75	
			For Automatic Roll Filter, Add	20,629.75	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,042.87	
			For Electric Heating Coil, Add	4,780.07	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	16,943.77	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,943.77	
			For Chilled Water Cooling Coil, Copper Fins, Add	20,629.75	
			For Direct Expansion Cooling Coil, Copper Fins, Add	20,629.75	
			For 2 Coils, Independent Circuits, Add	4,780.07	
			For Coil Coating For Each Coil, Add	2,764.48	
23 73 13 00-0075	EA		20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	45,519.68	2,710.48
			For Economizer, Panel, Controls And Damper(s), Add	2,412.46	
			For Flat Filter Box And Throwaway Filters, Add	4,358.41	
			For Medium Capacity Filter Box And Throwaway Filters, Add	6,518.26	
			For Combination Filter Mixing Box And Throwaway Filters, Add	10,799.24	
			For Manual Roll Filter, Add	17,046.52	
			For Automatic Roll Filter, Add	21,211.37	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,551.97	
			For Electric Heating Coil, Add	5,384.94	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	17,046.52	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	17,046.52	
			For Steam Heating Coil, Aluminum Fins, Add	8,716.82	
			For Chilled Water Cooling Coil, Copper Fins, Add	21,211.37	
			For Direct Expansion Cooling Coil, Copper Fins, Add	21,211.37	
			For 2 Coils, Independent Circuits, Add	5,384.94	
			For Coil Coating For Each Coil, Add	3,123.64	
23 73 13 00-0076	EA		22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	49,082.11	2,947.32
			For Economizer, Panel, Controls And Damper(s), Add	2,393.11	
			For Flat Filter Box And Throwaway Filters, Add	4,698.84	
			For Medium Capacity Filter Box And Throwaway Filters, Add	7,027.33	
			For Combination Filter Mixing Box And Throwaway Filters, Add	11,642.42	
			For Manual Roll Filter, Add	18,376.63	
			For Automatic Roll Filter, Add	22,866.10	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,908.21	
			For Electric Heating Coil, Add	5,806.11	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	18,376.63	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,376.63	
			For Steam Heating Coil, Aluminum Fins, Add	9,397.68	
			For Chilled Water Cooling Coil, Copper Fins, Add	22,866.10	
			For Direct Expansion Cooling Coil, Copper Fins, Add	22,866.10	
			For 2 Coils, Independent Circuits, Add	5,806.11	
			For Coil Coating For Each Coil, Add	3,367.10	
23 73 13 00-0077	EA		25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	58,973.83	3,184.05
			For Economizer, Panel, Controls And Damper(s), Add	2,447.14	
			For Flat Filter Box And Throwaway Filters, Add	5,670.00	
			For Medium Capacity Filter Box And Throwaway Filters, Add	8,482.27	
			For Combination Filter Mixing Box And Throwaway Filters, Add	14,061.32	
			For Manual Roll Filter, Add	22,225.25	
			For Automatic Roll Filter, Add	27,667.88	
			For Hot Water Heating Coil, Aluminum Fins, Add	5,897.38	
			For Electric Heating Coil, Add	6,985.91	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	22,225.25	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	22,225.25	
			For Steam Heating Coil, Aluminum Fins, Add	11,340.01	
			For Chilled Water Cooling Coil, Copper Fins, Add	27,667.88	
			For Direct Expansion Cooling Coil, Copper Fins, Add	27,667.88	
			For 2 Coils, Independent Circuits, Add	6,985.91	
			For Coil Coating For Each Coil, Add	4,081.97	
23 73 13 00-0078	EA		27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	66,872.47	3,447.32
			For Economizer, Panel, Controls And Damper(s), Add	2,502.66	
			For Flat Filter Box And Throwaway Filters, Add	6,441.36	
			For Medium Capacity Filter Box And Throwaway Filters, Add	9,637.45	
			For Combination Filter Mixing Box And Throwaway Filters, Add	15,980.46	
			For Manual Roll Filter, Add	25,273.67	
			For Automatic Roll Filter, Add	31,469.14	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,687.25	
			For Electric Heating Coil, Add	7,926.34	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	25,273.67	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	25,273.67	
			For Steam Heating Coil, Aluminum Fins, Add	12,882.72	
			For Chilled Water Cooling Coil, Copper Fins, Add	31,469.14	
			For Direct Expansion Cooling Coil, Copper Fins, Add	31,469.14	
			For 2 Coils, Independent Circuits, Add	7,926.34	
			For Coil Coating For Each Coil, Add	4,646.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0079 EA 30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	72,507.12	3,710.58
For Economizer, Panel, Controls And Damper(s), Add	2,560.47	
For Flat Filter Box And Throwaway Filters, Add	6,985.55	
For Medium Capacity Filter Box And Throwaway Filters, Add	10,451.82	
For Combination Filter Mixing Box And Throwaway Filters, Add	17,331.31	
For Manual Roll Filter, Add	27,411.90	
For Automatic Roll Filter, Add	34,132.30	
For Hot Water Heating Coil, Aluminum Fins, Add	7,250.71	
For Electric Heating Coil, Add	8,594.79	
For Chilled Water Cooling Coil, Aluminum Fins, Add	27,411.90	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	27,411.90	
For Steam Heating Coil, Aluminum Fins, Add	13,971.11	
For Chilled Water Cooling Coil, Copper Fins, Add	34,132.30	
For Direct Expansion Cooling Coil, Copper Fins, Add	34,132.30	
For 2 Coils, Independent Circuits, Add	8,594.79	
For Coil Coating For Each Coil, Add	5,040.30	
23 73 13 00-0080 EA 32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	80,791.04	4,341.93
For Economizer, Panel, Controls And Damper(s), Add	2,604.59	
For Flat Filter Box And Throwaway Filters, Add	7,769.27	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,622.92	
For Combination Filter Mixing Box And Throwaway Filters, Add	19,268.25	
For Manual Roll Filter, Add	30,457.40	
For Automatic Roll Filter, Add	37,916.83	
For Hot Water Heating Coil, Aluminum Fins, Add	8,079.10	
For Electric Heating Coil, Add	9,570.99	
For Chilled Water Cooling Coil, Aluminum Fins, Add	30,457.40	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	30,457.40	
For Steam Heating Coil, Aluminum Fins, Add	15,538.54	
For Chilled Water Cooling Coil, Copper Fins, Add	37,916.83	
For Direct Expansion Cooling Coil, Copper Fins, Add	37,916.83	
For 2 Coils, Independent Circuits, Add	9,570.99	
For Coil Coating For Each Coil, Add	5,594.57	
23 73 13 00-0081 EA 35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	81,022.80	4,499.93
For Economizer, Panel, Controls And Damper(s), Add	2,633.56	
For Flat Filter Box And Throwaway Filters, Add	7,780.86	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,639.14	
For Combination Filter Mixing Box And Throwaway Filters, Add	19,291.43	
For Manual Roll Filter, Add	30,480.58	
For Automatic Roll Filter, Add	37,940.01	
For Hot Water Heating Coil, Aluminum Fins, Add	8,102.28	
For Electric Heating Coil, Add	9,594.17	
For Chilled Water Cooling Coil, Aluminum Fins, Add	30,480.58	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	30,480.58	
For Steam Heating Coil, Aluminum Fins, Add	15,561.71	
For Chilled Water Cooling Coil, Copper Fins, Add	37,940.01	
For Direct Expansion Cooling Coil, Copper Fins, Add	37,940.01	
For 2 Coils, Independent Circuits, Add	9,594.17	
For Coil Coating For Each Coil, Add	5,594.57	
23 73 13 00-0082 EA 37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	84,800.09	4,657.68
For Economizer, Panel, Controls And Damper(s), Add	2,662.53	
For Flat Filter Box And Throwaway Filters, Add	8,147.00	
For Medium Capacity Filter Box And Throwaway Filters, Add	12,187.19	
For Combination Filter Mixing Box And Throwaway Filters, Add	20,200.99	
For Manual Roll Filter, Add	31,921.96	
For Automatic Roll Filter, Add	39,735.95	
For Hot Water Heating Coil, Aluminum Fins, Add	8,480.01	
For Electric Heating Coil, Add	10,042.81	
For Chilled Water Cooling Coil, Aluminum Fins, Add	31,921.96	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	31,921.96	
For Steam Heating Coil, Aluminum Fins, Add	16,293.99	
For Chilled Water Cooling Coil, Copper Fins, Add	39,735.95	
For Direct Expansion Cooling Coil, Copper Fins, Add	39,735.95	
For 2 Coils, Independent Circuits, Add	10,042.81	
For Coil Coating For Each Coil, Add	5,860.49	
23 73 13 00-0083 EA 40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	88,570.11	4,999.92
For Economizer, Panel, Controls And Damper(s), Add	2,722.25	
For Flat Filter Box And Throwaway Filters, Add	8,500.11	
For Medium Capacity Filter Box And Throwaway Filters, Add	12,714.48	
For Combination Filter Mixing Box And Throwaway Filters, Add	21,071.83	
For Manual Roll Filter, Add	33,286.65	
For Automatic Roll Filter, Add	41,429.86	
For Hot Water Heating Coil, Aluminum Fins, Add	8,857.01	
For Electric Heating Coil, Add	10,485.65	
For Chilled Water Cooling Coil, Aluminum Fins, Add	33,286.65	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	33,286.65	
For Steam Heating Coil, Aluminum Fins, Add	17,000.22	
For Chilled Water Cooling Coil, Copper Fins, Add	41,429.86	
For Direct Expansion Cooling Coil, Copper Fins, Add	41,429.86	
For 2 Coils, Independent Circuits, Add	10,485.65	
For Coil Coating For Each Coil, Add	6,107.41	

23 Heating, Ventilating, And Air-Conditioning (HVAC)
23 70 Central HVAC Equipment
23 73 Indoor Central-Station Air-Handling Units


MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0084	EA		45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	95,640.25	5,263.08
			For Economizer, Panel, Controls And Damper(s), Add	2,765.68	
			For Flat Filter Box And Throwaway Filters, Add	9,189.75	
			For Medium Capacity Filter Box And Throwaway Filters, Add	13,747.20	
			For Combination Filter Mixing Box And Throwaway Filters, Add	22,787.25	
			For Manual Roll Filter, Add	36,010.47	
			For Automatic Roll Filter, Add	44,825.96	
			For Hot Water Heating Coil, Aluminum Fins, Add	9,564.03	
			For Electric Heating Coil, Add	11,327.12	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	36,010.47	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	36,010.47	
			For Steam Heating Coil, Aluminum Fins, Add	18,379.51	
			For Chilled Water Cooling Coil, Copper Fins, Add	44,825.96	
			For Direct Expansion Cooling Coil, Copper Fins, Add	44,825.96	
			For 2 Coils, Independent Circuits, Add	11,327.12	
			For Coil Coating For Each Coil, Add	6,611.61	
23 73 13 00-0085	EA		50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	102,911.91	5,552.55
			For Economizer, Panel, Controls And Damper(s), Add	2,694.23	
			For Flat Filter Box And Throwaway Filters, Add	9,894.08	
			For Medium Capacity Filter Box And Throwaway Filters, Add	14,801.40	
			For Combination Filter Mixing Box And Throwaway Filters, Add	24,536.63	
			For Manual Roll Filter, Add	38,782.08	
			For Automatic Roll Filter, Add	48,279.04	
			For Hot Water Heating Coil, Aluminum Fins, Add	10,291.19	
			For Electric Heating Coil, Add	12,190.58	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	38,782.08	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	38,782.08	
			For Steam Heating Coil, Aluminum Fins, Add	19,788.15	
			For Chilled Water Cooling Coil, Copper Fins, Add	48,279.04	
			For Direct Expansion Cooling Coil, Copper Fins, Add	48,279.04	
			For 2 Coils, Independent Circuits, Add	12,190.58	
			For Coil Coating For Each Coil, Add	7,122.72	
23 73 13 00-0086	EA		55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	110,983.64	5,894.65
			For Economizer, Panel, Controls And Damper(s), Add	2,741.65	
			For Flat Filter Box And Throwaway Filters, Add	10,677.54	
			For Medium Capacity Filter Box And Throwaway Filters, Add	15,974.23	
			For Combination Filter Mixing Box And Throwaway Filters, Add	26,483.44	
			For Manual Roll Filter, Add	41,868.52	
			For Automatic Roll Filter, Add	52,125.24	
			For Hot Water Heating Coil, Aluminum Fins, Add	11,098.36	
			For Electric Heating Coil, Add	13,149.71	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	41,868.52	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	41,868.52	
			For Steam Heating Coil, Aluminum Fins, Add	21,355.08	
			For Chilled Water Cooling Coil, Copper Fins, Add	52,125.24	
			For Direct Expansion Cooling Coil, Copper Fins, Add	52,125.24	
			For 2 Coils, Independent Circuits, Add	13,149.71	
			For Coil Coating For Each Coil, Add	7,692.54	
23 73 13 00-0087	EA		60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	119,417.53	6,052.54
			For Economizer, Panel, Controls And Damper(s), Add	2,763.12	
			For Flat Filter Box And Throwaway Filters, Add	11,510.20	
			For Medium Capacity Filter Box And Throwaway Filters, Add	17,222.14	
			For Combination Filter Mixing Box And Throwaway Filters, Add	28,559.71	
			For Manual Roll Filter, Add	45,177.67	
			For Automatic Roll Filter, Add	56,256.31	
			For Hot Water Heating Coil, Aluminum Fins, Add	11,941.75	
			For Electric Heating Coil, Add	14,157.48	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	45,177.67	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	45,177.67	
			For Steam Heating Coil, Aluminum Fins, Add	23,020.39	
			For Chilled Water Cooling Coil, Copper Fins, Add	56,256.31	
			For Direct Expansion Cooling Coil, Copper Fins, Add	56,256.31	
			For 2 Coils, Independent Circuits, Add	14,157.48	
			For Coil Coating For Each Coil, Add	8,308.98	
23 73 13 00-0088			Return/Supply Air Fan <small>(23 73 13)</small>		
			Note: Includes vibration mounts.		
23 73 13 00-0089	EA		300 CFM Return Air Fan.....	1,877.18	210.49
23 73 13 00-0090	EA		500 CFM Return Air Fan.....	2,461.33	252.59
23 73 13 00-0091	EA		750 CFM Return Air Fan.....	2,571.97	263.12
23 73 13 00-0092	EA		1,000 CFM Return Air Fan.....	2,964.23	278.91
23 73 13 00-0093	EA		1,250 CFM Return Air Fan.....	3,048.25	292.06
23 73 13 00-0094	EA		1,500 CFM Return Air Fan.....	3,110.50	305.22
23 73 13 00-0095	EA		1,750 CFM Return Air Fan.....	3,263.55	321.01
23 73 13 00-0096	EA		2,000 CFM Return Air Fan.....	3,655.81	336.79
23 73 13 00-0097	EA		2,250 CFM Return Air Fan.....	3,830.57	352.58
23 73 13 00-0098	EA		2,500 CFM Return Air Fan.....	3,918.39	368.37
23 73 13 00-0099	EA		3,000 CFM Return Air Fan.....	4,126.87	407.85
23 73 13 00-0100	EA		3,500 CFM Return Air Fan.....	4,222.26	428.91
23 73 13 00-0101	EA		4,000 CFM Return Air Fan.....	4,313.79	447.32
23 73 13 00-0102	EA		4,500 CFM Return Air Fan.....	4,430.91	468.41
23 73 13 00-0103	EA		5,000 CFM Return Air Fan.....	4,529.93	492.09
23 73 13 00-0104	EA		5,500 CFM Return Air Fan.....	4,699.55	549.99
23 73 13 00-0105	EA		6,000 CFM Return Air Fan.....	5,302.78	652.62
23 73 13 00-0106	EA		6,500 CFM Return Air Fan.....	5,448.51	663.15
23 73 13 00-0107	EA		7,000 CFM Return Air Fan.....	5,517.35	665.78
23 73 13 00-0108	EA		8,000 CFM Return Air Fan.....	5,837.04	676.31
23 73 13 00-0109	EA		9,000 CFM Return Air Fan.....	5,977.55	684.20
23 73 13 00-0110	EA		10,000 CFM Return Air Fan.....	6,299.11	710.63



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0111	EA		12,500 CFM Return Air Fan.....	6,752.14	723.63
23 73 13 00-0112	EA		15,000 CFM Return Air Fan.....	7,717.09	744.20
23 73 13 00-0113	EA		17,500 CFM Return Air Fan.....	8,448.21	784.17
23 73 13 00-0114	EA		20,000 CFM Return Air Fan.....	10,193.02	818.30
23 73 13 00-0115	EA		22,500 CFM Return Air Fan.....	10,693.02	846.83
23 73 13 00-0116	EA		25,000 CFM Return Air Fan.....	11,201.46	871.04
23 73 13 00-0117	EA		27,500 CFM Return Air Fan.....	11,827.09	957.88
23 73 13 00-0118	EA		30,000 CFM Return Air Fan.....	12,662.98	1,010.43
23 73 13 00-0119	EA		35,000 CFM Return Air Fan.....	14,397.86	1,052.50
23 73 13 00-0120	EA		40,000 CFM Return Air Fan.....	17,070.70	1,157.77
23 73 13 00-0121	EA		45,000 CFM Return Air Fan.....	21,144.75	1,315.66
23 73 13 00-0122	EA		50,000 CFM Return Air Fan.....	26,040.07	1,363.14
23 73 13 00-0123	EA		55,000 CFM Return Air Fan.....	27,290.45	1,402.50
23 73 13 00-0124	EA		60,000 CFM Return Air Fan.....	27,910.58	1,439.34
23 73 13 00-0125	EA		65,000 CFM Return Air Fan.....	29,281.50	1,502.46
23 73 13 00-0126	EA		70,000 CFM Return Air Fan.....	30,757.35	1,576.44
23 73 13 00-0127	EA		75,000 CFM Return Air Fan.....	33,131.97	1,653.77
23 73 13 00-0128	EA		80,000 CFM Return Air Fan.....	34,583.62	1,741.44
23 73 13 00-0129	EA		90,000 CFM Return Air Fan.....	35,657.87	1,840.62
23 73 13 00-0130	EA		100,000 CFM Return Air Fan.....	38,409.03	1,924.86
23 73 13 00-0131	EA		115,000 CFM Return Air Fan.....	41,389.15	2,016.92
23 73 13 00-0132	EA		130,000 CFM Return Air Fan.....	44,621.68	2,118.54
23 73 13 00-0133	EA		150,000 CFM Return Air Fan.....	48,935.02	2,231.39

23 73 13 00-0134

Removal And Reinstallation Of Air Handling Unit (23 73 13)

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA		Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	963.93	
23 73 13 00-0136	EA		Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit.....	1,307.59	
23 73 13 00-0137	EA		Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit.....	1,626.64	
23 73 13 00-0138	EA		Removal And Reinstallation Of >22,000 CFM Air Handling Unit.....	2,967.90	

23 74 Packaged Outdoor HVAC Equipment (23 70)

23 74 16 Packaged Rooftop Air-Conditioning Units (23 74)

23 74 16 00-0001

Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16)

Note: Includes coil coating, double wall construction, manual outside air damper, and electric heat approximately one-half cooling capacity. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Based on unit being placed on roof by crane up to a height of 2-1/2 stories. For height greater than 2-1/2 stories, additional crane work may be necessary. Economizers are provided for 5 tons and up. Excludes roof work associated with setting curb. See CSI section 26 28 16 00-0001 for disconnects.

23 74 16 00-0002	EA		2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	2,794.05	182.45
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-364.37	
			For Unit Economizer, Add	327.99	
			For Equipment Base Roof Curbs, Add	218.68	
23 74 16 00-0003	EA		3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	4,128.53	245.00
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-546.56	
			For Unit Economizer, Add	485.73	
			For Equipment Base Roof Curbs, Add	321.76	
23 74 16 00-0004	EA		4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	5,154.36	281.49
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-688.71	
			For Unit Economizer, Add	607.26	
			For Equipment Base Roof Curbs, Add	400.65	
23 74 16 00-0005	EA		5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	6,349.12	302.35
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-860.88	
			For Unit Economizer, Add	749.70	
			For Equipment Base Roof Curbs, Add	491.43	
23 74 16 00-0006	EA		7-1/2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	8,796.40	344.05
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-1,216.25	
			For Unit Economizer, Add	1,041.81	
			For Equipment Base Roof Curbs, Add	676.93	
23 74 16 00-0007	EA		10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	12,343.66	385.76
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-1,621.66	
			For Unit Economizer, Add	1,450.59	
			For Equipment Base Roof Curbs, Add	964.09	
23 74 16 00-0008	EA		12-1/2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	15,135.05	406.61
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-2,027.08	
			For Unit Economizer, Add	1,783.78	
			For Equipment Base Roof Curbs, Add	1,175.66	
23 74 16 00-0009	EA		15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	18,009.83	448.30
			Note: Electric load approximately 1/2 the cooling capacity.		
			For Unit Without Heat, Deduct	-2,432.49	
			For Unit Economizer, Add	2,125.32	
			For Equipment Base Roof Curbs, Add	1,395.57	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0010	EA		20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	22,336.11	510.86
			<i>For Unit Without Heat, Deduct</i>	-3,043.12	
			<i>For Unit Economizer, Add</i>	2,639.36	
			<i>For Equipment Base Roof Curbs, Add</i>	1,726.43	
23 74 16 00-0011	EA		25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	27,830.21	620.33
			<i>For Unit Without Heat, Deduct</i>	-3,803.90	
			<i>For Unit Economizer, Add</i>	3,290.21	
			<i>For Equipment Base Roof Curbs, Add</i>	2,149.04	
23 74 16 00-0012	EA		30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	33,329.53	724.59
			<i>For Unit Without Heat, Deduct</i>	-4,564.67	
			<i>For Unit Economizer, Add</i>	3,941.58	
			<i>For Equipment Base Roof Curbs, Add</i>	2,572.17	
23 74 16 00-0013	EA		35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	38,912.25	854.91
			<i>For Unit Without Heat, Deduct</i>	-5,325.45	
			<i>For Unit Economizer, Add</i>	4,601.29	
			<i>For Equipment Base Roof Curbs, Add</i>	3,003.65	
23 74 16 00-0014	EA		40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	41,783.87	969.60
			<i>For Unit Without Heat, Deduct</i>	-5,685.82	
			<i>For Unit Economizer, Add</i>	4,936.50	
			<i>For Equipment Base Roof Curbs, Add</i>	3,230.75	
23 74 16 00-0015	EA		50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	51,646.00	1,068.64
			<i>For Unit Without Heat, Deduct</i>	-7,107.28	
			<i>For Unit Economizer, Add</i>	6,112.24	
			<i>For Equipment Base Roof Curbs, Add</i>	3,980.05	
23 74 16 00-0016	EA		60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	58,774.00	1,277.16
			<i>For Unit Without Heat, Deduct</i>	-8,048.24	
			<i>For Unit Economizer, Add</i>	6,950.50	
			<i>For Equipment Base Roof Curbs, Add</i>	4,536.03	
23 74 16 00-0017	EA		75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit Note: Electric load approximately 1/2 the cooling capacity.	72,703.76	1,490.89
			<i>For Unit Without Heat, Deduct</i>	-10,010.25	
			<i>For Unit Economizer, Add</i>	8,605.08	
			<i>For Equipment Base Roof Curbs, Add</i>	5,602.00	
23 74 16 00-0018			Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16)</small> Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.2 EER, >11 to 20 tons have 11 EER, >20 to 63 tons have 10 EER and >63 tons have 9.7 EER. Excludes crane and associated personnel.		
23 74 16 00-0019	EA		2 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit.....	3,551.81	93.83
			<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-167.95	
			<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-67.18	
			<i>For Unit Economizer, Add</i>	422.36	
			<i>For Equipment Base Roof Curb, Add</i>	271.21	
23 74 16 00-0020	EA		3 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit.....	3,438.88	109.47
			<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-161.00	
			<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-64.40	
			<i>For Unit Economizer, Add</i>	408.29	
			<i>For Equipment Base Roof Curb, Add</i>	263.39	
23 74 16 00-0021	EA		4 Ton Electric Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,040.12	114.68
			<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-190.80	
			<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-76.32	
			<i>For Unit Economizer, Add</i>	480.33	
			<i>For Equipment Base Roof Curb, Add</i>	308.61	
23 74 16 00-0022	EA		5 Ton Electric Cooling, 100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,542.62	140.75
			<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-213.06	
			<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-85.22	
			<i>For Unit Economizer, Add</i>	539.48	
			<i>For Equipment Base Roof Curb, Add</i>	347.73	
23 74 16 00-0023	EA		6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,252.62	151.17
			<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-247.51	
			<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-99.01	
			<i>For Unit Economizer, Add</i>	624.27	
			<i>For Equipment Base Roof Curb, Add</i>	401.51	
23 74 16 00-0024	EA		7.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,728.81	161.60
			<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-320.28	
			<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-128.11	
			<i>For Unit Economizer, Add</i>	800.99	
			<i>For Equipment Base Roof Curb, Add</i>	512.74	
23 74 16 00-0025	EA		8.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,507.57	166.81
			<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-358.70	
			<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-143.48	
			<i>For Unit Economizer, Add</i>	894.24	
			<i>For Equipment Base Roof Curb, Add</i>	571.41	
23 74 16 00-0026	EA		10 Ton Electric Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,966.77	172.03
			<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-381.40	
			<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-152.56	
			<i>For Unit Economizer, Add</i>	949.24	
			<i>For Equipment Base Roof Curb, Add</i>	605.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 00-0027	EA		12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	10,627.34 -509.99 -204.00 1,266.73 807.74	213.73
23 74 16 00-0028	EA		15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	13,216.74 -635.29 -254.12 1,575.79 1,004.03	255.44
23 74 16 00-0029	EA		18 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	15,756.98 -758.40 -303.36 1,879.06 1,196.50	297.13
23 74 16 00-0030	EA		20 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	18,311.23 -881.94 -352.78 2,183.90 1,390.15	333.63
23 74 16 00-0031	EA		25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	18,717.89 -893.15 -357.26 2,229.05 1,425.21	427.46
23 74 16 00-0032	EA		30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	19,428.73 -919.31 -367.72 2,310.60 1,483.22	521.29
23 74 16 00-0033	EA		40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	26,732.39 -1,274.33 -509.73 3,182.97 2,036.08	625.54
23 74 16 00-0034	EA		50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	32,880.14 -1,565.81 -626.33 3,914.34 2,505.11	781.93
23 74 16 00-0035	EA		60 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	38,322.24 -1,631.14 -732.46 4,564.68 2,916.65	849.70
23 74 16 00-0036	EA		80 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	54,971.04 -2,646.64 -1,058.66 6,555.76 4,173.78	1,021.72
23 74 16 00-0037	EA		90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	64,616.66 -3,124.23 -1,249.69 7,711.36 4,899.55	1,068.64
23 74 16 00-0038	EA		100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Hot Water Heating Coil Instead Of Gas, Deduct</i> <i>For Steam Heating Coil Instead Of Gas, Deduct</i> <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	69,526.68 -3,359.04 -1,343.62 8,296.29 5,273.15	1,172.91
23 74 16 00-0039			Gas Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16)</small> Note: Units up to 5 tons have 13 SEER. Units > 5 to 11 tons have 10.1 EER, >11 to 19 tons have 9.5 EER, >19 to 63 tons have 9.3 EER and >63 tons have 9.0 EER. Excludes crane and associated personnel.		
23 74 16 00-0040	EA		2 Ton Gas Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	4,303.57 512.57 327.59	140.75
23 74 16 00-0041	EA		3 Ton Gas Cooling, 90 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	4,627.61 550.93 352.54	161.60
23 74 16 00-0042	EA		4 Ton Gas Cooling, 110 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	5,031.68 599.32 382.98	166.81
23 74 16 00-0043	EA		5 Ton Gas Cooling, 112 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	5,567.66 662.49 424.61	208.51
23 74 16 00-0044	EA		6 Ton Gas Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	7,975.10 950.97 605.69	224.15
23 74 16 00-0045	EA		7.5 Ton Gas Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	10,381.71 1,239.34 786.71	239.79
23 74 16 00-0046	EA		10 Ton Gas Cooling, 270 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	14,606.58 1,746.01 1,103.96	255.44
23 74 16 00-0047	EA		12.5 Ton Gas Cooling, 335 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	16,749.74 2,001.42 1,266.92	317.98

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74	16 00-0048	EA	15 Ton Gas Cooling, 375 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	18,884.60 2,255.93 1,429.12	380.54
23 74	16 00-0049	EA	18 Ton Gas Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	24,676.75 2,949.43 1,865.48	443.10
23 74	16 00-0050	EA	20 Ton Gas Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	30,470.25 3,642.98 2,302.08	500.44
23 74	16 00-0051	EA	25 Ton Gas Cooling, 525 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	36,330.70 4,342.59 2,746.18	641.18
23 74	16 00-0052	EA	30 Ton Gas Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	42,994.09 5,138.44 3,250.62	781.93
23 74	16 00-0053	EA	40 Ton Gas Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	55,867.33 6,679.16 4,221.20	933.11
23 74	16 00-0054	EA	50 Ton Gas Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	67,916.73 8,118.73 5,132.85	1,172.91
23 74	16 00-0055	EA	60 Ton Gas Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	76,780.43 9,179.66 5,801.02	1,277.16
23 74	16 00-0056	EA	80 Ton Gas Cooling, 1,300 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	126,860.45 15,182.49 9,565.49	1,527.38
23 74	16 00-0057	EA	90 Ton Gas Cooling, 1,500 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	149,478.59 17,894.79 11,264.20	1,600.36
23 74	16 00-0058	EA	100 Ton Gas Cooling, 1,700 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	160,766.77 19,245.10 12,116.15	1,756.75

23 74 23 Packaged, Outdoor, Heating-Only Make-up-Air Units (23 74)

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Make-up-Air Units (23 74 23)

23 74 23	13-0001		Make-Up Air Units (23 74 23 13) Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel.		
23 74 23	13-0002		Gas-Fired Electric Spark Make-Up Air Units (23 74 23 13-0001) Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.		
23 74 23	13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	4,241.86 1,155.27 329.87	234.58
23 74 23	13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	5,500.47 1,515.91 425.96	265.86
23 74 23	13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	7,684.84 2,149.07 592.00	312.78
23 74 23	13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	7,737.56 2,153.15 597.13	333.63
23 74 23	13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	10,617.20 2,997.50 815.06	375.32
23 74 23	13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	16,149.74 4,610.34 1,234.69	469.16
23 74 23	13-0009		Electric Make-Up Air Units (23 74 23 13-0001) Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.		
23 74 23	13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	8,887.34 2,548.91 678.28	234.58
23 74 23	13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	12,750.53 3,690.93 969.71	265.86
23 74 23	13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	15,810.00 4,586.62 1,201.39	312.78
23 74 23	13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	20,471.79 5,953.87 1,554.15	375.32
23 74 23	13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	33,188.53 9,721.98 2,512.60	469.16

23 80 Decentralized Unitary HVAC Equipment (23)

Note: Where required, mechanical equipment excludes hangers/supports, electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0010 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

23 81 Decentralized Unitary HVAC Equipment (23 80)

23 81 13 Packaged Terminal Air-Conditioners (23 81)

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13)

23 81 13 11-0001 Packaged Terminal Air-Conditioners (23 81 13 11)

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)

Table with columns for UOM, Description, and Unit Cost. Rows include items like 23 81 13 11-0003 EA 7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner with associated costs.

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)

Table with columns for UOM, Description, and Unit Cost. Rows include items like 23 81 13 11-0008 EA 7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner with associated costs.

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve (23 81 13 11)

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

Table with columns for UOM, Description, and Unit Cost. Rows include items like 23 81 13 11-0013 EA Up To 10,000 BTU Unit, Thru Wall A/C Sleeve with associated costs.

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13 11)

Note: Includes storage and cleaning.

Table with columns for UOM, Description, and Unit Cost. Row includes 23 81 13 11-0017 EA Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units with associated cost.

23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units (23 81 13)

23 81 13 13-0001 Single Package Vertical Wall Cooling Unit (23 81 13 13)

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.

Table with columns for UOM, Description, and Unit Cost. Rows include items like 23 81 13 13-0002 EA 1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat with associated costs.

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 81 13 13-0015 EA 25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat 37,909.98 647.61

23 81 16 Room Air-Conditioners (23 81)

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 16 00-0001 Window Unit, Room Air-Conditioners (23 81 16)

23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners (23 81 16 00-0001)

23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0002)

23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	298.21	42.63
		For >10 To 50, Deduct	-10.65	
		For >50 To 75, Deduct	-14.91	
		For >75 To 100, Deduct	-21.29	
		For >100, Deduct	-25.55	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	388.95	42.63
		For >10 To 50, Deduct	-11.72	
		For >50 To 75, Deduct	-16.40	
		For >75 To 100, Deduct	-23.43	
		For >100, Deduct	-28.12	
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833Q1)	373.11	42.63
		For >10 To 50, Deduct	-14.39	
		For >50 To 75, Deduct	-20.15	
		For >75 To 100, Deduct	-28.78	
		For >100, Deduct	-34.54	
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033Q1)	448.01	42.63
		For >10 To 50, Deduct	-18.14	
		For >50 To 75, Deduct	-25.39	
		For >75 To 100, Deduct	-36.27	
		For >100, Deduct	-43.53	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	544.31	42.63
		For >10 To 50, Deduct	-22.95	
		For >50 To 75, Deduct	-32.13	
		For >75 To 100, Deduct	-45.90	
		For >100, Deduct	-55.08	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	651.31	42.63
		For >10 To 50, Deduct	-28.30	
		For >50 To 75, Deduct	-39.62	
		For >75 To 100, Deduct	-56.60	
		For >100, Deduct	-67.92	
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	608.51	42.63
		For >10 To 50, Deduct	-26.16	
		For >50 To 75, Deduct	-36.63	
		For >75 To 100, Deduct	-52.32	
		For >100, Deduct	-62.79	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	662.01	42.63
		For >10 To 50, Deduct	-28.84	
		For >50 To 75, Deduct	-40.37	
		For >75 To 100, Deduct	-57.67	
		For >100, Deduct	-69.21	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	704.81	42.63
		For >10 To 50, Deduct	-30.98	
		For >50 To 75, Deduct	-43.37	
		For >75 To 100, Deduct	-61.95	
		For >100, Deduct	-74.34	
23 81 16 00-0013	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	747.61	42.63
		For >10 To 50, Deduct	-33.12	
		For >50 To 75, Deduct	-46.36	
		For >75 To 100, Deduct	-66.23	
		For >100, Deduct	-79.48	
23 81 16 00-0014	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	833.21	42.63
		For >10 To 50, Deduct	-37.40	
		For >50 To 75, Deduct	-52.36	
		For >75 To 100, Deduct	-74.79	
		For >100, Deduct	-89.75	
23 81 16 00-0015	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	843.91	42.63
		For >10 To 50, Deduct	-37.93	
		For >50 To 75, Deduct	-53.10	
		For >75 To 100, Deduct	-75.86	
		For >100, Deduct	-91.04	
23 81 16 00-0016	EA	28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	1,004.72	42.63
		For >10 To 50, Deduct	-45.97	
		For >50 To 75, Deduct	-64.36	
		For >75 To 100, Deduct	-91.94	
		For >100, Deduct	-110.33	

23 81 16 00-0017 Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) (23 81 16 00-0002)

23 81 16 00-0018	EA	8,000 BTU, 11.5 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10B)	1,115.63	42.63
23 81 16 00-0019	EA	9,700 BTU, 11.3 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10B)	1,215.45	42.63
23 81 16 00-0020	EA	11,900 BTU, 11.3 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	1,248.73	42.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0021 EA 12,000 BTU, 11.3 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	1,354.09	42.63
23 81 16 00-0022 EA 17,500 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30A)	1,470.55	42.63
23 81 16 00-0023 EA 24,000 BTU, 8.5 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	2,002.91	42.63
23 81 16 00-0024 EA 28,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30B)	2,080.55	42.63
23 81 16 00-0025 EA 36,000 BTU, 8.5 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	2,335.64	42.63
23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners (23 81 16 00-0001)		
23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0026)		
23 81 16 00-0028 EA 8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FRA12EZU2)	683.41	42.63
For >10 To 50, Deduct	-29.91	
For >50 To 75, Deduct	-41.87	
For >75 To 100, Deduct	-59.81	
For >100, Deduct	-71.78	
23 81 16 00-0029 EA 12,000 BTU, 9.8 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222Q2)	929.51	42.63
For >10 To 50, Deduct	-42.21	
For >50 To 75, Deduct	-59.10	
For >75 To 100, Deduct	-84.42	
For >100, Deduct	-101.31	
23 81 16 00-0030 EA 18,000 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822Q2)	886.71	42.63
For >10 To 50, Deduct	-40.07	
For >50 To 75, Deduct	-56.10	
For >75 To 100, Deduct	-80.14	
For >100, Deduct	-96.17	
23 81 16 00-0031 EA 25,000 BTU, 9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522Q2)	1,122.11	42.63
For >10 To 50, Deduct	-51.84	
For >50 To 75, Deduct	-72.58	
For >75 To 100, Deduct	-103.68	
For >100, Deduct	-124.42	
23 81 16 00-0032 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) (23 81 16 00-0026)		
23 81 16 00-0033 EA 7,500 BTU, 11.0 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich EQ08N11C)	886.71	42.63
23 81 16 00-0034 EA 12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	1,314.71	42.63
23 81 16 00-0035 Accessories (23 81 16 00-0001)		
23 81 16 00-0036 SET Aluminum Air Conditioner Unit Frame And Bracket Assembly	321.79	30.66
23 81 16 00-0037 Removal And Reinstallation Of Room Air-Conditioners (23 81 16)		
Note: Includes storage and cleaning.		
23 81 16 00-0038 EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	50.76	
23 81 16 00-0039 EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	118.47	
23 81 16 00-0040 Through-The-Wall, Room Air-Conditioners (23 81 16)		
Note: Base unit excludes wall sleeve.		
23 81 16 00-0041 Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0040)		
23 81 16 00-0042 Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0041)		
23 81 16 00-0043 EA 8,000 BTU, 10.4 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10)	840.94	30.46
For >10 To 50, Deduct	-39.00	
For >50 To 75, Deduct	-54.60	
For >75 To 100, Deduct	-78.00	
For >100, Deduct	-93.60	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	171.15	
23 81 16 00-0044 EA 9,700 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10)	905.14	30.46
For >10 To 50, Deduct	-42.21	
For >50 To 75, Deduct	-59.10	
For >75 To 100, Deduct	-84.42	
For >100, Deduct	-101.31	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	171.15	
23 81 16 00-0045 EA 12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	1,044.24	30.46
For >10 To 50, Deduct	-49.17	
For >50 To 75, Deduct	-68.83	
For >75 To 100, Deduct	-98.33	
For >100, Deduct	-118.00	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	171.15	
23 81 16 00-0046 EA 10,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10C30D)	910.49	30.46
For >10 To 50, Deduct	-42.48	
For >50 To 75, Deduct	-59.47	
For >75 To 100, Deduct	-84.96	
For >100, Deduct	-101.95	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	171.15	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81	16 00-0047	EA	11,500 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12C30D)	1,038.89	30.46
			<i>For >10 To 50, Deduct</i>	-48.90	
			<i>For >50 To 75, Deduct</i>	-68.46	
			<i>For >75 To 100, Deduct</i>	-97.80	
			<i>For >100, Deduct</i>	-117.36	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	171.15	
23 81	16 00-0048		Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0040)		
23 81	16 00-0049		Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0048)		
23 81	16 00-0050	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)	1,076.34	30.46
			<i>For >10 To 50, Deduct</i>	-50.77	
			<i>For >50 To 75, Deduct</i>	-71.08	
			<i>For >75 To 100, Deduct</i>	-101.54	
			<i>For >100, Deduct</i>	-121.85	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	171.15	
23 81	16 00-0051	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	1,129.84	30.46
			<i>For >10 To 50, Deduct</i>	-53.45	
			<i>For >50 To 75, Deduct</i>	-74.83	
			<i>For >75 To 100, Deduct</i>	-106.89	
			<i>For >100, Deduct</i>	-128.27	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	171.15	
23 81 23			Computer-Room Air-Conditioners (23 81)		
			Note: Includes equipment rigging. Indoor units include filters.		
23 81	23 00-0001		Floor Mounted Air Cooled Direct Expansion Type (23 81 23)		
			Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitact sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81	23 00-0002	EA	3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	19,617.21	866.75
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	2,289.46	
23 81	23 00-0003	EA	5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	21,655.65	948.00
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	2,528.22	
23 81	23 00-0004	EA	6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	30,197.12	1,083.44
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	3,573.21	
23 81	23 00-0005	EA	8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	33,084.51	1,151.14
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	3,921.54	
23 81	23 00-0006	EA	10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	35,971.90	1,218.86
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	4,269.88	
23 81	23 00-0007	EA	16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	40,197.50	1,462.63
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	4,748.82	
23 81	23 00-0008	EA	20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	45,464.27	1,625.15
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	5,380.89	
23 81	23 00-0009	EA	24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	47,672.83	1,733.50
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	5,633.72	
23 81	23 00-0010	EA	30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	56,060.86	1,950.17
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	6,645.03	
23 81	23 00-0011		Floor Mounted Chilled Water Type (23 81 23)		
			Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitact sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0019 for chilled water source.		
23 81	23 00-0012	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	13,310.37	593.90
			<i>For Liebert Unit, Add</i>	1,564.81	
23 81	23 00-0013	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	14,287.10	657.86
			<i>For Liebert Unit, Add</i>	1,676.25	
23 81	23 00-0014	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	17,512.47	1,002.01
			<i>For Liebert Unit, Add</i>	2,022.06	
23 81	23 00-0015	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	18,336.69	1,015.21
			<i>For Liebert Unit, Add</i>	2,122.90	
23 81	23 00-0016	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	19,036.69	1,055.82
			<i>For Liebert Unit, Add</i>	2,202.94	
23 81	23 00-0017	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	19,422.75	1,157.34
			<i>For Liebert Unit, Add</i>	2,234.95	
23 81	23 00-0018	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	20,579.18	1,258.86
			<i>For Liebert Unit, Add</i>	2,363.01	
23 81	23 00-0019		Floor Mounted Water Source (23 81 23)		
			Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitact sensors, floor stand. Excludes water source.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 00-0020 EA 3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	10,183.61 1,171.76	541.71
23 81 23 00-0021 EA 5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	11,233.81 1,297.94	568.80
23 81 23 00-0022 EA 6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	14,699.21 1,726.09	595.89
23 81 23 00-0023 EA 8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	15,830.42 1,856.78	650.06
23 81 23 00-0024 EA 10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	17,498.13 2,055.08	704.23
23 81 23 00-0025 EA 12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	18,158.17 2,127.19	758.40
23 81 23 00-0026 EA 15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	18,947.15 2,217.32	812.58
23 81 23 00-0027 EA 20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	19,456.30 2,271.40	866.75
23 81 23 00-0028 EA 25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	22,209.16 2,583.87	1,029.26
23 81 23 00-0029 Floor Mounted Glycol System Type <small>(23 81 23)</small> Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0019 for water source.		
23 81 23 00-0030 EA 3 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	19,419.76 2,328.49	593.90
23 81 23 00-0031 EA 5 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	20,891.12 2,501.75	657.86
23 81 23 00-0032 EA 6 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	32,421.81 3,929.89	737.04
23 81 23 00-0033 EA 9 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	33,416.72 4,041.05	816.23
23 81 23 00-0034 EA 10 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	35,749.65 4,319.47	895.41
23 81 23 00-0035 EA 16 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	42,822.48 5,182.76	1,015.21
23 81 23 00-0036 EA 20 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	46,993.45 5,697.53	1,055.82
23 81 23 00-0037 EA 22 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	48,693.75 5,893.83	1,157.34
23 81 23 00-0038 EA 30 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Liebert Unit, Add</i>	59,417.57 7,217.81	1,258.86
23 81 23 00-0039 Ceiling Mounted Packaged Computer Room Air Conditioner <small>(23 81 23)</small> Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.		
23 81 23 00-0040 EA 1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System..... <i>For Liebert Unit, Add</i>	7,848.67 932.83	257.46
23 81 23 00-0041 EA 1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System..... <i>For Liebert Unit, Add</i>	8,659.47 1,024.49	309.20
23 81 23 00-0042 EA 2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System..... <i>For Liebert Unit, Add</i>	9,864.63 1,160.56	386.95
23 81 23 00-0043 EA 3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System..... <i>For Liebert Unit, Add</i>	12,138.53 1,432.72	451.45
23 81 23 00-0044 EA 5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System..... <i>For Liebert Unit, Add</i>	16,551.84 1,977.02	490.67
23 81 23 00-0045 Removal And Reinstallation Of Computer Room Unit <small>(23 81 23)</small> Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 00-0046 EA Removal And Reinstallation Of Computer Room Unit, Chilled Water.....	812.17	
23 81 23 00-0047 EA Removal And Reinstallation Of Computer Room Unit, Direct Expansion.....	676.80	
23 81 26 Split-System Air-Conditioners <small>(23 81)</small>		
23 81 26 00-0001 Split System A/C Unit <small>(23 81 26)</small> See CSI section 22 07 19 00-0442 for insulation, 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.		
23 81 26 00-0002 Ductless Split System Air Conditioners <small>(23 81 26 00-0001)</small> Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.		
23 81 26 00-0003 Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small>		
23 81 26 00-0004 EA 9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,528.53	134.01
23 81 26 00-0005 EA 11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,644.65	146.19
23 81 26 00-0006 EA 17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,102.61	162.44
23 81 26 00-0007 EA 24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,332.64	178.68
23 81 26 00-0008 EA 25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,813.69	194.92
23 81 26 00-0009 EA 29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,505.48	203.04

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 81 26 00-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners	4,960.36	216.45
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0011		Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small>		
		Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 00-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	640.51	64.97
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	673.45	69.04
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	707.18	73.09
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	812.44	77.16
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	870.53	81.21
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 00-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	1,973.78	97.46
		Note: Includes outdoor unit and refrigerant charge.		
23 81 26 00-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	2,186.65	105.59
		Note: Includes outdoor unit and refrigerant charge.		
23 81 26 00-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners.....	3,609.92	113.71
		Note: Includes outdoor unit and refrigerant charge.		
23 81 26 00-0020		Suspended Ceiling Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small>		
		Note: Excludes hangers.		
23 81 26 00-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners	4,122.84	194.92
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners	5,022.89	232.69
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners	6,244.97	243.65
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0024		Recessed Ceiling Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small>		
		Note: Excludes hangers.		
23 81 26 00-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners	2,420.94	162.44
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners	2,844.32	178.68
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners	4,045.55	211.16
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners	4,708.50	232.69
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners	6,087.78	243.65
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 00-0030		Ductless Split System Accessories <small>(23 81 26 00-0002)</small>		
23 81 26 00-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	6.70	0.58
23 81 26 00-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	8.86	0.64
23 81 26 00-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	11.24	0.71
23 81 26 00-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	11.00	1.09
23 81 26 00-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	20.35	1.19
23 81 26 00-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	23.28	1.32
23 81 26 00-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	28.46	2.18
23 81 26 00-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	49.70	2.40
23 81 26 00-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	55.57	2.64
23 81 26 00-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	39.19	2.33
23 81 26 00-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	46.33	2.56
23 81 26 00-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	74.12	2.82
23 81 26 00-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	28.46	2.18
23 81 26 00-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	49.70	2.40
23 81 26 00-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	55.57	2.64
23 81 26 00-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	35.44	3.64
23 81 26 00-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	54.55	4.00
23 81 26 00-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	66.06	4.39
23 81 26 00-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	22.77	0.73
23 81 26 00-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	22.03	2.18
23 81 26 00-0051	EA	4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers.....	38.12	2.40
23 81 26 00-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	19.46	2.18
23 81 26 00-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	27.83	2.40
23 81 26 00-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	29.85	2.64
23 81 26 00-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	110.41	2.91
23 81 26 00-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	125.44	3.20
23 81 26 00-0057	EA	14" Condensing Unit Mounting Blocks With End Caps.....	51.04	10.91
23 81 26 00-0058	EA	17" Condensing Unit Mounting Blocks With End Caps.....	57.11	11.63
23 81 26 00-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	85.04	12.36
23 81 26 00-0060	EA	End Cap, Set of 4.....	12.85	
23 81 26 00-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity	111.19	21.82
23 81 26 00-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity	117.80	23.27
23 81 26 00-0063	LF	5/8" ID Condensate Drain Line	1.60	0.06
23 81 26 00-0064	LF	3/4" ID Condensate Drain Line	1.66	0.06



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include categories like Cased A/C Evaporator Coils, Vertical Cased A/C Evaporator Coils, 'A' Style Horizontal Cased A/C Evaporator Coils, Slab Style Horizontal Cased A/C Evaporator Coils, Mitsubishi City Multi, Variable Refrigerant Flow Outdoor Units, and Indoor Units.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0130 EA 12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	1,951.14	83.76
23 81 26 00-0131 EA 15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	2,051.38	89.33
23 81 26 00-0132 EA 8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	1,577.92	78.17
23 81 26 00-0133 EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	1,655.03	83.76
23 81 26 00-0134 EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	1,736.75	89.33
23 81 26 00-0135 Controllers For Outdoor Units (23 81 26 00-0088)		
23 81 26 00-0136 EA 8 Branch (Main BC) (Mitsubishi CMB-P108NU-GA)	6,225.74	60.91
23 81 26 00-0137 EA 10 Branch (Main BC) (Mitsubishi CMB-P1010NU-GA)	7,181.81	71.06
23 81 26 00-0138 EA 13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	8,331.06	81.21
23 81 26 00-0139 EA 16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	9,899.01	91.37
23 81 26 00-0140 EA 4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GA)	3,623.03	40.61
23 81 26 00-0141 EA 8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	5,584.92	60.91
23 81 26 00-0142 EA 16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	8,541.04	91.37
23 81 26 00-0143 EA ME Remote Controller (Mitsubishi PAR-F27MEA-US)	402.77	8.12
23 81 26 00-0144 EA AG-150 Standard Package (Mitsubishi AG-150A-Standard)	5,056.18	8.12
23 81 26 00-0145 EA GB-50ADA Standard Package (Mitsubishi GB-50ADA-A)	3,045.83	8.12
23 81 26 00-0146 Energy Recovery Units (23 81 26 00-0088)		
23 81 26 00-0147 EA 36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMMU-E-AU)	4,578.60	60.91
23 81 26 00-0148 EA 39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMMU-E-BU)	8,783.20	60.91
23 81 26 00-0149 EA 112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	8,889.10	71.06
23 81 26 00-0150 EA Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	1,767.17	50.76
23 81 26 00-0151 EA Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	2,277.87	52.79
23 81 26 00-0152 EA Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	2,734.19	54.82
23 81 26 00-0153 EA Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX3-E)	5,070.19	60.91
23 81 26 00-0154 Piping Specialties (23 81 26 00-0088)		
23 81 26 00-0155 EA Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	659.32	
23 81 26 00-0156 EA Branch Joint (Mitsubishi CMY-Y102SS-G2)	144.92	17.17
23 81 26 00-0157 EA Branch Joint (Mitsubishi CMY-Y102LS-G2)	144.92	17.17
23 81 26 00-0158 EA Branch Joint (Mitsubishi CMY-Y202S-G2)	162.23	18.07
23 81 26 00-0159 EA Branch Joint (Mitsubishi CMY-Y302S-G2)	207.22	20.33
23 81 26 00-0160 EA Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	265.78	29.37
23 81 26 00-0161 EA Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	435.57	58.73
23 81 26 00-0162 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	75.77	7.23
23 81 26 00-0163 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	82.34	9.94
23 81 43 Air-Source Unitary Heat Pumps (23 81)		
23 81 43 00-0001 Single Package Thru-Wall Heat Pumps (23 81 43)		
Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel.		
23 81 43 00-0002 EA 1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	1,752.18	66.08
For Unit Economizer, Add	207.71	
For >35 To 70, Deduct	-48.73	
For >70 To 100, Deduct	-81.22	
For >100, Deduct	-113.71	
For Low Ambient Protection, 0 Degree F, Add	178.14	
23 81 43 00-0003 EA 1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	1,941.48	70.49
For Unit Economizer, Add	230.25	
For >35 To 70, Deduct	-54.15	
For >70 To 100, Deduct	-90.25	
For >100, Deduct	-126.34	
For Low Ambient Protection, 0 Degree F, Add	196.58	
23 81 43 00-0004 EA 1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	3,457.61	70.49
For Unit Economizer, Add	412.18	
For >35 To 70, Deduct	-99.63	
For >70 To 100, Deduct	-166.05	
For >100, Deduct	-232.47	
For Low Ambient Protection, 0 Degree F, Add	333.04	
23 81 43 00-0005 EA 2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	3,791.30	70.49
For Unit Economizer, Add	452.05	
For >35 To 70, Deduct	-109.38	
For >70 To 100, Deduct	-182.30	
For >100, Deduct	-255.21	
For Low Ambient Protection, 0 Degree F, Add	145.72	
23 81 43 00-0006 EA 2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,305.49	74.90
For Unit Economizer, Add	513.57	
For >35 To 70, Deduct	-124.54	
For >70 To 100, Deduct	-207.56	
For >100, Deduct	-290.59	
For Low Ambient Protection, 0 Degree F, Add	163.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0007	EA		3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,522.08	79.30
			For Unit Economizer, Add	539.57	
			For >35 To 70, Deduct	-131.04	
			For >70 To 100, Deduct	-218.39	
			For >100, Deduct	-305.75	
			For Low Ambient Protection, 0 Degree F, Add	606.37	
23 81 43 00-0008	EA		3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,108.46	79.30
			For Unit Economizer, Add	609.76	
			For >35 To 70, Deduct	-148.36	
			For >70 To 100, Deduct	-247.27	
			For >100, Deduct	-346.18	
			For Low Ambient Protection, 0 Degree F, Add	683.66	
23 81 43 00-0009	EA		4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,654.34	83.71
			For Unit Economizer, Add	675.17	
			For >35 To 70, Deduct	-164.61	
			For >70 To 100, Deduct	-274.35	
			For >100, Deduct	-384.09	
			For Low Ambient Protection, 0 Degree F, Add	755.15	
23 81 43 00-0010	EA		5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,511.03	96.92
			For Unit Economizer, Add	777.45	
			For >35 To 70, Deduct	-189.52	
			For >70 To 100, Deduct	-315.86	
			For >100, Deduct	-442.20	
			For Low Ambient Protection, 0 Degree F, Add	869.69	
23 81 43 00-0011	EA		7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	12,109.80	114.54
			For Unit Economizer, Add	1,448.51	
			For >35 To 70, Deduct	-356.29	
			For >70 To 100, Deduct	-593.82	
			For >100, Deduct	-831.34	
			For Low Ambient Protection, 0 Degree F, Add	1,602.29	
23 81 43 00-0012	EA		10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	15,600.81	145.38
			For Unit Economizer, Add	1,866.19	
			For >35 To 70, Deduct	-459.17	
			For >70 To 100, Deduct	-765.28	
			For >100, Deduct	-1,071.39	
			For Low Ambient Protection, 0 Degree F, Add	226.85	
23 81 43 00-0013	EA		12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	19,097.07	163.00
			For Unit Economizer, Add	2,285.13	
			For >35 To 70, Deduct	-563.13	
			For >70 To 100, Deduct	-938.55	
			For >100, Deduct	-1,313.97	
			For Low Ambient Protection, 0 Degree F, Add	269.21	
23 81 43 00-0014	EA		15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	23,612.91	185.03
			For Unit Economizer, Add	2,826.24	
			For >35 To 70, Deduct	-697.42	
			For >70 To 100, Deduct	-1,162.36	
			For >100, Deduct	-1,627.31	
			For Low Ambient Protection, 0 Degree F, Add	323.89	
23 81 43 00-0015	EA		20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	31,585.35	198.25
			For Unit Economizer, Add	3,782.31	
			For >35 To 70, Deduct	-935.67	
			For >70 To 100, Deduct	-1,559.44	
			For >100, Deduct	-2,183.22	
			For Low Ambient Protection, 0 Degree F, Add	411.01	
23 81 43 00-0016	EA		25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	38,118.27	215.87
			For Unit Economizer, Add	4,565.56	
			For >35 To 70, Deduct	-1,130.60	
			For >70 To 100, Deduct	-1,884.33	
			For >100, Deduct	-2,638.06	
			For Low Ambient Protection, 0 Degree F, Add	484.80	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps (23 81 43)

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, piped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.

23 81 43 00-0018	EA		1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	2,708.74	88.11
23 81 43 00-0019	EA		1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,331.42	96.92
23 81 43 00-0020	EA		1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,377.00	101.33
23 81 43 00-0021	EA		2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,035.78	110.13
23 81 43 00-0022	EA		2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,326.05	127.76
23 81 43 00-0023	EA		3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,738.86	145.38
23 81 43 00-0024	EA		3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,296.88	163.00
23 81 43 00-0025	EA		4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,218.84	180.62
23 81 43 00-0026	EA		5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,230.60	215.87

23 81 43 00-0027 Heat Pump, Room Air-Conditioners (23 81 43)

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners (23 81 43 00-0027)

23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) (23 81 43 00-0028)

23 81 43 00-0030	EA		9,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10B)	1,378.91	42.63
			For >10 To 50, Deduct	-64.68	
			For >50 To 75, Deduct	-90.55	
			For >75 To 100, Deduct	-129.36	
			For >100, Deduct	-155.24	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0031	EA		11,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33B).....	1,528.71	42.63
			<i>For >10 To 50, Deduct</i>	-72.17	
			<i>For >50 To 75, Deduct</i>	-101.04	
			<i>For >75 To 100, Deduct</i>	-144.34	
			<i>For >100, Deduct</i>	-173.21	
23 81 43 00-0032	EA		17,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YM18N34B).....	1,753.41	42.63
			<i>For >10 To 50, Deduct</i>	-83.41	
			<i>For >50 To 75, Deduct</i>	-116.77	
			<i>For >75 To 100, Deduct</i>	-166.81	
			<i>For >100, Deduct</i>	-200.18	
23 81 43 00-0033	EA		24,000 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35B).....	2,063.71	42.63
			<i>For >10 To 50, Deduct</i>	-98.92	
			<i>For >50 To 75, Deduct</i>	-138.49	
			<i>For >75 To 100, Deduct</i>	-197.84	
			<i>For >100, Deduct</i>	-237.41	
23 81 43 00-0034			Heat Pump, Through-The-Wall, Room Air-Conditioners (23 81 43 00-0027)		
			Note: Base unit excludes wall sleeve.		
23 81 43 00-0035			Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 43 00-0034)		
23 81 43 00-0036	EA		9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D).....	1,343.84	30.46
			<i>For >10 To 50, Deduct</i>	-64.15	
			<i>For >50 To 75, Deduct</i>	-89.81	
			<i>For >75 To 100, Deduct</i>	-128.29	
			<i>For >100, Deduct</i>	-153.95	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	171.15	
23 81 43 00-0037	EA		12,000 BTU, 8.6 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12C33).....	1,290.34	30.46
			<i>For >10 To 50, Deduct</i>	-61.47	
			<i>For >50 To 75, Deduct</i>	-86.06	
			<i>For >75 To 100, Deduct</i>	-122.94	
			<i>For >100, Deduct</i>	-147.53	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	171.15	
23 81 46			Water-Source Unitary Heat Pumps (23 81)		
23 81 46 00-0001			Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps (23 81 46)		
			Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002	EA		7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	1,710.72	111.48
23 81 46 00-0003	EA		9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	1,765.38	111.48
23 81 46 00-0004	EA		12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,041.52	122.63
23 81 46 00-0005	EA		19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,150.04	133.78
23 81 46 00-0006	EA		24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,305.93	144.93
23 81 46 00-0007	EA		30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,716.86	156.08
23 81 46 00-0008	EA		36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,775.59	167.22
23 81 46 00-0009	EA		42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,028.65	178.38
23 81 46 00-0010	EA		48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,233.13	189.52
23 81 46 00-0011	EA		60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,285.78	200.67
23 81 49			Split System Heat Pumps (23 81)		
23 81 49 00-0001			Air Cooled, Outdoor Section (23 81 49)		
23 81 49 00-0002	EA		1.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	1,834.74	130.84
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	327.77	
			<i>For Winterstart Control, Add</i>	85.28	
			<i>For 16 SEER, Add</i>	474.58	
			<i>For 18 SEER, Add</i>	720.06	
23 81 49 00-0003	EA		2 Ton, 14 SEER, Outdoor Heat Pump Unit.....	1,888.67	145.38
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	338.70	
			<i>For Winterstart Control, Add</i>	88.76	
			<i>For 16 SEER, Add</i>	483.83	
			<i>For 18 SEER, Add</i>	734.09	
23 81 49 00-0004	EA		2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	2,060.28	168.73
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	370.69	
			<i>For Winterstart Control, Add</i>	97.74	
			<i>For 16 SEER, Add</i>	523.38	
			<i>For 18 SEER, Add</i>	794.09	
23 81 49 00-0005	EA		3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	2,245.84	193.84
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	307.68	
			<i>For Winterstart Control, Add</i>	107.46	
			<i>For 16 SEER, Add</i>	566.12	
			<i>For 18 SEER, Add</i>	858.94	
23 81 49 00-0006	EA		3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	2,316.51	201.33
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	317.63	
			<i>For Winterstart Control, Add</i>	110.96	
			<i>For 16 SEER, Add</i>	583.34	
			<i>For 18 SEER, Add</i>	885.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0007	EA		4 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add For 16 SEER, Add For 18 SEER, Add	2,575.09 351.96 122.83 650.96 987.66	231.29
23 81 49 00-0008	EA		5 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add For 16 SEER, Add For 18 SEER, Add	2,934.77 219.43 62.06 745.68 1,131.38	254.42
23 81 49 00-0009	EA		7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	5,992.62 380.85 96.47	284.26
23 81 49 00-0010	EA		10 Ton, 11.1 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	8,396.73 202.62 127.89	341.11
23 81 49 00-0011	EA		15 Ton, 10.9 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	11,153.33 222.39 162.58	397.96
23 81 49 00-0012	EA		20 Ton, 10.3 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	15,637.08 232.85 211.18	426.39
23 81 49 00-0013			Indoor Section, Horizontal Upflow (23 81 49) Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0014	EA		2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	1,011.79 96.81	43.46
23 81 49 00-0015	EA		2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	1,098.10 104.40	54.13
23 81 49 00-0016	EA		3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	1,120.81 105.53	65.38
23 81 49 00-0017	EA		3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	1,544.13 146.75	76.55
23 81 49 00-0018	EA		4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	1,563.69 147.73	86.29
23 81 49 00-0019	EA		5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	1,725.30 162.63	99.09
23 81 49 00-0020	EA		7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	3,821.89 365.95	162.44
23 81 49 00-0021	EA		10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	5,797.65 561.49	182.73
23 81 49 00-0022	EA		15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat..... For Additional 5 KW Electric Heat, Add	8,286.45 808.34	203.04
23 81 49 00-0023	EA		20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	9,381.05 913.74	243.65
23 81 49 00-0024			Ductless Split System Heat Pumps (23 81 49) Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 00-0030 for accessories.		
23 81 49 00-0025			Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0024)		
23 81 49 00-0026	EA		9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,685.72	134.01
23 81 49 00-0027	EA		11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,860.01	146.19
23 81 49 00-0028	EA		17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,303.82	162.44
23 81 49 00-0029	EA		24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,666.69	178.68
23 81 49 00-0030	EA		25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,938.92	194.92
23 81 49 00-0031	EA		29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,624.94	203.04
23 81 49 00-0032	EA		31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,090.05	216.45
23 81 49 00-0033			Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0024) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034	EA		7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	675.09	64.97
23 81 49 00-0035	EA		9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	708.82	69.04
23 81 49 00-0036	EA		11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	743.33	73.09
23 81 49 00-0037	EA		17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	860.39	77.16
23 81 49 00-0038	EA		24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	917.69	81.21

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0039 EA 19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,264.59	97.46
23 81 49 00-0040 EA 23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,709.33	105.59
23 81 49 00-0041 EA 30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	4,558.60	113.71
23 81 49 00-0042 Suspended Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0024) Note: Excludes hangers.		
23 81 49 00-0043 EA 24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,248.60	194.92
23 81 49 00-0044 EA 31,500 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,152.57	232.69
23 81 49 00-0045 EA 39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,323.57	243.65
23 81 49 00-0046 Recessed Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0024) Note: Excludes hangers.		
23 81 49 00-0047 EA 11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,735.33	162.44
23 81 49 00-0048 EA 17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,109.19	178.68
23 81 49 00-0049 EA 24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,171.31	211.16
23 81 49 00-0050 EA 32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,838.18	232.69
23 81 49 00-0051 EA 39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,166.37	243.65
23 82 Convection Heating And Cooling Units (23 80)		
23 82 16 Air Coils (23 82)		
23 82 16 00-0001 Chilled Water Cooling Coils (23 82 16) Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 00-0002 2 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0003 EA 12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	548.88	27.87
23 82 16 00-0004 EA 12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	902.69	37.90
23 82 16 00-0005 EA 24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,223.82	59.64
23 82 16 00-0006 EA 24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,493.10	85.29
23 82 16 00-0007 EA 30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,599.95	104.79
23 82 16 00-0008 EA 30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,800.31	127.09
23 82 16 00-0009 EA 30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,940.93	147.16
23 82 16 00-0010 EA 30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,113.05	259.98
23 82 16 00-0011 EA 34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,263.49	98.83
23 82 16 00-0012 EA 34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,652.60	168.28
23 82 16 00-0013 EA 34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,853.59	209.03
23 82 16 00-0014 EA 34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,061.97	252.45
23 82 16 00-0015 EA 34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,265.25	293.98
23 82 16 00-0016 4 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0017 EA 12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	685.59	57.97
23 82 16 00-0018 EA 12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,096.51	83.61
23 82 16 00-0019 EA 24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,512.55	139.35
23 82 16 00-0020 EA 24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,874.52	206.80
23 82 16 00-0021 EA 30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,177.16	253.62
23 82 16 00-0022 EA 30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,593.49	309.93
23 82 16 00-0023 EA 30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,907.18	371.79
23 82 16 00-0024 EA 30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,889.64	432.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0025 EA 34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,759.18	186.79
23 82 16 00-0026 EA 34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,272.71	280.94
23 82 16 00-0027 EA 34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,535.77	348.39
23 82 16 00-0028 EA 34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,863.68	419.73
23 82 16 00-0029 EA 34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,161.80	490.69
23 82 16 00-0030 6 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0031 EA 12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	962.92	73.58
23 82 16 00-0032 EA 12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,148.72	109.26
23 82 16 00-0033 EA 24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,586.46	186.18
23 82 16 00-0034 EA 24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,170.90	278.71
23 82 16 00-0035 EA 30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,841.75	348.39
23 82 16 00-0036 EA 30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,249.30	428.66
23 82 16 00-0037 EA 30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,784.87	506.69
23 82 16 00-0038 EA 30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,672.16	590.47
23 82 16 00-0039 EA 34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,215.77	255.24
23 82 16 00-0040 EA 34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,871.27	382.84
23 82 16 00-0041 EA 34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,263.54	479.38
23 82 16 00-0042 EA 34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,642.99	575.87
23 82 16 00-0043 EA 34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,023.54	669.96
23 82 16 00-0044 8 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0045 EA 12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,201.98	88.63
23 82 16 00-0046 EA 12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,486.76	136.01
23 82 16 00-0047 EA 24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,240.55	242.48
23 82 16 00-0048 EA 24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,002.09	371.79
23 82 16 00-0049 EA 30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,615.00	464.88
23 82 16 00-0050 EA 30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,208.91	557.42
23 82 16 00-0051 EA 30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,826.31	619.29
23 82 16 00-0052 EA 30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,239.24	718.34
23 82 16 00-0053 EA 34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,540.61	311.04
23 82 16 00-0054 EA 34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,304.04	467.62
23 82 16 00-0055 EA 34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,759.65	582.50
23 82 16 00-0056 EA 34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,196.27	696.77
23 82 16 00-0057 EA 34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,658.53	819.74
23 82 16 00-0058 Direct Expansion Cooling Coils (23 82 16)		
Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 00-0059 2 Row Direct Expansion Cooling Coils (23 82 16 00-0058)		
23 82 16 00-0060 EA 12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	467.26	41.81
For 10 Fins Per Inch, Add	7.67	
For 12 Fins Per Inch, Add	19.17	
23 82 16 00-0061 EA 12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	881.81	57.42
For 10 Fins Per Inch, Add	15.34	
For 12 Fins Per Inch, Add	38.34	
23 82 16 00-0062 EA 24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,223.82	90.30
For 10 Fins Per Inch, Add	20.88	
For 12 Fins Per Inch, Add	52.20	
23 82 16 00-0063 EA 24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,493.10	129.88
For 10 Fins Per Inch, Add	24.68	
For 12 Fins Per Inch, Add	61.69	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0064	EA		30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,742.19	158.86
			For 10 Fins Per Inch, Add	28.47	
			For 12 Fins Per Inch, Add	71.18	
23 82 16 00-0065	EA		30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,959.93	192.31
			For 10 Fins Per Inch, Add	31.51	
			For 12 Fins Per Inch, Add	78.78	
23 82 16 00-0066	EA		30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,249.24	222.96
			For 10 Fins Per Inch, Add	36.07	
			For 12 Fins Per Inch, Add	90.17	
23 82 16 00-0067	EA		30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,805.74	259.98
			For 10 Fins Per Inch, Add	45.72	
			For 12 Fins Per Inch, Add	114.29	
23 82 16 00-0068	EA		34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,076.45	98.83
			For 10 Fins Per Inch, Add	17.58	
			For 12 Fins Per Inch, Add	43.94	
23 82 16 00-0069	EA		34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,421.65	168.28
			For 10 Fins Per Inch, Add	21.70	
			For 12 Fins Per Inch, Add	54.25	
23 82 16 00-0070	EA		34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,788.73	252.45
			For 10 Fins Per Inch, Add	25.68	
			For 12 Fins Per Inch, Add	64.19	
23 82 16 00-0071	EA		34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,970.87	293.98
			For 10 Fins Per Inch, Add	27.66	
			For 12 Fins Per Inch, Add	69.14	
23 82 16 00-0072			4 Row Direct Expansion Cooling Coils (23 82 16 00-0068)		
23 82 16 00-0073	EA		12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	767.22	57.97
			For 10 Fins Per Inch, Add	13.02	
			For 12 Fins Per Inch, Add	32.55	
23 82 16 00-0074	EA		12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,096.51	83.61
			For 10 Fins Per Inch, Add	18.60	
			For 12 Fins Per Inch, Add	46.51	
23 82 16 00-0075	EA		24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,512.55	139.35
			For 10 Fins Per Inch, Add	24.68	
			For 12 Fins Per Inch, Add	61.69	
23 82 16 00-0076	EA		24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,874.52	206.80
			For 10 Fins Per Inch, Add	29.23	
			For 12 Fins Per Inch, Add	73.08	
23 82 16 00-0077	EA		30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,177.16	253.62
			For 10 Fins Per Inch, Add	33.41	
			For 12 Fins Per Inch, Add	83.52	
23 82 16 00-0078	EA		30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,593.49	309.93
			For 10 Fins Per Inch, Add	39.48	
			For 12 Fins Per Inch, Add	98.71	
23 82 16 00-0079	EA		30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,907.18	371.79
			For 10 Fins Per Inch, Add	43.28	
			For 12 Fins Per Inch, Add	108.20	
23 82 16 00-0080	EA		30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,889.64	432.78
			For 10 Fins Per Inch, Add	40.48	
			For 12 Fins Per Inch, Add	101.20	
23 82 16 00-0081	EA		34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,759.18	186.79
			For 10 Fins Per Inch, Add	27.71	
			For 12 Fins Per Inch, Add	69.28	
23 82 16 00-0082	EA		34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,272.71	280.94
			For 10 Fins Per Inch, Add	34.22	
			For 12 Fins Per Inch, Add	85.54	
23 82 16 00-0083	EA		34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,481.30	494.15
			For 10 Fins Per Inch, Add	49.86	
			For 12 Fins Per Inch, Add	124.65	
23 82 16 00-0084	EA		34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,993.05	575.87
			For 10 Fins Per Inch, Add	56.83	
			For 12 Fins Per Inch, Add	142.07	
23 82 16 00-0085			6 Row Direct Expansion Cooling Coils (23 82 16 00-0068)		
23 82 16 00-0086	EA		12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	981.90	73.02
			For 10 Fins Per Inch, Add	16.70	
			For 12 Fins Per Inch, Add	41.76	
23 82 16 00-0087	EA		12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,148.72	109.26
			For 10 Fins Per Inch, Add	18.60	
			For 12 Fins Per Inch, Add	46.51	
23 82 16 00-0088	EA		24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,681.37	186.18
			For 10 Fins Per Inch, Add	26.20	
			For 12 Fins Per Inch, Add	65.49	
23 82 16 00-0089	EA		24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,170.90	278.71
			For 10 Fins Per Inch, Add	32.27	
			For 12 Fins Per Inch, Add	80.67	
23 82 16 00-0090	EA		30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,841.75	348.39
			For 10 Fins Per Inch, Add	42.90	
			For 12 Fins Per Inch, Add	107.25	
23 82 16 00-0091	EA		30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,249.30	428.66
			For 10 Fins Per Inch, Add	47.83	
			For 12 Fins Per Inch, Add	119.59	
23 82 16 00-0092	EA		30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,784.87	506.69
			For 10 Fins Per Inch, Add	55.43	
			For 12 Fins Per Inch, Add	138.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0093	EA		30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,672.16	590.47
			For 10 Fins Per Inch, Add	49.82	
			For 12 Fins Per Inch, Add	124.56	
23 82 16 00-0094	EA		34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,215.77	255.24
			For 10 Fins Per Inch, Add	34.11	
			For 12 Fins Per Inch, Add	85.27	
23 82 16 00-0095	EA		34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,871.27	382.84
			For 10 Fins Per Inch, Add	42.11	
			For 12 Fins Per Inch, Add	105.28	
23 82 16 00-0096	EA		34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,633.55	571.13
			For 10 Fins Per Inch, Add	49.83	
			For 12 Fins Per Inch, Add	124.57	
23 82 16 00-0097	EA		34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,023.54	669.96
			For 10 Fins Per Inch, Add	53.67	
			For 12 Fins Per Inch, Add	134.18	
23 82 16 00-0098 8 Row Direct Expansion Cooling Coils (23 82 16 00-0098)					
23 82 16 00-0099	EA		12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,220.96	88.07
			For 10 Fins Per Inch, Add	20.88	
			For 12 Fins Per Inch, Add	52.20	
23 82 16 00-0100	EA		12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,486.76	136.01
			For 10 Fins Per Inch, Add	24.30	
			For 12 Fins Per Inch, Add	60.74	
23 82 16 00-0101	EA		24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,240.55	242.48
			For 10 Fins Per Inch, Add	35.12	
			For 12 Fins Per Inch, Add	87.79	
23 82 16 00-0102	EA		24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,002.09	371.79
			For 10 Fins Per Inch, Add	45.18	
			For 12 Fins Per Inch, Add	112.94	
23 82 16 00-0103	EA		30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,615.00	464.88
			For 10 Fins Per Inch, Add	53.72	
			For 12 Fins Per Inch, Add	134.30	
23 82 16 00-0104	EA		30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,208.91	557.42
			For 10 Fins Per Inch, Add	61.88	
			For 12 Fins Per Inch, Add	154.70	
23 82 16 00-0105	EA		30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,826.31	619.29
			For 10 Fins Per Inch, Add	71.75	
			For 12 Fins Per Inch, Add	179.38	
23 82 16 00-0106	EA		30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,239.24	718.34
			For 10 Fins Per Inch, Add	56.05	
			For 12 Fins Per Inch, Add	140.13	
23 82 16 00-0107	EA		34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,540.61	311.04
			For 10 Fins Per Inch, Add	38.37	
			For 12 Fins Per Inch, Add	95.92	
23 82 16 00-0108	EA		34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,304.04	467.62
			For 10 Fins Per Inch, Add	47.38	
			For 12 Fins Per Inch, Add	118.44	
23 82 16 00-0109	EA		34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,210.34	703.79
			For 10 Fins Per Inch, Add	56.05	
			For 12 Fins Per Inch, Add	140.14	
23 82 16 00-0110	EA		34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,658.53	819.74
			For 10 Fins Per Inch, Add	60.38	
			For 12 Fins Per Inch, Add	150.95	
23 82 16 00-0111 Hot Water Heating Coils (23 82 16)					
Note: Flanged construction.					
23 82 16 00-0112 1 Row Hot Water Heating Coils (23 82 16 00-0112)					
23 82 16 00-0113	EA		12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction.....	568.26	75.25
			For 10 Fins Per Inch, Add	8.35	
			For 12 Fins Per Inch, Add	20.88	
			For 230 PSIG Heavy Duty, Add	128.72	
23 82 16 00-0114	EA		12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction.....	837.60	96.43
			For 10 Fins Per Inch, Add	12.91	
			For 12 Fins Per Inch, Add	32.27	
			For 230 PSIG Heavy Duty, Add	186.74	
23 82 16 00-0115	EA		24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,024.72	132.66
			For 10 Fins Per Inch, Add	15.19	
			For 12 Fins Per Inch, Add	37.96	
			For 230 PSIG Heavy Duty, Add	231.49	
23 82 16 00-0116	EA		24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,225.80	186.18
			For 10 Fins Per Inch, Add	17.08	
			For 12 Fins Per Inch, Add	42.71	
			For 230 PSIG Heavy Duty, Add	282.32	
23 82 16 00-0117	EA		30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,395.04	222.96
			For 10 Fins Per Inch, Add	18.98	
			For 12 Fins Per Inch, Add	47.46	
			For 230 PSIG Heavy Duty, Add	323.60	
23 82 16 00-0118	EA		30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,639.40	278.71
			For 10 Fins Per Inch, Add	21.64	
			For 12 Fins Per Inch, Add	54.10	
			For 230 PSIG Heavy Duty, Add	383.62	
23 82 16 00-0119	EA		30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,834.20	309.36
			For 10 Fins Per Inch, Add	24.30	
			For 12 Fins Per Inch, Add	60.74	
			For 230 PSIG Heavy Duty, Add	428.78	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82	16 00-0120	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,261.92 30.80 76.99 524.59	359.70
23 82	16 00-0121	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	976.61 13.30 33.24 226.50	155.85
23 82	16 00-0122	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,464.89 19.95 49.86 339.74	233.84
23 82	16 00-0123	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,203.28 29.92 74.80 511.39	353.68
23 82	16 00-0124	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,564.93 34.90 87.26 594.96	409.87
23 82	16 00-0125	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	117.67 1.53 3.82 27.66	20.62
23 82 16 00-0126 2 Row Hot Water Heating Coils (23 82 16 00-0111)					
23 82	16 00-0127	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	907.13 14.43 36.07 200.01	93.09
23 82	16 00-0128	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	988.04 14.81 37.02 222.38	123.75
23 82	16 00-0129	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,339.70 19.36 48.40 305.10	186.18
23 82	16 00-0130	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,631.83 22.02 55.05 379.45	265.33
23 82	16 00-0131	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,889.62 24.68 61.69 443.50	327.76
23 82	16 00-0132	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,030.16 24.68 61.69 485.66	398.00
23 82	16 00-0133	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,295.74 27.33 68.34 552.05	464.88
23 82	16 00-0134	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,812.63 34.65 86.62 670.55	540.14
23 82	16 00-0135	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,214.01 14.96 37.40 289.41	233.06
23 82	16 00-0136	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	1,822.19 22.44 56.10 434.47	350.12
23 82	16 00-0137	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	2,738.58 33.66 84.14 653.29	527.88
23 82	16 00-0138	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i> <i>For 230 PSIG Heavy Duty, Add</i>	3,196.59 39.27 98.17 762.64	616.61
23 82 16 00-0139 Steam Heating Coils (23 82 16)					
Note: Flanged construction.					
23 82	16 00-0140	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	635.69 211.55 553.35	52.40
23 82	16 00-0141	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	714.25 243.23 633.66	72.46
23 82	16 00-0142	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	961.60 340.33 880.76	129.88



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains multiple rows of HVAC equipment specifications and costs.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 82 16 00-0203	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,130.16	67.01
23 82 16 00-0204	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,314.91	76.75
23 82 16 00-0205	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,594.47	76.75
23 82 16 00-0206	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,726.71	89.33
23 82 16 00-0207	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,387.98	89.33

23 82 19 Fan Coil Units (23 82)**23 82 19 00-0001****Ceiling Suspended Horizontal Fan Coil Units (23 82 19)**

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0002**Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)**

23 82 19 00-0003	EA	200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,146.20	90.30
23 82 19 00-0004	EA	300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,258.67	105.35
23 82 19 00-0005	EA	400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,392.66	118.73
23 82 19 00-0006	EA	600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,616.45	136.01
23 82 19 00-0007	EA	800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,819.48	142.70
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-86.44	
23 82 19 00-0008	EA	1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,507.20	151.06
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-87.60	
23 82 19 00-0009	EA	1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,059.00	163.88
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-89.59	

23 82 19 00-0010**Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)**

23 82 19 00-0011	EA	200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	605.23	90.30
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-43.99	
23 82 19 00-0012	EA	300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	739.76	105.35
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-45.52	
23 82 19 00-0013	EA	400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	882.16	118.73
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-46.86	
23 82 19 00-0014	EA	600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,742.50	136.01
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-48.60	
23 82 19 00-0015	EA	800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,966.54	143.25
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-86.44	
23 82 19 00-0016	EA	1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,717.28	151.06
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-87.60	
23 82 19 00-0017	EA	1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,458.16	163.88
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-89.59	

23 82 19 00-0018**Floor Mounted Vertical Fan Coil Units (23 82 19)**

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0019**Vertical Fan Coil Units With Electric Heating Coil (23 82 19 00-0018)**

23 82 19 00-0020	EA	200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,104.18	89.74
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-147.65	
		<i>For Thru-Wall Sleeve, Add</i>	90.96	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-43.99	
23 82 19 00-0021	EA	300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,260.77	105.35
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-168.08	
		<i>For Thru-Wall Sleeve, Add</i>	97.07	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-45.52	
23 82 19 00-0022	EA	400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,497.71	118.73
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-200.94	
		<i>For Thru-Wall Sleeve, Add</i>	102.44	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-46.86	
23 82 19 00-0023	EA	600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,721.49	136.01
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-231.03	
		<i>For Thru-Wall Sleeve, Add</i>	109.38	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-48.60	
23 82 19 00-0024	EA	800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,945.53	143.25
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-263.24	
		<i>For Thru-Wall Sleeve, Add</i>	112.17	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-86.44	
23 82 19 00-0025	EA	1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,507.20	151.06
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-345.95	
		<i>For Thru-Wall Sleeve, Add</i>	115.26	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-87.60	
23 82 19 00-0026	EA	1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,953.96	163.88
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-410.30	
		<i>For Thru-Wall Sleeve, Add</i>	120.58	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-89.59	

23 82 19 00-0027**Vertical Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0018)**

23 82 19 00-0028	EA	200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,230.23	89.74
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-166.55	
		<i>For Thru-Wall Sleeve, Add</i>	90.96	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-43.99	
23 82 19 00-0029	EA	300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,386.82	105.35
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-186.99	
		<i>For Thru-Wall Sleeve, Add</i>	97.07	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-45.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0030 EA 400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,707.79 -232.45 102.44 -46.86	118.73
23 82 19 00-0031 EA 600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,952.59 -265.70 109.38 -48.60	136.01
23 82 19 00-0032 EA 800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,176.62 -297.91 112.17 -86.44	143.25
23 82 19 00-0033 EA 1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,612.24 -361.71 115.26 -87.60	151.06
23 82 19 00-0034 EA 1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,059.00 -426.06 120.58 -89.59	163.88
23 82 19 00-0035 Removal And Reinstallation Of Fan Coil Units (23 82 19) Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0036 EA Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	237.00	
23 82 23 Unit Ventilators (23 82)		
23 82 23 00-0001 Horizontal, Package Self-Contained Classroom Unit Ventilator (23 82 23) Note: Horizontal unit ventilator, 4 row / 144 FPF changeover coil (or DX coil), 120 volt/80 Hz/1 phase power supply, standard motor, no disconnect, tracer ZN 520 standalone DDC controller, face and bypass damper control, modulating return/outside air damper and actuator with exhaust output, unit sensor, external setpoint, timed override/cancel and 2-speed fan switch, fresh air ducted upper back, return air bar grille bottom, standard access panel with safety chain, double deflection grille discharge, 1" throwaway filters, baked enamel finish, double wall insulation. Excludes disconnect, piping package (control valves, ball stop valves, unions).		
23 82 23 00-0002 EA 750 CFM, 2 Ton, Horizontal, Package Self-Contained Classroom Unit Ventilator	6,130.44	181.15
23 82 23 00-0003 EA 1,000 CFM, 2-1/2 Ton, Horizontal, Package Self-Contained Classroom Unit Ventilator.....	8,180.26	203.80
23 82 23 00-0004 EA 1,250 CFM, 3 Ton, Horizontal, Package Self-Contained Classroom Unit Ventilator.....	8,839.18	226.44
23 82 23 00-0005 EA 1,500 CFM, 4 Ton, Horizontal, Package Self-Contained Classroom Unit Ventilator.....	9,543.40	271.73
23 82 23 00-0006 EA 2,000 CFM, 5 Ton, Horizontal, Package Self-Contained Classroom Unit Ventilator.....	10,349.87	317.02
23 82 29 Radiators (23 82)		
23 82 29 00-0001 Demolish Cast Iron Radiators (23 82 29)		
23 82 29 00-0002 LF Demolish Cast Iron Radiator.....	13.55	
23 82 29 00-0003 EA Cap Radiator.....	26.25	
23 82 29 00-0004 Cast Iron Radiator (23 82 29)		
23 82 29 00-0005 EA 19" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	32.29 22.14	
23 82 29 00-0006 EA 25" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	46.96 22.87	
23 82 29 00-0007 EA 30" High Cast Iron Radiator Section, Free Standing.....	55.05	
23 82 29 00-0008 EA 36" High Cast Iron Radiator Section, Free Standing.....	70.08	
23 82 29 00-0009 EA 20" High Cast Iron Radiator Section, Recessed With Grille.....	44.05	
23 82 29 00-0010 Radiator Covers (23 82 29) Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011 SF 14 Gauge Stainless Steel Radiator Cover	70.39	2.21
23 82 29 00-0012 SF Galvanized Steel Radiator Cover..... Note: Primed and painted.	42.89	2.21
23 82 29 00-0013 Radiator Shields (23 82 29)		
23 82 29 00-0014 SF Stainless Steel Radiator Shield.....	45.00	2.21
23 82 29 00-0015 SF Galvanized Steel Radiator Shield	18.73	2.21
Note: Primed and painted.		
23 82 29 00-0016 Remove And Reinstall Radiator (23 82 29) Note: Includes storage and cleaning.		
23 82 29 00-0017 LF Removal And Reinstallation Of Cast Iron Radiator.....	41.81	
23 82 29 00-0018 LF Removal And Reinstallation Of Electric Radiator.....	27.87	
23 82 33 Convectors (23 82)		
23 82 33 00-0001 Multi-Fin Convectors For Two-Pipe System (23 82 33) Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002 20" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0003	EA		20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	330.67	61.32
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	33.87	
			<i>For Snap-On Inlet Grille, Add</i>	28.58	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	83.22	
23 82 33 00-0004	EA		20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	391.95	66.89
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	36.41	
			<i>For Snap-On Inlet Grille, Add</i>	30.27	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	101.71	
23 82 33 00-0005	EA		20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	450.06	79.15
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	41.95	
			<i>For Snap-On Inlet Grille, Add</i>	33.97	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	115.58	
23 82 33 00-0006	EA		20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	540.09	91.98
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	47.80	
			<i>For Snap-On Inlet Grille, Add</i>	37.87	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	140.26	
23 82 33 00-0007	EA		20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	643.75	110.37
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	56.16	
			<i>For Snap-On Inlet Grille, Add</i>	43.44	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	166.80	
23 82 33 00-0008	EA		20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	725.45	121.40
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	61.17	
			<i>For Snap-On Inlet Grille, Add</i>	46.78	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	189.54	
23 82 33 00-0009	EA		20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	840.26	147.16
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	72.87	
			<i>For Snap-On Inlet Grille, Add</i>	54.58	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	216.08	
23 82 33 00-0010	EA		20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	919.19	156.36
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	77.05	
			<i>For Snap-On Inlet Grille, Add</i>	57.37	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	238.82	
23 82 33 00-0011	EA		20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,001.19	174.75
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	85.40	
			<i>For Snap-On Inlet Grille, Add</i>	62.94	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	257.78	
23 82 33 00-0012	EA		20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,104.91	193.14
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	93.77	
			<i>For Snap-On Inlet Grille, Add</i>	68.52	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	284.32	
23 82 33 00-0013	EA		20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,186.91	211.54
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	102.13	
			<i>For Snap-On Inlet Grille, Add</i>	74.09	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	303.27	
23 82 33 00-0014			26" High Multi-Fin Convectors For Two-Pipe System <small>(23 82 33 00-0001)</small>		
23 82 33 00-0015	EA		26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	385.16	80.66
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	42.29	
			<i>For Snap-On Inlet Grille, Add</i>	34.19	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	92.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0016 EA 26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	452.69	93.71
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	48.14	
For Snap-On Inlet Grille, Add	38.09	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	109.28	
23 82 33 00-0017 EA 26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	549.19	110.04
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	55.48	
For Snap-On Inlet Grille, Add	42.98	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	134.49	
23 82 33 00-0018 EA 26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	646.54	122.69
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	61.16	
For Snap-On Inlet Grille, Add	46.77	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	161.94	
23 82 33 00-0019 EA 26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	756.97	137.96
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	68.03	
For Snap-On Inlet Grille, Add	51.35	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	192.58	
23 82 33 00-0020 EA 26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	849.29	149.45
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	73.21	
For Snap-On Inlet Grille, Add	54.81	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	218.84	
23 82 33 00-0021 EA 26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	968.48	170.29
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	82.71	
For Snap-On Inlet Grille, Add	61.14	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	249.48	
23 82 33 00-0022 EA 26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,058.93	180.71
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	87.33	
For Snap-On Inlet Grille, Add	64.22	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	275.74	
23 82 33 00-0023 EA 26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,145.59	197.04
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	94.58	
For Snap-On Inlet Grille, Add	69.05	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	297.62	
23 82 33 00-0024 EA 26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,257.50	213.05
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	101.89	
For Snap-On Inlet Grille, Add	73.92	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	328.26	
23 82 33 00-0025 EA 26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,341.96	227.70
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	108.47	
For Snap-On Inlet Grille, Add	78.31	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	350.14	
23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0027 EA 32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	439.17	98.10
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	50.57	
For Snap-On Inlet Grille, Add	39.71	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	101.71	
23 82 33 00-0028 EA 32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	523.25	118.73
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	59.94	
For Snap-On Inlet Grille, Add	45.96	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	120.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	632.88	138.80
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	69.06	
		<i>For Snap-On Inlet Grille, Add</i>	52.04	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	147.94	
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	737.47	150.84
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	74.56	
		<i>For Snap-On Inlet Grille, Add</i>	55.70	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	178.13	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	851.97	162.99
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	80.02	
		<i>For Snap-On Inlet Grille, Add</i>	59.35	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	211.83	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	952.45	174.75
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	85.40	
		<i>For Snap-On Inlet Grille, Add</i>	62.94	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	240.72	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,071.15	189.46
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	92.13	
		<i>For Snap-On Inlet Grille, Add</i>	67.42	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	274.42	
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,172.19	201.62
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	97.68	
		<i>For Snap-On Inlet Grille, Add</i>	71.12	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	303.31	
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,261.04	215.22
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	103.70	
		<i>For Snap-On Inlet Grille, Add</i>	75.13	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	327.38	
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,377.36	228.10
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	109.71	
		<i>For Snap-On Inlet Grille, Add</i>	79.14	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	361.08	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,462.58	239.13
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	114.65	
		<i>For Snap-On Inlet Grille, Add</i>	82.43	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	385.15	

23 82 33 00-0038 Electric Convectors, Floor Standing Units (23 82 33)**23 82 33 00-0039 4" Deep Electric Convectors (23 82 33 00-0038)**

23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	397.44	43.62
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	447.53	43.62

23 82 33 00-0042 6" Deep Electric Convectors (23 82 33 00-0038)

23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	470.64	43.62
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	547.70	43.62
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	615.13	43.62
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	721.09	43.62

23 82 36 Finned-Tube Radiation Heaters (23 82)**23 82 36 00-0001 Electric Baseboard Heating (23 82 36)**

Note: Includes 24 gauge steel enclosure and heating element

23 82 36 00-0002 Electric Wall Heating 10" Enclosure (23 82 36 00-0001)

23 82 36 00-0003	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	65.66	24.23
23 82 36 00-0004	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	67.97	24.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0005 Electric Wall Heating 16" Enclosure <small>(23 82 36 00-0001)</small>		
23 82 36 00-0006 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	88.77	24.23
23 82 36 00-0007 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	94.55	24.23
23 82 36 00-0008 Finned Tube Baseboard Units <small>(23 82 36)</small>		
Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009 3/4" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0010 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	197.64	21.74
For 90 Degree Corner, Add	31.04	
For Valve Enclosure, Add	31.04	
For Filler Piece, Add	24.04	
For End Cap, Add	21.67	
For Copper Tube With Aluminum Fins, Add	5.09	
23 82 36 00-0011 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	265.38	32.89
For 90 Degree Corner, Add	35.34	
For Valve Enclosure, Add	35.34	
For Filler Piece, Add	28.34	
For End Cap, Add	24.47	
For Copper Tube With Aluminum Fins, Add	7.63	
23 82 36 00-0012 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	324.27	43.48
For 90 Degree Corner, Add	37.87	
For Valve Enclosure, Add	37.87	
For Filler Piece, Add	30.87	
For End Cap, Add	26.12	
For Copper Tube With Aluminum Fins, Add	10.17	
23 82 36 00-0013 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	403.85	60.87
For 90 Degree Corner, Add	44.78	
For Valve Enclosure, Add	44.78	
For Filler Piece, Add	37.78	
For End Cap, Add	30.61	
For Copper Tube With Aluminum Fins, Add	12.65	
23 82 36 00-0014 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	482.75	73.13
For 90 Degree Corner, Add	51.80	
For Valve Enclosure, Add	51.80	
For Filler Piece, Add	44.80	
For End Cap, Add	35.17	
For Copper Tube With Aluminum Fins, Add	15.06	
23 82 36 00-0015 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	551.44	78.04
For 90 Degree Corner, Add	54.59	
For Valve Enclosure, Add	54.59	
For Filler Piece, Add	47.59	
For End Cap, Add	36.98	
For Copper Tube With Aluminum Fins, Add	18.07	
23 82 36 00-0016 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	607.72	86.23
For 90 Degree Corner, Add	59.28	
For Valve Enclosure, Add	59.28	
For Filler Piece, Add	52.28	
For End Cap, Add	40.03	
For Copper Tube With Aluminum Fins, Add	19.87	
23 82 36 00-0017 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	694.79	97.55
For 90 Degree Corner, Add	65.74	
For Valve Enclosure, Add	65.74	
For Filler Piece, Add	58.74	
For End Cap, Add	44.23	
For Copper Tube With Aluminum Fins, Add	22.88	
23 82 36 00-0018 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	766.48	107.31
For 90 Degree Corner, Add	71.32	
For Valve Enclosure, Add	71.32	
For Filler Piece, Add	64.32	
For End Cap, Add	47.86	
For Copper Tube With Aluminum Fins, Add	25.29	
23 82 36 00-0019 1" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0020 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	237.27	21.74
For 90 Degree Corner, Add	31.04	
For Valve Enclosure, Add	31.04	
For Filler Piece, Add	24.04	
For End Cap, Add	21.67	
For Copper Tube With Aluminum Fins, Add	7.26	
23 82 36 00-0021 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	324.83	32.89
For 90 Degree Corner, Add	35.34	
For Valve Enclosure, Add	35.34	
For Filler Piece, Add	28.34	
For End Cap, Add	24.47	
For Copper Tube With Aluminum Fins, Add	10.90	
23 82 36 00-0022 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	403.53	43.48
For 90 Degree Corner, Add	37.87	
For Valve Enclosure, Add	37.87	
For Filler Piece, Add	30.87	
For End Cap, Add	26.12	
For Copper Tube With Aluminum Fins, Add	14.53	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0023	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	502.46	60.87
			For 90 Degree Corner, Add	44.79	
			For Valve Enclosure, Add	44.79	
			For Filler Piece, Add	37.79	
			For End Cap, Add	30.62	
			For Copper Tube With Aluminum Fins, Add	18.07	
23 82 36 00-0024	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	599.99	73.13
			For 90 Degree Corner, Add	51.79	
			For Valve Enclosure, Add	51.79	
			For Filler Piece, Add	44.79	
			For End Cap, Add	35.16	
			For Copper Tube With Aluminum Fins, Add	21.51	
23 82 36 00-0025	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	692.23	78.04
			For 90 Degree Corner, Add	54.59	
			For Valve Enclosure, Add	54.59	
			For Filler Piece, Add	47.59	
			For End Cap, Add	36.98	
			For Copper Tube With Aluminum Fins, Add	25.81	
23 82 36 00-0026	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	762.40	86.23
			For 90 Degree Corner, Add	59.24	
			For Valve Enclosure, Add	59.24	
			For Filler Piece, Add	52.24	
			For End Cap, Add	40.01	
			For Copper Tube With Aluminum Fins, Add	28.39	
23 82 36 00-0027	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	873.12	97.55
			For 90 Degree Corner, Add	65.74	
			For Valve Enclosure, Add	65.74	
			For Filler Piece, Add	58.74	
			For End Cap, Add	44.23	
			For Copper Tube With Aluminum Fins, Add	32.69	
23 82 36 00-0028	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	963.25	107.31
			For 90 Degree Corner, Add	71.25	
			For Valve Enclosure, Add	71.25	
			For Filler Piece, Add	64.25	
			For End Cap, Add	47.82	
			For Copper Tube With Aluminum Fins, Add	36.13	
23 82 36 00-0029			1-1/4" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0030	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	276.90	21.74
			For 90 Degree Corner, Add	31.04	
			For Valve Enclosure, Add	31.04	
			For Filler Piece, Add	24.04	
			For End Cap, Add	21.67	
			For Copper Tube With Aluminum Fins, Add	9.44	
23 82 36 00-0031	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	384.27	32.89
			For 90 Degree Corner, Add	35.34	
			For Valve Enclosure, Add	35.34	
			For Filler Piece, Add	28.34	
			For End Cap, Add	24.47	
			For Copper Tube With Aluminum Fins, Add	14.17	
23 82 36 00-0032	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	482.78	43.48
			For 90 Degree Corner, Add	37.87	
			For Valve Enclosure, Add	37.87	
			For Filler Piece, Add	30.87	
			For End Cap, Add	26.12	
			For Copper Tube With Aluminum Fins, Add	18.89	
23 82 36 00-0033	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	601.00	60.87
			For 90 Degree Corner, Add	44.79	
			For Valve Enclosure, Add	44.79	
			For Filler Piece, Add	37.79	
			For End Cap, Add	30.62	
			For Copper Tube With Aluminum Fins, Add	23.49	
23 82 36 00-0034	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	717.30	73.13
			For 90 Degree Corner, Add	51.79	
			For Valve Enclosure, Add	51.79	
			For Filler Piece, Add	44.79	
			For End Cap, Add	35.16	
			For Copper Tube With Aluminum Fins, Add	27.96	
23 82 36 00-0035	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	833.01	78.04
			For 90 Degree Corner, Add	54.59	
			For Valve Enclosure, Add	54.59	
			For Filler Piece, Add	47.59	
			For End Cap, Add	36.98	
			For Copper Tube With Aluminum Fins, Add	33.55	
23 82 36 00-0036	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	917.25	86.23
			For 90 Degree Corner, Add	59.24	
			For Valve Enclosure, Add	59.24	
			For Filler Piece, Add	52.24	
			For End Cap, Add	40.01	
			For Copper Tube With Aluminum Fins, Add	36.91	
23 82 36 00-0037	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,051.44	97.55
			For 90 Degree Corner, Add	65.74	
			For Valve Enclosure, Add	65.74	
			For Filler Piece, Add	58.74	
			For End Cap, Add	44.23	
			For Copper Tube With Aluminum Fins, Add	42.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0038 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,160.34	107.31
For 90 Degree Corner, Add	71.25	
For Valve Enclosure, Add	71.25	
For Filler Piece, Add	64.25	
For End Cap, Add	47.82	
For Copper Tube With Aluminum Fins, Add	46.97	
23 82 39 Unit Heaters (23 82)		
23 82 39 13 Cabinet Unit Heaters (23 82 39)		
23 82 39 13-0001 Electric Cabinet Unit Heaters (23 82 39 13)		
Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.		
23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0003 EA 2 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,215.87	55.07
Note: Wall or floor mounted.		
23 82 39 13-0004 EA 3 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,234.35	55.07
Note: Wall or floor mounted.		
23 82 39 13-0005 EA 4 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,252.83	55.07
Note: Wall or floor mounted.		
23 82 39 13-0006 EA 5 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,271.30	55.07
Note: Wall or floor mounted.		
23 82 39 13-0007 EA 6 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,289.78	55.07
Note: Wall or floor mounted.		
23 82 39 13-0008 EA 7 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,308.26	55.07
Note: Wall or floor mounted.		
23 82 39 13-0009 EA 8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,327.48	55.07
23 82 39 13-0010 EA For Ceiling Installation of 35" Cabinet Unit Heater, Add	73.57	36.57
23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0012 EA 4 KW, 500 CFM, 45" Electric Cabinet Unit Heater	2,337.68	66.08
Note: Wall or floor mounted.		
23 82 39 13-0013 EA 6 KW, 500 CFM, 45" Electric Cabinet Unit Heater	2,374.64	66.08
Note: Wall or floor mounted.		
23 82 39 13-0014 EA 8 KW, 500 CFM, 45" Electric Cabinet Unit Heater	2,411.59	66.08
Note: Wall or floor mounted.		
23 82 39 13-0015 EA 10 KW, 500 CFM, 45" Electric Cabinet Unit Heater	2,448.55	66.08
Note: Wall or floor mounted.		
23 82 39 13-0016 EA 12 KW, 500 CFM, 45" Electric Cabinet Unit Heater	2,485.50	66.08
Note: Wall or floor mounted.		
23 82 39 13-0017 EA 14 KW, 500 CFM, 45" Electric Cabinet Unit Heater	2,522.46	66.08
Note: Wall or floor mounted.		
23 82 39 13-0018 EA 16 KW, 500 CFM, 45" Electric Cabinet Unit Heater	2,559.41	66.08
Note: Wall or floor mounted.		
23 82 39 13-0019 EA For Ceiling Installation of 45" Cabinet Unit Heater, Add	88.11	44.05
23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0021 EA 6 KW, 750 CFM, 58" Electric Cabinet Unit Heater	2,923.51	88.11
Note: Wall or floor mounted.		
23 82 39 13-0022 EA 8 KW, 750 CFM, 58" Electric Cabinet Unit Heater	2,960.46	88.11
Note: Wall or floor mounted.		
23 82 39 13-0023 EA 10 KW, 750 CFM, 58" Electric Cabinet Unit Heater	2,997.43	88.11
Note: Wall or floor mounted.		
23 82 39 13-0024 EA 12 KW, 750 CFM, 58" Electric Cabinet Unit Heater	3,034.37	88.11
Note: Wall or floor mounted.		
23 82 39 13-0025 EA 14 KW, 750 CFM, 58" Electric Cabinet Unit Heater	3,071.34	88.11
Note: Wall or floor mounted.		
23 82 39 13-0026 EA 16 KW, 750 CFM, 58" Electric Cabinet Unit Heater	3,108.29	88.11
Note: Wall or floor mounted.		
23 82 39 13-0027 EA For Ceiling Installation of 58" Cabinet Unit Heater, Add	110.13	55.07
23 82 39 13-0028 Electric Cabinet Unit Heaters, 68" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0029 EA 6 KW, 750 CFM, 68" Electric Cabinet Unit Heater	3,435.44	110.13
Note: Wall or floor mounted.		
23 82 39 13-0030 EA 9 KW, 750 CFM, 68" Electric Cabinet Unit Heater	3,490.87	110.13
Note: Wall or floor mounted.		
23 82 39 13-0031 EA 12 KW, 750 CFM, 68" Electric Cabinet Unit Heater	3,546.30	110.13
Note: Wall or floor mounted.		
23 82 39 13-0032 EA 15 KW, 750 CFM, 68" Electric Cabinet Unit Heater	3,601.73	110.13
Note: Wall or floor mounted.		
23 82 39 13-0033 EA 18 KW, 750 CFM, 68" Electric Cabinet Unit Heater	3,657.18	110.13
Note: Wall or floor mounted.		
23 82 39 13-0034 EA 21 KW, 750 CFM, 68" Electric Cabinet Unit Heater	3,712.61	110.13
Note: Wall or floor mounted.		
23 82 39 13-0035 EA 24 KW, 750 CFM, 68" Electric Cabinet Unit Heater	3,768.04	110.13
Note: Wall or floor mounted.		
23 82 39 13-0036 EA For Ceiling Installation of 68" Cabinet Unit Heater, Add	147.15	73.57
23 82 39 13-0037 Electric Cabinet Unit Heaters, 78" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0038 EA 8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater	4,021.25	132.16
Note: Wall or floor mounted.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0039	EA		12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,095.17	132.16
23 82 39 13-0040	EA		16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,169.08	132.16
23 82 39 13-0041	EA		20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,242.99	132.16
23 82 39 13-0042	EA		24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,316.90	132.16
23 82 39 13-0043	EA		28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,390.81	132.16
23 82 39 13-0044	EA		32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,464.72	132.16
23 82 39 13-0045	EA		For Ceiling Installation of 78" Cabinet Unit Heater, Add.....	176.22	88.11
23 82 39 13-0046			Removal and Reinstallation of Cabinet Unit Heaters <small>(23 82 39 13)</small> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA		Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall.....	153.29	
23 82 39 13-0048	EA		Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	264.78	
23 82 39 13-0049	EA		Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	316.05	
23 82 39 13-0050	EA		Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	427.54	
23 82 39 16			Propeller Unit Heaters <small>(23 82 39)</small>		
23 82 39 16-0001			Removal and Reinstallation of Propeller Unit Heaters <small>(23 82 39 16)</small> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 16-0002	EA		Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	334.45	
23 82 39 16-0003	EA		Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	445.94	
23 82 39 19			Wall and Ceiling Unit Heaters <small>(23 82 39)</small>		
23 82 39 19-0001			Electric Unit Heaters <small>(23 82 39 19)</small> Note: May be mounted both vertically and horizontally.		
23 82 39 19-0002	EA		3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	581.37	44.05
23 82 39 19-0003	EA		5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	581.37	44.05
23 82 39 19-0004	EA		7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	789.08	55.07
23 82 39 19-0005	EA		10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	898.31	66.08
23 82 39 19-0006	EA		15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,329.91	88.11
23 82 39 19-0007	EA		20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt.....	1,979.15	110.13
23 82 39 19-0008	EA		30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	2,777.43	132.16
23 82 39 19-0009	EA		50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,149.61	154.20
23 82 39 19-0010	EA		3 KW, 350 CFM Electric Unit Heater - 480 Volt	741.72	44.05
23 82 39 19-0011	EA		5 KW, 350 CFM Electric Unit Heater - 480 Volt	710.42	44.05
23 82 39 19-0012	EA		7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	834.91	55.07
23 82 39 19-0013	EA		10 KW, 650 CFM Electric Unit Heater - 480 Volt	957.93	66.08
23 82 39 19-0014	EA		15 KW, 910 CFM Electric Unit Heater - 480 Volt	1,449.16	88.11
23 82 39 19-0015			Electric Ceiling and Wall Heaters <small>(23 82 39 19)</small> Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.		
23 82 39 19-0016	EA		1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	221.01	25.11
23 82 39 19-0017	EA		1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	250.91	30.84
23 82 39 19-0018	EA		3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater.....	436.86	30.84
23 82 39 19-0019	EA		1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	257.15	27.54
23 82 39 19-0020	EA		1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	317.91	30.84
23 82 39 19-0021	EA		3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	503.87	30.84
23 82 39 19-0022	EA		1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater.....	337.98	36.34
23 82 39 19-0023	EA		3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater.....	678.47	38.55
23 82 39 19-0024	EA		4,800/3,600 Watt Recessed Electric Ceiling Heater	771.47	38.55
23 82 39 19-0025	EA		4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	902.15	40.75
23 82 39 19-0026	EA		5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	983.81	40.75
23 82 39 19-0027	EA		1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	386.29	36.34
23 82 39 19-0028	EA		3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	754.56	38.55
23 82 39 19-0029	EA		4,800/3,600 Watt Surface Mounted Electric Ceiling Heater.....	847.57	38.55
23 82 39 19-0030			Removal And Reinstallation Of Electric Unit Heaters <small>(23 82 39 19)</small> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 19-0031	EA		Removal And Reinstallation Of Up To 15KW Electric Unit Heater.....	200.68	
23 82 39 19-0032	EA		Removal And Reinstallation Of >15 KW Electric Unit Heater.....	412.54	

23 84 Humidity Control Equipment (23 80)**23 84 13 Humidifiers** (23 84)**23 84 13 00-0001 Steam Type Pneumatically Controlled** (23 84 13)

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Humidity Control Equipment	23 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 00-0002 EA 3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	1,109.14	147.16
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	340.17	
23 84 13 00-0003 EA 3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	1,109.14	147.16
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	340.17	
23 84 13 00-0004 EA 65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	1,612.96	147.16
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	491.32	
23 84 13 00-0005 EA 65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	1,668.71	183.95
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	509.90	
23 84 13 00-0006 EA 100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,441.39	147.16
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	739.85	
23 84 13 00-0007 EA 100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	2,497.14	183.95
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	758.43	
23 84 13 00-0008 EA 220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,791.55	183.95
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,146.76	
23 84 13 00-0009 EA 220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	3,861.23	230.22
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,169.98	
23 84 13 00-0010 Electric Steam Humidifiers, Self-Steam Producing (23 84 13)		
Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.		
23 84 13 00-0011 EA 1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	7,076.16	229.65
23 84 13 00-0012 EA 20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	8,991.10	230.22
23 84 13 00-0013 Residential Humidifiers (23 84 13)		
Note: Includes solenoid valve and flow through water supply.		
23 84 13 00-0014 EA Duct Or Furnace Mounted Humidifier, Residential Type.....	310.62	27.87
23 84 16 Mechanical Dehumidification Units (23 84)		
23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)		
23 84 16 16-0001 Mechanical Dehumidification Units (23 84 16 16)		
Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002 EA 65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	1,233.88	22.03
23 84 16 16-0003 EA 90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	1,556.15	25.69
23 84 16 16-0004 EA 120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	2,095.41	29.37
23 84 16 33 Portable Dehumidifiers (23 84 16)		
23 84 16 33-0001 Self Contained Free Standing Unit (23 84 16 33)		
Note: Sized by moisture removal per 24 hours.		
23 84 16 33-0002 EA 12 Pint/24 Hour Dehumidifier	430.70	47.60
23 84 16 33-0003 EA 15 Pint/24 Hour Dehumidifier.....	470.53	47.60
23 84 16 33-0004 EA 20 Pint/24 Hour Dehumidifier.....	542.22	47.60
23 84 16 33-0005 EA 30 Pint/24 Hour Dehumidifier.....	629.84	47.60
23 84 16 33-0006 EA 40 Pint/24 Hour Dehumidifier.....	669.67	47.60
23 84 16 33-0007 EA 65 Pint/24 Hour Dehumidifier.....	747.03	47.60

END OF SECTION 23

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 84 Humidity Control Equipment

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems (26)

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution (26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration (26 01 10)

26 01 10 91-0001	Retrofit Distribution Enclosures (26 01 10 91)	
	Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.	
26 01 10 91-0002	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	290.13
	Note: 2mm thick, aluminum frame, hinged cover.	
	For Up To 20, Add	64.55
	For >20 To 50, Add	51.64
	For >50 To 100, Add	25.82
26 01 10 91-0003	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	382.66
	Note: 2mm thick, aluminum frame, hinged cover.	
	For Up To 20, Add	87.68
	For >20 To 50, Add	70.14
	For >50 To 100, Add	35.07
26 01 10 91-0004	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	586.24
	Note: 4mm thick, aluminum frame, hinged cover.	
	For Up To 20, Add	138.57
	For >20 To 50, Add	110.86
	For >50 To 100, Add	55.43
26 01 10 91-0005	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO)	287.49
	Note: 2mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	63.89
	For >20 To 50, Add	51.11
	For >50 To 100, Add	25.55
26 01 10 91-0006	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	289.12
	Note: 2mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	64.29
	For >20 To 50, Add	51.43
	For >50 To 100, Add	25.72
26 01 10 91-0007	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	375.13
	Note: 2mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	85.80
	For >20 To 50, Add	68.64
	For >50 To 100, Add	34.32
26 01 10 91-0008	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	569.51
	Note: 4mm thick, aluminum frame, twist cover.	
	For Up To 20, Add	134.39
	For >20 To 50, Add	107.51
	For >50 To 100, Add	53.76
26 01 10 91-0009	EA 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VVPR)	223.50
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	For Up To 20, Add	47.89
	For >20 To 50, Add	38.31
	For >50 To 100, Add	19.16
26 01 10 91-0010	EA 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VVPR)	323.44
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	For Up To 20, Add	72.87
	For >20 To 50, Add	58.30
	For >50 To 100, Add	29.15
26 01 10 91-0011	EA 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VVPR)	469.18
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
	For Up To 20, Add	109.31
	For >20 To 50, Add	87.45
	For >50 To 100, Add	43.72
26 01 10 91-0012	EA 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	425.94
	Note: 4mm thick, aluminum frame, magnetic cover.	
	For Up To 20, Add	98.50
	For >20 To 50, Add	78.80
	For >50 To 100, Add	39.40
26 01 10 91-0013	EA 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	593.14
	Note: 4mm thick, aluminum frame, magnetic cover.	
	For Up To 20, Add	140.30
	For >20 To 50, Add	112.24
	For >50 To 100, Add	56.12
26 01 10 91-0014	EA 4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,103.84
	Note: 4mm thick, aluminum frame, magnetic cover.	
	For Up To 20, Add	267.97
	For >20 To 50, Add	214.38
	For >50 To 100, Add	107.19

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution**
 MINOR
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 UNIT COST UNIT COST

26 01 10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	492.40	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	115.11	
		For >20 To 50, Add	92.09	
		For >50 To 100, Add	46.05	
26 01 10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	734.50	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	175.64	
		For >20 To 50, Add	140.51	
		For >50 To 100, Add	70.26	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution ^(26 01)
26 01 20 91 Low-Voltage Electrical Distribution Restoration ^(26 01 20)

26 01 20 91-0001		Lock Out/Tag Out Devices ^(26 01 20 91) Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.		
26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect	12.79	
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	12.79	
26 01 20 91-0004	EA	Lock Out/Tag Out Tags.....	1.86	
26 01 20 91-0005		Existing Circuit Tracing ^(26 01 20 91)		
26 01 20 91-0006	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	10.63	
26 01 20 91-0007	EA	Lighting, Existing Circuit Tracing Per Circuit.....	10.63	

26 01 50 Operation and Maintenance of Lighting ^(26 01)
26 01 50 51 Luminaire Relamping ^(26 01 50)

26 01 50 51-0001		Replace Lamps In Existing Fixtures ^(26 01 50 51) Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0129 for disposal of hazardous lamps.		
26 01 50 51-0002		Halogen Lamps ^(26 01 50 51-0001)		
26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	42.13	
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	56.23	
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	86.61	
26 01 50 51-0006	EA	60 Watt, PAR38, Halogen Lamp	16.82	
26 01 50 51-0007	EA	75 Watt, PAR38, Halogen Lamp	16.82	
26 01 50 51-0008	EA	90 Watt, PAR38, Halogen Lamp	15.56	
26 01 50 51-0009	EA	100 Watt, PAR38, Halogen Lamp	15.56	
26 01 50 51-0010		Incandescent Lamps ^(26 01 50 51-0001)		
26 01 50 51-0011	EA	100 Watt, Frosted, Interior Incandescent Lamp	3.29	
		For Multiple Lamps In Fixture, Deduct	-0.84	
26 01 50 51-0012	EA	150 Watt, Frosted, Interior Incandescent Lamp	4.92	
		For Multiple Lamps In Fixture, Deduct	-0.84	
26 01 50 51-0013	EA	200 Watt, Frosted, Interior Incandescent Lamp	6.71	
		For Multiple Lamps In Fixture, Deduct	-0.84	
26 01 50 51-0014	EA	300 Watt, PS25, Interior Incandescent Lamp	8.96	
		For Multiple Lamps In Fixture, Deduct	-0.84	
26 01 50 51-0015	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	5.93	
		For Multiple Lamps In Fixture, Deduct	-0.84	
26 01 50 51-0016	EA	75 Watt, R20, Interior Incandescent Lamp	10.60	
		For Multiple Lamps In Fixture, Deduct	-1.01	
26 01 50 51-0017	EA	75 Watt, PAR38, Exterior Incandescent Lamp	13.75	
		For Multiple Lamps In Fixture, Deduct	-1.01	
26 01 50 51-0018	EA	100 Watt, PAR38, Exterior Incandescent Lamp	12.49	
		For Multiple Lamps In Fixture, Deduct	-1.01	
26 01 50 51-0019	EA	150 Watt, PAR38, Exterior Incandescent Lamp	24.44	
		For Multiple Lamps In Fixture, Deduct	-1.01	
26 01 50 51-0020	EA	250 Watt, PAR38, Exterior Incandescent Lamp	53.89	
		For Multiple Lamps In Fixture, Deduct	-1.18	
26 01 50 51-0021	EA	300 Watt, PAR56, Exterior Incandescent Lamp	62.66	
		For Multiple Lamps In Fixture, Deduct	-1.18	
26 01 50 51-0022		Exit Light Lamps ^(26 01 50 51-0001)		
26 01 50 51-0023	EA	Convert Exit Light Lamps To Red LED Lamps	60.96	
		For Green LED Lamps, Add	25.00	
26 01 50 51-0024	EA	Fluorescent Lamp For Exit Light	18.13	
		For Multiple Lamps In Fixture, Deduct	-3.38	
26 01 50 51-0025	EA	Lamp Replacement For Emergency Lights On Exit Sign	33.72	
		For Multiple Lamps In Fixture, Deduct	-1.69	
26 01 50 51-0026		Fluorescent Lamps ^(26 01 50 51-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0027 EA 18", 15 Watt, T8 Fluorescent Lamp 5.78		
For Multiple Lamps In Fixture, Deduct	-1.35	
26 01 50 51-0028 EA 2', 17 Watt, T8 Fluorescent Lamp 7.24		
For Multiple Lamps In Fixture, Deduct	-1.35	
26 01 50 51-0029 EA 3', 25 Watt, T8 Fluorescent Lamp 8.34		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0030 EA 4', 32 Watt, T8 Fluorescent Lamp 7.34		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0031 EA 4', 30 Watt, T8 Fluorescent Lamp 10.85		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0032 EA 4', 28 Watt, T8 Fluorescent Lamp 9.32		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0033 EA 4', 25 Watt, T8 Fluorescent Lamp 9.26		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0034 EA 4', 44 Watt, T8HO Fluorescent Lamp 15.83		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0035 EA 8', 59 Watt, T8 Fluorescent Lamp 11.71		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0036 EA 18", 15 Watt, T12 Fluorescent Lamp 9.44		
For Multiple Lamps In Fixture, Deduct	-1.35	
26 01 50 51-0037 EA 2', 20 Watt, T12 Fluorescent Lamp 6.82		
For Multiple Lamps In Fixture, Deduct	-1.35	
26 01 50 51-0038 EA 3', 30 Watt, T12 Fluorescent Lamp 7.65		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0039 EA 4', 34 Watt, T12 Fluorescent Lamp 7.70		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0040 EA 4', 40 Watt, T12 Fluorescent Lamp 7.51		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0041 EA 8', 60 Watt, T12 Fluorescent Lamp 12.04		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0042 EA 8', 75 Watt, T12 Fluorescent Lamp 9.93		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0043 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp 9.58		
For Multiple Lamps In Fixture, Deduct	-1.35	
26 01 50 51-0044 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp 7.63		
For Multiple Lamps In Fixture, Deduct	-1.35	
26 01 50 51-0045 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp 7.33		
For Multiple Lamps In Fixture, Deduct	-1.35	
26 01 50 51-0046 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp 8.26		
For Multiple Lamps In Fixture, Deduct	-1.35	
26 01 50 51-0047 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp 14.21		
For Multiple Lamps In Fixture, Deduct	-1.69	
26 01 50 51-0048 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp 13.64		
For Multiple Lamps In Fixture, Deduct	-1.69	
26 01 50 51-0049 EA 6", 4 Watt, T5 Fluorescent Lamp 6.57		
For Multiple Lamps In Fixture, Deduct	-1.35	
26 01 50 51-0050 EA 9", 6 Watt, T5 Fluorescent Lamp 6.44		
For Multiple Lamps In Fixture, Deduct	-1.35	
26 01 50 51-0051 EA 12", 8 Watt, T5 Fluorescent Lamp 6.69		
For Multiple Lamps In Fixture, Deduct	-1.35	
26 01 50 51-0052 EA 21", 13 Watt, T5 Fluorescent Lamp 7.06		
For Multiple Lamps In Fixture, Deduct	-1.35	
26 01 50 51-0053 EA 24", 14 Watt, T5 Fluorescent Lamp 8.35		
For Multiple Lamps In Fixture, Deduct	-1.35	
26 01 50 51-0054 EA 34", 21 Watt, T5 Fluorescent Lamp 9.02		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0055 EA 46", 28 Watt, T5 Fluorescent Lamp 8.69		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0056 EA 46", 54 Watt T5HO Fluorescent Lamp 9.66		
For Multiple Lamps In Fixture, Deduct	-1.52	
26 01 50 51-0057 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp 5.42		
For Multiple Lamps In Fixture, Deduct	-0.84	
26 01 50 51-0058 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp 6.09		
For Multiple Lamps In Fixture, Deduct	-0.84	
26 01 50 51-0059 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp 13.45		
For Multiple Lamps In Fixture, Deduct	-0.84	
26 01 50 51-0060 Mercury Vapor Lamps (26 01 50 51-0001)		
26 01 50 51-0061 EA 100 Watt, Mercury Vapor Lamp 24.10		
26 01 50 51-0062 EA 175 Watt, Mercury Vapor Lamp 21.55		
26 01 50 51-0063 EA 250 Watt, Mercury Vapor Lamp 20.28		
26 01 50 51-0064 EA 400 Watt, Mercury Vapor Lamp 25.67		
26 01 50 51-0065 EA 1,000 Watt, Mercury Vapor Lamp 47.37		
26 01 50 51-0066 Metal Halide Lamps (26 01 50 51-0001)		
26 01 50 51-0067 EA 50 Watt, Pulse Start Metal Halide Lamp 22.89		
26 01 50 51-0068 EA 70 Watt, Pulse Start Metal Halide Lamp 22.89		
26 01 50 51-0069 EA 100 Watt, Pulse Start Metal Halide Lamp 26.94		
26 01 50 51-0070 EA 150 Watt, Pulse Start Metal Halide Lamp 30.01		
26 01 50 51-0071 EA 175 Watt, Probe Start Metal Halide Lamp 22.69		
26 01 50 51-0072 EA 175 Watt, Pulse Start Metal Halide Lamp 35.33		
26 01 50 51-0073 EA 250 Watt, Probe Start Metal Halide Lamp 22.16		
26 01 50 51-0074 EA 250 Watt, Pulse Start Metal Halide Lamp 25.23		
26 01 50 51-0075 EA 400 Watt, Probe Start Metal Halide Lamp 27.57		
26 01 50 51-0076 EA 400 Watt, Pulse Start Metal Halide Lamp 28.47		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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26 01 50 51-0077	EA	1,000 Watt, Probe Start Metal Halide Lamp.....	29.47
26 01 50 51-0078	EA	1,000 Watt, Pulse Start Metal Halide Lamp	45.00
26 01 50 51-0079	EA	1,500 Watt, Probe Start Metal Halide Lamp.....	38.99
26 01 50 51-0080 High Pressure Sodium Lamps (26 01 50 51-0001)			
26 01 50 51-0081	EA	35 Watt, High Pressure Sodium Lamp.....	19.78
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.30
26 01 50 51-0082	EA	50 Watt, High Pressure Sodium Lamp.....	19.78
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.30
26 01 50 51-0083	EA	70 Watt, High Pressure Sodium Lamp.....	20.29
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.30
26 01 50 51-0084	EA	100 Watt, High Pressure Sodium Lamp.....	21.27
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.30
26 01 50 51-0085	EA	150 Watt, High Pressure Sodium Lamp.....	20.29
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.30
26 01 50 51-0086	EA	250 Watt, High Pressure Sodium Lamp.....	20.29
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.30
26 01 50 51-0087	EA	400 Watt, High Pressure Sodium Lamp.....	18.84
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.30
26 01 50 51-0088	EA	1,000 Watt, High Pressure Sodium Lamp.....	47.23
26 01 50 51-0089 Low Pressure Sodium Lamps (26 01 50 51-0001)			
26 01 50 51-0090	EA	35 Watt, Low Pressure Sodium Lamp.....	55.07
26 01 50 51-0091	EA	55 Watt, Low Pressure Sodium Lamp.....	61.81
26 01 50 51-0092	EA	70 Watt, Low Pressure Sodium Lamp.....	63.32
26 01 50 51-0093	EA	90 Watt, Low Pressure Sodium Lamp.....	64.84
26 01 50 51-0094	EA	135 Watt, Low Pressure Sodium Lamp.....	70.91
26 01 50 51-0095	EA	180 Watt, Low Pressure Sodium Lamp.....	98.24
26 01 50 51-0096 LED Lamps (26 01 50 51-0001)			
26 01 50 51-0097	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star).....	8.41
26 01 50 51-0098	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	11.60
26 01 50 51-0099	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	11.60
26 01 50 51-0100	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	20.16
26 01 50 51-0101	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	13.76
26 01 50 51-0102	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	25.51
26 01 50 51-0103	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	15.50
26 01 50 51-0104	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	13.69
26 01 50 51-0105	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	18.50
26 01 50 51-0106	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	15.30
26 01 50 51-0107	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	20.64
26 01 50 51-0108	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	15.30
26 01 50 51-0109	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star).....	17.21
26 01 50 51-0110	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star).....	23.86
26 01 50 51-0111	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	23.86
26 01 50 51-0112	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	22.79
26 01 50 51-0113	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	21.72
26 01 50 51-0114	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	21.72
26 01 50 51-0115	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	43.33
26 01 50 51-0116	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	23.86
26 01 50 51-0117	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	22.79
26 01 50 51-0118	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star).....	23.86
26 01 50 51-0119	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	23.86
26 01 50 51-0120	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	11.55
26 01 50 51-0121	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	15.50
26 01 50 51-0122	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	17.21
26 01 50 51-0123 LED Tubes (Fluorescent Lamp Replacement) (26 01 50 51-0001)			
26 01 50 51-0124	EA	2', 1,250 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K).....	21.86
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.35
26 01 50 51-0125	EA	2', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K).....	28.85
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.35
26 01 50 51-0126	EA	3', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K).....	23.83
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.52
26 01 50 51-0127	EA	4', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K).....	25.86
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.52
26 01 50 51-0128	EA	4', 2,200 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K).....	28.48
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.52
26 01 50 51-0129 Recycle Hazardous Lamps (26 01 50 51)			
		Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 01 22 23 00-0001 for work over 14' to add appropriate aerial lift.	
26 01 50 51-0130	EA	Recycle 2' Length Linear Fluorescent Lamps	0.26
26 01 50 51-0131	EA	Recycle 3' Length Linear Fluorescent Lamps	0.39
26 01 50 51-0132	EA	Recycle 4' Length Linear Fluorescent Lamps	0.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0133 EA Recycle 6' Length Linear Fluorescent Lamps	0.77	
26 01 50 51-0134 EA Recycle 8' Length Linear Fluorescent Lamps	1.03	
26 01 50 51-0135 EA Recycle Compact Fluorescent Lamps	0.46	
26 01 50 51-0136 EA Recycle U-Shaped Or Circular Fluorescent Lamps	0.46	
26 01 50 51-0137 EA Recycle High Intensity Discharge (HID) Lamps	1.61	
26 01 50 52 Ballasts And Accessories (26 01 50)		
26 01 50 52-0001 Lighting Ballasts (26 01 50 52) Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 52-0002 Fluorescent Ballasts (26 01 50 52-0001)		
26 01 50 52-0003 T5 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0004 T5 Fluorescent Electronic Ballasts (26 01 50 52-0003) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0005 14 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0006 EA 1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	50.22	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
For High Ballast Factor, Add	2.81	
26 01 50 52-0007 EA 2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	52.78	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
For High Ballast Factor, Add	2.81	
26 01 50 52-0008 21 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0009 EA 1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	50.22	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
For High Ballast Factor, Add	2.81	
26 01 50 52-0010 EA 2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	52.78	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
For High Ballast Factor, Add	2.81	
26 01 50 52-0011 28 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0012 EA 1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	50.22	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
For High Ballast Factor, Add	2.81	
26 01 50 52-0013 EA 2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	52.78	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
For High Ballast Factor, Add	2.81	
26 01 50 52-0014 35 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0015 EA 1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	50.22	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0016 EA 2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	52.78	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0017 54 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0018 EA 1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	50.17	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0019 EA 2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	52.73	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0020 EA 3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	72.09	15.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 01 50 52-0021 EA 4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	74.64	17.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.37	
26 01 50 52-0022 High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0003) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0023 12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0024 EA 1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	42.25	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0025 EA 2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	44.81	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0026 24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0027 EA 1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	55.00	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0028 EA 2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	57.56	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0029 39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0030 EA 1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	55.00	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0031 EA 2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	57.56	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0032			54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0033	EA	1	Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	42.25	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 01 50 52-0034	EA	2	Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	44.81	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 01 50 52-0035			Dimming, T5 Fluorescent Electronic Ballasts (26 01 50 52-0003)		
26 01 50 52-0036			Step Dimming, T5 Fluorescent Electronic Ballasts (26 01 50 52-0035)		
			Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037			28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast (26 01 50 52-0036)		
26 01 50 52-0038	EA	2	Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast.....	63.56	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 01 50 52-0039			Dimming To 5%, T5 Fluorescent Electronic Ballasts (26 01 50 52-0035)		
			Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040			54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0039)		
26 01 50 52-0041	EA	1	Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	175.78	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 01 50 52-0042	EA	2	Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	173.53	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 01 50 52-0043			T8 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0044			T8 Fluorescent Electronic Ballasts (26 01 50 52-0043)		
			Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045			17 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0046	EA	1	Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	22.44	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
			<i>For High Ballast Factor, Add</i>	6.83	
26 01 50 52-0047	EA	1	Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	38.88	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
			<i>For High Ballast Factor, Add</i>	4.49	
26 01 50 52-0048	EA	2	Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	25.00	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
			<i>For High Ballast Factor, Add</i>	6.83	
26 01 50 52-0049	EA	2	Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	41.44	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
			<i>For High Ballast Factor, Add</i>	4.49	
26 01 50 52-0050	EA	3	Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	30.46	15.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
			<i>For High Ballast Factor, Add</i>	6.65	
26 01 50 52-0051	EA	3	Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	46.53	15.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
			<i>For High Ballast Factor, Add</i>	3.82	
26 01 50 52-0052	EA	4	Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	34.88	17.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37	
			<i>For High Ballast Factor, Add</i>	16.84	
26 01 50 52-0053	EA	4	Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	51.05	17.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37	
			<i>For High Ballast Factor, Add</i>	9.83	
26 01 50 52-0054			25 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0055	EA	1	Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	22.44	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
			<i>For High Ballast Factor, Add</i>	6.83	
26 01 50 52-0056	EA	1	Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	38.88	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
			<i>For High Ballast Factor, Add</i>	4.49	
26 01 50 52-0057	EA	2	Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	25.00	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
			<i>For High Ballast Factor, Add</i>	6.83	
26 01 50 52-0058	EA	2	Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	41.44	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
			<i>For High Ballast Factor, Add</i>	4.49	
26 01 50 52-0059	EA	3	Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	30.46	15.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
			<i>For High Ballast Factor, Add</i>	6.65	
26 01 50 52-0060	EA	3	Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	46.53	15.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
			<i>For High Ballast Factor, Add</i>	3.82	
26 01 50 52-0061	EA	4	Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	34.88	17.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37	
			<i>For High Ballast Factor, Add</i>	16.84	
26 01 50 52-0062	EA	4	Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	51.05	17.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37	
			<i>For High Ballast Factor, Add</i>	9.83	
26 01 50 52-0063			28 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0064 EA 1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	22.44	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
For High Ballast Factor, Add	6.83	
26 01 50 52-0065 EA 1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	38.88	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
For High Ballast Factor, Add	4.49	
26 01 50 52-0066 EA 2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	25.00	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
For High Ballast Factor, Add	6.83	
26 01 50 52-0067 EA 2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	41.44	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
For High Ballast Factor, Add	4.49	
26 01 50 52-0068 EA 3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	30.46	15.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
For High Ballast Factor, Add	6.65	
26 01 50 52-0069 EA 3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	46.53	15.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
For High Ballast Factor, Add	3.82	
26 01 50 52-0070 EA 4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	34.88	17.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.37	
For High Ballast Factor, Add	16.84	
26 01 50 52-0071 EA 4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	51.05	17.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.37	
For High Ballast Factor, Add	9.83	
26 01 50 52-0072 32 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0073 EA 1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	22.44	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
For High Ballast Factor, Add	6.83	
26 01 50 52-0074 EA 1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	38.88	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
For High Ballast Factor, Add	4.49	
26 01 50 52-0075 EA 2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	25.00	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
For High Ballast Factor, Add	6.83	
26 01 50 52-0076 EA 2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	41.44	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
For High Ballast Factor, Add	4.49	
26 01 50 52-0077 EA 3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	30.46	15.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
For High Ballast Factor, Add	6.65	
26 01 50 52-0078 EA 3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	46.53	15.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
For High Ballast Factor, Add	3.82	
26 01 50 52-0079 EA 4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	34.88	17.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.37	
For High Ballast Factor, Add	16.84	
26 01 50 52-0080 EA 4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	51.05	17.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.37	
For High Ballast Factor, Add	9.83	
26 01 50 52-0081 40 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0082 EA 1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	35.39	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
For High Ballast Factor, Add	2.92	
26 01 50 52-0083 EA 1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	38.88	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
For High Ballast Factor, Add	4.49	
26 01 50 52-0084 EA 2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	37.95	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
For High Ballast Factor, Add	2.92	
26 01 50 52-0085 EA 2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	41.44	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
For High Ballast Factor, Add	4.49	
26 01 50 52-0086 EA 3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	47.38	15.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
For High Ballast Factor, Add	1.80	
26 01 50 52-0087 EA 3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	46.53	15.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 01 50 52-0088 EA 4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	49.93	17.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.37	
For High Ballast Factor, Add	1.80	
26 01 50 52-0089 EA 4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	51.05	17.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.37	
26 01 50 52-0090 96 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0091 EA 1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	42.25	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
For High Ballast Factor, Add	6.26	
26 01 50 52-0092 EA 2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	44.81	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
For High Ballast Factor, Add	6.26	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0093 High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0043) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0094 48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0095 EA 1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	51.07	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0096 EA 1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	66.30	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0097 EA 2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	53.63	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0098 EA 2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	68.86	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0099 60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0100 EA 1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	51.07	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0101 EA 1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	66.30	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0102 EA 2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	53.63	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0103 EA 2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	68.86	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0104 72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0105 EA 1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	51.07	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0106 EA 1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	66.30	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0107 EA 2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	53.63	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0108 EA 2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	68.86	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0109 96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0110 EA 1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	51.07	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0111 EA 1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	66.30	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0112 EA 2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	53.63	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0113 EA 2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	68.86	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0114 Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0043)		
26 01 50 52-0115 Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0114) Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116 17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0115)		
26 01 50 52-0117 EA 1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	34.80	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0118 EA 2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	37.36	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0119 EA 3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	42.84	15.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 01 50 52-0120 EA 4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	51.87	17.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.37	
26 01 50 52-0121 EA 5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	80.23	20.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.14	
26 01 50 52-0122 EA 6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	82.79	23.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
26 01 50 52-0123 25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0115)		
26 01 50 52-0124 EA 1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	34.80	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 01 50 52-0125 EA 2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	37.36	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 01 50 52-0126 EA 3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	42.84	15.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 01 50 52-0127 EA 4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	51.87	17.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.37	
26 01 50 52-0128 EA 5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	80.23	20.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.14	
26 01 50 52-0129 EA 6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	82.79	23.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
26 01 50 52-0130 28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0115)		
26 01 50 52-0131 EA 1 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	34.80	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0172	EA		6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.66 6.91	23.03
26 01 50 52-0173			32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0151)</small>		
26 01 50 52-0174	EA		1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.80 3.07	10.23
26 01 50 52-0175	EA		2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.36 3.84	12.79
26 01 50 52-0176	EA		3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.55 4.61	15.36
26 01 50 52-0177	EA		4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.87 5.37	17.91
26 01 50 52-0178	EA		5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.10 6.14	20.47
26 01 50 52-0179	EA		6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.66 6.91	23.03
26 01 50 52-0180			40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0151)</small>		
26 01 50 52-0181	EA		1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.80 3.07	10.23
26 01 50 52-0182	EA		2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.36 3.84	12.79
26 01 50 52-0183	EA		3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.55 4.61	15.36
26 01 50 52-0184	EA		4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.87 5.37	17.91
26 01 50 52-0185	EA		5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.10 6.14	20.47
26 01 50 52-0186	EA		6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.66 6.91	23.03
26 01 50 52-0187			Dimming To 3%, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0114)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0188			17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0187)</small>		
26 01 50 52-0189	EA		1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.75 3.07	10.23
26 01 50 52-0190	EA		2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.31 3.84	12.79
26 01 50 52-0191	EA		3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.05 4.61	15.36
26 01 50 52-0192	EA		4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.60 5.37	17.91
26 01 50 52-0193			25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0187)</small>		
26 01 50 52-0194	EA		1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.75 3.07	10.23
26 01 50 52-0195	EA		2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.31 3.84	12.79
26 01 50 52-0196	EA		3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.05 4.61	15.36
26 01 50 52-0197	EA		4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.60 5.37	17.91
26 01 50 52-0198			28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0187)</small>		
26 01 50 52-0199	EA		1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.75 3.07	10.23
26 01 50 52-0200	EA		2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.31 3.84	12.79
26 01 50 52-0201	EA		3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.05 4.61	15.36
26 01 50 52-0202	EA		4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.60 5.37	17.91
26 01 50 52-0203			32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0187)</small>		
26 01 50 52-0204	EA		1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.75 3.07	10.23
26 01 50 52-0205	EA		2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.31 3.84	12.79
26 01 50 52-0206	EA		3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.05 4.61	15.36
26 01 50 52-0207	EA		4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.60 5.37	17.91
26 01 50 52-0208			T10 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0209			T10 Fluorescent Electronic Ballasts <small>(26 01 50 52-0208)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210			40 Watt, T10 Fluorescent Electronic Ballasts <small>(26 01 50 52-0209)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0211	EA	1	Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.46 3.07	10.23
26 01 50 52-0212	EA	2	Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.02 3.84	12.79
26 01 50 52-0213	EA	3	Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.70 4.61	15.36
26 01 50 52-0214			T12 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0215			T12 Fluorescent Electronic Ballasts (26 01 50 52-0214) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216			25 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0217	EA	1	Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.44 3.07	10.23
26 01 50 52-0218	EA	1	Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.46 3.07	10.23
26 01 50 52-0219	EA	2	Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.00 3.84	12.79
26 01 50 52-0220	EA	2	Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.02 3.84	12.79
26 01 50 52-0221	EA	3	Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.46 4.61	15.36
26 01 50 52-0222	EA	4	Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.88 5.37	17.91
26 01 50 52-0223			30 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0224	EA	1	Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.46 3.07	10.23
26 01 50 52-0225	EA	2	Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.02 3.84	12.79
26 01 50 52-0226	EA	3	Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.70 4.61	15.36
26 01 50 52-0227			34 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0228	EA	1	Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.46 3.07	10.23
26 01 50 52-0229	EA	2	Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.02 3.84	12.79
26 01 50 52-0230	EA	3	Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.70 4.61	15.36
26 01 50 52-0231			40 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0232	EA	1	Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.46 3.07	10.23
26 01 50 52-0233	EA	2	Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.02 3.84	12.79
26 01 50 52-0234	EA	3	Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.70 4.61	15.36
26 01 50 52-0235			96 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0236	EA	1	Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.27 3.07	10.23
26 01 50 52-0237	EA	2	Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.81 3.84	12.79
26 01 50 52-0238			High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0214) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239			48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)		
26 01 50 52-0240	EA	1	Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.23 3.07	10.23
26 01 50 52-0241	EA	2	Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.79 3.84	12.79
26 01 50 52-0242			60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)		
26 01 50 52-0243	EA	1	Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.23 3.07	10.23
26 01 50 52-0244	EA	2	Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.79 3.84	12.79
26 01 50 52-0245			72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)		
26 01 50 52-0246	EA	1	Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.23 3.07	10.23
26 01 50 52-0247	EA	2	Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.79 3.84	12.79

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0248			96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)		
26 01 50 52-0249	EA		2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast 51.23	51.23	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 3.07	3.07	
26 01 50 52-0250	EA		2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast 53.79	53.79	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 3.84	3.84	
26 01 50 52-0251			Emergency Fluorescent Ballasts (26 01 50 52-0002)		
			Note: 120/277 Volt.		
26 01 50 52-0252	EA		One Lamp, 350-450 Lumens, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100) 80.48	80.48	10.23
			<i>For Factory Installation In New Fixtures, Deduct</i> -20.47	-20.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.14	6.14	
26 01 50 52-0253	EA		Two Lamp, 600-700 Lumens, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60) 132.30	132.30	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i> -21.50	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.45	6.45	
26 01 50 52-0254	EA		One Or Two Lamp, 1,100-1,400 Lumens, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50) 164.33	164.33	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i> -21.50	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.45	6.45	
26 01 50 52-0255	EA		One Or Two Lamp, 600-700 Lumens, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A) 121.59	121.59	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i> -21.50	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.45	6.45	
26 01 50 52-0256	EA		Two Or Three Lamp, 2,700-3,400 Lumens, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33) 569.41	569.41	15.36
			<i>For Factory Installation In New Fixtures, Deduct</i> -22.52	-22.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.76	6.76	
26 01 50 52-0257	EA		One Lamp, 225-450 Lumens, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54) 166.67	166.67	10.23
			<i>For Factory Installation In New Fixtures, Deduct</i> -20.47	-20.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.14	6.14	
26 01 50 52-0258	EA		One Or Two Lamp, 325-1,000 Lumens, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG) 279.21	279.21	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i> -21.50	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.45	6.45	
26 01 50 52-0259	EA		One Or Two Lamp, 300-750 Lumens, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG) 153.78	153.78	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i> -21.50	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.45	6.45	
26 01 50 52-0260	EA		One Lamp, 200-625 Lumens, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413) 209.59	209.59	10.23
			<i>For Factory Installation In New Fixtures, Deduct</i> -20.47	-20.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.14	6.14	
26 01 50 52-0261	EA		One Lamp, 300-650 Lumens, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463) 162.58	162.58	10.23
			<i>For Factory Installation In New Fixtures, Deduct</i> -20.47	-20.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.14	6.14	
26 01 50 52-0262	EA		One Or Two Lamp, 450-950 Lumens, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426) 183.62	183.62	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i> -21.50	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.45	6.45	
26 01 50 52-0263	EA		One Or Two Lamp, 1,100-1,400 Lumens, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500) 198.68	198.68	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i> -21.50	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.45	6.45	
26 01 50 52-0264	EA		Two Lamp, 600-700 Lumens, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600) 167.26	167.26	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i> -21.50	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.45	6.45	
26 01 50 52-0265	EA		One Lamp, 600-700 Lumens, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700) 169.79	169.79	10.23
			<i>For Factory Installation In New Fixtures, Deduct</i> -20.47	-20.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.14	6.14	
26 01 50 52-0266	EA		One Lamp, 500-600 Lumens, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900) 148.01	148.01	10.23
			<i>For Factory Installation In New Fixtures, Deduct</i> -20.47	-20.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.14	6.14	
26 01 50 52-0267	EA		One Or Two Lamp, 300-750 Lumens, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C) 153.78	153.78	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i> -21.50	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.45	6.45	
26 01 50 52-0268	EA		One Lamp, 450 Lumens, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400) 150.36	150.36	10.23
			<i>For Factory Installation In New Fixtures, Deduct</i> -20.47	-20.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.14	6.14	
26 01 50 52-0269	EA		One Or Two Lamp, 1,100-1,400 Lumens, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST) 274.83	274.83	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i> -21.50	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.45	6.45	
26 01 50 52-0270	EA		One Or Two Lamp, 1,800-3,500 Lumens, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST) 343.54	343.54	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i> -21.50	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.45	6.45	
26 01 50 52-0271	EA		One Or Two Lamp, 1,450-3,500 Lumens, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT) 642.46	642.46	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i> -21.50	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.45	6.45	
26 01 50 52-0272	EA		One Or Two Lamp, 1,100-1,400 Lumens, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT) 446.42	446.42	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i> -21.50	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.45	6.45	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0273	EA		One Or Two Lamp, 1,100-3,100 Lumens, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48).....	227.25	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i>	-21.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 01 50 52-0274	EA		One Lamp, 1,050-3,200 Lumens, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1).....	294.44	10.23
			<i>For Factory Installation In New Fixtures, Deduct</i>	-20.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.14	
26 01 50 52-0275	EA		250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD).....	1,645.40	12.79
			<i>For Factory Installation In New Fixtures, Deduct</i>	-20.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.14	
26 01 50 52-0276			Compact Fluorescent Ballasts (26 01 50 52-0001)		
26 01 50 52-0277			Compact Fluorescent Electronic Ballasts (26 01 50 52-0276) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0278			18 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0277)		
26 01 50 52-0279	EA		1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	47.53	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 01 50 52-0280	EA		2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	50.09	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 01 50 52-0281			26 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0277)		
26 01 50 52-0282	EA		1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	47.53	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 01 50 52-0283	EA		2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	50.09	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 01 50 52-0284			32 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0277)		
26 01 50 52-0285	EA		1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	58.82	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 01 50 52-0286	EA		2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	61.38	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 01 50 52-0287			40 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0277)		
26 01 50 52-0288	EA		1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	46.18	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 01 50 52-0289	EA		1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	58.82	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 01 50 52-0290	EA		2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	86.67	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 01 50 52-0291	EA		2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	61.38	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 01 50 52-0292	EA		3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	102.45	15.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
26 01 50 52-0293			42 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0277)		
26 01 50 52-0294	EA		1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	58.82	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 01 50 52-0295	EA		2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	61.38	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 01 50 52-0296			55 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0277)		
26 01 50 52-0297	EA		1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	58.82	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 01 50 52-0298	EA		2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	61.38	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 01 50 52-0299			Dimming, Compact Fluorescent Electronic Ballasts (26 01 50 52-0276)		
26 01 50 52-0300			Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0299) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0301			18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0300)		
26 01 50 52-0302	EA		1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	87.69	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 01 50 52-0303	EA		2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	90.25	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 01 50 52-0304			26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0300)		
26 01 50 52-0305	EA		1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	87.69	10.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 01 50 52-0306	EA		2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	90.25	12.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0307			32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0300)</small>		
26 01 50 52-0308	EA	1	Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast .....87.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 3.07	87.69	10.23
26 01 50 52-0309	EA	2	Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast .....96.48 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 3.84	96.48	12.79
26 01 50 52-0310			40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0300)</small>		
26 01 50 52-0311	EA	2	Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast .....96.48 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 3.84	96.48	12.79
26 01 50 52-0312			42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0300)</small>		
26 01 50 52-0313	EA	1	Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast .....87.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 3.07	87.69	10.23
26 01 50 52-0314	EA	2	Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast .....96.48 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 3.84	96.48	12.79
26 01 50 52-0315			55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0300)</small>		
26 01 50 52-0316	EA	1	Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast .....139.93 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 3.07	139.93	10.23
26 01 50 52-0317	EA	2	Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast .....157.15 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 3.84	157.15	12.79
26 01 50 52-0318			High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0319			Magnetic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0318)</small>		
26 01 50 52-0320			Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0319)</small>		
26 01 50 52-0321			Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0320)</small>		
26 01 50 52-0322	EA	1	Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....96.66 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	96.66	12.79
26 01 50 52-0323	EA	1	Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....99.21 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	99.21	12.79
26 01 50 52-0324	EA	1	Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast .....99.21 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	99.21	12.79
26 01 50 52-0325	EA	1	Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....87.76 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	87.76	12.79
26 01 50 52-0326	EA	1	Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast .....87.76 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	87.76	12.79
26 01 50 52-0327	EA	1	Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....140.55 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	140.55	12.79
26 01 50 52-0328	EA	1	Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast .....140.55 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	140.55	12.79
26 01 50 52-0329	EA	1	Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....183.34 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	183.34	12.79
26 01 50 52-0330	EA	1	Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast .....205.18 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	205.18	12.79
26 01 50 52-0331			High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0320)</small>		
26 01 50 52-0332	EA	1	Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....86.60 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	86.60	12.79
26 01 50 52-0333	EA	1	Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....92.29 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	92.29	12.79
26 01 50 52-0334	EA	1	Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....89.83 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	89.83	12.79
26 01 50 52-0335	EA	1	Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....106.95 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	106.95	12.79
26 01 50 52-0336	EA	1	Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....104.50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	104.50	12.79
26 01 50 52-0337	EA	1	Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....120.38 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	120.38	12.79
26 01 50 52-0338	EA	1	Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....120.38 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	120.38	12.79
26 01 50 52-0339	EA	1	Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....146.80 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	146.80	12.79
26 01 50 52-0340	EA	1	Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....146.80 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	146.80	12.79
26 01 50 52-0341	EA	1	Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....239.49 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	239.49	12.79
26 01 50 52-0342	EA	1	Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....239.49 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.37	239.49	12.79
26 01 50 52-0343			Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0320)</small>		
26 01 50 52-0344	EA		Single Mounting Bracket For Core And Coil Type .....8.42 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 1.54	8.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0345 EA Double Mounting Bracket For Core And Coil Type <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.30 2.30	
26 01 50 52-0346 F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0319)</small>		
26 01 50 52-0347 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0346)</small>		
26 01 50 52-0348 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.71 10.68 5.37	12.79
26 01 50 52-0349 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.77 11.39 5.37	12.79
26 01 50 52-0350 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.36 10.15 5.37	12.79
26 01 50 52-0351 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.76 12.19 5.37	12.79
26 01 50 52-0352 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	196.92 17.90 5.37	12.79
26 01 50 52-0353 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0346)</small>		
26 01 50 52-0354 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.48 5.37	12.79
26 01 50 52-0355 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.49 5.37	12.79
26 01 50 52-0356 Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0319)</small>		
26 01 50 52-0357 Metal Halide, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0356)</small>		
26 01 50 52-0358 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	257.05 5.37	12.79
26 01 50 52-0359 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0356)</small>		
26 01 50 52-0360 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	400.07 5.37	12.79
26 01 50 52-0361 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	447.01 5.37	12.79
26 01 50 52-0362 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	430.77 5.37	12.79
26 01 50 52-0363 Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0319)</small>		
26 01 50 52-0364 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0363)</small>		
26 01 50 52-0365 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	318.19 5.37	12.79
26 01 50 52-0366 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	362.15 5.37	12.79
26 01 50 52-0367 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	480.70 5.37	12.79
26 01 50 52-0368 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	478.14 5.37	12.79
26 01 50 52-0369 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	672.47 5.68	13.82
26 01 50 52-0370 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	672.47 5.68	13.82
26 01 50 52-0371 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	460.70 5.37	12.79
26 01 50 52-0372 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	543.32 5.37	12.79
26 01 50 52-0373 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0363)</small>		
26 01 50 52-0374 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	600.13 5.37	12.79
26 01 50 52-0375 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	571.02 5.37	12.79
26 01 50 52-0376 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	736.10 5.37	12.79
26 01 50 52-0377 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	736.10 5.37	12.79
26 01 50 52-0378 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0319)</small>		
26 01 50 52-0379 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0378)</small>		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 52-0380	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 358.47	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0381	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 387.81	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0382	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 384.92	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0383	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 404.58	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0384	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 646.83	13.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68
26 01 50 52-0385	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 796.93	13.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68
26 01 50 52-0386	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 603.55	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0387	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 548.82	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0388		High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0378)</small>	
26 01 50 52-0389	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 464.93	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0390	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 501.94	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0391	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 753.18	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0392	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast 647.03	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0393		Electronic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0318)</small>	
26 01 50 52-0394		Electronic Low Frequency High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0393)</small>	
26 01 50 52-0395	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 138.78	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0396	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 138.78	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0397	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 157.33	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0398	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 417.23	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0399	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 417.23	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0400	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 417.23	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0401	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 417.23	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0402	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast 417.23	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0403		Owner Supplied Ballasts <small>(26 01 50 52-0001)</small>	
26 01 50 52-0404	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast 10.23	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07
26 01 50 52-0405	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast 12.79	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84
26 01 50 52-0406	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast 14.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.45
26 01 50 52-0407	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast 15.86	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.76
26 01 50 52-0408	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast 17.91	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37
26 01 50 52-0409	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast 18.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68
26 01 50 52-0410		Retrofit Lighting Fixtures <small>(26 01 50 52)</small>	
26 01 50 52-0411		Retrofit Existing (T12) Fluorescent Fixtures <small>(26 01 50 52-0410)</small>	
		Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0008 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0129 for hazardous lamp recycling.	
26 01 50 52-0412		Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector <small>(26 01 50 52-0411)</small>	
		Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.	
26 01 50 52-0413	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp 49.71	
		<i>For Specular Ballast Cover, Add</i>	6.36
26 01 50 52-0414	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps 54.61	
		<i>For Specular Ballast Cover, Add</i>	7.34
26 01 50 52-0415	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps 77.32	
		<i>For Specular Ballast Cover, Add</i>	11.88
26 01 50 52-0416	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps 90.54	
		<i>For Specular Ballast Cover, Add</i>	14.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0417 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector <small>(26 01 50 52-0417)</small>		
<i>Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.</i>		
26 01 50 52-0418 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp.....	53.05	
<i>For Specular Reflector, Add</i>		
	17.05	
26 01 50 52-0419 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	58.35	
<i>For Specular Reflector, Add</i>		
	17.05	
26 01 50 52-0420 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	81.99	
<i>For Specular Reflector, Add</i>		
	17.05	
26 01 50 52-0421 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps.....	104.07	
<i>For Specular Reflector, Add</i>		
	17.05	
26 01 50 52-0422 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures <small>(26 01 50 52-0411)</small>		
<i>Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.</i>		
26 01 50 52-0423 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps.....	66.86	
<i>For Specular Reflector, Add</i>		
	17.05	
26 01 50 52-0424 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	71.75	
<i>For Specular Reflector, Add</i>		
	17.05	
26 01 50 52-0425 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps.....	70.91	
<i>For Specular Reflector, Add</i>		
	17.05	
26 01 50 52-0426 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps.....	79.60	
<i>For Specular Reflector, Add</i>		
	17.05	
26 01 50 52-0427 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps.....	95.48	
<i>For Specular Reflector, Add</i>		
	17.05	
26 01 50 52-0428 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	75.76	
<i>For Specular Reflector, Add</i>		
	17.05	
26 01 50 52-0429 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps.....	84.21	
<i>For Specular Reflector, Add</i>		
	17.05	
26 01 50 52-0430 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps.....	91.65	
<i>For Specular Reflector, Add</i>		
	17.05	
26 01 50 52-0431 Retrofit Existing Recessed Lay-In/Troffer Fixtures <small>(26 01 50 52-0410)</small>		
26 01 50 52-0432 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) <small>(26 01 50 52-0431)</small>		
<i>Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0129 for disposal of hazardous lamps.</i>		
26 01 50 52-0433 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	149.53	
26 01 50 52-0434 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	149.53	
26 01 50 52-0435 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	149.53	
26 01 50 52-0436 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	166.54	
26 01 50 52-0437 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	149.53	
26 01 50 52-0438 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	149.53	
26 01 50 52-0439 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	149.53	
26 01 50 52-0440 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	166.54	
26 01 50 52-0441 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	149.94	
26 01 50 52-0442 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	149.94	
26 01 50 52-0443 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	149.94	
26 01 50 52-0444 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	166.95	
26 01 50 52-0445 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	149.94	
26 01 50 52-0446 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	149.94	
26 01 50 52-0447 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	149.94	
26 01 50 52-0448 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	166.95	
26 01 50 52-0449 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) <small>(26 01 50 52-0431)</small>		
<i>Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0129 for disposal of hazardous lamps.</i>		
26 01 50 52-0450 EA 2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025).....	231.24	
26 01 50 52-0451 EA 4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045).....	242.80	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 52-0452		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) <small>(26 01 50 52-0431)</small>	
		Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0129 for disposal of hazardous lamps.	
26 01 50 52-0453	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L).....	186.07
26 01 50 52-0454	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L).....	190.73
26 01 50 52-0455	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L).....	186.07
26 01 50 52-0456	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	190.73
26 01 50 52-0457	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L).....	214.02
26 01 50 52-0458	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	221.00
26 01 50 52-0459	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	237.31
26 01 50 52-0460		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) <small>(26 01 50 52-0431)</small>	
		Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0129 for disposal of hazardous lamps.	
26 01 50 52-0461	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST) (DLC Certified)	171.81
26 01 50 52-0462	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST) (DLC Certified)	178.31
26 01 50 52-0463	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST) (DLC Certified)	180.26
26 01 50 52-0464	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST) (DLC Certified)	186.75
26 01 50 52-0465	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST) (DLC Certified)	127.96
26 01 50 52-0466	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST) (DLC Certified)	131.04
26 01 50 52-0467	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST) (DLC Certified)	135.98
26 01 50 52-0468	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST) (DLC Certified)	139.07
26 01 50 52-0469	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST) (DLC Certified)	173.63
26 01 50 52-0470	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)(DLC Certified).....	208.19
26 01 50 52-0471		Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) <small>(26 01 50 52-0431)</small>	
		Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0129 for disposal of hazardous lamps.	
26 01 50 52-0472	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	138.50
26 01 50 52-0473	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	106.90
26 01 50 52-0474	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	142.18
26 01 50 52-0475	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	110.48
26 01 50 52-0476	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	149.36
26 01 50 52-0477	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	119.86
26 01 50 52-0478	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	167.67
26 01 50 52-0479	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	135.94
26 01 50 52-0480	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	171.16
26 01 50 52-0481	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	139.38
26 01 50 52-0482	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	178.34
26 01 50 52-0483	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	148.78
26 01 50 52-0484		LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) <small>(26 01 50 52-0431)</small>	
		Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0129 for disposal of hazardous lamps.	
26 01 50 52-0485	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	349.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 52-0486	EA		4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	389.23	
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26 01 50 53 Lens and Accessory Replacement (26 01 50)

26 01 50 53-0001	EA		Parabolic Aluminum Louver Replacement.....	57.53	
26 01 50 53-0002	EA		Visor For Fixtures	105.96	
26 01 50 53-0003	EA		Replace Globe On Pole	137.62	
26 01 50 53-0004	EA		Replace Lenses For Flat Top Pole Fixtures.....	49.30	
26 01 50 53-0005	EA		Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	15.59	
26 01 50 53-0006	EA		Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	16.46	
26 01 50 53-0007	EA		Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	20.19	
26 01 50 53-0008	EA		Replace Slide-On Lampholder.....	6.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1.54	
26 01 50 53-0009	EA		Replace Screw Mount Lampholder.....	6.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1.54	
26 01 50 53-0010	EA		Replace Medium Bi-Pin Lampholder	7.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1.54	
26 01 50 53-0011	EA		Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	9.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1.54	
26 01 50 53-0012	EA		Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	10.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1.54	
26 01 50 53-0013	EA		Replace Compact Twin-Tube Lampholder, Snap-in	7.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1.54	
26 01 50 53-0014	EA		Replace Exterior Light Globes.....	36.18	

26 05 Common Work Results For Electrical (26)

26 05 13 Medium-Voltage Cables (26 05)

26 05 13 00-0001 Wire And Cable (26 05 13)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 00-0002 5 KV Cable (26 05 13 00-0001)

26 05 13 00-0003 Pulled In Duct, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)

26 05 13 00-0004	MLF	#6 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	1,785.96	430.82
26 05 13 00-0005	MLF	#4 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,134.45	470.41
26 05 13 00-0006	MLF	#2 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,562.90	531.50
26 05 13 00-0007	MLF	#1/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,343.81	654.83
26 05 13 00-0008	MLF	#2/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,812.87	737.39
26 05 13 00-0009	MLF	#3/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,724.63	818.49
26 05 13 00-0010	MLF	#4/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,318.90	919.65
26 05 13 00-0011	MLF	250 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	6,349.56	1,023.15
26 05 13 00-0012	MLF	350 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,386.79	1,221.62
26 05 13 00-0013	MLF	500 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	9,366.82	1,435.98
26 05 13 00-0014	MLF	750 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	13,028.10	1,227.76
26 05 13 00-0015	MLF	1,000 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	19,012.54	1,948.82

26 05 13 00-0016 Direct Burial, Cross-Linked Polyethylene (XLP) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)

Note: Excludes excavation.

26 05 13 00-0017	MLF	#6 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	1,732.12	
26 05 13 00-0018	MLF	#4 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	1,981.58	
26 05 13 00-0019	MLF	#2 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,257.29	
26 05 13 00-0020	MLF	#1/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,831.12	
26 05 13 00-0021	MLF	#2/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,093.71	
26 05 13 00-0022	MLF	#3/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,903.67	
26 05 13 00-0023	MLF	#4/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,245.03	
26 05 13 00-0024	MLF	250 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,120.48	
26 05 13 00-0025	MLF	350 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,715.27	
26 05 13 00-0026	MLF	500 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,207.83	

26 05 13 00-0027 Aerial, Cross-Linked Polyethylene (XLP) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)

Note: Installed on poles.

26 05 13 00-0028	MLF	#6 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	1,414.73	265.80
26 05 13 00-0029	MLF	#4 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	1,715.27	285.00
26 05 13 00-0030	MLF	#2 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,191.10	360.41
26 05 13 00-0031	MLF	#1/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,868.52	437.52
26 05 13 00-0032	MLF	#2/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,333.15	513.61
26 05 13 00-0033	MLF	#3/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,238.03	587.37
26 05 13 00-0034	MLF	#4/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,829.34	681.51
26 05 13 00-0035	MLF	250 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,068.34	857.39
26 05 13 00-0036	MLF	350 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	7,213.27	1,084.86
26 05 13 00-0037	MLF	500 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	9,396.10	1,363.03

26 05 13 00-0038 5 KV Non-Shielded Single Copper Conductor (26 05 13 00-0002)

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 13 00-0039	MLF	1/0 5 KV Non-Shielded, Single Copper Conductor	3,918.42	858.57
26 05 13 00-0040	MLF	3/0 5 KV Non-Shielded, Single Copper Conductor	5,220.58	883.25
26 05 13 00-0041	MLF	4/0 5 KV Non-Shielded, Single Copper Conductor	5,446.48	902.77
26 05 13 00-0042	MLF	350 MCM 5 KV Non-Shielded, Single Copper Conductor.....	6,583.36	937.21
26 05 13 00-0043	MLF	500 MCM 5 KV Non-Shielded, Single Copper Conductor.....	9,543.47	982.21
26 05 13 00-0044	MLF	750 MCM 5 KV Non-Shielded, Single Copper Conductor.....	14,882.66	1,227.76
26 05 13 00-0045	MLF	1,000 MCM 5 KV Non-Shielded, Single Copper Conductor.....	17,087.11	1,637.03
26 05 13 00-0046 Placed In Duct, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)				
26 05 13 00-0047	MLF	#6 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	1,913.58	430.82
26 05 13 00-0048	MLF	#4 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	2,306.96	470.41
26 05 13 00-0049	MLF	#2 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	2,785.05	531.50
26 05 13 00-0050	MLF	#1 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	3,217.96	593.13
26 05 13 00-0051	MLF	#1/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	3,651.04	654.83
26 05 13 00-0052	MLF	#2/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	4,167.36	737.39
26 05 13 00-0053	MLF	#3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	5,206.74	818.49
26 05 13 00-0054	MLF	#4/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	5,862.45	919.65
26 05 13 00-0055	MLF	250 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	7,032.07	1,023.15
26 05 13 00-0056	MLF	350 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	8,166.66	1,221.62
26 05 13 00-0057	MLF	500 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	10,406.65	1,435.98
26 05 13 00-0058	MLF	750 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	14,820.67	1,227.76
26 05 13 00-0059	MLF	1,000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	21,557.82	1,948.82
26 05 13 00-0060 Direct Burial, Ethylene-Propylene Rubber (EPR) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)				
Note: Excludes excavation.				
26 05 13 00-0061	MLF	#6 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	1,859.74	
26 05 13 00-0062	MLF	#4 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,154.10	
26 05 13 00-0063	MLF	#2 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,479.44	
26 05 13 00-0064	MLF	#1 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,809.12	
26 05 13 00-0065	MLF	#1/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,138.35	
26 05 13 00-0066	MLF	#2/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,448.20	
26 05 13 00-0067	MLF	#3/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,385.78	
26 05 13 00-0068	MLF	#4/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,788.58	
26 05 13 00-0069	MLF	250 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,803.00	
26 05 13 00-0070	MLF	350 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	6,495.15	
26 05 13 00-0071	MLF	500 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	8,247.67	
26 05 13 00-0072 Aerial, Ethylene-Propylene Rubber (EPR) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)				
Note: Installed on poles.				
26 05 13 00-0073	MLF	#6 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	1,542.35	265.80
26 05 13 00-0074	MLF	#4 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	1,887.78	285.00
26 05 13 00-0075	MLF	#2 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	2,413.25	360.41
26 05 13 00-0076	MLF	#1 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	2,793.78	398.68
26 05 13 00-0077	MLF	#1/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	3,175.75	437.52
26 05 13 00-0078	MLF	#2/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	3,687.64	513.61
26 05 13 00-0079	MLF	#3/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	4,720.14	587.37
26 05 13 00-0080	MLF	#4/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	5,372.89	681.51
26 05 13 00-0081	MLF	250 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	6,750.86	857.39
26 05 13 00-0082	MLF	350 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	7,993.15	1,084.86
26 05 13 00-0083	MLF	500 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	10,435.93	1,363.03
26 05 13 00-0084 15 KV Cable (26 05 13 00-0001)				
26 05 13 00-0085 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0084)				
26 05 13 00-0086 Placed In Duct, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0085)				
26 05 13 00-0087	MLF	#4 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	3,778.45	858.57
26 05 13 00-0088	MLF	#2 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,110.44	858.57
26 05 13 00-0089	MLF	#1 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,237.08	858.57
26 05 13 00-0090	MLF	#1/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,649.62	858.57
26 05 13 00-0091	MLF	#2/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,041.18	858.57
26 05 13 00-0092	MLF	#3/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,792.45	896.20
26 05 13 00-0093	MLF	#4/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,946.28	896.20
26 05 13 00-0094	MLF	250 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,887.94	937.21
26 05 13 00-0095	MLF	350 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,844.84	959.18
26 05 13 00-0096	MLF	500 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,707.20	1,080.43
26 05 13 00-0097 Direct Burial, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0085)				
Note: Excludes excavation.				
26 05 13 00-0098	MLF	#1 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	3,313.51	
26 05 13 00-0099	MLF	#1/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	3,726.05	
26 05 13 00-0100	MLF	#2/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,117.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0101 MLF #3/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,880.76	
26 05 13 00-0102 MLF #4/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,034.58	
26 05 13 00-0103 MLF 250 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,026.96	
26 05 13 00-0104 MLF 350 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,985.43	
26 05 13 00-0105 MLF 500 MCM Cable, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation	8,724.99	
26 05 13 00-0106 Aerial, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0085)		
Note: Installed on poles.		
26 05 13 00-0107 MLF #1 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	3,098.87	379.71
26 05 13 00-0108 MLF #1/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	3,664.91	437.52
26 05 13 00-0109 MLF #2/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,258.51	513.61
26 05 13 00-0110 MLF #3/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,111.67	587.37
26 05 13 00-0111 MLF #4/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,515.44	681.51
26 05 13 00-0112 MLF 250 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,651.62	793.37
26 05 13 00-0113 MLF 350 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,901.66	924.48
26 05 13 00-0114 MLF 500 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,857.64	1,073.87
26 05 13 00-0115 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0084)		
26 05 13 00-0116 Placed In Duct, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0115)		
26 05 13 00-0117 MLF #4 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,072.21	858.57
26 05 13 00-0118 MLF #2 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,463.97	858.57
26 05 13 00-0119 MLF #1 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,613.40	858.57
26 05 13 00-0120 MLF #1/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,100.19	858.57
26 05 13 00-0121 MLF #2/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,562.23	858.57
26 05 13 00-0122 MLF #3/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,431.81	896.20
26 05 13 00-0123 MLF #4/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,613.33	896.20
26 05 13 00-0124 MLF 250 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,706.02	937.21
26 05 13 00-0125 MLF 350 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,825.28	959.18
26 05 13 00-0126 MLF 500 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,968.30	1,080.43
26 05 13 00-0127 Direct Burial, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0115)		
Note: Excludes excavation.		
26 05 13 00-0128 MLF #1 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	3,689.83	
26 05 13 00-0129 MLF #1/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,176.62	
26 05 13 00-0130 MLF #2/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,638.66	
26 05 13 00-0131 MLF #3/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,520.12	
26 05 13 00-0132 MLF #4/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,701.63	
26 05 13 00-0133 MLF 250 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,842.66	
26 05 13 00-0134 MLF 350 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,962.00	
26 05 13 00-0135 MLF 500 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,986.10	
26 05 13 00-0136 Aerial, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0115)		
Note: Installed on poles.		
26 05 13 00-0137 MLF #1 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	3,475.19	379.71
26 05 13 00-0138 MLF #1/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,115.48	437.52
26 05 13 00-0139 MLF #2/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,779.56	513.61
26 05 13 00-0140 MLF #3/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,751.03	587.37
26 05 13 00-0141 MLF #4/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,182.49	681.51
26 05 13 00-0142 MLF 250 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,469.70	793.37
26 05 13 00-0143 MLF 350 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,882.09	924.48
26 05 13 00-0144 MLF 500 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	11,118.75	1,073.87
26 05 13 00-0145 15 KV Non-Shielded Single Copper Conductor (26 05 13 00-0084)		
26 05 13 00-0146 MLF 1/0 15 KV Non-Shielded, Single Copper Conductor	5,551.26	861.58
26 05 13 00-0147 MLF 3/0 15 KV Non-Shielded, Single Copper Conductor	7,289.93	902.77
26 05 13 00-0148 MLF 350 MCM 15 KV Non-Shielded, Single Copper Conductor	10,116.72	962.93
26 05 13 00-0149 Shielded, Armored Copper, 15 KV, 3 Conductor Cable (26 05 13 00-0084)		
Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 00-0150 Galvanized Steel Interlocked Armor Cable (26 05 13 00-0149)		
26 05 13 00-0151 LF #2 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically	25.51	6.57
26 05 13 00-0152 LF #1/0 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically	30.78	6.99
26 05 13 00-0153 Aluminum Interlocked Armor Cable (26 05 13 00-0149)		
26 05 13 00-0154 LF #2 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically	25.51	6.57
26 05 13 00-0155 LF #1/0 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically	30.78	6.99



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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 13 00-0156	Type URD, 15 KV Primary Concentric UD Cable <small>(26 05 13 00-0084)</small> Note: 0.175" XLPE insulation, copper conductor.			
26 05 13 00-0157	MLF	#4 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	1,868.54	430.82
26 05 13 00-0158	MLF	#2 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	2,246.09	470.41
26 05 13 00-0159	MLF	#1 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	2,706.66	531.50
26 05 13 00-0160	MLF	#1/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	3,538.27	653.05
26 05 13 00-0161	MLF	#2/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	4,036.75	735.18
26 05 13 00-0162	MLF	#3/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	5,036.61	818.49
26 05 13 00-0163	MLF	#4/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	5,662.06	916.22
26 05 13 00-0164	15 KV URD Cable Copper Direct Burial <small>(26 05 13 00-0084)</small>			
26 05 13 00-0165	MLF	15 KV 3/C URD Cable Copper Direct Burial #6	9,578.05	
26 05 13 00-0166	35 KV And 70 KV Cable <small>(26 05 13 00-0001)</small>			
26 05 13 00-0167	35 KV, Shielded, Single Copper Conductor <small>(26 05 13 00-0166)</small>			
26 05 13 00-0168	MLF	3/0 35 KV Shielded, Single Copper Conductor	9,825.75	1,398.85
26 05 13 00-0169	70 KV, Shielded, Single Copper Conductor <small>(26 05 13 00-0166)</small>			
26 05 13 00-0170	MLF	350 MCM 70 KV Shielded, Single Copper Conductor.....	33,480.20	1,594.71
26 05 13 00-0171	Wire Connections <small>(26 05 13 00-0001)</small>			
26 05 13 00-0172	Medium Voltage Up To 5 KV <small>(26 05 13 00-0171)</small>			
26 05 13 00-0173	Shielded One Conductor Cable Splice <small>(26 05 13 00-0172)</small>			
26 05 13 00-0174	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	155.61	51.04
26 05 13 00-0175	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	207.51	51.04
26 05 13 00-0176	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	207.51	51.04
26 05 13 00-0177	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	222.70	61.24
26 05 13 00-0178	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	222.70	61.24
26 05 13 00-0179	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	222.70	61.24
26 05 13 00-0180	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	242.96	71.45
26 05 13 00-0181	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	242.96	71.45
26 05 13 00-0182	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	242.96	71.45
26 05 13 00-0183	Cable Termination Without Stress Cone <small>(26 05 13 00-0172)</small>			
26 05 13 00-0184	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	125.90	61.24
26 05 13 00-0185	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV.....	150.63	71.45
26 05 13 00-0186	Cable Termination With Stress Cone <small>(26 05 13 00-0172)</small>			
26 05 13 00-0187	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	689.10	122.50
26 05 13 00-0188	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV.....	947.35	168.42
26 05 13 00-0189	Connect To Pothead, Pothead Included <small>(26 05 13 00-0172)</small>			
26 05 13 00-0190	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	720.44	122.50
26 05 13 00-0191	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV.....	922.00	140.36
26 05 13 00-0192	Two Conductor Pothead <small>(26 05 13 00-0172)</small> Note: Includes 5 KV pothead.			
26 05 13 00-0193	EA	#6 To 4/0 AWG 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV.....	529.11	168.42
26 05 13 00-0194	EA	250 To 350 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV.....	708.59	214.36
26 05 13 00-0195	EA	400 To 700 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV.....	1,080.16	243.04
26 05 13 00-0196	EA	750 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV.....	1,755.25	283.57
26 05 13 00-0197	EA	1,000 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV.....	3,226.96	425.31
26 05 13 00-0198	Three Conductor Pothead <small>(26 05 13 00-0172)</small> Note: Includes 5 KV pothead.			
26 05 13 00-0199	EA	#6 To 4/0 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,140.63	244.98
26 05 13 00-0200	EA	250 To 500 MCM 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV.....	2,344.19	285.82
26 05 13 00-0201	Copper Cable Splice, Crimp Compression Connection <small>(26 05 13 00-0172)</small> Note: For bare wire.			
26 05 13 00-0202	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire.....	35.90	
26 05 13 00-0203	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire.....	39.65	
26 05 13 00-0204	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire.....	46.23	
26 05 13 00-0205	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire.....	52.36	
26 05 13 00-0206	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire.....	59.12	
26 05 13 00-0207	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	65.64	
26 05 13 00-0208	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	72.05	
26 05 13 00-0209	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	78.87	
26 05 13 00-0210	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	85.45	
26 05 13 00-0211	EA	250 MCM Crimp Compression Connection For Bare Copper Wire.....	92.22	
26 05 13 00-0212	EA	300 MCM Crimp Compression Connection For Bare Copper Wire.....	99.22	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0213	EA	350 MCM Crimp Compression Connection For Bare Copper Wire.....	105.66	
26 05 13 00-0214	EA	400 MCM Crimp Compression Connection For Bare Copper Wire.....	119.53	
26 05 13 00-0215	EA	500 MCM Crimp Compression Connection For Bare Copper Wire.....	133.97	
26 05 13 00-0216		Aluminum Cable Splice, Crimp Compression Connection <small>(26 05 13 00-0172)</small>		
		Note: For bare wire.		
26 05 13 00-0217	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	37.02	
26 05 13 00-0218	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	40.27	
26 05 13 00-0219	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	54.40	
26 05 13 00-0220	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	64.31	
26 05 13 00-0221	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	70.53	
26 05 13 00-0222	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	76.72	
26 05 13 00-0223	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	84.30	
26 05 13 00-0224	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	91.19	
26 05 13 00-0225	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	97.82	
26 05 13 00-0226	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	104.71	
26 05 13 00-0227	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	111.41	
26 05 13 00-0228	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	127.77	
26 05 13 00-0229	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	144.25	
26 05 13 00-0230		15 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0231		Single Conductor Pothead On Racks <small>(26 05 13 00-0230)</small>		
		Note: Includes pothead.		
26 05 13 00-0232	EA	#2 To 4/0 AWG 1/c 15 KV Pothead (Included), On Racks.....	643.10	214.36
26 05 13 00-0233	EA	250 To 500 MCM 1/c 15 KV Pothead (Included), On Racks.....	820.32	265.39
26 05 13 00-0234		Two Conductor Pothead On Rack <small>(26 05 13 00-0230)</small>		
		Note: Includes pothead.		
26 05 13 00-0235	EA	#2 To 4/0 AWG 2/c 15 KV Pothead (Included), On Racks.....	948.06	326.65
26 05 13 00-0236	EA	250 To 500 MCM 2/c 15 KV Pothead (Included), On Racks.....	1,139.82	387.89
26 05 13 00-0237		Three Conductor Pothead On Rack <small>(26 05 13 00-0230)</small>		
		Note: Includes pothead.		
26 05 13 00-0238	EA	#2 To 4/0 AWG 3/c 15 KV Pothead (Included), On Racks.....	1,210.80	423.62
26 05 13 00-0239	EA	250 To 500 MCM 3/c 15 KV Pothead (Included), On Racks.....	1,508.44	530.80
26 05 13 00-0240		Stress Relief Cone On Rack <small>(26 05 13 00-0230)</small>		
26 05 13 00-0241	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	605.23	214.36
26 05 13 00-0242	EA	250 To 500 MCM Stress Relief Cone, On Rack	777.74	265.39
26 05 13 00-0243		Grounded, Shielded Cable Splice <small>(26 05 13 00-0230)</small>		
26 05 13 00-0244	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	417.62	158.22
26 05 13 00-0245	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	535.13	204.15
26 05 13 00-0246	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	2,554.00	561.42
26 05 13 00-0247	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	3,274.99	612.46
26 05 13 00-0248		Cable Termination <small>(26 05 13 00-0230)</small>		
26 05 13 00-0249	EA	#2 To 3/0 AWG Cable Termination 15 KV	276.39	89.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.59	
26 05 13 00-0250	EA	4/0 To 250 MCM Cable Termination 15 KV	349.28	114.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.90	
26 05 13 00-0251	EA	350 To 500 MCM Cable Termination 15 KV	432.94	140.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.21	
26 05 13 00-0252	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	175.82	51.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.62	
26 05 13 00-0253		Stress Cones, 5-15 KV, 4 Skirted <small>(26 05 13 00-0230)</small>		
26 05 13 00-0254	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	350.87	66.35
26 05 13 00-0255	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	399.55	73.34
26 05 13 00-0256	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	474.21	80.25
26 05 13 00-0257	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	609.48	92.46
26 05 13 00-0258		Stress Cones, 5-15 KV, 6 Skirted <small>(26 05 13 00-0230)</small>		
26 05 13 00-0259	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	701.76	132.92
26 05 13 00-0260	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	799.20	146.66
26 05 13 00-0261	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	942.49	157.52
26 05 13 00-0262	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,218.96	184.92
26 05 13 00-0263		35 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0264		35 KV One Conductor Splice <small>(26 05 13 00-0263)</small>		
26 05 13 00-0265	EA	Cable Splicing, #1 Stranded To 4/0 Stranded, 35 KV	1,043.34	

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 13 00-0266	Cable Termination <small>(26 05 13 00-0263)</small>		
26 05 13 00-0267	EA #2 To 3/0 AWG Cable Termination 35 KV	240.55	61.29
26 05 13 00-0268	EA 3/0 AWG To 250 MCM Cable Termination 35 KV	329.27	92.49
26 05 13 00-0269	EA 350 To 500 MCM Cable Termination 35 KV	381.53	98.91
26 05 13 00-0270	EA #2 To 3/0 AWG Cable Elbow Termination 35 KV	191.08	51.04
26 05 13 00-0271	70 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0272	Cable Splice <small>(26 05 13 00-0271)</small>		
26 05 13 00-0273	EA Cable Splicing, 350 MCM 70 KV	5,440.49	
26 05 13 00-0274	EA Cable Splicing, #2 To 4/0 70 KV	1,081.65	

26 05 19 Low-Voltage Electrical Power Conductors And Cables (26 05)**26 05 19 13 Undercarpet Electrical Power Cables** (26 05 19)

26 05 19 13-0001	Under Carpet Power System <small>(26 05 19 13)</small>		
	Note: Includes laying out, floor prep, taping, testing, drill floor, folds.		
26 05 19 13-0002	LF Cable Flat 3 Conductor #12 With Attached Bottom Shield	2.68	0.23
26 05 19 13-0003	LF Top Shield, Steel.....	6.97	0.23
26 05 19 13-0004	EA Splice, 3-Conductor	15.10	3.97
26 05 19 13-0005	EA Splice Top Shield For 3 Conductor	4.33	1.87
26 05 19 13-0006	EA Tap 3-Conductor	18.84	4.67
26 05 19 13-0007	EA Insulating Patch, Splice Tap And End.....	29.56	3.97
26 05 19 13-0008	EA Transition Block Assembly 3-conductor	19.30	2.33
26 05 19 13-0009	EA Receptacles, Direct Connected Single, With Box	58.19	7.46
26 05 19 13-0010	EA Receptacles, Direct Connected Dual, With Box	97.01	11.67
26 05 19 13-0011	EA Box, Floor Mounted With Cover	96.80	9.33
26 05 19 13-0012	LF 5-Conductor #12 With Attached Bottom Shield.....	4.28	0.23
26 05 19 13-0013	LF Shield, Top, Steel For 5 Conductor	4.24	0.23
26 05 19 13-0014	EA Splice, 5 Conductor.....	15.30	3.97
26 05 19 13-0015	EA Insulating Patch Splice Tap And End.....	25.58	2.33
26 05 19 13-0016	EA Transition Block Assembly 5 Conductor	25.58	2.33
26 05 19 13-0017	EA Box, Wall, Flush With Cover	43.18	9.33
26 05 19 13-0018	EA Telephone Transition Fitting Wall Box	28.37	7.70
26 05 19 13-0019	EA Telephone Fitting With Duplex Jack And Cover RJ-45	37.41	8.87
26 05 19 13-0020	EA Telephone Miniature With Duplex RJ-45	16.12	3.49
26 05 19 13-0021	LF Telephone 4-Pair Level 5 Under Carpet Wire	0.93	0.23
26 05 19 13-0022	EA BNC Coax Connector Plug	12.75	4.67
26 05 19 13-0023	EA TNC Connector Coax Plug	12.75	4.67
26 05 19 13-0024	CLF Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm.....	67.14	23.33

26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables (26 05 19)

26 05 19 16-0001	Cable Installation Methods <small>(26 05 19 16)</small>		
26 05 19 16-0002	Pull Cord <small>(26 05 19 16-0001)</small>		
	Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003	LF Pull String Installed To Remain In Place, In Existing Conduit.....	0.16	
26 05 19 16-0004	LF Pull String Installed To Remain In Place, In New Conduits.....	0.09	
26 05 19 16-0005	LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.41	
26 05 19 16-0006	LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.25	
26 05 19 16-0007	Bore Conduit Into Dirt Or Sand <small>(26 05 19 16-0001)</small>		
	Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF Bore 1" To 4" Conduit Into Dirt Or Sand	1.24	
26 05 19 16-0009	LF Bore 5" To 8" Conduit Into Dirt Or Sand	1.59	
26 05 19 16-0010	Wire and Cable <small>(26 05 19 16)</small>		
	Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 19 16-0011	600 Volt Wire <small>(26 05 19 16-0010)</small>		
26 05 19 16-0012	Single Solid Conductor, Copper <small>(26 05 19 16-0011)</small>		
26 05 19 16-0013	MLF #14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	292.95	113.25
26 05 19 16-0014	MLF #12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	369.54	133.22
26 05 19 16-0015	MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	461.89	162.90
26 05 19 16-0016	MLF #14 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	393.28	113.25
26 05 19 16-0017	MLF #12 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	479.97	133.22
26 05 19 16-0018	MLF #10 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	583.14	162.90
26 05 19 16-0019	Power Cable, Stranded Conductor, Copper <small>(26 05 19 16-0011)</small>		
26 05 19 16-0020	Power Cable, Stranded, Single Conductor, XHHW <small>(26 05 19 16-0019)</small>		
26 05 19 16-0021	MLF #16 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	317.55	93.32
26 05 19 16-0022	MLF #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	373.12	111.99



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.

26 05 19 16-0043 Power Cable, Stranded, Multi Conductor, XHHW (26 05 19 16-0019)

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 2/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.

26 05 19 16-0085 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper (26 05 19 16-0011)

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like #14 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 19 16-0102	MLF	500 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	10,691.75	
26 05 19 16-0103	MLF	600 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	12,633.96	
26 05 19 16-0104	MLF	750 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	20,125.79	
26 05 19 16-0105	MLF	#14 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	488.46	
26 05 19 16-0106	MLF	#12 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	605.69	
26 05 19 16-0107	MLF	#10 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	764.80	
26 05 19 16-0108	MLF	#8 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	918.67	
26 05 19 16-0109	MLF	#6 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,271.03	
26 05 19 16-0110	MLF	#4 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,789.57	
26 05 19 16-0111	MLF	#2 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,571.49	
26 05 19 16-0112	MLF	#1 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,196.20	
26 05 19 16-0113	MLF	#1/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,594.20	
26 05 19 16-0114	MLF	#2/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,056.02	
26 05 19 16-0115	MLF	#3/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,856.15	
26 05 19 16-0116	MLF	#4/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	5,888.61	
26 05 19 16-0117	MLF	250 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,827.92	
26 05 19 16-0118	MLF	300 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	7,835.79	
26 05 19 16-0119	MLF	350 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	8,956.31	
26 05 19 16-0120	MLF	400 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	10,125.87	
26 05 19 16-0121	MLF	500 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	12,251.45	
26 05 19 16-0122	MLF	750 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	22,800.55	
26 05 19 16-0123	MLF	#14 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	299.75	
26 05 19 16-0124	MLF	#12 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	375.03	
26 05 19 16-0125	MLF	#10 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	469.43	
26 05 19 16-0126	MLF	#8 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	668.51	
26 05 19 16-0127	MLF	#6 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	924.25	
26 05 19 16-0128	MLF	#4 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,239.98	
26 05 19 16-0129	MLF	#2 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,790.01	
26 05 19 16-0130	MLF	#1 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,147.12	
26 05 19 16-0131	MLF	#1/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,499.09	
26 05 19 16-0132	MLF	#2/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,847.89	
26 05 19 16-0133	MLF	#3/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,408.35	
26 05 19 16-0134	MLF	#4/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,084.91	
26 05 19 16-0135	MLF	250 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,819.78	
26 05 19 16-0136	MLF	300 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	5,586.95	
26 05 19 16-0137	MLF	350 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,414.23	
26 05 19 16-0138	MLF	400 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	7,211.19	
26 05 19 16-0139	MLF	500 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	8,618.56	
26 05 19 16-0140	MLF	600 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	10,813.39	
26 05 19 16-0141	MLF	750 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	16,725.29	
26 05 19 16-0142	MLF	#2 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,016.87	
26 05 19 16-0143	MLF	#1/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,393.75	
26 05 19 16-0144	MLF	#2/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,871.57	
26 05 19 16-0145	MLF	#3/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	5,546.04	
26 05 19 16-0146	MLF	#4/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,170.31	
26 05 19 16-0147	MLF	250 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,641.21	
26 05 19 16-0148	MLF	350 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	9,705.87	
26 05 19 16-0149	MLF	400 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	10,564.15	
26 05 19 16-0150	MLF	500 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	12,111.65	

26 05 19 16-0151 600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0011)

26 05 19 16-0152 ACTHH, Solid (26 05 19 16-0151)

26 05 19 16-0153	MLF	#8 AWG Cable - Type ACT, 1 Conductor, Solid.....	1,298.04	306.23
26 05 19 16-0154	MLF	#6 AWG Cable - Type ACT, 1 Conductor, Solid.....	1,506.61	347.06
26 05 19 16-0155	MLF	#4 AWG Cable - Type ACT, 1 Conductor, Solid.....	1,770.13	367.48
26 05 19 16-0156	MLF	#14 AWG Cable - Type ACTHH, 2 Conductors, Solid.....	1,764.90	510.38
26 05 19 16-0157	MLF	#12 AWG Cable - Type ACTHH, 2 Conductors, Solid.....	1,852.49	571.53
26 05 19 16-0158	MLF	#10 AWG Cable - Type ACTHH, 2 Conductors, Solid.....	2,486.05	633.23
26 05 19 16-0159	MLF	#8 AWG Cable - Type ACTHH, 2 Conductors, Solid.....	3,456.82	694.37
26 05 19 16-0160	MLF	#14 AWG Cable - Type ACTHH, 3 Conductors, Solid.....	2,205.15	571.53
26 05 19 16-0161	MLF	#12 AWG Cable - Type ACTHH, 3 Conductors, Solid.....	2,256.51	633.23
26 05 19 16-0162	MLF	#10 AWG Cable - Type ACTHH, 3 Conductors, Solid.....	3,033.23	714.84
26 05 19 16-0163	MLF	#8 AWG Cable - Type ACTHH, 3 Conductors, Solid.....	4,178.20	775.68
26 05 19 16-0164	MLF	#14 AWG Cable - Type ACTHH, 4 Conductors, Solid.....	2,704.62	633.23
26 05 19 16-0165	MLF	#12 AWG Cable - Type ACTHH, 4 Conductors, Solid.....	2,931.10	714.84
26 05 19 16-0166	MLF	#10 AWG Cable - Type ACTHH, 4 Conductors, Solid.....	3,906.16	796.24
26 05 19 16-0167	MLF	#8 AWG Cable - Type ACTHH, 4 Conductors, Solid.....	5,339.58	857.80

26 05 19 16-0168 ACTHH, Stranded (26 05 19 16-0151)

26 05 19 16-0169	MLF	#8 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	3,559.37	735.41
26 05 19 16-0170	MLF	#6 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	4,435.65	836.67
26 05 19 16-0171	MLF	#8 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	4,280.58	816.61
26 05 19 16-0172	MLF	#6 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	5,537.01	917.98
26 05 19 16-0173	MLF	#4 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	7,230.88	1,020.77
26 05 19 16-0174	MLF	#3 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	8,395.78	1,121.72
26 05 19 16-0175	MLF	#2 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	9,718.42	1,223.95
26 05 19 16-0176	MLF	#8 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	5,644.17	979.63
26 05 19 16-0177	MLF	#6 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	7,000.23	1,081.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0178 MLF #4 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	9,335.06	1,184.19
26 05 19 16-0179 MLF #3 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	10,249.82	1,285.60
26 05 19 16-0180 MLF #2 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	12,381.98	1,386.91
26 05 19 16-0181 HCFC, Solid <small>(26 05 19 16-0151)</small>		
26 05 19 16-0182 MLF #14 AWG Cable - Type HCF, 2 Conductors, Solid	2,072.02	510.38
26 05 19 16-0183 MLF #12 AWG Cable - Type HCF, 2 Conductors, Solid	2,245.37	573.46
26 05 19 16-0184 MLF #10 AWG Cable - Type HCF, 2 Conductors, Solid	2,527.10	630.12
26 05 19 16-0185 MLF #14 AWG Cable - Type HCF, 3 Conductors, Solid	2,583.82	573.46
26 05 19 16-0186 MLF #12 AWG Cable - Type HCF, 3 Conductors, Solid	2,748.56	630.12
26 05 19 16-0187 MLF #10 AWG Cable - Type HCF, 3 Conductors, Solid	3,762.41	718.87
26 05 19 16-0188 MLF #14 AWG Cable - Type HCF, 4 Conductors, Solid	3,293.35	630.12
26 05 19 16-0189 MLF #12 AWG Cable - Type HCF, 4 Conductors, Solid	3,549.95	718.87
26 05 19 16-0190 MLF #10 AWG Cable - Type HCF, 4 Conductors, Solid	5,147.97	797.48
26 05 19 16-0191 MC, Solid Or Stranded, Galvanized Steel Armor <small>(26 05 19 16-0151)</small>		
26 05 19 16-0192 MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	1,723.97	510.38
26 05 19 16-0193 MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	1,920.92	573.46
26 05 19 16-0194 MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,390.03	630.12
26 05 19 16-0195 MLF #8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,237.61	673.35
26 05 19 16-0196 MLF #6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,201.42	713.82
26 05 19 16-0197 MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,013.08	573.46
26 05 19 16-0198 MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,294.45	630.12
26 05 19 16-0199 MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,027.65	718.87
26 05 19 16-0200 MLF #8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,151.72	775.68
26 05 19 16-0201 MLF #6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,951.82	836.67
26 05 19 16-0202 MLF #4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	6,315.51	898.58
26 05 19 16-0203 MLF #2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	8,357.53	959.37
26 05 19 16-0204 MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,381.67	630.12
26 05 19 16-0205 MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,732.56	718.87
26 05 19 16-0206 MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,526.81	797.48
26 05 19 16-0207 MLF #8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	6,420.22	878.47
26 05 19 16-0208 MLF #6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	8,031.43	939.93
26 05 19 16-0209 MLF #4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	10,929.55	1,000.76
26 05 19 16-0210 MLF #2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	14,440.90	1,061.09
26 05 19 16-0211 MC, Solid Or Stranded, Aluminum Armor <small>(26 05 19 16-0151)</small>		
26 05 19 16-0212 MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor.....	1,704.14	510.38
26 05 19 16-0213 MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor.....	1,869.50	573.46
26 05 19 16-0214 MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor.....	2,344.55	630.12
26 05 19 16-0215 MLF #8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor.....	2,095.91	573.46
26 05 19 16-0216 MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor.....	2,248.77	630.12
26 05 19 16-0217 MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor.....	2,991.52	718.87
26 05 19 16-0218 MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor.....	2,775.44	630.12
26 05 19 16-0219 MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor.....	3,017.96	718.87
26 05 19 16-0220 MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor.....	4,526.81	797.48
26 05 19 16-0221 FPLP Solid TFN Red Armored Cable <small>(26 05 19 16-0151)</small>		
Note: Color coded red.		
26 05 19 16-0222 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	1,901.58	387.89
26 05 19 16-0223 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	2,149.12	449.13
26 05 19 16-0224 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	2,719.56	510.38
26 05 19 16-0225 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,135.81	571.63
26 05 19 16-0226 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	2,155.26	449.13
26 05 19 16-0227 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	2,572.07	510.38
26 05 19 16-0228 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	3,312.91	571.63
26 05 19 16-0229 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	3,789.50	632.87
26 05 19 16-0230 FPLP Solid THHN Red Armored Cable <small>(26 05 19 16-0151)</small>		
Note: Color coded red.		
26 05 19 16-0231 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable	2,380.45	510.38
26 05 19 16-0232 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable	3,030.22	571.63
26 05 19 16-0233 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable	4,184.47	632.87
26 05 19 16-0234 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable	4,899.06	694.12
26 05 19 16-0235 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable	3,089.44	571.63
26 05 19 16-0236 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable	3,859.89	632.87
26 05 19 16-0237 FPLP Twisted Shielded Pair Red Armored Cable <small>(26 05 19 16-0151)</small>		
Note: Color coded red.		
26 05 19 16-0238 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	2,102.70	387.89
26 05 19 16-0239 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,429.11	571.63
26 05 19 16-0240 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	2,619.52	449.13
26 05 19 16-0241 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable.....	3,118.45	510.38
26 05 19 16-0242 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,428.61	632.87
26 05 19 16-0243 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,062.78	530.80
26 05 19 16-0244 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,835.65	612.46

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0245 Armored Cable Connectors (26 05 19 16-0151)		
26 05 19 16-0246 EA 3/4" Armored Cable Connector.....	3.22	1.12
For Work In Restricted Working Space, Add	0.84	
For Installation Above 14', Add	0.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.84	
26 05 19 16-0247 EA 1" Armored Cable Connector.....	3.82	1.31
For Work In Restricted Working Space, Add	0.98	
For Installation Above 14', Add	0.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.98	
26 05 19 16-0248 EA 1-1/4" Armored Cable Connector.....	5.41	1.87
For Work In Restricted Working Space, Add	1.40	
For Installation Above 14', Add	0.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.40	
26 05 19 16-0249 600 Volt, Feeder Wire, Single Stranded Copper (26 05 19 16-0011)		
26 05 19 16-0250 MLF #14 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	431.01	74.80
For EPR Insulation, Add	22.66	
For Hypalon (CSPE) Jacket, Add	52.86	
26 05 19 16-0251 MLF #12 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	480.60	82.83
For EPR Insulation, Add	23.10	
For Hypalon (CSPE) Jacket, Add	53.89	
26 05 19 16-0252 MLF #10 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	598.09	103.54
For EPR Insulation, Add	33.72	
For Hypalon (CSPE) Jacket, Add	78.68	
26 05 19 16-0253 MLF #8 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	836.18	164.72
For EPR Insulation, Add	55.43	
For Hypalon (CSPE) Jacket, Add	129.35	
26 05 19 16-0254 MLF #6 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,180.95	197.65
For EPR Insulation, Add	93.15	
For Hypalon (CSPE) Jacket, Add	217.35	
26 05 19 16-0255 MLF #4 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,639.43	229.49
For EPR Insulation, Add	140.93	
For Hypalon (CSPE) Jacket, Add	328.83	
26 05 19 16-0256 MLF #3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,872.97	262.66
For EPR Insulation, Add	161.96	
For Hypalon (CSPE) Jacket, Add	377.90	
26 05 19 16-0257 MLF #2 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,412.45	295.83
For EPR Insulation, Add	228.88	
For Hypalon (CSPE) Jacket, Add	534.05	
26 05 19 16-0258 MLF #1 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,041.60	329.47
For EPR Insulation, Add	309.26	
For Hypalon (CSPE) Jacket, Add	721.60	
26 05 19 16-0259 MLF #1/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,694.81	371.71
For EPR Insulation, Add	386.24	
For Hypalon (CSPE) Jacket, Add	901.23	
26 05 19 16-0260 MLF #2/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,496.61	412.21
For EPR Insulation, Add	485.51	
For Hypalon (CSPE) Jacket, Add	1,132.86	
26 05 19 16-0261 MLF #3/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,444.55	460.18
For EPR Insulation, Add	606.71	
For Hypalon (CSPE) Jacket, Add	1,415.65	
26 05 19 16-0262 MLF #4/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,158.88	511.64
For EPR Insulation, Add	692.85	
For Hypalon (CSPE) Jacket, Add	1,616.66	
26 05 19 16-0263 MLF 250 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,540.83	561.15
For EPR Insulation, Add	729.15	
For Hypalon (CSPE) Jacket, Add	1,701.35	
26 05 19 16-0264 MLF 300 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,790.75	616.87
For EPR Insulation, Add	895.64	
For Hypalon (CSPE) Jacket, Add	2,089.83	
26 05 19 16-0265 MLF 350 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,722.15	653.97
For EPR Insulation, Add	1,014.35	
For Hypalon (CSPE) Jacket, Add	2,366.82	
26 05 19 16-0266 MLF 400 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	9,815.28	730.91
For EPR Insulation, Add	1,157.33	
For Hypalon (CSPE) Jacket, Add	2,700.43	
26 05 19 16-0267 MLF 500 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	11,286.95	812.89
For EPR Insulation, Add	1,357.08	
For Hypalon (CSPE) Jacket, Add	3,166.51	
26 05 19 16-0268 MLF 600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	13,302.84	845.75
For EPR Insulation, Add	1,631.46	
For Hypalon (CSPE) Jacket, Add	3,806.75	
26 05 19 16-0269 MLF 750 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	22,129.41	878.55
For EPR Insulation, Add	2,913.45	
For Hypalon (CSPE) Jacket, Add	6,798.06	
26 05 19 16-0270 MLF 1,000 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	28,093.72	938.75
For EPR Insulation, Add	3,780.10	
For Hypalon (CSPE) Jacket, Add	8,820.24	
26 05 19 16-0271 MLF #16 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	732.78	167.89
26 05 19 16-0272 MLF #14 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	931.30	186.65
26 05 19 16-0273 MLF #12 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,175.44	224.17
26 05 19 16-0274 MLF #10 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,396.26	261.21
26 05 19 16-0275 MLF #8 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,150.02	279.69
26 05 19 16-0276 MLF #18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	232.61	93.32
26 05 19 16-0277 MLF #16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	289.87	102.66
26 05 19 16-0278 MLF #14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	299.75	74.84
26 05 19 16-0279 MLF #12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	375.03	89.22



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various cable types like #10 AWG Cable, #8 AWG Cable, #6 AWG Cable, #4 AWG Cable, #3 AWG Cable, #2 AWG Cable, #1 AWG Cable, 250 MCM Cable, 300 MCM Cable, 350 MCM Cable, 400 MCM Cable, 500 MCM Cable, 600 MCM Cable, 750 MCM Cable, 1,000 MCM Cable, TGGT High Temperature 600 Volt Copper, THHN-THWN 600 Volt Aluminum, XHHW, 600 Volt Aluminum, XLPE-USE 600 Volt Aluminum.

26 05 19 16-0357 Non-Metallic Sheathed Cable (26 05 19 16-0011)
26 05 19 16-0358 Indoor Installation (26 05 19 16-0357)
Note: For NM, NM-B, NMC-B and NMS-B.

26 Electrical
26 05 Common Work Results For Electrical
26 05 19 Low-Voltage Electrical Power Conductors And Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0359 MLF #14-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1,152.15 132.97	354.58
26 05 19 16-0360 MLF #14-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1,434.18 160.99	429.29
26 05 19 16-0361 MLF #12-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1,299.39 143.49	403.16
26 05 19 16-0362 MLF #12-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1,649.30 167.95	447.86
26 05 19 16-0363 MLF #10-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1,686.63 168.04	448.09
26 05 19 16-0364 MLF #10-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,128.08 196.01	522.70
26 05 19 16-0365 MLF #8-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,286.57 191.08	536.61
26 05 19 16-0366 MLF #8-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3,068.48 230.98	648.60
26 05 19 16-0367 MLF #6-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,827.16 216.98	611.27
26 05 19 16-0368 MLF #6-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3,745.58 262.47	737.26
26 05 19 16-0369 MLF #4-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	5,161.29 288.72	811.92
26 05 19 16-0370 MLF #2-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	7,692.35 314.97	881.91
26 05 19 16-0371 Direct Burial Cable <small>(26 05 19 16-0357)</small>		
<i>Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.</i>		
26 05 19 16-0372 MLF #14-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	1,160.69	
26 05 19 16-0373 MLF #14-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	1,478.96	
26 05 19 16-0374 MLF #12-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	1,480.98	
26 05 19 16-0375 MLF #12-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	1,757.62	
26 05 19 16-0376 MLF #10-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	1,691.46	
26 05 19 16-0377 MLF #10-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,135.73	
26 05 19 16-0378 MLF #8-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,350.77	
26 05 19 16-0379 MLF #8-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	3,002.47	
26 05 19 16-0380 MLF #6-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	3,088.59	
26 05 19 16-0381 MLF #6-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	3,687.21	
26 05 19 16-0382 SEU Cable Copper, 3 Conductor <small>(26 05 19 16-0357)</small>		
26 05 19 16-0383 MLF 12-12-12 Cable SEU Copper.....	1,454.06	449.29
26 05 19 16-0384 MLF 10-10-10 Cable SEU Copper.....	1,867.42	510.38
26 05 19 16-0385 MLF 8-8-8 Cable SEU Copper.....	2,374.24	571.53
26 05 19 16-0386 MLF 6-6-8 Cable SEU Copper.....	2,929.25	612.72
26 05 19 16-0387 MLF 6-6-6 Cable SEU Copper.....	3,171.77	633.23
26 05 19 16-0388 MLF 4-4-6 Cable SEU Copper.....	3,928.69	694.37
26 05 19 16-0389 MLF 4-4-4 Cable SEU Copper.....	4,260.05	714.84
26 05 19 16-0390 MLF 3-3-5 Cable SEU Copper.....	5,005.79	775.68
26 05 19 16-0391 MLF 3-3-3 Cable SEU Copper.....	5,322.87	816.61
26 05 19 16-0392 MLF 2-2-4 Cable SEU Copper.....	5,698.05	857.80
26 05 19 16-0393 MLF 2-2-2 Cable SEU Copper.....	6,107.03	898.58
26 05 19 16-0394 MLF 1-1-1 Cable SEU Copper.....	7,539.56	1,020.77
26 05 19 16-0395 MLF 1/0-1/0-1/0 Cable SEU Copper.....	9,029.96	1,144.38
26 05 19 16-0396 MLF 2/0-2/0-2/0 Cable SEU Copper.....	10,946.49	1,288.87
26 05 19 16-0397 MLF 3/0-3/0-3/0 Cable SEU Copper.....	13,265.36	1,433.67
26 05 19 16-0398 MLF 4/0-4/0-4/0 Cable SEU Copper.....	14,826.60	1,599.94
26 05 19 16-0399 SEU Cable Aluminum, 3 Conductor <small>(26 05 19 16-0357)</small>		
26 05 19 16-0400 MLF 8-8-8 Cable SEU Aluminum.....	1,751.83	573.46
26 05 19 16-0401 MLF 6-6-6 Cable SEU Aluminum.....	1,984.32	630.12
26 05 19 16-0402 MLF 4-4-6 Cable SEU Aluminum.....	2,218.86	689.73
26 05 19 16-0403 MLF 4-4-4 Cable SEU Aluminum.....	2,321.60	718.87
26 05 19 16-0404 MLF 2-2-4 Cable SEU Aluminum.....	2,772.66	850.65
26 05 19 16-0405 MLF 2-2-2 Cable SEU Aluminum.....	2,939.20	895.41
26 05 19 16-0406 MLF 1-1-1 Cable SEU Aluminum.....	3,501.43	1,020.77
26 05 19 16-0407 MLF 1/0-1/0-2 Cable SEU Aluminum.....	3,703.23	1,074.50
26 05 19 16-0408 MLF 1/0-1/0-1/0 Cable SEU Aluminum.....	4,409.79	1,134.17
26 05 19 16-0409 MLF 2/0-2/0-1 Cable SEU Aluminum.....	4,182.25	1,215.23
26 05 19 16-0410 MLF 2/0-2/0-2/0 Cable SEU Aluminum.....	4,414.01	1,275.96
26 05 19 16-0411 MLF 3/0-3/0-1/0 Cable SEU Aluminum.....	4,779.83	1,336.08
26 05 19 16-0412 MLF 3/0-3/0-3/0 Cable SEU Aluminum.....	5,107.44	1,417.74
26 05 19 16-0413 MLF 4/0-4/0-2/0 Cable SEU Aluminum.....	5,411.31	1,532.68
26 05 19 16-0414 MLF 4/0-4/0-4/0 Cable SEU Aluminum.....	5,702.47	1,594.95
26 05 19 16-0415 SER Cable Copper, 4 Conductor <small>(26 05 19 16-0357)</small>		
26 05 19 16-0416 MLF 6-6-6-6 Cable SER Copper.....	4,730.38	735.41
26 05 19 16-0417 MLF 4-4-4-6 Cable SER Copper.....	6,158.48	796.24
26 05 19 16-0418 MLF 3-3-3-5 Cable SER Copper.....	7,244.78	898.58
26 05 19 16-0419 MLF 2-2-2-4 Cable SER Copper.....	8,483.72	979.63
26 05 19 16-0420 MLF 1-1-1-3 Cable SER Copper.....	10,360.77	1,121.72
26 05 19 16-0421 MLF 1/0-1/0-1/0-2 Cable SER Copper.....	13,234.22	1,285.60
26 05 19 16-0422 MLF 2/0-2/0-2/0-1 Cable SER Copper.....	15,863.91	1,386.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0423 MLF 3/0-3/0-3/0-1/0 Cable SER Copper.....	19,182.14	1,551.31
26 05 19 16-0424 Control Tray Cable, Low Voltage <small>(26 05 19 16-0010)</small>		
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0425 MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	580.22	226.35
For Installation On Exposed Surface, Deduct	-75.45	
26 05 19 16-0426 MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	682.96	253.21
For Installation On Exposed Surface, Deduct	-84.40	
26 05 19 16-0427 MLF 4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	736.12	253.19
For Installation On Exposed Surface, Deduct	-84.40	
26 05 19 16-0428 MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	920.71	317.58
For Installation On Exposed Surface, Deduct	-105.86	
26 05 19 16-0429 MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,181.38	386.99
For Installation On Exposed Surface, Deduct	-129.00	
26 05 19 16-0430 MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,376.13	425.56
For Installation On Exposed Surface, Deduct	-141.85	
26 05 19 16-0431 MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,675.72	483.54
For Installation On Exposed Surface, Deduct	-161.18	
26 05 19 16-0432 MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,154.47	591.02
For Installation On Exposed Surface, Deduct	-197.01	
26 05 19 16-0433 MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,514.68	644.77
For Installation On Exposed Surface, Deduct	-214.92	
26 05 19 16-0434 MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,147.48	664.93
For Installation On Exposed Surface, Deduct	-221.64	
26 05 19 16-0435 MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,834.49	830.68
For Installation On Exposed Surface, Deduct	-276.89	
26 05 19 16-0436 MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,643.08	970.80
For Installation On Exposed Surface, Deduct	-323.60	
26 05 19 16-0437 MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable.....	650.80	238.44
For Installation On Exposed Surface, Deduct	-79.42	
26 05 19 16-0438 MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable.....	770.41	266.53
For Installation On Exposed Surface, Deduct	-88.84	
26 05 19 16-0439 MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable.....	904.04	306.85
For Installation On Exposed Surface, Deduct	-102.28	
26 05 19 16-0440 MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,046.42	334.28
For Installation On Exposed Surface, Deduct	-111.43	
26 05 19 16-0441 MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,349.43	407.36
For Installation On Exposed Surface, Deduct	-135.79	
26 05 19 16-0442 MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,580.18	447.95
For Installation On Exposed Surface, Deduct	-149.32	
26 05 19 16-0443 MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,935.60	508.98
For Installation On Exposed Surface, Deduct	-169.66	
26 05 19 16-0444 MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,498.63	622.10
For Installation On Exposed Surface, Deduct	-207.37	
26 05 19 16-0445 MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,931.15	678.65
For Installation On Exposed Surface, Deduct	-226.22	
26 05 19 16-0446 MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable.....	3,715.64	699.93
For Installation On Exposed Surface, Deduct	-233.31	
26 05 19 16-0447 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable.....	4,519.78	874.35
For Installation On Exposed Surface, Deduct	-291.45	
26 05 19 16-0448 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable.....	5,484.51	1,021.89
For Installation On Exposed Surface, Deduct	-340.63	
26 05 19 16-0449 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable.....	722.89	248.90
For Installation On Exposed Surface, Deduct	-82.96	
26 05 19 16-0450 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable.....	895.50	279.97
For Installation On Exposed Surface, Deduct	-93.32	
26 05 19 16-0451 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,064.91	320.01
For Installation On Exposed Surface, Deduct	-106.67	
26 05 19 16-0452 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,226.78	344.65
For Installation On Exposed Surface, Deduct	-114.88	
26 05 19 16-0453 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,700.81	422.47
For Installation On Exposed Surface, Deduct	-140.83	
26 05 19 16-0454 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,998.04	466.62
For Installation On Exposed Surface, Deduct	-155.57	
26 05 19 16-0455 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable.....	2,547.17	520.74
For Installation On Exposed Surface, Deduct	-173.58	
26 05 19 16-0456 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable.....	3,042.28	622.01
For Installation On Exposed Surface, Deduct	-207.37	
26 05 19 16-0457 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable.....	5,746.81	722.80
For Installation On Exposed Surface, Deduct	-240.87	
26 05 19 16-0458 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable.....	4,718.91	845.05
For Installation On Exposed Surface, Deduct	-281.74	
26 05 19 16-0459 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable.....	5,555.20	944.34
For Installation On Exposed Surface, Deduct	-314.78	
26 05 19 16-0460 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable.....	6,755.17	1,103.64
For Installation On Exposed Surface, Deduct	-367.88	
26 05 19 16-0461 MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable.....	885.18	266.53
For Installation On Exposed Surface, Deduct	-88.84	
26 05 19 16-0462 MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable.....	1,101.44	294.90
For Installation On Exposed Surface, Deduct	-98.27	
26 05 19 16-0463 MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable.....	1,374.97	339.33
For Installation On Exposed Surface, Deduct	-113.11	
26 05 19 16-0464 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable.....	1,598.62	361.17
For Installation On Exposed Surface, Deduct	-120.39	
26 05 19 16-0465 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable.....	2,191.53	430.60
For Installation On Exposed Surface, Deduct	-143.53	

26 Electrical
26 05 Common Work Results For Electrical
26 05 19 Low-Voltage Electrical Power Conductors And Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0466 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,745.03 -169.66	508.98
26 05 19 16-0467 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,421.55 -191.41	574.22
26 05 19 16-0468 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,118.20 -219.59	658.77
26 05 19 16-0469 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,929.17 -248.89	746.69
26 05 19 16-0470 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,468.07 -290.89	872.67
26 05 19 16-0471 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	7,472.77 -339.98	1,019.94
26 05 19 16-0472 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	9,114.71 -397.37	1,192.11
26 05 19 16-0473 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,125.03 -93.32	279.97
26 05 19 16-0474 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,483.93 -102.28	307.03
26 05 19 16-0475 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,851.77 -116.65	349.96
26 05 19 16-0476 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,203.26 -126.55	379.64
26 05 19 16-0477 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,053.33 -158.84	476.51
26 05 19 16-0478 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,679.62 -177.78	533.35
26 05 19 16-0479 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,286.62 -207.37	622.10
26 05 19 16-0480 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,112.00 -237.14	711.41
26 05 19 16-0481 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,133.98 -268.77	806.31
26 05 19 16-0482 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	8,088.33 -314.13	942.38
26 05 19 16-0483 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	9,340.42 -367.14	1,101.41
26 05 19 16-0484 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	11,412.18 -429.19	1,287.58
26 05 19 16-0485 ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0010) Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0486 ACSR Cable (26 05 19 16-0485)		
26 05 19 16-0487 MLF #4 AWG ACSR Cable Swan 6/1 Installed On Poles, Aluminum Cable.....	744.25	246.50
26 05 19 16-0488 MLF #4 AWG ACSR Cable Swanate 7/1 Installed On Poles, Aluminum Cable.....	787.58	255.95
26 05 19 16-0489 MLF #2 AWG ACSR Cable Sparrow 6/1 Installed On Poles, Aluminum Cable.....	845.11	265.80
26 05 19 16-0490 MLF #2 AWG ACSR Cable Sparate 7/1 Installed On Poles, Aluminum Cable.....	888.68	275.43
26 05 19 16-0491 MLF #1/0 AWG ACSR Cable Raven 6/1 Installed On Poles, Aluminum Cable.....	978.22	284.77
26 05 19 16-0492 MLF #2/0 AWG ACSR Cable Quail 6/1 Installed On Poles, Aluminum Cable.....	1,135.00	322.81
26 05 19 16-0493 MLF #3/0 AWG ACSR Cable Pigeon 6/1 Installed On Poles, Aluminum Cable.....	1,305.61	360.00
26 05 19 16-0494 MLF #4/0 AWG ACSR Cable Penguin 6/1 Installed On Poles, Aluminum Cable.....	1,492.94	397.71
26 05 19 16-0495 MLF #1 Bare Aluminum Wire.....	1,009.33	322.15
26 05 19 16-0496 MLF 336 AWG ACSR Cable Merlin 18/1 Installed On Pole, Aluminum Cable.....	1,772.96	511.11
26 05 19 16-0497 MLF 477 AWG ACSR Cable Hawk 26/1 Installed On Pole, Aluminum Cable.....	2,019.30	586.28
26 05 19 16-0498 All Aluminum Conductors (26 05 19 16-0485)		
26 05 19 16-0499 MLF 795.0 ACSR Conductor Aluminum.....	14,505.16	4,911.03
26 05 19 16-0500 Single Conductor Installed On Poles (26 05 19 16-0010)		
26 05 19 16-0501 Bare Stranded Conductor (26 05 19 16-0500)		
26 05 19 16-0502 MLF #12 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	636.70	208.85
26 05 19 16-0503 MLF #10 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	749.73	227.65
26 05 19 16-0504 MLF #8 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	863.36	246.67
26 05 19 16-0505 MLF #6 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,065.66	265.80
26 05 19 16-0506 MLF #4 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,304.06	285.00
26 05 19 16-0507 MLF #2 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,882.21	341.84
26 05 19 16-0508 MLF #1 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	2,165.82	379.71
26 05 19 16-0509 MLF #1/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	2,475.12	416.90
26 05 19 16-0510 MLF #2/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	3,333.56	494.48
26 05 19 16-0511 MLF #3/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	4,052.13	568.51
26 05 19 16-0512 MLF #4/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	4,341.82	644.32
26 05 19 16-0513 MLF 250 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	5,508.16	759.37
26 05 19 16-0514 MLF 300 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	5,629.56	799.35
26 05 19 16-0515 MLF 350 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	7,063.69	837.10
26 05 19 16-0516 MLF 400 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	7,817.79	871.45
26 05 19 16-0517 MLF 500 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	9,137.41	908.65
26 05 19 16-0518 Insulated Stranded Conductor (26 05 19 16-0500)		
26 05 19 16-0519 MLF #12 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	692.10	208.85
26 05 19 16-0520 MLF #10 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	821.20	227.65
26 05 19 16-0521 MLF #8 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,004.46	246.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0522 MLF #6 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,092.37	265.80
26 05 19 16-0523 MLF #4 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,344.81	285.00
26 05 19 16-0524 MLF #2 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,823.36	341.84
26 05 19 16-0525 MLF #1 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,159.95	379.71
26 05 19 16-0526 MLF #1/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,557.06	416.90
26 05 19 16-0527 MLF #2/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,081.94	494.48
26 05 19 16-0528 MLF #3/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,701.40	568.51
26 05 19 16-0529 MLF #4/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	4,369.18	644.32
26 05 19 16-0530 MLF 250 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	5,340.75	759.37
26 05 19 16-0531 MLF 300 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	6,072.69	799.35
26 05 19 16-0532 MLF 350 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	6,668.40	837.10
26 05 19 16-0533 MLF 400 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	7,490.04	871.45
26 05 19 16-0534 MLF 500 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	8,440.30	908.65
26 05 19 16-0535 Bare Solid Conductor <small>(26 05 19 16-0500)</small>		
26 05 19 16-0536 MLF #12 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	636.70	208.85
26 05 19 16-0537 MLF #8 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	863.36	246.67
26 05 19 16-0538 MLF #6 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,065.66	265.80
26 05 19 16-0539 MLF #4 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,287.22	285.00
26 05 19 16-0540 Multi-Conductor Cords, Cables And Associated Equipment <small>(26 05 19 16-0010)</small>		
26 05 19 16-0541 Multi-Conductor Cords <small>(26 05 19 16-0540)</small>		
Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0542 Multi-Conductor Type SOOW And SJOOW Cord <small>(26 05 19 16-0541)</small>		
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0543 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0542)</small>		
26 05 19 16-0544 #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0543)</small>		
26 05 19 16-0545 LF 2/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.71	0.20
26 05 19 16-0546 LF 3/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.76	0.20
26 05 19 16-0547 LF 4/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.91	0.20
26 05 19 16-0548 #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0543)</small>		
26 05 19 16-0549 LF 2/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.82	0.20
26 05 19 16-0550 LF 3/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.91	0.20
26 05 19 16-0551 LF 4/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.04	0.20
26 05 19 16-0552 #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0543)</small>		
26 05 19 16-0553 LF 2/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.99	0.20
26 05 19 16-0554 LF 3/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.14	0.20
26 05 19 16-0555 LF 4/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.42	0.20
26 05 19 16-0556 #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0543)</small>		
26 05 19 16-0557 LF 2/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.24	0.20
26 05 19 16-0558 LF 3/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.41	0.20
26 05 19 16-0559 LF 4/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.66	0.20
26 05 19 16-0560 #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0543)</small>		
26 05 19 16-0561 LF 2/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.73	0.25
26 05 19 16-0562 LF 3/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.85	0.25
26 05 19 16-0563 LF 4/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.03	0.25
26 05 19 16-0564 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0542)</small>		
26 05 19 16-0565 #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0564)</small>		
26 05 19 16-0566 LF 2/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	0.76	0.20
26 05 19 16-0567 LF 3/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	0.86	0.20
26 05 19 16-0568 LF 4/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.00	0.20
26 05 19 16-0569 LF 5/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	1.98	0.27
26 05 19 16-0570 LF 6/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.20	0.28
26 05 19 16-0571 LF 7/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.36	0.29
26 05 19 16-0572 LF 8/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.65	0.30
26 05 19 16-0573 LF 10/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.11	0.31
26 05 19 16-0574 LF 12/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.62	0.32
26 05 19 16-0575 LF 14/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.00	0.33
26 05 19 16-0576 LF 16/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.09	0.34
26 05 19 16-0577 LF 18/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.22	0.34
26 05 19 16-0578 LF 20/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.88	0.35
26 05 19 16-0579 LF 24/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.62	0.36
26 05 19 16-0580 LF 30/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.93	0.38

26 Electrical
26 05 Common Work Results For Electrical
26 05 19 Low-Voltage Electrical Power Conductors And Cables



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 19 16-0581	#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord	<small>(26 05 19 16-0584)</small>		
26 05 19 16-0582	LF 2/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		0.91	0.20
26 05 19 16-0583	LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.00	0.20
26 05 19 16-0584	LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.18	0.20
26 05 19 16-0585	LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		2.10	0.27
26 05 19 16-0586	LF 6/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		2.36	0.28
26 05 19 16-0587	LF 7/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		2.62	0.29
26 05 19 16-0588	LF 8/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		2.96	0.30
26 05 19 16-0589	LF 9/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		3.09	0.31
26 05 19 16-0590	LF 10/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		3.49	0.31
26 05 19 16-0591	LF 12/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		4.17	0.32
26 05 19 16-0592	LF 14/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		4.52	0.33
26 05 19 16-0593	LF 16/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		5.18	0.34
26 05 19 16-0594	LF 18/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		6.09	0.34
26 05 19 16-0595	LF 20/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		6.91	0.35
26 05 19 16-0596	LF 24/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		8.50	0.36
26 05 19 16-0597	LF 26/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		9.41	0.37
26 05 19 16-0598	LF 30/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		11.07	0.38
26 05 19 16-0599	#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord	<small>(26 05 19 16-0584)</small>		
26 05 19 16-0600	LF 2/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.16	0.20
26 05 19 16-0601	LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.27	0.20
26 05 19 16-0602	LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.53	0.20
26 05 19 16-0603	LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		2.91	0.27
26 05 19 16-0604	LF 6/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		3.60	0.28
26 05 19 16-0605	LF 7/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		3.81	0.29
26 05 19 16-0606	LF 8/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		4.37	0.30
26 05 19 16-0607	LF 9/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		4.73	0.31
26 05 19 16-0608	LF 10/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		5.34	0.31
26 05 19 16-0609	LF 12/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		5.92	0.32
26 05 19 16-0610	LF 14/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		6.61	0.33
26 05 19 16-0611	LF 16/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		8.08	0.34
26 05 19 16-0612	LF 20/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		9.12	0.35
26 05 19 16-0613	LF 24/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		10.88	0.36
26 05 19 16-0614	LF 30/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		12.97	0.38
26 05 19 16-0615	#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord	<small>(26 05 19 16-0584)</small>		
26 05 19 16-0616	LF 2/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.43	0.20
26 05 19 16-0617	LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.62	0.20
26 05 19 16-0618	LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.82	0.20
26 05 19 16-0619	LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		3.43	0.27
26 05 19 16-0620	LF 6/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		4.06	0.28
26 05 19 16-0621	LF 7/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		4.70	0.29
26 05 19 16-0622	LF 8/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		5.41	0.30
26 05 19 16-0623	LF 9/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		5.89	0.31
26 05 19 16-0624	LF 10/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		6.75	0.31
26 05 19 16-0625	LF 12/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		7.76	0.32
26 05 19 16-0626	LF 14/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		8.71	0.33
26 05 19 16-0627	LF 16/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		9.65	0.34
26 05 19 16-0628	LF 18/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		10.09	0.34
26 05 19 16-0629	LF 20/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		11.73	0.35
26 05 19 16-0630	LF 24/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		13.43	0.36
26 05 19 16-0631	LF 26/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		15.12	0.37
26 05 19 16-0632	LF 28/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		15.65	0.37
26 05 19 16-0633	LF 30/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		16.24	0.38
26 05 19 16-0634	#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord	<small>(26 05 19 16-0584)</small>		
26 05 19 16-0635	LF 2/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.68	0.25
26 05 19 16-0636	LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		1.85	0.25
26 05 19 16-0637	LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		2.02	0.25
26 05 19 16-0638	LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		2.88	0.27
26 05 19 16-0639	LF 6/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		5.11	0.28
26 05 19 16-0640	LF 7/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		6.10	0.29
26 05 19 16-0641	LF 10/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		8.00	0.31
26 05 19 16-0642	LF 12/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		9.25	0.32
26 05 19 16-0643	LF 16/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		11.97	0.34
26 05 19 16-0644	LF 20/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)		17.73	0.35
26 05 19 16-0645	#8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord	<small>(26 05 19 16-0584)</small>		
26 05 19 16-0646	LF 3/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		3.74	0.31
26 05 19 16-0647	LF 4/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		4.11	0.36
26 05 19 16-0648	LF 5/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		5.87	0.36
26 05 19 16-0649	#6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord	<small>(26 05 19 16-0584)</small>		
26 05 19 16-0650	LF 3/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)		5.65	0.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0651 LF 4/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.86	0.41
26 05 19 16-0652 LF 5/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.23	0.51
26 05 19 16-0653 #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0654)		
26 05 19 16-0654 LF 3/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	9.20	0.51
26 05 19 16-0655 LF 4/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.16	0.56
26 05 19 16-0656 LF 5/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	12.39	0.61
26 05 19 16-0657 #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0658)		
26 05 19 16-0658 LF 3/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	13.14	1.02
26 05 19 16-0659 LF 4/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	16.78	1.27
26 05 19 16-0660 LF 5/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	19.89	1.69
26 05 19 16-0661 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0662)		
26 05 19 16-0662 #18, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0663)		
26 05 19 16-0663 LF 2/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.05	0.20
26 05 19 16-0664 LF 3/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.21	0.20
26 05 19 16-0665 LF 4/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.54	0.20
26 05 19 16-0666 #16, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0667)		
26 05 19 16-0667 LF 2/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.15	0.20
26 05 19 16-0668 LF 3/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.41	0.20
26 05 19 16-0669 LF 4/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.53	0.20
26 05 19 16-0670 #14, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0671)		
26 05 19 16-0671 LF 2/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.80	0.20
26 05 19 16-0672 LF 3/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.86	0.20
26 05 19 16-0673 LF 4/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.77	0.25
26 05 19 16-0674 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0675)		
26 05 19 16-0675 #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0676)		
26 05 19 16-0676 LF 2/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	1.72	0.20
26 05 19 16-0677 LF 3/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.16	0.20
26 05 19 16-0678 LF 4/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.63	0.20
26 05 19 16-0679 #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0680)		
26 05 19 16-0680 LF 2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	1.88	0.20
26 05 19 16-0681 LF 3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.33	0.20
26 05 19 16-0682 LF 4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.05	0.20
26 05 19 16-0683 LF 5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.30	0.25
26 05 19 16-0684 #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0685)		
26 05 19 16-0685 LF 3/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.44	0.20
26 05 19 16-0686 LF 4/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.02	0.20
26 05 19 16-0687 LF 5/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.40	0.25
26 05 19 16-0688 #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0689)		
26 05 19 16-0689 LF 3/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.99	0.20
26 05 19 16-0690 LF 4/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.51	0.20
26 05 19 16-0691 LF 5/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.93	0.25
26 05 19 16-0692 #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0693)		
26 05 19 16-0693 LF 3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.46	0.25
26 05 19 16-0694 LF 4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.92	0.25
26 05 19 16-0695 LF 5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.35	0.25
26 05 19 16-0696 Multi-Conductor Type SEOW Cord (26 05 19 16-0697)		
Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0697 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0698)		
26 05 19 16-0698 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0699)		
26 05 19 16-0699 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.17	0.20
26 05 19 16-0700 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.34	0.20
26 05 19 16-0701 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.28	0.25

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0702			#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0697)</small>		
26 05 19 16-0703	LF		3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.71	0.20
26 05 19 16-0704	LF		4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.05	0.20
26 05 19 16-0705	LF		5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.13	0.25
26 05 19 16-0706			#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0697)</small>		
26 05 19 16-0707	LF		3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.26	0.20
26 05 19 16-0708	LF		4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.70	0.20
26 05 19 16-0709	LF		5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.50	0.25
26 05 19 16-0710			#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0697)</small>		
26 05 19 16-0711	LF		3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.97	0.25
26 05 19 16-0712	LF		4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.50	0.25
26 05 19 16-0713	LF		5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.76	0.25
26 05 19 16-0714			Multi-Conductor Type W Cord <small>(26 05 19 16-0541)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0715			2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0714)</small>		
26 05 19 16-0716			#8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0715)</small>		
26 05 19 16-0717	LF		3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.18	0.31
26 05 19 16-0718	LF		4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.52	0.36
26 05 19 16-0719	LF		5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.45	0.36
26 05 19 16-0720			#6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0715)</small>		
26 05 19 16-0721	LF		3/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.46	0.36
26 05 19 16-0722	LF		4/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.34	0.41
26 05 19 16-0723	LF		5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.68	0.51
26 05 19 16-0724			#4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0715)</small>		
26 05 19 16-0725	LF		3/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.41	0.36
26 05 19 16-0726	LF		4/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.58	0.41
26 05 19 16-0727	LF		5/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	9.84	0.51
26 05 19 16-0728			Cord Grips, Cable Reels, Extension Cords, And Accessories <small>(26 05 19 16-0540)</small>		
26 05 19 16-0729			Cord Grips <small>(26 05 19 16-0728)</small>		
26 05 19 16-0730	EA		Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	32.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 19 16-0731	EA		Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	33.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.28	
26 05 19 16-0732			Cable Reels <small>(26 05 19 16-0728)</small> Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0733	EA		30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	520.71	25.52
26 05 19 16-0734	EA		50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,529.83	25.52
26 05 19 16-0735	EA		50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,130.93	25.52
26 05 19 16-0736			Extension Cords <small>(26 05 19 16-0728)</small>		
26 05 19 16-0737	EA		Extension Cord, 120 Volt 12/3, 100 Ft.....	94.56	
26 05 19 16-0738	EA		Extension Cord, 240 Volt 10/3, 100 Ft.....	142.49	
26 05 19 16-0739			Plugs And Connector Bodies <small>(26 05 19 16-0728)</small> Note: Up to 277 volts.		
26 05 19 16-0740			NEMA Twist-Lock Plugs <small>(26 05 19 16-0739)</small>		
26 05 19 16-0741	EA		15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	44.47	
26 05 19 16-0742	EA		15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	45.92	
26 05 19 16-0743	EA		20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	39.79	
26 05 19 16-0744	EA		20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	44.28	
26 05 19 16-0745	EA		20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	65.36	
26 05 19 16-0746	EA		20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	71.06	
26 05 19 16-0747	EA		20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	76.65	
26 05 19 16-0748	EA		30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	66.21	
26 05 19 16-0749	EA		30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	79.93	
26 05 19 16-0750	EA		30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	82.60	
26 05 19 16-0751	EA		30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	86.00	
26 05 19 16-0752			NEMA Twist-Lock Connector Bodies <small>(26 05 19 16-0739)</small>		
26 05 19 16-0753	EA		15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	48.60	
26 05 19 16-0754	EA		15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	53.76	
26 05 19 16-0755	EA		20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	42.89	



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like '20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body' and 'Watertight Pin And Sleeve Plug'.

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 16-0824	EA	3/4"	90 Degree Nylon Cord Connector.....	23.78	5.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 19 16-0825	EA	3/4"	Straight Steel Cord Connector With Strain Relief Mesh.....	38.88	7.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.59	
26 05 19 16-0826	EA	3/4"	90 Degree Steel Cord Connector With Strain Relief Mesh.....	46.36	8.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	
26 05 19 16-0827	EA	3/4"	Straight Nylon Cord Connector With Strain Relief Mesh.....	25.18	6.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 19 16-0828	EA	3/4"	90 Degree Nylon Cord Connector With Strain Relief Mesh.....	30.45	7.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 19 16-0829	EA	1"	Straight Steel Cord Connector.....	42.12	5.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 19 16-0830	EA	1"	Straight Nylon Cord Connector.....	23.62	3.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 19 16-0831	EA	1"	90 Degree Steel Cord Connector.....	46.16	6.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 19 16-0832	EA	1"	90 Degree Nylon Cord Connector.....	26.91	5.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 19 16-0833	EA	1"	Straight Steel Cord Connector With Strain Relief Mesh.....	48.82	7.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.59	
26 05 19 16-0834	EA	1"	90 Degree Steel Cord Connector With Strain Relief Mesh.....	52.93	8.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	
26 05 19 16-0835	EA	1"	Straight Nylon Cord Connector With Strain Relief Mesh.....	30.22	6.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 19 16-0836	EA	1"	90 Degree Nylon Cord Connector With Strain Relief Mesh.....	34.72	7.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	

26 05 19 23 Manufactured Wiring Assemblies (26 05 19)**26 05 19 23-0001 Festoon Cable Systems Complete System (26 05 19 23)****26 05 19 23-0002 Components (26 05 19 23-0001)**

26 05 19 23-0003	LF	20'	C Channel Type Track, Galvanized Steel Festoon Cable System Components.....	7.35	3.06
26 05 19 23-0004	EA		Channel Track Hanger, Plated Steel Festoon Cable System Components.....	29.01	11.23
26 05 19 23-0005	EA		Channel Track Joint Clamp Assembly Festoon Cable System Components.....	24.29	11.23
26 05 19 23-0006	EA		End Stop For Channel Track Festoon Cable System Components.....	6.27	2.55
26 05 19 23-0007	EA		End Clamp And Cable Saddle Assembly With Steel Saddle, Festoon Cable System.....	31.34	12.76
26 05 19 23-0008	EA		Cable Supplying Trolley, Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable.....	44.72	1.02
26 05 19 23-0009	EA		Towing Trolley Assembly With Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable.....	51.05	1.02
26 05 19 23-0010	EA		J-Box With 2 Terminal Blocks And Bracket Festoon Cable System Components.....	205.20	63.80
26 05 19 23-0011	EA		Watertight Connector For Flat Cable Festoon Cable System Components.....	19.93	5.12

26 05 19 23-0012 Cable (26 05 19 23-0001)

26 05 19 23-0013	LF	12/c #16	Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	4.30	1.02
26 05 19 23-0014	LF	12/c #14	Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	4.80	1.02
26 05 19 23-0015	LF	8/c #16	Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	3.79	1.02
26 05 19 23-0016	LF	8/c #14	Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	3.95	1.02
26 05 19 23-0017	LF	7/c #12	Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	4.51	1.02
26 05 19 23-0018	LF	4/c #14	Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	3.05	1.02
26 05 19 23-0019	LF	4/c #12	Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	3.32	1.02

26 05 19 23-0020 Complete Systems (26 05 19 23-0001)

26 05 19 23-0021	EA		Festoon System, 80' Long, Complete With 7/c #12 And 4/c #14, Wet Environment.....	3,506.36	1,020.77
			Note: Includes 10 each cable trolleys with steel saddle, stainless steel wheels, 1 each J-box with terminal strips and brackets, 80 LF C type track, 20' sections, 9 each hangars, 3 each joints, 2 each end stop, 1 each end clamp with steel saddle, 1 each towing trolley with steel saddle, 2 each watertight connectors for 4/c #14, 2 each watertight connectors for 7/c #12, 80 LF each type cable as listed.		

26 05 23 Control-Voltage Electrical Power Cables (26 05)**26 05 23 00-0001 Cable For Sound System (26 05 23)****26 05 23 00-0002 Shielded Conductors (26 05 23 00-0001)**

Note: One pair, stranded or solid, copper, PVC jacketed, sizes as indicated on tasks.

26 05 23 00-0003	MLF	1 Pair #20	AWG Sound System, Placed In Conduit, Shielded.....	515.56	186.65
26 05 23 00-0004	MLF	1 Pair #14	AWG Sound System, Placed In Conduit, Shielded.....	889.41	186.65
26 05 23 00-0005	MLF	3 Conductor, #16	AWG Sound System, Placed In Conduit, Shielded.....	724.68	110.75
26 05 23 00-0006	MLF	6 Conductor, #18	AWG Sound System, Placed In Conduit, Shielded.....	766.26	113.11

26 05 23 00-0007 Cable For HVAC System Controls (26 05 23)**26 05 23 00-0008 Low Voltage Thermostat Cable To 300 Volts (26 05 23 00-0007)**

Note: For surface or conduit installation.

26 05 23 00-0009	MLF	#20/2	Conductor, Low Volt Thermostat Cable.....	249.89	59.50
26 05 23 00-0010	MLF	#20/3	Conductor, Low Volt Thermostat Cable.....	296.87	62.67
26 05 23 00-0011	MLF	#20/4	Conductor, Low Volt Thermostat Cable.....	325.48	66.26
26 05 23 00-0012	MLF	#20/5	Conductor, Low Volt Thermostat Cable.....	414.30	69.06
26 05 23 00-0013	MLF	#20/6	Conductor, Low Volt Thermostat Cable.....	436.72	72.32
26 05 23 00-0014	MLF	#20/7	Conductor, Low Volt Thermostat Cable.....	487.94	75.33
26 05 23 00-0015	MLF	#20/8	Conductor, Low Volt Thermostat Cable.....	531.29	78.35
26 05 23 00-0016	MLF	#20/9	Conductor, Low Volt Thermostat Cable.....	584.79	81.47
26 05 23 00-0017	MLF	#20/10	Conductor, Low Volt Thermostat Cable.....	637.47	83.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 23 00-0018 MLF #18/2 Conductor, Low Volt Thermostat Cable	282.77	59.50
26 05 23 00-0019 MLF #18/3 Conductor, Low Volt Thermostat Cable	355.53	62.67
26 05 23 00-0020 MLF #18/4 Conductor, Low Volt Thermostat Cable	418.55	66.26
26 05 23 00-0021 MLF #18/5 Conductor, Low Volt Thermostat Cable	452.71	69.06
26 05 23 00-0022 MLF #18/6 Conductor, Low Volt Thermostat Cable	513.89	72.32
26 05 23 00-0023 MLF #18/7 Conductor, Low Volt Thermostat Cable	523.37	75.33
26 05 23 00-0024 MLF #18/8 Conductor, Low Volt Thermostat Cable	585.37	78.35
26 05 23 00-0025 MLF #18/9 Conductor, Low Volt Thermostat Cable	714.54	81.47
26 05 23 00-0026 MLF #18/10 Conductor, Low Volt Thermostat Cable	797.50	83.92

26 05 26 Grounding And Bonding For Electrical Systems (26 05)

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)

26 05 26 00-0002 Single Conductor (26 05 26 00-0001)

26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0004 MLF 12 AWG Copper Bare Single Stranded Conductor	263.66	88.19
26 05 26 00-0005 MLF 10 AWG Copper Bare Single Stranded Conductor	360.41	88.19
26 05 26 00-0006 MLF 8 AWG Copper Bare Single Stranded Conductor	457.53	106.24
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor	653.26	106.24
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor	898.03	128.29
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor	1,449.77	128.29
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor	1,687.69	154.34
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor	1,983.02	154.34
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor	2,812.82	194.43
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor	3,484.73	194.43
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor	3,675.16	258.57
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor	4,756.58	258.57
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor	4,757.19	298.65
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor	6,470.13	298.65
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor	8,870.33	368.81

26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor	536.14	120.26
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor	559.00	120.26
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor	728.14	120.26
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor	814.93	208.46
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor	1,124.59	208.46
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor	1,618.11	208.46
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor	1,971.71	364.81
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor	2,421.48	364.81
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor	2,862.78	364.81
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor	3,439.90	364.81
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor	4,082.93	477.06
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor	4,975.64	477.06
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor	5,822.95	477.06
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor	6,754.26	741.64
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor	8,896.87	741.64

26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)

26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor	263.66	88.19
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor	360.41	88.19
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor	457.53	106.24
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor	653.26	106.24
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor	898.03	128.29
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor	1,449.77	128.29
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor	1,983.02	154.34
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor	3,675.16	204.45

26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor	318.48	106.24
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor	356.48	106.24
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor	415.82	128.29
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor	539.32	128.29
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor	642.86	154.34
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor	736.67	154.34
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor	846.63	194.43
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor	986.26	194.43
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor	1,169.08	258.57
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor	1,325.99	258.57
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor	1,624.77	298.65
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor	1,875.40	298.65
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor	2,196.21	368.81

26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)

26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor	318.48	106.24
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor	356.48	106.24
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor	415.82	128.29

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 26 00-0062	MLF	2 AWG Aluminum Bare Single Solid Conductor	539.32	128.29
26 05 26 00-0063	MLF	1 AWG Aluminum Bare Single Solid Conductor	626.68	204.45
26 05 26 00-0064	MLF	1/0 AWG Aluminum Bare Single Solid Conductor.....	736.67	204.45
26 05 26 00-0065	MLF	2/0 AWG Aluminum Bare Single Solid Conductor.....	806.56	194.43
26 05 26 00-0066	MLF	3/0 AWG Aluminum Bare Single Solid Conductor.....	905.56	194.43
26 05 26 00-0067	MLF	4/0 AWG Aluminum Bare Single Solid Conductor.....	1,169.08	258.57
26 05 26 00-0068	MLF	250 MCM Aluminum Bare Single Solid Conductor.....	1,325.99	258.57
26 05 26 00-0069	MLF	300 MCM Aluminum Bare Single Solid Conductor.....	1,624.77	298.65
26 05 26 00-0070	MLF	350 MCM Aluminum Bare Single Solid Conductor.....	1,875.40	298.65
26 05 26 00-0071	MLF	500 MCM Aluminum Bare Single Solid Conductor.....	2,196.21	368.81
26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)				
26 05 26 00-0073	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	1.33	0.35
26 05 26 00-0074	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	1.46	0.39
26 05 26 00-0075	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	1.76	0.44
26 05 26 00-0076	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	1.76	0.45
26 05 26 00-0077	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor.....	1.85	0.47
26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)				
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.				
26 05 26 00-0079	EA	100 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	78.17	12.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 26 00-0080	EA	225 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	142.51	15.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.19	
26 05 26 00-0081	EA	225 Amp, Copper Flexible Braid Jumper Strap, 18" Length.....	187.31	15.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.19	
26 05 26 00-0082	EA	225 Amp, Copper Flexible Braid Jumper Strap, 24" Length.....	231.49	15.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.19	
26 05 26 00-0083	EA	400 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	193.54	16.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.48	
26 05 26 00-0084	EA	400 Amp, Copper Flexible Braid Jumper Strap, 18" Length.....	257.99	16.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.48	
26 05 26 00-0085	EA	400 Amp, Copper Flexible Braid Jumper Strap, 24" Length.....	313.98	16.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.48	
26 05 26 00-0086	EA	600 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	256.31	21.06
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
26 05 26 00-0087	EA	800 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	308.01	25.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 05 26 00-0088 Bonding Jumper For Metallic Conduit (26 05 26 00-0001)				
26 05 26 00-0089	EA	1/2" To 1" Conductor, Bonding Jumper - Metallic Conduit.....	93.34	28.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.95	
26 05 26 00-0090	EA	1-1/4" To 2" Conductor, Bonding Jumper - Metallic Conduit.....	115.05	28.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.63	
26 05 26 00-0091	EA	2-1/2" To 4" Conductor, Bonding Jumper - Metallic Conduit.....	179.21	43.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.20	
26 05 26 00-0092	EA	5" To 6" Conductor, Bonding Jumper - Metallic Conduit.....	276.31	43.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.35	
26 05 26 00-0093 Ground Rods (26 05 26)				
26 05 26 00-0094 Copper-Clad Ground Rods (26 05 26 00-0093)				
26 05 26 00-0095	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	49.07	38.28
26 05 26 00-0096	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	51.92	38.28
26 05 26 00-0097	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	63.38	38.28
26 05 26 00-0098	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	58.16	38.28
26 05 26 00-0099	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	61.71	38.28
26 05 26 00-0100	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	76.05	38.28
26 05 26 00-0101 Ground Access Wells (26 05 26 00-0093)				
26 05 26 00-0102 Precast Ground Access Wells (26 05 26 00-0101)				
26 05 26 00-0103	EA	8" Diameter x 24" Deep Precast Ground Access Well	132.94	
		Note: With cast iron grate.		
26 05 26 00-0104	EA	10" Diameter x 24" Deep Precast Ground Access Well	136.27	
		Note: With cast iron grate.		
26 05 26 00-0105	EA	12" Diameter x 24" Deep Precast Ground Access Well	445.48	
		Note: With cast iron grate.		
26 05 26 00-0106	EA	18" Diameter x 24" Deep Precast Ground Access Well	448.79	
		Note: With cast iron grate.		
26 05 26 00-0107 Polyvinyl Chloride (PVC) Ground Access Well (26 05 26 00-0101)				
26 05 26 00-0108	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	266.71	
		Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0109	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	315.71	
		Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0110	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	600.16	
		Note: Schedule 40 with cast iron grated cover.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0111 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	254.21	
26 05 26 00-0112 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	261.86	
26 05 26 00-0113 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	574.84	
26 05 26 00-0114 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	136.44	
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	145.83	
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	154.39	
26 05 26 00-0117 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	101.48	
26 05 26 00-0118 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	155.90	
26 05 26 00-0119 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	285.03	
26 05 26 00-0120 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	383.57	
26 05 26 00-0121 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	225.83	
26 05 26 00-0122 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	335.18	
26 05 26 00-0123 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	359.30	
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	437.72	
26 05 26 00-0125 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	186.24	
26 05 26 00-0126 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	336.85	
26 05 26 00-0127 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	363.33	
26 05 26 00-0128 Polymer Concrete Ground Access Well (26 05 26 00-0101)		
26 05 26 00-0129 EA 12" x 12" x 12" Polymer Concrete Ground Access Well	277.44	
26 05 26 00-0130 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well	305.94	
26 05 26 00-0131 EA 12" x 12" x 18" Polymer Concrete Ground Access Well	306.77	
26 05 26 00-0132 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well	338.19	
26 05 26 00-0133 EA 12" x 12" x 24" Polymer Concrete Ground Access Well	337.27	
26 05 26 00-0134 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well	371.89	
26 05 26 00-0135 EA 13" x 24" x 18" Polymer Concrete Ground Access Well	455.94	
26 05 26 00-0136 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well	503.38	
26 05 26 00-0137 High Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0101)		
26 05 26 00-0138 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	92.31	
26 05 26 00-0139 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	130.97	
26 05 26 00-0140 Ground Rod Clamps And Fittings (26 05 26)		
26 05 26 00-0141 Bronze Ground Rod Clamp (26 05 26 00-0140)		
26 05 26 00-0142 EA 1/2" Bronze Ground Rod Clamp	11.68	5.77
26 05 26 00-0143 EA 5/8" Bronze Ground Rod Clamp	12.40	5.77
26 05 26 00-0144 EA 3/4" Bronze Ground Rod Clamp	13.42	5.77
26 05 26 00-0145 Bronze Pipe Clamps (26 05 26 00-0140)		
26 05 26 00-0146 EA 1/2" To 1" Bronze Pipe Ground Clamps.....	15.14	9.59
26 05 26 00-0147 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe.....	20.60	11.48
26 05 26 00-0148 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe.....	37.72	13.42
26 05 26 00-0149 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe.....	44.53	17.25
26 05 26 00-0150 EA 4" To 6" Bronze Ground Clamps For Pipe.....	71.01	24.91
26 05 26 00-0151 Grounding Fittings (26 05 26 00-0140)		
26 05 26 00-0152 Embedded Fittings (26 05 26 00-0151)		
26 05 26 00-0153 EA Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	78.90	
26 05 26 00-0154 EA Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	85.39	
26 05 26 00-0155 EA Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded.....	96.91	
26 05 26 00-0156 EA Grounding Wire Splice, Copper To Aluminum, #8 - 1 AWG.....	69.44	
26 05 26 00-0157 EA Grounding Wire Splice, Copper To Aluminum, 1/0 - 3/0 AWG.....	83.14	
26 05 26 00-0158 EA Grounding Wire Splice, Copper To Aluminum, 4/0 - 300 MCM.....	97.78	
26 05 26 00-0159 EA Grounding Wire Splice, Copper To Aluminum, 350 MCM And Up.....	110.81	
26 05 26 00-0160 Ground Rod Receptacle (26 05 26 00-0151)		
26 05 26 00-0161 EA 1/2" Ground Rod Receptacle.....	172.23	53.08
26 05 26 00-0162 EA 5/8" Ground Rod Receptacle.....	181.04	54.58
26 05 26 00-0163 EA 3/4" Ground Rod Receptacle.....	190.01	56.06

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0164			Ground Kits For Circuit Breaker Panels (26 05 26 00-0151)		
26 05 26 00-0165	EA		14-8 AWG Copper Ground Kit	37.75	12.76
26 05 26 00-0166	EA		12-8 AWG Aluminum Ground Kit	32.61	12.76
26 05 26 00-0167	EA		14-4 AWG Copper Ground Kit	43.20	12.76
26 05 26 00-0168	EA		12-4 AWG Aluminum Ground Kit	37.57	12.76
26 05 26 00-0169			Insulated Grounding Bars (26 05 26 00-0140)		
26 05 26 00-0170	EA		Insulated Ground Bar 1/2" x 4" x 10"	172.57	12.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.97	
26 05 26 00-0171	EA		Insulated Ground Bar SK 9560 1/2" x 4" x 20"	183.12	12.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.97	
26 05 26 00-0172			Ground Conductor Bonding (26 05 26)		
26 05 26 00-0173			Ground Conductor Bonding (26 05 26 00-0172)		
26 05 26 00-0174			Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld (26 05 26 00-0173)		
26 05 26 00-0175	EA		Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	65.54	
			Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0176	EA		#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	70.64	
			Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0177	EA		1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	75.74	
			Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0178	EA		250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	106.36	
			Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0179			Tee, Wye Or Cross Cadweld (26 05 26 00-0173)		
26 05 26 00-0180	EA		Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross	73.19	
			Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0181	EA		#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross	83.40	
			Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0182	EA		1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross	101.27	
			Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0183	EA		250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross	121.68	
			Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0184			Grounding Equipment (26 05 26)		
26 05 26 00-0185			Special Grounding Equipment (26 05 26 00-0184)		
26 05 26 00-0186			Ground Reels And Ground Bus (26 05 26 00-0185)		
26 05 26 00-0187	EA		Ground Reel With 50' Of Galvanized Steel Cable	452.82	
26 05 26 00-0188			Copper Bars (26 05 26 00-0185)		
26 05 26 00-0189	LF		1/4" x 2" Copper Bar	25.34	
26 05 26 00-0190			Phenolic Insulators (26 05 26 00-0185)		
26 05 26 00-0191	EA		2" x 2" x 1" Long Phenolic Insulators	15.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 26 00-0192			Grounding Studs (26 05 26 00-0185)		
26 05 26 00-0193	EA		Ball Grounding Stud	21.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.57	
26 05 26 00-0194			Equipment Ground Bar Kits (26 05 26 00-0185)		
26 05 26 00-0195	EA		Switch Rating 30 Ground Bar Kit	17.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 26 00-0196	EA		Switch Rating 60 Ground Bar Kit	23.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 05 26 00-0197	EA		Switch Rating 100 Ground Bar Kit	27.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 26 00-0198	EA		Switch Rating 200 Ground Bar Kit	50.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 26 00-0199			Panelboard Ground Bar Kits (26 05 26 00-0185)		
26 05 26 00-0200	EA		Panelboard Ground Bar Kit	78.22	3.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 26 00-0201			Circuit Breaker Ground Bar Kits (26 05 26 00-0185)		
26 05 26 00-0202	EA		3 Circuit, Ground Bar Kit	15.00	2.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 26 00-0203	EA		4 Circuit, Ground Bar Kit	14.66	2.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 26 00-0204	EA		7 Circuit, Ground Bar Kit	15.22	2.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0205	EA		12 Circuit, Ground Bar Kit.....	17.25	2.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.60	
26 05 26 00-0206	EA		20 Circuit, Ground Bar Kit.....	19.75	2.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.91	
26 05 26 00-0207	EA		24 Circuit, Ground Bar Kit.....	21.78	3.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 26 00-0208	EA		30 Circuit, Ground Bar Kit.....	24.20	3.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.67	
26 05 26 00-0209	EA		54 Circuit, Ground Bar Kit.....	27.95	4.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 26 00-0210	EA		24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	33.18	3.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 26 00-0211	EA		30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	36.51	3.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.67	
26 05 26 00-0212	EA		54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	40.36	4.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	

26 05 29 Hangers And Supports For Electrical Systems (26 05)

26 05 29 00-0001			Metal Framing Channel And Fittings (26 05 29)		
26 05 29 00-0002			Metal Framing Channel (26 05 29 00-0001)		
26 05 29 00-0003			14 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0004			14 Gauge, Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0005	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	10.89	2.80
26 05 29 00-0006	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	13.83	2.80
26 05 29 00-0007	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	6.46	1.05
26 05 29 00-0008			14 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0009	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	19.61	2.80
26 05 29 00-0010	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	22.01	2.80
26 05 29 00-0011	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	31.28	2.80
26 05 29 00-0012	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	36.08	2.80
26 05 29 00-0013	LF		>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	15.18	1.05
26 05 29 00-0014	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	17.58	1.05
26 05 29 00-0015			14 Gauge, 316 Stainless Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0016	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	29.98	2.80
26 05 29 00-0017	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	52.00	2.80
26 05 29 00-0018	LF		>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	25.55	1.05
26 05 29 00-0019			12 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0020			12 Gauge, Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0021	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	11.95	2.80
26 05 29 00-0022	EA		Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	11.59	2.80
26 05 29 00-0023	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	11.36	2.80
26 05 29 00-0024	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	15.95	2.80
26 05 29 00-0025	EA		>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	15.23	2.80
26 05 29 00-0026	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	14.77	2.80
26 05 29 00-0027	LF		>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	7.52	1.05
26 05 29 00-0028	LF		>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	7.16	1.05
26 05 29 00-0029	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	6.93	1.05
26 05 29 00-0030			12 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0031	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	22.81	2.80
26 05 29 00-0032	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	26.95	2.80
26 05 29 00-0033	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	37.67	2.80
26 05 29 00-0034	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	45.95	2.80
26 05 29 00-0035	LF		>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	18.38	1.05
26 05 29 00-0036	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	22.52	1.05
26 05 29 00-0037			Metal Framing Channel Fittings (26 05 29 00-0001)		
26 05 29 00-0038			Unistrut Channel Closure Strips And Caps (26 05 29 00-0037)		
26 05 29 00-0039			Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0040	LF		Steel Raceway Closure Strip, Unistrut Channel Fittings.....	4.14	0.25
26 05 29 00-0041	EA		Steel End Cap, Unistrut Channel Fittings	6.55	2.56
26 05 29 00-0042			Stainless Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0043	EA		Stainless Steel End Cap For Unistrut Channel	11.32	2.56
26 05 29 00-0044			Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0045			Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0046	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	3.88	
26 05 29 00-0047	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	3.85	
26 05 29 00-0048	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	4.79	
26 05 29 00-0049		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0050	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	11.13	
26 05 29 00-0051	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	16.76	
26 05 29 00-0052	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	21.53	
26 05 29 00-0053		90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0054		Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
26 05 29 00-0055	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	3.74	
26 05 29 00-0056	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	3.06	
26 05 29 00-0057	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	5.62	
26 05 29 00-0058	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	5.53	
26 05 29 00-0059		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
26 05 29 00-0060	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	6.19	
26 05 29 00-0061	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	7.85	
26 05 29 00-0062	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	6.59	
26 05 29 00-0063	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	9.54	
26 05 29 00-0064	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	8.68	
26 05 29 00-0065	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	16.37	
26 05 29 00-0066	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	9.15	
26 05 29 00-0067	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	13.45	
26 05 29 00-0068		60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0069		Steel 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0068)		
26 05 29 00-0070	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	8.23	
26 05 29 00-0071		U-Connector, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0072		Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)		
26 05 29 00-0073	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	2.61	
26 05 29 00-0074	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	2.96	
26 05 29 00-0075		Stainless Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)		
26 05 29 00-0076	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting.....	13.35	
26 05 29 00-0077		Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0078		Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)		
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	8.46	
26 05 29 00-0080		Stainless Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)		
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	26.37	
26 05 29 00-0082		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0037)		
Note: Includes hex screw and nut.				
26 05 29 00-0083		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082)		
Note: Includes hex screw and nut.				
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	2.55	0.76
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	2.56	0.76
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	2.64	0.76
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.25	1.03
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.66	1.03
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.70	1.03
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.52	1.28
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.88	1.28
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.23	1.28
26 05 29 00-0093	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.36	1.28
26 05 29 00-0094		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082)		
Note: Includes hex screw and nut.				
26 05 29 00-0095	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	4.56	0.76
26 05 29 00-0096	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	5.19	0.76
26 05 29 00-0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	5.82	0.76
26 05 29 00-0098	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.14	1.03
26 05 29 00-0099	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.89	1.03
26 05 29 00-0100	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.35	1.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0101 EA 2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.17	1.28
26 05 29 00-0102 EA 3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.73	1.28
26 05 29 00-0103 EA 3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.39	1.28
26 05 29 00-0104 EA 4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	15.86	1.28
26 05 29 00-0105 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
Note: Includes hex screw and nut.		
26 05 29 00-0106 EA 1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	4.94	0.76
26 05 29 00-0107 EA 3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	5.83	0.76
26 05 29 00-0108 EA 1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	6.08	0.76
26 05 29 00-0109 EA 1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.27	1.03
26 05 29 00-0110 EA 1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.32	1.03
26 05 29 00-0111 EA 2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.47	1.03
26 05 29 00-0112 EA 2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.35	1.28
26 05 29 00-0113 EA 3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.14	1.28
26 05 29 00-0114 EA 3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	18.76	1.28
26 05 29 00-0115 EA 4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	22.20	1.28
26 05 29 00-0116 Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0117 Steel Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0116)</small>		
26 05 29 00-0118 EA Set Screw Beam Clamp, Steel Unistrut Channel Fitting	19.90	4.67
26 05 29 00-0119 EA "C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	11.75	4.67
26 05 29 00-0120 EA "U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	19.07	4.67
26 05 29 00-0121 304 Stainless Steel Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0116)</small>		
26 05 29 00-0122 EA "U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting.....	27.92	4.67
26 05 29 00-0123 Square Washers For Unistrut Channel <small>(26 05 29 00-0037)</small>		
26 05 29 00-0124 Steel Square Washers For Unistrut Channel <small>(26 05 29 00-0123)</small>		
26 05 29 00-0125 EA 1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	2.66	
26 05 29 00-0126 Stainless Steel Square Washers For Unistrut Channel <small>(26 05 29 00-0123)</small>		
26 05 29 00-0127 EA 1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel.....	2.92	
26 05 29 00-0128 EA 1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel.....	3.77	
26 05 29 00-0129 Strut Braces, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0130 EA 16" Diagonal Steel Bar Brace For Unistrut Channel	24.05	
26 05 29 00-0131 Trolley Hangers, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0132 EA Steel Trolley Track Hanger For Unistrut Channel	29.67	
26 05 29 00-0133 Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0037)</small>		
Note: Includes hex bolt.		
26 05 29 00-0134 Steel Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0133)</small>		
Note: Includes hex bolt.		
26 05 29 00-0135 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	3.96	
26 05 29 00-0136 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	4.46	
26 05 29 00-0137 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	4.83	
26 05 29 00-0138 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	6.84	
26 05 29 00-0139 Stainless Steel Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0133)</small>		
Note: Includes hex bolt.		
26 05 29 00-0140 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	8.47	
26 05 29 00-0141 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	9.06	
26 05 29 00-0142 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	13.07	
26 05 29 00-0143 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	22.81	
26 05 29 00-0144 Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0037)</small>		
Note: Includes hex bolt.		
26 05 29 00-0145 Steel Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0144)</small>		
Note: Includes hex bolt.		
26 05 29 00-0146 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	3.98	
26 05 29 00-0147 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	4.53	
26 05 29 00-0148 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	4.86	
26 05 29 00-0149 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	7.43	
26 05 29 00-0150 Stainless Steel Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0144)</small>		
Note: Includes hex bolt.		
26 05 29 00-0151 EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	5.90	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0152	EA		3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	7.24	
26 05 29 00-0153	EA		1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	7.94	
26 05 29 00-0154	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	22.20	
26 05 29 00-0155			Mounting Assemblies <small>(26 05 29)</small>		
26 05 29 00-0156			Galvanized Steel Mounting Assemblies <small>(26 05 29 00-0155)</small>		
26 05 29 00-0157			Galvanized Steel Back Plate <small>(26 05 29 00-0156)</small>		
26 05 29 00-0158	EA		1/4" x 4' x 4', Galvanized Steel Back Plate, Painted.....	289.55	30.62
26 05 29 00-0159	EA		3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	69.17	10.21
26 05 29 00-0160	EA		3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	175.47	25.52
26 05 29 00-0161			Aluminum Mounting Assemblies <small>(26 05 29 00-0155)</small>		
26 05 29 00-0162			Aluminum Back Plate <small>(26 05 29 00-0161)</small>		
26 05 29 00-0163	EA		3/16" x 2' x 2' Aluminum Back Plate.....	147.19	38.28
26 05 29 00-0164	EA		3/16" x 4' x 4' Aluminum Back Plate.....	389.37	38.28
26 05 29 00-0165			Supports <small>(26 05 29)</small>		
26 05 29 00-0166			One Hole Steel Conduit Straps <small>(26 05 29 00-0165)</small>		
26 05 29 00-0167	EA		1/2", One Hole Steel Conduit Strap	1.98	
			<i>For Work In Restricted Working Space, Add</i>	0.49	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.51	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500, Deduct</i>	-0.53	
26 05 29 00-0168	EA		3/4", One Hole Steel Conduit Strap	2.02	
			<i>For Work In Restricted Working Space, Add</i>	0.49	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.51	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500, Deduct</i>	-0.53	
26 05 29 00-0169	EA		1", One Hole Steel Conduit Strap	2.22	
			<i>For Work In Restricted Working Space, Add</i>	0.49	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.51	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.37	
			<i>For >500, Deduct</i>	-0.55	
26 05 29 00-0170	EA		1-1/4", One Hole Steel Conduit Strap	2.36	
			<i>For Work In Restricted Working Space, Add</i>	0.49	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.51	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500, Deduct</i>	-0.56	
26 05 29 00-0171	EA		1-1/2", One Hole Steel Conduit Strap	2.46	
			<i>For Work In Restricted Working Space, Add</i>	0.49	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.51	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500, Deduct</i>	-0.57	
26 05 29 00-0172	EA		2", One Hole Steel Conduit Strap	3.06	
			<i>For Work In Restricted Working Space, Add</i>	0.49	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.51	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500, Deduct</i>	-0.63	
26 05 29 00-0173	EA		2-1/2", One Hole Steel Conduit Strap	3.67	
			<i>For Work In Restricted Working Space, Add</i>	0.49	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.51	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.70	
26 05 29 00-0174	EA		3", One Hole Steel Conduit Strap	3.87	
			<i>For Work In Restricted Working Space, Add</i>	0.49	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.51	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500, Deduct</i>	-0.72	
26 05 29 00-0175	EA		3-1/2", One Hole Steel Conduit Strap	4.87	
			<i>For Work In Restricted Working Space, Add</i>	0.49	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.51	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500, Deduct</i>	-0.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0176 EA 4", One Hole Steel Conduit Strap .....5.67		
For Work In Restricted Working Space, Add	0.49	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.90	
26 05 29 00-0177 One Hole Iron Conduit Straps (26 05 29 00-0165)		
26 05 29 00-0178 EA 1/2", One Hole Iron Conduit Strap .....2.08		
For Work In Restricted Working Space, Add	0.49	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.09	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.36	
For >500, Deduct	-0.54	
26 05 29 00-0179 EA 3/4", One Hole Iron Conduit Strap .....2.17		
For Work In Restricted Working Space, Add	0.49	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.37	
For >500, Deduct	-0.55	
26 05 29 00-0180 EA 1", One Hole Iron Conduit Strap .....2.35		
For Work In Restricted Working Space, Add	0.49	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.38	
For >500, Deduct	-0.56	
26 05 29 00-0181 EA 1-1/4", One Hole Iron Conduit Strap .....2.76		
For Work In Restricted Working Space, Add	0.49	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.60	
26 05 29 00-0182 EA 1-1/2", One Hole Iron Conduit Strap .....2.93		
For Work In Restricted Working Space, Add	0.49	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.62	
26 05 29 00-0183 EA 2", One Hole Iron Conduit Strap .....3.99		
For Work In Restricted Working Space, Add	0.49	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.50	
For >500, Deduct	-0.73	
26 05 29 00-0184 EA 2-1/2", One Hole Iron Conduit Strap .....6.26		
For Work In Restricted Working Space, Add	0.49	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.67	
For >500, Deduct	-0.95	
26 05 29 00-0185 EA 3", One Hole Iron Conduit Strap .....8.15		
For Work In Restricted Working Space, Add	0.49	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.82	
For >500, Deduct	-1.14	
26 05 29 00-0186 EA 3-1/2", One Hole Iron Conduit Strap .....10.91		
For Work In Restricted Working Space, Add	0.49	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.02	
For >500, Deduct	-1.42	
26 05 29 00-0187 EA 4", One Hole Iron Conduit Strap .....21.99		
For Work In Restricted Working Space, Add	0.49	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.59	
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.53	
26 05 29 00-0188 EA 5", One Hole Iron Conduit Strap .....27.94		
For Work In Restricted Working Space, Add	0.49	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.74	
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-3.12	
26 05 29 00-0189 Two Hole Steel Conduit Straps (26 05 29 00-0165)		

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 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0190	EA	1/2"	Two Hole Steel Conduit Strap	2.29	
			<i>For Work In Restricted Working Space, Add</i>	0.55	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500, Deduct</i>	-0.60	
26 05 29 00-0191	EA	3/4"	Two Hole Steel Conduit Strap	2.35	
			<i>For Work In Restricted Working Space, Add</i>	0.55	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500, Deduct</i>	-0.60	
26 05 29 00-0192	EA	1"	Two Hole Steel Conduit Strap	2.39	
			<i>For Work In Restricted Working Space, Add</i>	0.55	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500, Deduct</i>	-0.61	
26 05 29 00-0193	EA	1-1/4"	Two Hole Steel Conduit Strap	2.44	
			<i>For Work In Restricted Working Space, Add</i>	0.55	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500, Deduct</i>	-0.61	
26 05 29 00-0194	EA	1-1/2"	Two Hole Steel Conduit Strap	2.47	
			<i>For Work In Restricted Working Space, Add</i>	0.55	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500, Deduct</i>	-0.62	
26 05 29 00-0195	EA	2"	Two Hole Steel Conduit Strap	2.55	
			<i>For Work In Restricted Working Space, Add</i>	0.55	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500, Deduct</i>	-0.62	
26 05 29 00-0196	EA	2-1/2"	Two Hole Steel Conduit Strap	3.01	
			<i>For Work In Restricted Working Space, Add</i>	0.55	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500, Deduct</i>	-0.67	
26 05 29 00-0197	EA	3"	Two Hole Steel Conduit Strap	3.10	
			<i>For Work In Restricted Working Space, Add</i>	0.55	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500, Deduct</i>	-0.68	
26 05 29 00-0198	EA	3-1/2"	Two Hole Steel Conduit Strap	3.46	
			<i>For Work In Restricted Working Space, Add</i>	0.55	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0199	EA	4"	Two Hole Steel Conduit Strap	3.71	
			<i>For Work In Restricted Working Space, Add</i>	0.55	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500, Deduct</i>	-0.74	
26 05 29 00-0200	EA	5"	Two Hole Steel Conduit Strap	4.03	
			<i>For Work In Restricted Working Space, Add</i>	0.55	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.66	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500, Deduct</i>	-0.77	
26 05 29 00-0201			Clamp Back Spacers <small>(26 05 29 00-0165)</small>		
26 05 29 00-0202	EA	1/2"	Conduit, Clamp Back Spacer	1.91	
			<i>For Work In Restricted Working Space, Add</i>	0.38	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.42	
			<i>For >50 To 100, Deduct</i>	-0.08	
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.30	
			<i>For >500, Deduct</i>	-0.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0203 EA 3/4" Conduit, Clamp Back Spacer.....	2.13	
For Work In Restricted Working Space, Add	0.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.42	
For >50 To 100, Deduct	-0.09	
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.32	
For >500, Deduct	-0.47	
26 05 29 00-0204 EA 1" Conduit, Clamp Back Spacer.....	2.33	
For Work In Restricted Working Space, Add	0.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.42	
For >50 To 100, Deduct	-0.09	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.33	
For >500, Deduct	-0.49	
26 05 29 00-0205 EA 1-1/4" Conduit, Clamp Back Spacer	3.12	
For Work In Restricted Working Space, Add	0.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.42	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.57	
26 05 29 00-0206 EA 1-1/2" Conduit, Clamp Back Spacer	3.76	
For Work In Restricted Working Space, Add	0.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.42	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.63	
26 05 29 00-0207 EA 2" Conduit, Clamp Back Spacer.....	4.43	
For Work In Restricted Working Space, Add	0.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.42	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.49	
For >500, Deduct	-0.70	
26 05 29 00-0208 EA 2-1/2" Conduit, Clamp Back Spacer	7.15	
For Work In Restricted Working Space, Add	0.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.42	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-0.97	
26 05 29 00-0209 EA 3" Conduit, Clamp Back Spacer.....	10.40	
For Work In Restricted Working Space, Add	0.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.42	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.94	
For >500, Deduct	-1.29	
26 05 29 00-0210 EA 3-1/2" Conduit, Clamp Back Spacer	13.55	
For Work In Restricted Working Space, Add	0.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.42	
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.18	
For >500, Deduct	-1.61	
26 05 29 00-0211 EA 4" Conduit, Clamp Back Spacer.....	28.37	
For Work In Restricted Working Space, Add	0.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.42	
For >50 To 100, Deduct	-0.74	
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-3.09	
26 05 29 00-0212 EA 5" Conduit, Clamp Back Spacer.....	53.38	
For Work In Restricted Working Space, Add	0.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.42	
For >50 To 100, Deduct	-1.37	
For >100 To 250, Deduct	-2.73	
For >250 To 500, Deduct	-4.16	
For >500, Deduct	-5.59	
26 05 29 00-0213 Conduit Clips (26 05 29 00-0165)		
Note: Push in or clip.		
26 05 29 00-0214 EA 1/2" Conduit Clip.....	2.28	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.38	
For >500, Deduct	-0.56	
26 05 29 00-0215 EA 3/4" Conduit Clip.....	2.28	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.51	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.38	
For >500, Deduct	-0.56	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0216	EA	1"	Conduit Clip.....	2.23
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.51
			<i>For >50 To 100, Deduct</i>	-0.10
			<i>For >100 To 250, Deduct</i>	-0.19
			<i>For >250 To 500, Deduct</i>	-0.37
			<i>For >500, Deduct</i>	-0.55
26 05 29 00-0217	EA	1-1/4"	Conduit Clip.....	2.35
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.51
			<i>For >50 To 100, Deduct</i>	-0.10
			<i>For >100 To 250, Deduct</i>	-0.20
			<i>For >250 To 500, Deduct</i>	-0.38
			<i>For >500, Deduct</i>	-0.56
26 05 29 00-0218			Bolt And Nut Conduit Clips (26 05 29 00-0165)	
26 05 29 00-0219	EA	3/4"	Bolt And Nut Conduit Clip (Minerallac 1B).....	2.81
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.61
			<i>For >50 To 100, Deduct</i>	-0.12
			<i>For >100 To 250, Deduct</i>	-0.24
			<i>For >250 To 500, Deduct</i>	-0.47
			<i>For >500, Deduct</i>	-0.69
26 05 29 00-0220	EA	1"	Bolt And Nut Conduit Clip (Minerallac 2B).....	2.94
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.61
			<i>For >50 To 100, Deduct</i>	-0.12
			<i>For >100 To 250, Deduct</i>	-0.25
			<i>For >250 To 500, Deduct</i>	-0.48
			<i>For >500, Deduct</i>	-0.70
26 05 29 00-0221	EA	1-1/4"	Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	3.14
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64
			<i>For >50 To 100, Deduct</i>	-0.13
			<i>For >100 To 250, Deduct</i>	-0.27
			<i>For >250 To 500, Deduct</i>	-0.51
			<i>For >500, Deduct</i>	-0.75
26 05 29 00-0222	EA	1-1/2"	Bolt And Nut Conduit Clip (Minerallac 3B).....	3.21
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64
			<i>For >50 To 100, Deduct</i>	-0.13
			<i>For >100 To 250, Deduct</i>	-0.27
			<i>For >250 To 500, Deduct</i>	-0.51
			<i>For >500, Deduct</i>	-0.76
26 05 29 00-0223	EA	2"	Bolt And Nut Conduit Clip (Minerallac 5B).....	3.68
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64
			<i>For >50 To 100, Deduct</i>	-0.15
			<i>For >100 To 250, Deduct</i>	-0.29
			<i>For >250 To 500, Deduct</i>	-0.55
			<i>For >500, Deduct</i>	-0.80
26 05 29 00-0224	EA	2-1/2"	Bolt And Nut Conduit Clip (Minerallac 6B).....	4.01
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.68
			<i>For >50 To 100, Deduct</i>	-0.16
			<i>For >100 To 250, Deduct</i>	-0.32
			<i>For >250 To 500, Deduct</i>	-0.59
			<i>For >500, Deduct</i>	-0.86
26 05 29 00-0225	EA	3"	Bolt And Nut Conduit Clip (Minerallac 7B).....	4.43
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.68
			<i>For >50 To 100, Deduct</i>	-0.17
			<i>For >100 To 250, Deduct</i>	-0.34
			<i>For >250 To 500, Deduct</i>	-0.62
			<i>For >500, Deduct</i>	-0.90
26 05 29 00-0226	EA	4"	Bolt And Nut Conduit Clip (Minerallac 9B).....	8.62
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.74
			<i>For >50 To 100, Deduct</i>	-0.28
			<i>For >100 To 250, Deduct</i>	-0.56
			<i>For >250 To 500, Deduct</i>	-0.97
			<i>For >500, Deduct</i>	-1.37
26 05 29 00-0227			Conduit Hanger From Flange, Wire Or Rod (26 05 29 00-0165)	
			Note: Bat wing.	
26 05 29 00-0228	EA	1/2"	Conduit Hanger From Flange, Wire Or Rod.....	1.62
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.41
			<i>For >50 To 100, Deduct</i>	-0.07
			<i>For >100 To 250, Deduct</i>	-0.14
			<i>For >250 To 500, Deduct</i>	-0.27
			<i>For >500, Deduct</i>	-0.41
26 05 29 00-0229	EA	3/4"	Conduit Hanger From Flange, Wire Or Rod.....	1.65
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.41
			<i>For >50 To 100, Deduct</i>	-0.07
			<i>For >100 To 250, Deduct</i>	-0.14
			<i>For >250 To 500, Deduct</i>	-0.28
			<i>For >500, Deduct</i>	-0.41
26 05 29 00-0230	EA	1"	Conduit Hanger From Flange, Wire Or Rod.....	1.75
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.41
			<i>For >50 To 100, Deduct</i>	-0.07
			<i>For >100 To 250, Deduct</i>	-0.15
			<i>For >250 To 500, Deduct</i>	-0.28
			<i>For >500, Deduct</i>	-0.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0231 EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod 1.98 <i>For Installation On Concrete (Includes Drilling And Fastener), Add 0.41</i> <i>For >50 To 100, Deduct -0.08</i> <i>For >100 To 250, Deduct -0.16</i> <i>For >250 To 500, Deduct -0.30</i> <i>For >500, Deduct -0.44</i>		
26 05 29 00-0232 Beam Flange Clamps <small>(26 05 29 00-0165)</small> Note: For threaded rod, nut not required.		
26 05 29 00-0233 EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24) 2.59 <i>For >50 To 100, Deduct -0.10</i> <i>For >100 To 250, Deduct -0.19</i> <i>For >250 To 500, Deduct -0.35</i> <i>For >500, Deduct -0.51</i>		
26 05 29 00-0234 EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58) 2.53 <i>For >50 To 100, Deduct -0.10</i> <i>For >100 To 250, Deduct -0.19</i> <i>For >250 To 500, Deduct -0.35</i> <i>For >500, Deduct -0.51</i>		
26 05 29 00-0235 EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912) 2.90 <i>For >50 To 100, Deduct -0.10</i> <i>For >100 To 250, Deduct -0.21</i> <i>For >250 To 500, Deduct -0.38</i> <i>For >500, Deduct -0.54</i>		
26 05 29 00-0236 T-Bar Support Clips <small>(26 05 29 00-0165)</small>		
26 05 29 00-0237 EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95) 4.15 <i>For >50 To 100, Deduct -0.17</i> <i>For >100 To 250, Deduct -0.34</i> <i>For >250 To 500, Deduct -0.63</i> <i>For >500, Deduct -0.93</i>		
26 05 29 00-0238 EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS) 3.87 <i>For >50 To 100, Deduct -0.16</i> <i>For >100 To 250, Deduct -0.32</i> <i>For >250 To 500, Deduct -0.61</i> <i>For >500, Deduct -0.90</i>		
26 05 29 00-0239 EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16) 1.62 <i>For >50 To 100, Deduct -0.06</i> <i>For >100 To 250, Deduct -0.11</i> <i>For >250 To 500, Deduct -0.20</i> <i>For >500, Deduct -0.29</i>		
26 05 29 00-0240 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512) 15.17 <i>For >50 To 100, Deduct -0.40</i> <i>For >100 To 250, Deduct -0.81</i> <i>For >250 To 500, Deduct -1.27</i> <i>For >500, Deduct -1.72</i>		
26 05 29 00-0241 Switch And Outlet Box Type Supports <small>(26 05 29 00-0165)</small>		
26 05 29 00-0242 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS) 3.44 <i>For >50 To 100, Deduct -0.11</i> <i>For >100 To 250, Deduct -0.22</i> <i>For >250 To 500, Deduct -0.39</i> <i>For >500, Deduct -0.55</i>		
26 05 29 00-0243 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500) 2.84 <i>For >50 To 100, Deduct -0.10</i> <i>For >100 To 250, Deduct -0.19</i> <i>For >250 To 500, Deduct -0.34</i> <i>For >500, Deduct -0.49</i>		
26 05 29 00-0244 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO) 3.35 <i>For >50 To 100, Deduct -0.11</i> <i>For >100 To 250, Deduct -0.22</i> <i>For >250 To 500, Deduct -0.38</i> <i>For >500, Deduct -0.54</i>		
26 05 29 00-0245 EA Snap On, Switch And Outlet Box Support (Caddy MSF) 1.99 <i>For >50 To 100, Deduct -0.08</i> <i>For >100 To 250, Deduct -0.15</i> <i>For >250 To 500, Deduct -0.28</i> <i>For >500, Deduct -0.40</i>		
26 05 29 00-0246 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI) 2.10 <i>For >50 To 100, Deduct -0.08</i> <i>For >100 To 250, Deduct -0.16</i> <i>For >250 To 500, Deduct -0.29</i> <i>For >500, Deduct -0.41</i>		
26 05 29 00-0247 Lighting Fixture Hanger <small>(26 05 29 00-0165)</small> Note: For existing or owner furnished fixtures.		
26 05 29 00-0248 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515) 2.62 <i>For >50 To 100, Deduct -0.12</i> <i>For >100 To 250, Deduct -0.23</i> <i>For >250 To 500, Deduct -0.45</i> <i>For >500, Deduct -0.67</i>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0249	PR		Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	11.45	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.55	
26 05 29 00-0250	PR		Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520).....	16.09	
			<i>For >50 To 100, Deduct</i>	-0.45	
			<i>For >100 To 250, Deduct</i>	-0.91	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-2.02	
26 05 29 00-0251			Rigid Steel Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>		
26 05 29 00-0252	EA		1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	2.55	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500, Deduct</i>	-0.56	
			<i>For Work In Restricted Working Space, Add</i>	0.46	
26 05 29 00-0253	EA		3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	2.56	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500, Deduct</i>	-0.56	
			<i>For Work In Restricted Working Space, Add</i>	0.46	
26 05 29 00-0254	EA		1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	2.64	
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500, Deduct</i>	-0.57	
			<i>For Work In Restricted Working Space, Add</i>	0.46	
26 05 29 00-0255	EA		1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.25	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500, Deduct</i>	-0.73	
			<i>For Work In Restricted Working Space, Add</i>	0.61	
26 05 29 00-0256	EA		1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.66	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	0.61	
26 05 29 00-0257	EA		2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.70	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500, Deduct</i>	-0.78	
			<i>For Work In Restricted Working Space, Add</i>	0.61	
26 05 29 00-0258	EA		2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.51	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.96	
			<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 29 00-0259	EA		3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.87	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-1.00	
			<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 29 00-0260	EA		3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.22	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500, Deduct</i>	-1.03	
			<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 29 00-0261	EA		4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.35	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-1.05	
			<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 29 00-0262			Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>		
26 05 29 00-0263	EA		1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	2.81	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500, Deduct</i>	-0.59	
			<i>For Work In Restricted Working Space, Add</i>	0.46	
26 05 29 00-0264	EA		3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	2.78	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500, Deduct</i>	-0.59	
			<i>For Work In Restricted Working Space, Add</i>	0.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 29 00-0265	EA 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	2.74	
	<i>For >50 To 100, Deduct</i>	-0.11	
	<i>For >100 To 250, Deduct</i>	-0.21	
	<i>For >250 To 500, Deduct</i>	-0.40	
	<i>For >500, Deduct</i>	-0.58	
	<i>For Work In Restricted Working Space, Add</i>	0.46	
26 05 29 00-0266	EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	3.58	
	<i>For >50 To 100, Deduct</i>	-0.14	
	<i>For >100 To 250, Deduct</i>	-0.28	
	<i>For >250 To 500, Deduct</i>	-0.52	
	<i>For >500, Deduct</i>	-0.77	
	<i>For Work In Restricted Working Space, Add</i>	0.61	
26 05 29 00-0267	EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.29	
	<i>For >50 To 100, Deduct</i>	-0.16	
	<i>For >100 To 250, Deduct</i>	-0.32	
	<i>For >250 To 500, Deduct</i>	-0.58	
	<i>For >500, Deduct</i>	-0.84	
	<i>For Work In Restricted Working Space, Add</i>	0.61	
26 05 29 00-0268	EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.33	
	<i>For >50 To 100, Deduct</i>	-0.16	
	<i>For >100 To 250, Deduct</i>	-0.32	
	<i>For >250 To 500, Deduct</i>	-0.58	
	<i>For >500, Deduct</i>	-0.84	
	<i>For Work In Restricted Working Space, Add</i>	0.61	
26 05 29 00-0269	"J" Type Conduit Hangers <small>(26 05 29 00-0165)</small>		
26 05 29 00-0270	EA 1/2", "J" Type Conduit Hanger (Unistrut J1205).....	13.31	
	<i>For >50 To 100, Deduct</i>	-0.42	
	<i>For >100 To 250, Deduct</i>	-0.84	
	<i>For >250 To 500, Deduct</i>	-1.44	
	<i>For >500, Deduct</i>	-2.05	
	<i>For Work In Restricted Working Space, Add</i>	1.07	
26 05 29 00-0271	EA 3/4", "J" Type Conduit Hanger (Unistrut J1207).....	13.48	
	<i>For >50 To 100, Deduct</i>	-0.43	
	<i>For >100 To 250, Deduct</i>	-0.85	
	<i>For >250 To 500, Deduct</i>	-1.46	
	<i>For >500, Deduct</i>	-2.06	
	<i>For Work In Restricted Working Space, Add</i>	1.07	
26 05 29 00-0272	EA 1", "J" Type Conduit Hanger (Unistrut J1210).....	14.15	
	<i>For >50 To 100, Deduct</i>	-0.46	
	<i>For >100 To 250, Deduct</i>	-0.91	
	<i>For >250 To 500, Deduct</i>	-1.57	
	<i>For >500, Deduct</i>	-2.23	
	<i>For Work In Restricted Working Space, Add</i>	1.22	
26 05 29 00-0273	EA 1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	14.33	
	<i>For >50 To 100, Deduct</i>	-0.46	
	<i>For >100 To 250, Deduct</i>	-0.92	
	<i>For >250 To 500, Deduct</i>	-1.58	
	<i>For >500, Deduct</i>	-2.25	
	<i>For Work In Restricted Working Space, Add</i>	1.22	
26 05 29 00-0274	EA 1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	14.97	
	<i>For >50 To 100, Deduct</i>	-0.49	
	<i>For >100 To 250, Deduct</i>	-0.98	
	<i>For >250 To 500, Deduct</i>	-1.70	
	<i>For >500, Deduct</i>	-2.42	
	<i>For Work In Restricted Working Space, Add</i>	1.38	
26 05 29 00-0275	EA 2", "J" Type Conduit Hanger (Unistrut J1220).....	15.66	
	<i>For >50 To 100, Deduct</i>	-0.51	
	<i>For >100 To 250, Deduct</i>	-1.01	
	<i>For >250 To 500, Deduct</i>	-1.75	
	<i>For >500, Deduct</i>	-2.49	
	<i>For Work In Restricted Working Space, Add</i>	1.38	
26 05 29 00-0276	EA 2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	26.06	
	<i>For >50 To 100, Deduct</i>	-0.78	
	<i>For >100 To 250, Deduct</i>	-1.56	
	<i>For >250 To 500, Deduct</i>	-2.59	
	<i>For >500, Deduct</i>	-3.63	
	<i>For Work In Restricted Working Space, Add</i>	1.53	
26 05 29 00-0277	EA 3", "J" Type Conduit Hanger (Unistrut J1230).....	27.60	
	<i>For >50 To 100, Deduct</i>	-0.83	
	<i>For >100 To 250, Deduct</i>	-1.66	
	<i>For >250 To 500, Deduct</i>	-2.77	
	<i>For >500, Deduct</i>	-3.88	
	<i>For Work In Restricted Working Space, Add</i>	1.68	
26 05 29 00-0278	EA 3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	29.68	
	<i>For >50 To 100, Deduct</i>	-0.90	
	<i>For >100 To 250, Deduct</i>	-1.79	
	<i>For >250 To 500, Deduct</i>	-2.99	
	<i>For >500, Deduct</i>	-4.19	
	<i>For Work In Restricted Working Space, Add</i>	1.84	
26 05 29 00-0279	EA 4", "J" Type Conduit Hanger (Unistrut J1240).....	40.41	
	<i>For >50 To 100, Deduct</i>	-1.16	
	<i>For >100 To 250, Deduct</i>	-2.33	
	<i>For >250 To 500, Deduct</i>	-3.80	
	<i>For >500, Deduct</i>	-5.27	
	<i>For Work In Restricted Working Space, Add</i>	1.84	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0280	EA	5", "J" Type Conduit Hanger (Unistrut J1250).....	44.44
		<i>For >50 To 100, Deduct</i>	-1.28
		<i>For >100 To 250, Deduct</i>	-2.55
		<i>For >250 To 500, Deduct</i>	-4.16
		<i>For >500, Deduct</i>	-5.77
		<i>For Work In Restricted Working Space, Add</i>	1.99
26 05 29 00-0281	EA	6", "J" Type Conduit Hanger (Unistrut J1260).....	63.44
		<i>For >50 To 100, Deduct</i>	-1.78
		<i>For >100 To 250, Deduct</i>	-3.56
		<i>For >250 To 500, Deduct</i>	-5.72
		<i>For >500, Deduct</i>	-7.88
		<i>For Work In Restricted Working Space, Add</i>	2.30
26 05 29 00-0282 Between Studs Box Brackets <small>(26 05 29 00-0165)</small>			
26 05 29 00-0283	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	4.70
		<i>For >50 To 100, Deduct</i>	-0.16
		<i>For >100 To 250, Deduct</i>	-0.31
		<i>For >250 To 500, Deduct</i>	-0.55
		<i>For >500, Deduct</i>	-0.78
		<i>For Work In Restricted Working Space, Add</i>	0.46
26 05 29 00-0284	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	5.79
		<i>For >50 To 100, Deduct</i>	-0.18
		<i>For >100 To 250, Deduct</i>	-0.37
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.89
		<i>For Work In Restricted Working Space, Add</i>	0.46
26 05 29 00-0285 Hangers And Brackets <small>(26 05 29 00-0165)</small>			
26 05 29 00-0286	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	1.43
		<i>For >50 To 100, Deduct</i>	-0.06
		<i>For >100 To 250, Deduct</i>	-0.12
		<i>For >250 To 500, Deduct</i>	-0.23
		<i>For >500, Deduct</i>	-0.35
26 05 29 00-0287	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	1.37
		<i>For >50 To 100, Deduct</i>	-0.06
		<i>For >100 To 250, Deduct</i>	-0.12
		<i>For >250 To 500, Deduct</i>	-0.23
		<i>For >500, Deduct</i>	-0.34
26 05 29 00-0288	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	1.37
		<i>For >50 To 100, Deduct</i>	-0.06
		<i>For >100 To 250, Deduct</i>	-0.12
		<i>For >250 To 500, Deduct</i>	-0.23
		<i>For >500, Deduct</i>	-0.34
26 05 29 00-0289	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	2.03
		<i>For >50 To 100, Deduct</i>	-0.08
		<i>For >100 To 250, Deduct</i>	-0.15
		<i>For >250 To 500, Deduct</i>	-0.28
		<i>For >500, Deduct</i>	-0.41
26 05 29 00-0290	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	2.04
		<i>For >50 To 100, Deduct</i>	-0.08
		<i>For >100 To 250, Deduct</i>	-0.15
		<i>For >250 To 500, Deduct</i>	-0.28
		<i>For >500, Deduct</i>	-0.41
26 05 29 00-0291	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	1.97
		<i>For >50 To 100, Deduct</i>	-0.07
		<i>For >100 To 250, Deduct</i>	-0.15
		<i>For >250 To 500, Deduct</i>	-0.28
		<i>For >500, Deduct</i>	-0.40
26 05 29 00-0292	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	2.03
		<i>For >50 To 100, Deduct</i>	-0.08
		<i>For >100 To 250, Deduct</i>	-0.15
		<i>For >250 To 500, Deduct</i>	-0.28
		<i>For >500, Deduct</i>	-0.41
26 05 29 00-0293	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	2.04
		<i>For >50 To 100, Deduct</i>	-0.08
		<i>For >100 To 250, Deduct</i>	-0.15
		<i>For >250 To 500, Deduct</i>	-0.28
		<i>For >500, Deduct</i>	-0.41
26 05 29 00-0294 Clips And Accessories <small>(26 05 29 00-0165)</small>			
26 05 29 00-0295	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.00
		<i>For >50 To 100, Deduct</i>	-0.04
		<i>For >100 To 250, Deduct</i>	-0.08
		<i>For >250 To 500, Deduct</i>	-0.16
		<i>For >500, Deduct</i>	-0.23
26 05 29 00-0296	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.03
		<i>For >50 To 100, Deduct</i>	-0.04
		<i>For >100 To 250, Deduct</i>	-0.08
		<i>For >250 To 500, Deduct</i>	-0.16
		<i>For >500, Deduct</i>	-0.23
26 05 29 00-0297	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	1.13
		<i>For >50 To 100, Deduct</i>	-0.04
		<i>For >100 To 250, Deduct</i>	-0.09
		<i>For >250 To 500, Deduct</i>	-0.16
		<i>For >500, Deduct</i>	-0.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0298 EA 2" Diameter Center, Bridle Ring (Caddy 2BR32).....	1.33	
For >50 To 100, Deduct	-0.05	
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.18	
For >500, Deduct	-0.26	
26 05 29 00-0299 Wire Ties <small>(26 05 29 00-0165)</small>		
Note: Per hundred (C).		
26 05 29 00-0300 C 3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	8.46	
For UV Black, Add	0.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.60	
26 05 29 00-0301 C 4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	8.58	
For UV Black, Add	0.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.60	
26 05 29 00-0302 C 4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	8.67	
For UV Black, Add	0.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.60	
26 05 29 00-0303 C 5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	8.71	
For UV Black, Add	0.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.60	
26 05 29 00-0304 C 6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	8.98	
For UV Black, Add	0.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.67	
26 05 29 00-0305 C 8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.88	
For UV Black, Add	0.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.75	
26 05 29 00-0306 C 4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	11.83	
For UV Black, Add	0.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.60	
26 05 29 00-0307 C 6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	12.12	
For UV Black, Add	0.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.67	
26 05 29 00-0308 C 8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	12.40	
For UV Black, Add	0.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.75	
26 05 29 00-0309 C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	21.45	
For UV Black, Add	2.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.88	
26 05 29 00-0310 C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	22.82	
For UV Black, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.88	
26 05 29 00-0311 C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	13.36	
For UV Black, Add	1.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.75	
26 05 29 00-0312 C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	12.15	
For UV Black, Add	0.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.75	
26 05 29 00-0313 C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	21.83	
For UV Black, Add	2.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.88	
26 05 29 00-0314 C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	25.79	
For UV Black, Add	2.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.00	
26 05 29 00-0315 C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	26.34	
For UV Black, Add	3.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.75	
26 05 29 00-0316 C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	28.99	
For UV Black, Add	3.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.88	
26 05 29 00-0317 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	36.55	
For UV Black, Add	4.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.00	
26 05 29 00-0318 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	56.07	
For UV Black, Add	7.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.13	
26 05 29 00-0319 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	53.98	
For UV Black, Add	7.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.13	
26 05 29 00-0320 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	67.68	
For UV Black, Add	9.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.23	
26 05 29 00-0321 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	79.60	
For UV Black, Add	10.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.34	
26 05 29 00-0322 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	112.74	
For UV Black, Add	15.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.52	
26 05 29 00-0323 C 3/4" x 3/4" Self Adhesive Tie Mounts.....	17.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.80	
26 05 29 00-0324 C 1.1" x 1.1" Tie Mounts With Screw.....	34.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.59	
26 05 29 00-0325 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.08	
26 05 29 00-0326 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.06	
26 05 29 00-0327 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.06	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0328	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	2.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.06
26 05 29 00-0329	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	58.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.48
26 05 29 00-0330		Fastening Devices For Wireway And Conduit <small>(26 05 29)</small>	
		Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.	
26 05 29 00-0331		Toggle Bolts <small>(26 05 29 00-0330)</small>	
		Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.	
26 05 29 00-0332	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	4.07
		<i>For >50 To 100, Deduct</i>	-0.38
		<i>For >100 To 250, Deduct</i>	-0.76
		<i>For >250 To 500, Deduct</i>	-1.33
		<i>For >500, Deduct</i>	-1.90
26 05 29 00-0333	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	4.17
		<i>For >50 To 100, Deduct</i>	-0.39
		<i>For >100 To 250, Deduct</i>	-0.78
		<i>For >250 To 500, Deduct</i>	-1.37
		<i>For >500, Deduct</i>	-1.95
26 05 29 00-0334	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	4.44
		<i>For >50 To 100, Deduct</i>	-0.41
		<i>For >100 To 250, Deduct</i>	-0.81
		<i>For >250 To 500, Deduct</i>	-1.41
		<i>For >500, Deduct</i>	-2.01
26 05 29 00-0335	EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	4.56
		<i>For >50 To 100, Deduct</i>	-0.42
		<i>For >100 To 250, Deduct</i>	-0.83
		<i>For >250 To 500, Deduct</i>	-1.45
		<i>For >500, Deduct</i>	-2.06
26 05 29 00-0336	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	4.66
		<i>For >50 To 100, Deduct</i>	-0.42
		<i>For >100 To 250, Deduct</i>	-0.85
		<i>For >250 To 500, Deduct</i>	-1.48
		<i>For >500, Deduct</i>	-2.11
26 05 29 00-0337	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	5.44
		<i>For >50 To 100, Deduct</i>	-0.45
		<i>For >100 To 250, Deduct</i>	-0.90
		<i>For >250 To 500, Deduct</i>	-1.56
		<i>For >500, Deduct</i>	-2.22
26 05 29 00-0338	EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	5.70
		<i>For >50 To 100, Deduct</i>	-0.47
		<i>For >100 To 250, Deduct</i>	-0.93
		<i>For >250 To 500, Deduct</i>	-1.61
		<i>For >500, Deduct</i>	-2.29
26 05 29 00-0339		Machine Screws <small>(26 05 29 00-0330)</small>	
		Note: Includes drilling in concrete, concrete block, wood or steel.	
26 05 29 00-0340	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.18
		<i>For >50 To 100, Deduct</i>	-0.11
		<i>For >100 To 250, Deduct</i>	-0.23
		<i>For >250 To 500, Deduct</i>	-0.40
		<i>For >500, Deduct</i>	-0.57
26 05 29 00-0341	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.21
		<i>For >50 To 100, Deduct</i>	-0.12
		<i>For >100 To 250, Deduct</i>	-0.23
		<i>For >250 To 500, Deduct</i>	-0.40
		<i>For >500, Deduct</i>	-0.57
26 05 29 00-0342	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.53
		<i>For >50 To 100, Deduct</i>	-0.15
		<i>For >100 To 250, Deduct</i>	-0.29
		<i>For >250 To 500, Deduct</i>	-0.51
		<i>For >500, Deduct</i>	-0.73
26 05 29 00-0343	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	1.62
		<i>For >50 To 100, Deduct</i>	-0.15
		<i>For >100 To 250, Deduct</i>	-0.30
		<i>For >250 To 500, Deduct</i>	-0.51
		<i>For >500, Deduct</i>	-0.73
26 05 29 00-0344	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.01
		<i>For >50 To 100, Deduct</i>	-0.18
		<i>For >100 To 250, Deduct</i>	-0.36
		<i>For >250 To 500, Deduct</i>	-0.62
		<i>For >500, Deduct</i>	-0.88
26 05 29 00-0345		Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0330)</small>	
		Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.	
26 05 29 00-0346	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	2.11
		<i>For >50 To 100, Deduct</i>	-0.16
		<i>For >100 To 250, Deduct</i>	-0.32
		<i>For >250 To 500, Deduct</i>	-0.55
		<i>For >500, Deduct</i>	-0.78
26 05 29 00-0347	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	2.08
		<i>For >50 To 100, Deduct</i>	-0.16
		<i>For >100 To 250, Deduct</i>	-0.32
		<i>For >250 To 500, Deduct</i>	-0.55
		<i>For >500, Deduct</i>	-0.78



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0348	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor 3.05		
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.99	
26 05 29 00-0349	EA		1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor 3.97		
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.19	
26 05 29 00-0350			Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0330)</small>		
			Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut 1.54		
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500, Deduct</i>	-0.61	
26 05 29 00-0352	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut 1.57		
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500, Deduct</i>	-0.61	
26 05 29 00-0353	EA		3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut 1.90		
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500, Deduct</i>	-0.70	
26 05 29 00-0354			Hollow Wall Screw Anchors <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355	EA		6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor 0.90		
			<i>For >50 To 100, Deduct</i>	-0.07	
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.25	
			<i>For >500, Deduct</i>	-0.36	
26 05 29 00-0356	EA		6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor 0.94		
			<i>For >50 To 100, Deduct</i>	-0.07	
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.26	
			<i>For >500, Deduct</i>	-0.37	
26 05 29 00-0357	EA		6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor 1.00		
			<i>For >50 To 100, Deduct</i>	-0.08	
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.26	
			<i>For >500, Deduct</i>	-0.37	
26 05 29 00-0358	EA		10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor 1.29		
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.31	
			<i>For >500, Deduct</i>	-0.45	
26 05 29 00-0359	EA		10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor 1.37		
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500, Deduct</i>	-0.45	
26 05 29 00-0360	EA		10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor 1.39		
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500, Deduct</i>	-0.46	
26 05 29 00-0361	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor 1.41		
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500, Deduct</i>	-0.46	
26 05 29 00-0362	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor 1.52		
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.33	
			<i>For >500, Deduct</i>	-0.47	
26 05 29 00-0363	EA		1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor 1.56		
			<i>For >50 To 100, Deduct</i>	-0.10	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.33	
			<i>For >500, Deduct</i>	-0.47	
26 05 29 00-0364			Lead Screw Anchors <small>(26 05 29 00-0330)</small>		
			Note: Includes screw.		
26 05 29 00-0365	EA		#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw 2.04		
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.90	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0366	EA		#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	2.44	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-1.05	
26 05 29 00-0367	EA		#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	3.37	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.36	
26 05 29 00-0368			Acoustical T-Bar Clips (26 05 29 00-0330)		
			Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0369	EA		1/2" Conduit, Push-In Acoustical T-Bar Clip.....	3.75	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.88	
			<i>For >500, Deduct</i>	-1.25	
26 05 29 00-0370	EA		3/4" Conduit, Push-In Acoustical T-Bar Clip.....	3.92	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.31	
26 05 29 00-0371	EA		1" Conduit, Push-In Acoustical T-Bar Clip.....	4.32	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500, Deduct</i>	-1.40	
26 05 29 00-0372			Threaded Rod, Accessories And Attachments (26 05 29)		
26 05 29 00-0373			Threaded Rod And Rod Accessories (26 05 29 00-0372)		
26 05 29 00-0374			Carbon Steel Threaded Rod (26 05 29 00-0373)		
			Note: Includes plain finish.		
26 05 29 00-0375	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.02	0.32
			<i>For Galvanized, Add</i>	0.55	
			<i>For Zinc Coated, Add</i>	0.39	
26 05 29 00-0376	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.87	0.34
			<i>For Galvanized, Add</i>	0.88	
			<i>For Zinc Coated, Add</i>	0.62	
26 05 29 00-0377	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.09	0.35
			<i>For Galvanized, Add</i>	1.36	
			<i>For Zinc Coated, Add</i>	0.97	
26 05 29 00-0378	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.88	0.36
			<i>For Galvanized, Add</i>	2.46	
			<i>For Zinc Coated, Add</i>	1.76	
26 05 29 00-0379	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.52	0.37
			<i>For Galvanized, Add</i>	2.71	
			<i>For Zinc Coated, Add</i>	1.93	
26 05 29 00-0380	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.36	0.42
			<i>For Galvanized, Add</i>	3.80	
			<i>For Zinc Coated, Add</i>	2.71	
26 05 29 00-0381	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.93	0.47
			<i>For Galvanized, Add</i>	4.79	
			<i>For Zinc Coated, Add</i>	3.41	
26 05 29 00-0382			Threaded Rod Couplings (26 05 29 00-0373)		
26 05 29 00-0383	EA		3/8" Diameter, Threaded Rod Coupling Nut.....	4.36	
26 05 29 00-0384	EA		1/2" Diameter, Threaded Rod Coupling Nut.....	4.97	
26 05 29 00-0385	EA		5/8" Diameter, Threaded Rod Coupling Nut.....	6.38	
26 05 29 00-0386	EA		3/4" Diameter, Threaded Rod Coupling Nut.....	7.95	
26 05 29 00-0387	EA		7/8" Diameter, Threaded Rod Coupling Nut.....	12.24	
26 05 29 00-0388	EA		1" Diameter, Threaded Rod Coupling Nut.....	14.52	
26 05 29 00-0389	EA		1-1/8" Diameter, Threaded Rod Coupling Nut	29.36	
26 05 29 00-0390			Flat Washers (26 05 29 00-0373)		
26 05 29 00-0391	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.37	0.13
			<i>For Galvanized, Add</i>	0.02	
26 05 29 00-0392	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.50	0.13
			<i>For Galvanized, Add</i>	0.05	
26 05 29 00-0393	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	0.13
			<i>For Galvanized, Add</i>	0.09	
26 05 29 00-0394	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.85	0.25
			<i>For Galvanized, Add</i>	0.13	
26 05 29 00-0395	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.97	0.25
			<i>For Galvanized, Add</i>	0.15	
26 05 29 00-0396	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.15	0.25
			<i>For Galvanized, Add</i>	0.18	
26 05 29 00-0397	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.30	0.25
			<i>For Galvanized, Add</i>	0.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0398			Malleable Iron Eye Sockets (26 05 29 00-0373) Note: Type 16.		
26 05 29 00-0399	EA		3/8" Rod Size, Malleable Iron Eye Socket	7.07	
26 05 29 00-0400	EA		1/2" Rod Size, Malleable Iron Eye Socket	8.59	
26 05 29 00-0401	EA		5/8" Rod Size, Malleable Iron Eye Socket	15.86	
26 05 29 00-0402	EA		3/4" Rod Size, Malleable Iron Eye Socket	23.10	
26 05 29 00-0403	EA		7/8" Rod Size, Malleable Iron Eye Socket	24.51	
26 05 29 00-0404			Hex Nuts (26 05 29 00-0373)		
26 05 29 00-0405	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.36	0.13
			<i>For Galvanized, Add</i>	0.02	
26 05 29 00-0406	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.47	0.13
			<i>For Galvanized, Add</i>	0.04	
26 05 29 00-0407	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.68	0.13
			<i>For Galvanized, Add</i>	0.09	
26 05 29 00-0408	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.82	0.25
			<i>For Galvanized, Add</i>	0.12	
26 05 29 00-0409	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.25	0.25
			<i>For Galvanized, Add</i>	0.22	
26 05 29 00-0410	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.62	0.25
			<i>For Galvanized, Add</i>	0.30	
26 05 29 00-0411	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.73	0.25
			<i>For Galvanized, Add</i>	0.57	
26 05 29 00-0412			Forged Steel Turnbuckles (26 05 29 00-0373) Note: Type 13.		
26 05 29 00-0413	EA		3/8" Thread Diameter, Forged Steel Turnbuckle Body	16.67	
26 05 29 00-0414	EA		1/2" Thread Diameter, Forged Steel Turnbuckle Body	21.03	
26 05 29 00-0415	EA		5/8" Thread Diameter, Forged Steel Turnbuckle Body	29.00	
26 05 29 00-0416	EA		3/4" Thread Diameter, Forged Steel Turnbuckle Body	36.30	
26 05 29 00-0417	EA		7/8" Thread Diameter, Forged Steel Turnbuckle Body	95.89	
26 05 29 00-0418	EA		1" Thread Diameter, Forged Steel Turnbuckle Body	60.67	
26 05 29 00-0419	EA		1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	127.36	
26 05 29 00-0420			Attachments (26 05 29 00-0372)		
26 05 29 00-0421			Welded Beam Attachments (26 05 29 00-0420) Note: Type 22.		
26 05 29 00-0422	EA		3/8" Rod Size, Welded Beam Attachment	30.03	5.11
26 05 29 00-0423	EA		1/2" Rod Size, Welded Beam Attachment	32.12	5.36
26 05 29 00-0424	EA		5/8" Rod Size, Welded Beam Attachment	34.25	5.66
26 05 29 00-0425	EA		3/4" Rod Size, Welded Beam Attachment	45.20	6.02
26 05 29 00-0426	EA		7/8" Rod Size, Welded Beam Attachment	55.23	6.38
26 05 29 00-0427	EA		1" Rod Size, Welded Beam Attachment	79.41	7.30
26 05 29 00-0428	EA		1-1/8" Rod Size, Welded Beam Attachment	115.70	7.66
26 05 29 00-0429			C-Clamp Style Beam Clamps (26 05 29 00-0420) Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430	EA		3/8" Rod Size, C-Clamp Style Beam Clamp	8.82	3.83
26 05 29 00-0431	EA		1/2" Rod Size, C-Clamp Style Beam Clamp	11.02	4.10
26 05 29 00-0432	EA		5/8" Rod Size, C-Clamp Style Beam Clamp	12.77	4.39
26 05 29 00-0433	EA		3/4" Rod Size, C-Clamp Style Beam Clamp	17.34	4.72
26 05 29 00-0434	EA		7/8" Rod Size, C-Clamp Style Beam Clamp	26.92	5.12
26 05 29 00-0435			Bottom Mount I-Beam Clamps (26 05 29 00-0420) Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436	EA		3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	29.81	5.12
26 05 29 00-0437	EA		1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	45.78	5.59
26 05 29 00-0438	EA		5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	67.25	6.14
26 05 29 00-0439	EA		3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	81.02	6.82
26 05 29 00-0440	EA		1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	205.12	7.68
26 05 29 00-0441			Steel U-Bolts (26 05 29 00-0420) Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442	EA		1/2" Pipe Size, Zinc Plated Steel, U-Bolt	7.25	3.07
26 05 29 00-0443	EA		3/4" Pipe Size, Zinc Plated Steel, U-Bolt	7.96	3.23
26 05 29 00-0444	EA		1" Pipe Size, Zinc Plated Steel, U-Bolt	8.64	3.41
26 05 29 00-0445	EA		1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	10.09	3.61
26 05 29 00-0446	EA		1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	10.32	3.83
26 05 29 00-0447	EA		2" Pipe Size, Zinc Plated Steel, U-Bolt	11.05	4.10
26 05 29 00-0448	EA		2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	17.44	4.39
26 05 29 00-0449	EA		3" Pipe Size, Zinc Plated Steel, U-Bolt	19.34	4.72
26 05 29 00-0450	EA		4" Pipe Size, Zinc Plated Steel, U-Bolt	23.97	5.12
26 05 29 00-0451			Stainless Steel Threaded Rod (26 05 29 00-0372)		
26 05 29 00-0452	LF		1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	1.84	0.25
			<i>For 316 Stainless Steel, Add</i>	0.54	



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26 05 29 00-0453	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	2.84	0.28
		<i>For 316 Stainless Steel, Add</i>	0.92	
26 05 29 00-0454	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	3.68	0.32
		<i>For 316 Stainless Steel, Add</i>	1.23	
26 05 29 00-0455	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	5.18	0.33
		<i>For 316 Stainless Steel, Add</i>	1.83	
26 05 29 00-0456	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	6.25	0.34
		<i>For 316 Stainless Steel, Add</i>	2.26	
26 05 29 00-0457	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	9.47	0.34
		<i>For 316 Stainless Steel, Add</i>	3.56	
26 05 29 00-0458	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	13.34	0.35
		<i>For 316 Stainless Steel, Add</i>	5.12	
26 05 29 00-0459	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	18.43	0.36
		<i>For 316 Stainless Steel, Add</i>	7.17	
26 05 29 00-0460	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	23.73	0.42
		<i>For 316 Stainless Steel, Add</i>	9.26	
26 05 29 00-0461	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	50.44	0.51
		<i>For 316 Stainless Steel, Add</i>	19.99	
26 05 29 00-0462		Polyvinyl Chloride (PVC) Coated Supports <small>(26 05 29)</small>		
		Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0463		Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0462)</small>		
26 05 29 00-0464		Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0463)</small>		
26 05 29 00-0465	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	32.34	10.21
26 05 29 00-0466	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	35.11	11.13
26 05 29 00-0467	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	37.16	12.24
26 05 29 00-0468	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	45.45	13.63
26 05 29 00-0469	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	52.85	15.32
26 05 29 00-0470	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	64.39	16.84
26 05 29 00-0471	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	70.46	18.38
26 05 29 00-0472	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	77.86	19.90
26 05 29 00-0473	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	81.89	21.44
26 05 29 00-0474	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	88.68	22.96
26 05 29 00-0475		Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0463)</small>		
26 05 29 00-0476	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	35.30	10.21
26 05 29 00-0477	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	37.12	11.13
26 05 29 00-0478	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	43.17	12.24
26 05 29 00-0479	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	47.59	13.63
26 05 29 00-0480	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	53.67	15.32
26 05 29 00-0481	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	62.98	16.84
26 05 29 00-0482	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	73.14	18.38
26 05 29 00-0483	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	81.41	19.90
26 05 29 00-0484	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	86.36	21.44
26 05 29 00-0485	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	89.28	22.96
26 05 29 00-0486		Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0463)</small>		
26 05 29 00-0487	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	32.97	10.11
26 05 29 00-0488	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	35.33	11.02
26 05 29 00-0489	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	40.18	12.24
26 05 29 00-0490	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	47.87	13.48
26 05 29 00-0491	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	64.16	15.32
26 05 29 00-0492	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	70.30	16.84
26 05 29 00-0493		Polyvinyl Chloride (PVC) Coated Conduit Straps <small>(26 05 29 00-0462)</small>		
26 05 29 00-0494		One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps <small>(26 05 29 00-0493)</small>		
26 05 29 00-0495	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	4.72	0.31
26 05 29 00-0496	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	5.15	0.31
26 05 29 00-0497	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	7.68	0.31
26 05 29 00-0498	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	9.39	0.31
26 05 29 00-0499	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	12.44	0.31
26 05 29 00-0500	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	18.80	0.31
26 05 29 00-0501	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	25.12	0.31
26 05 29 00-0502	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	33.73	0.31
26 05 29 00-0503	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	59.88	0.31
26 05 29 00-0504	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	63.65	0.31
26 05 29 00-0505		Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps <small>(26 05 29 00-0493)</small>		
26 05 29 00-0506	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	9.30	0.61
26 05 29 00-0507	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	9.35	0.61
26 05 29 00-0508	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	9.60	0.61
26 05 29 00-0509	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	12.21	0.61
26 05 29 00-0510	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	12.56	0.61
26 05 29 00-0511	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	14.48	0.61
26 05 29 00-0512	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	16.35	0.61
26 05 29 00-0513	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	17.12	0.61
26 05 29 00-0514	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	18.31	0.61
26 05 29 00-0515	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	19.91	0.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0516 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer <small>(26 05 29 00-0462)</small>		
26 05 29 00-0517 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer <small>(26 05 29 00-0516)</small>		
26 05 29 00-0518 EA 1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	8.39	0.61
26 05 29 00-0519 EA 3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	9.84	0.61
26 05 29 00-0520 EA 1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	12.51	0.61
26 05 29 00-0521 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.71	0.61
26 05 29 00-0522 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	19.87	0.61
26 05 29 00-0523 EA 2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	35.17	0.61
26 05 29 00-0524 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	49.50	0.61
26 05 29 00-0525 EA 3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	67.78	0.61
26 05 29 00-0526 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	119.00	0.61
26 05 29 00-0527 EA 4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	119.00	0.61
26 05 29 00-0528 Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories <small>(26 05 29 00-0462)</small>		
26 05 29 00-0529 Polyvinyl Chloride (PVC) Coated Threaded Rod <small>(26 05 29 00-0528)</small>		
26 05 29 00-0530 LF 3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	5.82	0.41
26 05 29 00-0531 LF 1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	7.19	0.46
26 05 29 00-0532 Attachments <small>(26 05 29 00-0462)</small>		
26 05 29 00-0533 Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts <small>(26 05 29 00-0532)</small>		
26 05 29 00-0534 EA 1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	9.50	3.07
26 05 29 00-0535 EA 3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	9.76	3.22
26 05 29 00-0536 EA 1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	10.29	3.43
26 05 29 00-0537 EA 1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	10.96	3.63
26 05 29 00-0538 EA 1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	11.68	3.83
26 05 29 00-0539 EA 2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	13.30	4.10
26 05 29 00-0540 EA 2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	20.39	4.40
26 05 29 00-0541 EA 3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	21.29	4.71
26 05 29 00-0542 EA 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	22.64	5.12
26 05 29 00-0543 EA 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	38.90	5.84
26 05 29 00-0544 EA 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	48.59	6.75
26 05 29 00-0545 Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps <small>(26 05 29 00-0532)</small>		
26 05 29 00-0546 EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	33.41	10.11
26 05 29 00-0547 EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	40.45	10.11
26 05 29 00-0548 EA 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	43.36	10.11
26 05 29 00-0549 EA 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	48.18	10.72
26 05 29 00-0550 EA 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	56.65	12.24
26 05 29 00-0551 Polyvinyl Chloride (PVC) Coated Pipe Straps <small>(26 05 29 00-0532)</small>		
Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0552 EA 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	12.45	3.37
26 05 29 00-0553 EA 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	12.98	3.67
26 05 29 00-0554 EA 1" Polyvinyl Chloride (PVC) Coated Pipe Strap	14.16	3.98
26 05 29 00-0555 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	15.85	4.60
26 05 29 00-0556 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	18.17	5.21
26 05 29 00-0557 EA 2" Polyvinyl Chloride (PVC) Coated Pipe Strap	20.46	5.51
26 05 29 00-0558 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	22.58	6.12
26 05 29 00-0559 EA 3" Polyvinyl Chloride (PVC) Coated Pipe Strap	27.35	6.73
26 05 29 00-0560 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	30.19	7.05
26 05 29 00-0561 EA 4" Polyvinyl Chloride (PVC) Coated Pipe Strap	31.49	7.66
26 05 29 00-0562 EA 5" Polyvinyl Chloride (PVC) Coated Pipe Strap	33.30	8.57
26 05 29 00-0563 Polyvinyl Chloride (PVC) Coated Channel <small>(26 05 29 00-0462)</small>		
26 05 29 00-0564 LF Polyvinyl Chloride (PVC) Coated Channel, A12	14.65	1.54
26 05 29 00-0565 LF Polyvinyl Chloride (PVC) Coated Channel, A12A	26.43	2.15
26 05 29 00-0566 LF Polyvinyl Chloride (PVC) Coated Channel, A12P	15.73	1.54
26 05 29 00-0567 LF Polyvinyl Chloride (PVC) Coated Channel, C14	11.31	1.54
26 05 29 00-0568 LF Polyvinyl Chloride (PVC) Coated Channel, C14P	11.99	1.54
26 05 29 00-0569 Polymer Concrete Pads <small>(26 05 29)</small>		
Note: Excludes excavation and backfill.		
26 05 29 00-0570 Polymer Concrete, Box Pads <small>(26 05 29 00-0569)</small>		
26 05 29 00-0571 EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	715.67	50.58
26 05 29 00-0572 EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	741.06	50.58
26 05 29 00-0573 EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	974.40	50.58
26 05 29 00-0574 EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,013.08	50.58
26 05 29 00-0575 EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	938.38	50.58
26 05 29 00-0576 EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,121.09	50.58
26 05 29 00-0577 EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,261.18	50.58
26 05 29 00-0578 EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,194.85	63.23
26 05 29 00-0579 EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	1,849.41	63.23
26 05 29 00-0580 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	2,507.22	63.23

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**MINOR
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26 05 29 00-0581		Polymer Concrete, Telecommunications Equipment Pads <small>(26 05 29 00-0581)</small>			
26 05 29 00-0582	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	326.30	19.51	
26 05 29 00-0583	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	395.67	19.51	
26 05 29 00-0584	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	530.61	37.93	
26 05 29 00-0585	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	556.39	37.93	
26 05 29 00-0586	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	818.83	37.93	
26 05 29 00-0587	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	855.31	37.93	
26 05 29 00-0588	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	923.27	37.93	
26 05 29 00-0589	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	923.27	37.93	
26 05 29 00-0590	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,777.13	37.93	
26 05 29 00-0591	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	2,020.76	37.93	
26 05 29 00-0592		Polymer Concrete, Electrical Equipment Pads <small>(26 05 29 00-0592)</small>			
26 05 29 00-0593	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	179.39	19.51	
26 05 29 00-0594	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	197.22	19.51	
26 05 29 00-0595	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	213.46	19.51	
26 05 29 00-0596	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	267.42	19.51	
26 05 29 00-0597	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	243.34	19.51	
26 05 29 00-0598	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	254.69	19.51	
26 05 29 00-0599	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	284.10	19.51	
26 05 29 00-0600	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	301.26	19.51	
26 05 29 00-0601	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	358.57	19.51	
26 05 29 00-0602	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	452.96	19.51	
26 05 29 00-0603	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	692.40	37.93	
26 05 29 00-0604	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	726.90	37.93	
26 05 29 00-0605	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	737.78	37.93	
26 05 29 00-0606	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	810.31	37.93	
26 05 29 00-0607	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,780.40	37.93	
26 05 29 00-0608	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	2,105.33	37.93	

26 05 33 Raceway And Boxes For Electrical Systems (26 05 33)**26 05 33 13 Conduit For Electrical Systems (26 05 33)**

26 05 33 13-0001		Conduit Assemblies <small>(26 05 33 13)</small> Note: With fittings and wire.			
26 05 33 13-0002		Electrical Metallic Tubing (EMT) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and wire as indicated. Per CLF.			
26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly	400.06	114.05	
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	97.77		
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly	437.57	123.84	
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	106.17		
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly	428.39	118.94	
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	101.97		
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly	475.32	130.37	
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	111.76		
26 05 33 13-0007	CLF	3/4" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly	449.29	122.95	
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	105.38		
26 05 33 13-0008	CLF	3/4" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly	486.78	132.75	
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	113.78		
26 05 33 13-0009	CLF	3/4" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly	524.30	142.55	
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	122.18		
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly	561.81	152.36	
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	130.58		
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly	477.60	127.85	
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	109.58		
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly	524.56	139.28	
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	119.38		
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly	571.51	150.72	
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	129.18		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	618.45 138.98	162.15
26 05 33	13-0015	CLF	1" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	521.40 113.45	132.33
26 05 33	13-0016	CLF	1" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	558.90 121.84	142.13
26 05 33	13-0017	CLF	1" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	596.41 130.24	151.93
26 05 33	13-0018	CLF	1" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	633.91 138.64	161.73
26 05 33	13-0019	CLF	1" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	549.73 117.65	137.23
26 05 33	13-0020	CLF	1" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	596.67 127.44	148.66
26 05 33	13-0021	CLF	1" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	643.61 137.24	160.10
26 05 33	13-0022	CLF	1" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	690.56 147.04	171.53
26 05 33	13-0023		Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, terminations, straps, and wire as indicated. Per CLF.		
26 05 33	13-0024	CLF	1/2" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	532.10 111.26	129.81
26 05 33	13-0025	CLF	1/2" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	569.59 119.66	139.61
26 05 33	13-0026	CLF	1/2" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	560.42 115.46	134.71
26 05 33	13-0027	CLF	1/2" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	607.36 125.26	146.15
26 05 33	13-0028	CLF	3/4" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	587.75 118.65	138.45
26 05 33	13-0029	CLF	3/4" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	625.25 127.05	148.25
26 05 33	13-0030	CLF	3/4" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	662.75 135.45	158.04
26 05 33	13-0031	CLF	3/4" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	616.07 122.85	143.35
26 05 33	13-0032	CLF	3/4" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	663.00 132.65	154.78
26 05 33	13-0033	CLF	3/4" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	709.96 142.45	166.21
26 05 33	13-0034	CLF	1" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	763.90 141.71	165.32
26 05 33	13-0035	CLF	1" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	801.41 150.11	175.12
26 05 33	13-0036	CLF	1" Rigid Galvanized Steel (RGS) With 6 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	838.90 158.51	184.92
26 05 33	13-0037	CLF	1" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	801.66 147.31	171.86
26 05 33	13-0038	CLF	1" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	848.61 157.11	183.28
26 05 33	13-0039	CLF	1" Rigid Galvanized Steel (RGS) With 6 #10 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	895.55 166.91	194.72

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0040	Conduit <small>(26 05 33 13)</small> Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0041	Conduit Installed Above Grade <small>(26 05 33 13-0040)</small> See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0042	Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0041)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0043	Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <small>(26 05 33 13-0042)</small> Note: Includes field bending for conduit up to 1".		
26 05 33 13-0044	LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	3.83	1.02
	For >250 To 500, Deduct	-0.06	
	For >500 To 1,000, Deduct	-0.22	
	For >1,000, Deduct	-0.32	
	For Installation In Metal Stud Wall, Add	0.26	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.64	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.39	
	For Work In Restricted Working Space, Add	0.77	
	For Installation Above 14', Add	0.39	
26 05 33 13-0045	LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	4.35	1.12
	For >250 To 500, Deduct	-0.08	
	For >500 To 1,000, Deduct	-0.26	
	For >1,000, Deduct	-0.37	
	For Installation In Metal Stud Wall, Add	0.28	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.70	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.42	
	For Work In Restricted Working Space, Add	0.84	
	For Installation Above 14', Add	0.42	
26 05 33 13-0046	LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	5.66	1.31
	For >250 To 500, Deduct	-0.12	
	For >500 To 1,000, Deduct	-0.34	
	For >1,000, Deduct	-0.48	
	For Installation In Metal Stud Wall, Add	0.33	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.82	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.49	
	For Work In Restricted Working Space, Add	0.98	
	For Installation Above 14', Add	0.49	
26 05 33 13-0047	LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	6.94	1.50
	For >250 To 500, Deduct	-0.16	
	For >500 To 1,000, Deduct	-0.43	
	For >1,000, Deduct	-0.60	
	For Installation In Metal Stud Wall, Add	0.37	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.94	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.56	
	For Work In Restricted Working Space, Add	1.12	
	For Installation Above 14', Add	0.56	
26 05 33 13-0048	LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.12	1.68
	For >250 To 500, Deduct	-0.20	
	For >500 To 1,000, Deduct	-0.50	
	For >1,000, Deduct	-0.71	
	For Installation In Metal Stud Wall, Add	0.42	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.05	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.63	
	For Work In Restricted Working Space, Add	1.26	
	For Installation Above 14', Add	0.63	
26 05 33 13-0049	LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	10.38	2.05
	For >250 To 500, Deduct	-0.26	
	For >500 To 1,000, Deduct	-0.65	
	For >1,000, Deduct	-0.91	
	For Installation In Metal Stud Wall, Add	0.51	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.28	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.77	
	For Work In Restricted Working Space, Add	1.54	
	For Installation Above 14', Add	0.77	
26 05 33 13-0050	LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	15.70	2.80
	For >250 To 500, Deduct	-0.44	
	For >500 To 1,000, Deduct	-1.00	
	For >1,000, Deduct	-1.40	
	For Installation In Metal Stud Wall, Add	0.70	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.75	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
	For Work In Restricted Working Space, Add	2.10	
	For Installation Above 14', Add	1.05	
26 05 33 13-0051	LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	20.40	3.74
	For >250 To 500, Deduct	-0.55	
	For >500 To 1,000, Deduct	-1.30	
	For >1,000, Deduct	-1.81	
	For Installation In Metal Stud Wall, Add	0.93	
	For Installation In Wood Stud Wall (Includes Drilling), Add	2.33	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.40	
	For Work In Restricted Working Space, Add	2.80	
	For Installation Above 14', Add	1.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0052 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling 25.17 4.67 For >250 To 500, Deduct -0.68 For >500 To 1,000, Deduct -1.60 For >1,000, Deduct -2.23 For Installation In Metal Stud Wall, Add 1.17 For Installation In Wood Stud Wall (Includes Drilling), Add 2.92 For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add 1.75 For Work In Restricted Working Space, Add 3.50 For Installation Above 14', Add 1.75		
26 05 33 13-0053 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling 29.71 5.60 For >250 To 500, Deduct -0.79 For >500 To 1,000, Deduct -1.88 For >1,000, Deduct -2.62 For Installation In Metal Stud Wall, Add 1.40 For Installation In Wood Stud Wall (Includes Drilling), Add 3.50 For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add 2.10 For Work In Restricted Working Space, Add 4.20 For Installation Above 14', Add 2.10		
26 05 33 13-0054 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling 49.57 7.09 For >250 To 500, Deduct -1.59 For >500 To 1,000, Deduct -3.27 For >1,000, Deduct -4.51 For Installation In Metal Stud Wall, Add 1.77 For Installation In Wood Stud Wall (Includes Drilling), Add 4.43 For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add 2.66 For Work In Restricted Working Space, Add 5.32 For Installation Above 14', Add 2.66		
26 05 33 13-0055 LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling 67.14 8.96 For >250 To 500, Deduct -2.24 For >500 To 1,000, Deduct -4.48 For >1,000, Deduct -6.15 For Installation In Metal Stud Wall, Add 2.24 For Installation In Wood Stud Wall (Includes Drilling), Add 5.60 For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add 3.36 For Work In Restricted Working Space, Add 6.72 For Installation Above 14', Add 3.36		
26 05 33 13-0056 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow (26 05 33 13-0042) See CSI section 26 05 33 13-2198 for conduit field bending.		
26 05 33 13-0057 EA 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 15.77 4.62 For Work In Restricted Working Space, Add 3.48 For Installation Above 14', Add 1.74		
26 05 33 13-0058 EA 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 19.91 5.74 For Work In Restricted Working Space, Add 4.32 For Installation Above 14', Add 2.16		
26 05 33 13-0059 EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 26.03 7.05 For Work In Restricted Working Space, Add 5.27 For Installation Above 14', Add 2.63		
26 05 33 13-0060 EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 34.90 8.16 For Work In Restricted Working Space, Add 6.12 For Installation Above 14', Add 3.06		
26 05 33 13-0061 EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 40.70 9.38 For Work In Restricted Working Space, Add 7.02 For Installation Above 14', Add 3.51		
26 05 33 13-0062 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 49.53 10.31 For Work In Restricted Working Space, Add 7.73 For Installation Above 14', Add 3.86		
26 05 33 13-0063 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 74.54 12.87 For Work In Restricted Working Space, Add 9.66 For Installation Above 14', Add 4.83		
26 05 33 13-0064 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 106.91 17.54 For Work In Restricted Working Space, Add 13.16 For Installation Above 14', Add 6.58		
26 05 33 13-0065 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 148.05 19.78 For Work In Restricted Working Space, Add 14.84 For Installation Above 14', Add 7.42		
26 05 33 13-0066 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 177.98 25.76 For Work In Restricted Working Space, Add 19.31 For Installation Above 14', Add 9.66		
26 05 33 13-0067 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 291.40 42.00 For Work In Restricted Working Space, Add 31.50 For Installation Above 14', Add 15.75		
26 05 33 13-0068 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow 438.18 63.08 For Work In Restricted Working Space, Add 47.31 For Installation Above 14', Add 23.66		
26 05 33 13-0069 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow (26 05 33 13-0042) See CSI section 26 05 33 13-2198 for conduit field bending.		
26 05 33 13-0070 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 15.77 4.62 For Work In Restricted Working Space, Add 3.48 For Installation Above 14', Add 1.74		
26 05 33 13-0071 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 19.91 5.74 For Work In Restricted Working Space, Add 4.32 For Installation Above 14', Add 2.16		
26 05 33 13-0072 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow 26.03 7.05 For Work In Restricted Working Space, Add 5.27 For Installation Above 14', Add 2.63		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0073 EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	34.90 6.12 3.06	8.16
26 05 33 13-0074 EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	40.70 7.02 3.51	9.38
26 05 33 13-0075 EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	49.53 7.73 3.86	10.31
26 05 33 13-0076 EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	72.82 9.66 4.83	12.87
26 05 33 13-0077 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	100.22 13.16 6.58	17.54
26 05 33 13-0078 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	138.63 14.84 7.42	19.78
26 05 33 13-0079 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	165.45 19.31 9.66	25.76
26 05 33 13-0080 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	291.40 31.50 15.75	42.00
26 05 33 13-0081 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	438.18 47.31 23.66	63.08
26 05 33 13-0082 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow (26 05 33 13-0042) See CSI section 26 05 33 13-2198 for conduit field bending.		
26 05 33 13-0083 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	43.24 6.92 3.46	11.53
26 05 33 13-0084 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	49.73 8.01 4.00	13.35
26 05 33 13-0085 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	57.93 9.10 4.55	15.16
26 05 33 13-0086 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	65.88 10.01 5.00	16.68
26 05 33 13-0087 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow (26 05 33 13-0042) See CSI section 26 05 33 13-2198 for conduit field bending.		
26 05 33 13-0088 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.47 6.92 3.46	11.53
26 05 33 13-0089 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	56.46 8.01 4.00	13.35
26 05 33 13-0090 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	61.00 9.10 4.55	15.16
26 05 33 13-0091 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	69.31 10.01 5.00	16.68
26 05 33 13-0092 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	94.02 12.56 6.28	20.93
26 05 33 13-0093 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	126.02 17.11 8.55	28.51
26 05 33 13-0094 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow (26 05 33 13-0042) See CSI section 26 05 33 13-2198 for conduit field bending.		
26 05 33 13-0095 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.72 6.92 3.46	11.53
26 05 33 13-0096 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	55.80 8.01 4.00	13.35
26 05 33 13-0097 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	64.31 9.10 4.55	15.16
26 05 33 13-0098 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	76.72 10.01 5.00	16.68
26 05 33 13-0099 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	100.93 12.56 6.28	20.93
26 05 33 13-0100 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	131.59 17.11 8.55	28.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0101	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	169.71 19.29 9.65	32.15
26 05 33	13-0102	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	201.49 25.11 12.56	41.85
26 05 33	13-0103		Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2198 for conduit field bending.		
26 05 33	13-0104	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	57.07 6.92 3.46	11.53
26 05 33	13-0105	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	63.99 8.01 4.00	13.35
26 05 33	13-0106	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	70.45 9.10 4.55	15.16
26 05 33	13-0107	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	85.77 10.01 5.00	16.68
26 05 33	13-0108	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	113.26 12.56 6.28	20.93
26 05 33	13-0109	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	150.92 17.11 8.55	28.51
26 05 33	13-0110	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	188.50 19.29 9.65	32.15
26 05 33	13-0111	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	216.47 25.11 12.56	41.85
26 05 33	13-0112		Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2198 for conduit field bending.		
26 05 33	13-0113	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	56.57 6.92 3.46	11.53
26 05 33	13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	70.08 8.01 4.00	13.35
26 05 33	13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	77.04 9.10 4.55	15.16
26 05 33	13-0116	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	94.38 10.01 5.00	16.68
26 05 33	13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	125.09 12.56 6.28	20.93
26 05 33	13-0118	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	166.19 17.11 8.55	28.51
26 05 33	13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	207.08 19.29 9.65	32.15
26 05 33	13-0120	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	243.97 25.11 12.56	41.85
26 05 33	13-0121	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	342.34 40.95 20.47	68.24
26 05 33	13-0122		Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2198 for conduit field bending.		
26 05 33	13-0123	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	61.02 6.92 3.46	11.53
26 05 33	13-0124	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	73.08 8.01 4.00	13.35
26 05 33	13-0125	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	88.59 9.10 4.55	15.16
26 05 33	13-0126	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	101.11 10.01 5.00	16.68
26 05 33	13-0127	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	139.13 12.56 6.28	20.93
26 05 33	13-0128	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	179.25 17.11 8.55	28.51

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0129 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	231.08 19.29 9.65	32.15
26 05 33 13-0130 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	256.92 25.11 12.56	41.85
26 05 33 13-0131 EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	447.91 40.95 20.47	68.24
26 05 33 13-0132 EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	547.17 61.51 30.76	102.52
26 05 33 13-0133 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2198 for conduit field bending.		
26 05 33 13-0134 EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	67.56 6.92 3.46	11.53
26 05 33 13-0135 EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	81.05 8.01 4.00	13.35
26 05 33 13-0136 EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	97.07 9.10 4.55	15.16
26 05 33 13-0137 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	109.98 10.01 5.00	16.68
26 05 33 13-0138 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	149.85 12.56 6.28	20.93
26 05 33 13-0139 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	198.38 17.11 8.55	28.51
26 05 33 13-0140 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	250.27 19.29 9.65	32.15
26 05 33 13-0141 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	312.12 25.11 12.56	41.85
26 05 33 13-0142 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	524.06 40.95 20.47	68.24
26 05 33 13-0143 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	613.12 61.51 30.76	102.52
26 05 33 13-0144 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2198 for conduit field bending.		
26 05 33 13-0145 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	73.00 6.92 3.46	11.53
26 05 33 13-0146 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	87.20 8.01 4.00	13.35
26 05 33 13-0147 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	102.43 9.10 4.55	15.16
26 05 33 13-0148 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	126.53 10.01 5.00	16.68
26 05 33 13-0149 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	169.65 12.56 6.28	20.93
26 05 33 13-0150 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	217.66 17.11 8.55	28.51
26 05 33 13-0151 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	274.39 19.29 9.65	32.15
26 05 33 13-0152 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	341.42 25.11 12.56	41.85
26 05 33 13-0153 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	547.91 40.95 20.47	68.24
26 05 33 13-0154 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	626.46 61.51 30.76	102.52
26 05 33 13-0155 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0156 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23 1.78 0.89 1.78	2.97



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0157	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74 1.91 0.95 1.91	3.17
26 05 33	13-0158	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.73 2.14 1.07 2.14	3.56
26 05 33	13-0159	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.78 2.38 1.19 2.38	3.97
26 05 33	13-0160	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08 2.97 1.49 2.97	4.96
26 05 33	13-0161	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.06 3.57 1.79 3.57	5.94
26 05 33	13-0162	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.66 4.16 2.08 4.16	6.94
26 05 33	13-0163	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.91 4.76 2.38 4.76	7.93
26 05 33	13-0164	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.85 5.35 2.68 5.35	7.46
26 05 33	13-0165	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.55 5.95 2.97 5.95	9.91
26 05 33	13-0166	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.97 6.54 3.27 6.54	10.91
26 05 33	13-0167	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.12 7.14 3.57 7.14	11.90
26 05 33 13-0168 Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0042)					
26 05 33	13-0169	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.73 2.10 1.05 2.10	3.49
26 05 33	13-0170	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.53 2.24 1.12 2.24	3.74
26 05 33	13-0171	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.26 2.52 1.26 2.52	4.20
26 05 33	13-0172	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.62 2.80 1.40 2.80	4.67
26 05 33	13-0173	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.06 3.50 1.75 3.50	5.83
26 05 33	13-0174	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.65 4.20 2.10 4.20	7.00
26 05 33	13-0175	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.78 4.90 2.45 4.90	8.16
26 05 33	13-0176	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.70 5.60 2.80 5.60	9.33
26 05 33	13-0177	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.10 6.30 3.15 6.30	10.50
26 05 33	13-0178	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.25 7.00 3.50 7.00	11.67

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0179	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	112.01	12.83
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Installation Above 14', Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33	13-0180	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	173.72	14.00
			<i>For Work In Restricted Working Space, Add</i>	8.40	
			<i>For Installation Above 14', Add</i>	4.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.40	
26 05 33	13-0181		Rigid Galvanized Steel (RGS) Steel Insulated Bushing <small>(26 05 33 13-0042)</small>		
26 05 33	13-0182	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	8.59	3.49
			<i>For Work In Restricted Working Space, Add</i>	2.10	
			<i>For Installation Above 14', Add</i>	1.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33	13-0183	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	9.83	3.74
			<i>For Work In Restricted Working Space, Add</i>	2.24	
			<i>For Installation Above 14', Add</i>	1.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.24	
26 05 33	13-0184	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	11.89	4.20
			<i>For Work In Restricted Working Space, Add</i>	2.52	
			<i>For Installation Above 14', Add</i>	1.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.52	
26 05 33	13-0185	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	14.39	4.67
			<i>For Work In Restricted Working Space, Add</i>	2.80	
			<i>For Installation Above 14', Add</i>	1.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.80	
26 05 33	13-0186	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	17.94	5.83
			<i>For Work In Restricted Working Space, Add</i>	3.50	
			<i>For Installation Above 14', Add</i>	1.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33	13-0187	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	22.76	7.00
			<i>For Work In Restricted Working Space, Add</i>	4.20	
			<i>For Installation Above 14', Add</i>	2.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.20	
26 05 33	13-0188	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	34.71	8.16
			<i>For Work In Restricted Working Space, Add</i>	4.90	
			<i>For Installation Above 14', Add</i>	2.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.90	
26 05 33	13-0189	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	41.82	9.33
			<i>For Work In Restricted Working Space, Add</i>	5.60	
			<i>For Installation Above 14', Add</i>	2.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.60	
26 05 33	13-0190	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	57.61	10.50
			<i>For Work In Restricted Working Space, Add</i>	6.30	
			<i>For Installation Above 14', Add</i>	3.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.30	
26 05 33	13-0191	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	87.03	11.67
			<i>For Work In Restricted Working Space, Add</i>	7.00	
			<i>For Installation Above 14', Add</i>	3.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.00	
26 05 33	13-0192	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	119.39	12.83
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Installation Above 14', Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33	13-0193	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	176.32	14.00
			<i>For Work In Restricted Working Space, Add</i>	8.40	
			<i>For Installation Above 14', Add</i>	4.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.40	
26 05 33	13-0194		Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing <small>(26 05 33 13-0042)</small>		
26 05 33	13-0195	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	14.83	4.20
			<i>For Work In Restricted Working Space, Add</i>	2.52	
			<i>For Installation Above 14', Add</i>	1.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.52	
26 05 33	13-0196	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	16.67	4.67
			<i>For Work In Restricted Working Space, Add</i>	2.80	
			<i>For Installation Above 14', Add</i>	1.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.80	
26 05 33	13-0197	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	19.42	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.08	
			<i>For Installation Above 14', Add</i>	1.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33	13-0198	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	23.52	5.83
			<i>For Work In Restricted Working Space, Add</i>	3.50	
			<i>For Installation Above 14', Add</i>	1.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33	13-0199	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	28.13	7.23
			<i>For Work In Restricted Working Space, Add</i>	4.34	
			<i>For Installation Above 14', Add</i>	2.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.34	
26 05 33	13-0200	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	36.26	8.64
			<i>For Work In Restricted Working Space, Add</i>	5.18	
			<i>For Installation Above 14', Add</i>	2.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0201 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.09 6.02 3.01 6.02	10.03
26 05 33 13-0202 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.35 7.00 3.50 7.00	11.67
26 05 33 13-0203 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.80 7.84 3.92 7.84	13.06
26 05 33 13-0204 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.05 8.68 4.34 8.68	14.46
26 05 33 13-0205 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.33 9.52 4.76 9.52	15.87
26 05 33 13-0206 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	183.91 10.50 5.25 10.50	17.50
26 05 33 13-0207 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw <small>(26 05 33 13-0042)</small>		
26 05 33 13-0208 EA 1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34 1.60 0.80 1.60	2.15
26 05 33 13-0209 EA 3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.97 1.85 0.93 1.85	2.47
26 05 33 13-0210 EA 1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.90 2.23 1.11 2.23	2.98
26 05 33 13-0211 EA 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.02 2.78 1.39 2.78	3.69
26 05 33 13-0212 EA 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.42 3.71 1.86 3.71	4.95
26 05 33 13-0213 EA 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.15 5.56 2.78 5.56	7.42
26 05 33 13-0214 EA 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.97 6.16 3.08 6.16	8.21
26 05 33 13-0215 EA 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.03 7.46 3.73 7.46	9.94
26 05 33 13-0216 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.73 9.34 4.67 9.34	12.46
26 05 33 13-0217 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.43 11.20 5.60 11.20	14.93
26 05 33 13-0218 EA 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	268.06 12.44 6.22 12.44	16.61
26 05 33 13-0219 EA 6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	320.93 14.00 7.00 14.00	18.67
26 05 33 13-0220 Rigid Galvanized Steel (RGS) Nipples <small>(26 05 33 13-0042)</small>		
26 05 33 13-0221 EA 1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91 1.82 0.91 1.82	3.03
26 05 33 13-0222 EA 3/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.94 2.10 1.05 2.10	3.49

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CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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26 05 33 13-0223	EA 1" x 2" Long Rigid Galvanized Steel (RGS) Nipple	10.19	4.43
	For Work In Restricted Working Space, Add	2.66	
	For Installation Above 14', Add	1.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.66	
26 05 33 13-0224	EA 1-1/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	11.94	5.13
	For Work In Restricted Working Space, Add	3.08	
	For Installation Above 14', Add	1.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.08	
26 05 33 13-0225	EA 1-1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	13.66	5.83
	For Work In Restricted Working Space, Add	3.50	
	For Installation Above 14', Add	1.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.50	
26 05 33 13-0226	EA 1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	6.98	3.03
	For Work In Restricted Working Space, Add	1.82	
	For Installation Above 14', Add	0.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.82	
26 05 33 13-0227	EA 3/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	8.05	3.49
	For Work In Restricted Working Space, Add	2.10	
	For Installation Above 14', Add	1.05	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.10	
26 05 33 13-0228	EA 1" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	10.31	4.43
	For Work In Restricted Working Space, Add	2.66	
	For Installation Above 14', Add	1.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.66	
26 05 33 13-0229	EA 1-1/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	12.10	5.13
	For Work In Restricted Working Space, Add	3.08	
	For Installation Above 14', Add	1.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.08	
26 05 33 13-0230	EA 1-1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	13.91	5.83
	For Work In Restricted Working Space, Add	3.50	
	For Installation Above 14', Add	1.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.50	
26 05 33 13-0231	EA 2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	15.77	6.54
	For Work In Restricted Working Space, Add	3.92	
	For Installation Above 14', Add	1.96	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.92	
26 05 33 13-0232	EA 1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	7.05	3.03
	For Work In Restricted Working Space, Add	1.82	
	For Installation Above 14', Add	0.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.82	
26 05 33 13-0233	EA 3/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	8.15	3.49
	For Work In Restricted Working Space, Add	2.10	
	For Installation Above 14', Add	1.05	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.10	
26 05 33 13-0234	EA 1" x 3" Long Rigid Galvanized Steel (RGS) Nipple	10.47	4.43
	For Work In Restricted Working Space, Add	2.66	
	For Installation Above 14', Add	1.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.66	
26 05 33 13-0235	EA 1-1/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	12.24	5.13
	For Work In Restricted Working Space, Add	3.08	
	For Installation Above 14', Add	1.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.08	
26 05 33 13-0236	EA 1-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	14.09	5.83
	For Work In Restricted Working Space, Add	3.50	
	For Installation Above 14', Add	1.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.50	
26 05 33 13-0237	EA 2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	16.20	6.54
	For Work In Restricted Working Space, Add	3.92	
	For Installation Above 14', Add	1.96	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.92	
26 05 33 13-0238	EA 2-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	22.35	7.93
	For Work In Restricted Working Space, Add	4.76	
	For Installation Above 14', Add	2.38	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.76	
26 05 33 13-0239	EA 3" x 3" Long Rigid Galvanized Steel (RGS) Nipple	29.89	10.97
	For Work In Restricted Working Space, Add	6.58	
	For Installation Above 14', Add	3.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.58	
26 05 33 13-0240	EA 1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	7.15	3.03
	For Work In Restricted Working Space, Add	1.82	
	For Installation Above 14', Add	0.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.82	
26 05 33 13-0241	EA 3/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	8.20	3.49
	For Work In Restricted Working Space, Add	2.10	
	For Installation Above 14', Add	1.05	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.10	
26 05 33 13-0242	EA 1" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	10.68	4.43
	For Work In Restricted Working Space, Add	2.66	
	For Installation Above 14', Add	1.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.66	
26 05 33 13-0243	EA 1-1/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	12.51	5.13
	For Work In Restricted Working Space, Add	3.08	
	For Installation Above 14', Add	1.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.08	
26 05 33 13-0244	EA 1-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	14.45	5.83
	For Work In Restricted Working Space, Add	3.50	
	For Installation Above 14', Add	1.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0245 EA 2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.63 3.92 1.96 3.92	6.54
26 05 33 13-0246 EA 2-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.53 4.76 2.38 4.76	7.93
26 05 33 13-0247 EA 3" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.91 6.58 3.29 6.58	10.97
26 05 33 13-0248 EA 1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.23 1.82 0.91 1.82	3.03
26 05 33 13-0249 EA 3/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.36 2.10 1.05 2.10	3.49
26 05 33 13-0250 EA 1" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.82 2.66 1.33 2.66	4.43
26 05 33 13-0251 EA 1-1/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.65 3.08 1.54 3.08	5.13
26 05 33 13-0252 EA 1-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69 3.50 1.75 3.50	5.83
26 05 33 13-0253 EA 2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.00 3.92 1.96 3.92	6.54
26 05 33 13-0254 EA 2-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.89 4.76 2.38 4.76	7.93
26 05 33 13-0255 EA 3" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.67 6.58 3.29 6.58	10.97
26 05 33 13-0256 EA 3-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.58 7.42 3.71 7.42	12.36
26 05 33 13-0257 EA 4" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.50 9.66 4.83 9.66	16.10
26 05 33 13-0258 EA 1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37 1.82 0.91 1.82	3.03
26 05 33 13-0259 EA 3/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.56 2.10 1.05 2.10	3.49
26 05 33 13-0260 EA 1" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08 2.66 1.33 2.66	4.43
26 05 33 13-0261 EA 1-1/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02 3.08 1.54 3.08	5.13
26 05 33 13-0262 EA 1-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.06 3.50 1.75 3.50	5.83
26 05 33 13-0263 EA 2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.66 3.92 1.96 3.92	6.54
26 05 33 13-0264 EA 2-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.35 4.76 2.38 4.76	7.93
26 05 33 13-0265 EA 3" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.25 6.58 3.29 6.58	10.97
26 05 33 13-0266 EA 3-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.16 7.42 3.71 7.42	12.36

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26 05 33 13-0267	EA 4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	47.79	16.10
	<i>For Work In Restricted Working Space, Add</i>	9.66	
	<i>For Installation Above 14', Add</i>	4.83	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66	
26 05 33 13-0268	EA 5" x 5" Long Rigid Galvanized Steel (RGS) Nipple	74.61	22.16
	<i>For Work In Restricted Working Space, Add</i>	13.30	
	<i>For Installation Above 14', Add</i>	6.65	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.30	
26 05 33 13-0269	EA 6" x 5" Long Rigid Galvanized Steel (RGS) Nipple	94.62	28.42
	<i>For Work In Restricted Working Space, Add</i>	17.06	
	<i>For Installation Above 14', Add</i>	8.53	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.06	
26 05 33 13-0270	EA 1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	7.63	3.03
	<i>For Work In Restricted Working Space, Add</i>	1.82	
	<i>For Installation Above 14', Add</i>	0.91	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.82	
26 05 33 13-0271	EA 3/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	8.82	3.49
	<i>For Work In Restricted Working Space, Add</i>	2.10	
	<i>For Installation Above 14', Add</i>	1.05	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-0272	EA 1" x 6" Long Rigid Galvanized Steel (RGS) Nipple	11.28	4.43
	<i>For Work In Restricted Working Space, Add</i>	2.66	
	<i>For Installation Above 14', Add</i>	1.33	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-0273	EA 1-1/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	13.37	5.13
	<i>For Work In Restricted Working Space, Add</i>	3.08	
	<i>For Installation Above 14', Add</i>	1.54	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-0274	EA 1-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	15.84	5.83
	<i>For Work In Restricted Working Space, Add</i>	3.50	
	<i>For Installation Above 14', Add</i>	1.75	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-0275	EA 2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	18.32	6.54
	<i>For Work In Restricted Working Space, Add</i>	3.92	
	<i>For Installation Above 14', Add</i>	1.96	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-0276	EA 2-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	26.63	7.93
	<i>For Work In Restricted Working Space, Add</i>	4.76	
	<i>For Installation Above 14', Add</i>	2.38	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.76	
26 05 33 13-0277	EA 3" x 6" Long Rigid Galvanized Steel (RGS) Nipple	34.86	10.97
	<i>For Work In Restricted Working Space, Add</i>	6.58	
	<i>For Installation Above 14', Add</i>	3.29	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-0278	EA 3-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	40.07	12.36
	<i>For Work In Restricted Working Space, Add</i>	7.42	
	<i>For Installation Above 14', Add</i>	3.71	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.42	
26 05 33 13-0279	EA 4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	49.62	16.10
	<i>For Work In Restricted Working Space, Add</i>	9.66	
	<i>For Installation Above 14', Add</i>	4.83	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66	
26 05 33 13-0280	EA 5" x 6" Long Rigid Galvanized Steel (RGS) Nipple	77.28	22.16
	<i>For Work In Restricted Working Space, Add</i>	13.30	
	<i>For Installation Above 14', Add</i>	6.65	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.30	
26 05 33 13-0281	EA 6" x 6" Long Rigid Galvanized Steel (RGS) Nipple	98.52	28.42
	<i>For Work In Restricted Working Space, Add</i>	17.06	
	<i>For Installation Above 14', Add</i>	8.53	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.06	
26 05 33 13-0282	EA 1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	8.55	3.03
	<i>For Work In Restricted Working Space, Add</i>	1.82	
	<i>For Installation Above 14', Add</i>	0.91	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.82	
26 05 33 13-0283	EA 3/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	10.00	3.49
	<i>For Work In Restricted Working Space, Add</i>	2.10	
	<i>For Installation Above 14', Add</i>	1.05	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-0284	EA 1" x 8" Long Rigid Galvanized Steel (RGS) Nipple	12.67	4.43
	<i>For Work In Restricted Working Space, Add</i>	2.66	
	<i>For Installation Above 14', Add</i>	1.33	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-0285	EA 1-1/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	15.35	5.13
	<i>For Work In Restricted Working Space, Add</i>	3.08	
	<i>For Installation Above 14', Add</i>	1.54	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-0286	EA 1-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	18.05	5.83
	<i>For Work In Restricted Working Space, Add</i>	3.50	
	<i>For Installation Above 14', Add</i>	1.75	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-0287	EA 2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	20.65	6.54
	<i>For Work In Restricted Working Space, Add</i>	3.92	
	<i>For Installation Above 14', Add</i>	1.96	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-0288	EA 2-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	30.02	7.93
	<i>For Work In Restricted Working Space, Add</i>	4.76	
	<i>For Installation Above 14', Add</i>	2.38	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0289 EA 3" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.75 6.58 3.29 6.58	10.97
26 05 33 13-0290 EA 3-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.96 7.42 3.71 7.42	12.36
26 05 33 13-0291 EA 4" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.91 9.66 4.83 9.66	16.10
26 05 33 13-0292 EA 5" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.47 13.30 6.65 13.30	22.16
26 05 33 13-0293 EA 6" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.47 17.06 8.53 17.06	28.42
26 05 33 13-0294 EA 1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.17 1.82 0.91 1.82	3.03
26 05 33 13-0295 EA 3/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61 2.10 1.05 2.10	3.49
26 05 33 13-0296 EA 1" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.78 2.66 1.33 2.66	4.43
26 05 33 13-0297 EA 1-1/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.67 3.08 1.54 3.08	5.13
26 05 33 13-0298 EA 1-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.34 3.50 1.75 3.50	5.83
26 05 33 13-0299 EA 2" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.15 3.92 1.96 3.92	6.54
26 05 33 13-0300 EA 2-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.30 4.76 2.38 4.76	7.93
26 05 33 13-0301 EA 3" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.81 6.58 3.29 6.58	10.97
26 05 33 13-0302 EA 3-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.99 7.42 3.71 7.42	12.36
26 05 33 13-0303 EA 4" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.01 9.66 4.83 9.66	16.10
26 05 33 13-0304 EA 5" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.21 13.30 6.65 13.30	22.16
26 05 33 13-0305 EA 6" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.61 17.06 8.53 17.06	28.42
26 05 33 13-0306 EA 1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.65 1.82 0.91 1.82	3.03
26 05 33 13-0307 EA 3/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.05 2.10 1.05 2.10	3.49
26 05 33 13-0308 EA 1" x 12" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44 2.66 1.33 2.66	4.43
26 05 33 13-0309 EA 1-1/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.72 3.08 1.54 3.08	5.13
26 05 33 13-0310 EA 1-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.99 3.50 1.75 3.50	5.83

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0311	EA 2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	23.41	6.54
	<i>For Work In Restricted Working Space, Add</i>	3.92	
	<i>For Installation Above 14', Add</i>	1.96	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-0312	EA 2-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	34.98	7.93
	<i>For Work In Restricted Working Space, Add</i>	4.76	
	<i>For Installation Above 14', Add</i>	2.38	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.76	
26 05 33 13-0313	EA 3" x 12" Long Rigid Galvanized Steel (RGS) Nipple	46.07	10.97
	<i>For Work In Restricted Working Space, Add</i>	6.58	
	<i>For Installation Above 14', Add</i>	3.29	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-0314	EA 3-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	51.91	12.36
	<i>For Work In Restricted Working Space, Add</i>	7.42	
	<i>For Installation Above 14', Add</i>	3.71	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.42	
26 05 33 13-0315	EA 4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	64.12	16.10
	<i>For Work In Restricted Working Space, Add</i>	9.66	
	<i>For Installation Above 14', Add</i>	4.83	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66	
26 05 33 13-0316	EA 5" x 12" Long Rigid Galvanized Steel (RGS) Nipple	99.91	22.16
	<i>For Work In Restricted Working Space, Add</i>	13.30	
	<i>For Installation Above 14', Add</i>	6.65	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.30	
26 05 33 13-0317	EA 6" x 12" Long Rigid Galvanized Steel (RGS) Nipple	124.36	28.42
	<i>For Work In Restricted Working Space, Add</i>	17.06	
	<i>For Installation Above 14', Add</i>	8.53	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.06	
26 05 33 13-0318	Rigid Galvanized Steel (RGS) Off-Set Nipples <small>(26 05 33 13-0042)</small>		
26 05 33 13-0319	EA 1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	7.20	2.43
	<i>For Work In Restricted Working Space, Add</i>	1.84	
	<i>For Installation Above 14', Add</i>	0.92	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.84	
26 05 33 13-0320	EA 3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	8.61	2.80
	<i>For Work In Restricted Working Space, Add</i>	2.09	
	<i>For Installation Above 14', Add</i>	1.04	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.09	
26 05 33 13-0321	EA 1" Rigid Galvanized Steel (RGS) Off-Set Nipple	10.78	3.54
	<i>For Work In Restricted Working Space, Add</i>	2.67	
	<i>For Installation Above 14', Add</i>	1.34	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.67	
26 05 33 13-0322	EA 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	13.70	4.25
	<i>For Work In Restricted Working Space, Add</i>	3.20	
	<i>For Installation Above 14', Add</i>	1.60	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.20	
26 05 33 13-0323	EA 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	15.01	4.67
	<i>For Work In Restricted Working Space, Add</i>	3.50	
	<i>For Installation Above 14', Add</i>	1.75	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-0324	EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	19.68	5.74
	<i>For Work In Restricted Working Space, Add</i>	4.31	
	<i>For Installation Above 14', Add</i>	2.16	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.31	
26 05 33 13-0325	EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	32.16	9.33
	<i>For Work In Restricted Working Space, Add</i>	7.00	
	<i>For Installation Above 14', Add</i>	3.50	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.00	
26 05 33 13-0326	EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	52.24	12.87
	<i>For Work In Restricted Working Space, Add</i>	9.66	
	<i>For Installation Above 14', Add</i>	4.83	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66	
26 05 33 13-0327	EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	64.89	15.21
	<i>For Work In Restricted Working Space, Add</i>	11.35	
	<i>For Installation Above 14', Add</i>	5.67	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-0328	EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	77.91	17.54
	<i>For Work In Restricted Working Space, Add</i>	13.16	
	<i>For Installation Above 14', Add</i>	6.58	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16	
26 05 33 13-0329	Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling <small>(26 05 33 13-0042)</small>		
	Note: Erickson fittings.		
26 05 33 13-0330	EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	20.70	7.46
	<i>For Work In Restricted Working Space, Add</i>	5.61	
	<i>For Installation Above 14', Add</i>	2.80	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.61	
26 05 33 13-0331	EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	23.44	8.35
	<i>For Work In Restricted Working Space, Add</i>	6.26	
	<i>For Installation Above 14', Add</i>	3.13	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-0332	EA 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	27.98	9.29
	<i>For Work In Restricted Working Space, Add</i>	6.97	
	<i>For Installation Above 14', Add</i>	3.48	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0333	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.56 7.63 3.81 7.63	10.17
26 05 33	13-0334	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.96 8.35 4.17 8.35	11.11
26 05 33	13-0335	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.45 9.04 4.52 9.04	12.04
26 05 33	13-0336	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.67 11.20 5.60 11.20	14.93
26 05 33	13-0337	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.18 14.00 7.00 14.00	18.67
26 05 33	13-0338	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.45 16.80 8.40 16.80	22.39
26 05 33	13-0339	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	228.15 18.20 9.10 18.20	24.26
26 05 33	13-0340	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	418.42 22.40 11.20 22.40	29.86
26 05 33	13-0341	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	544.53 25.89 12.95 25.89	34.53
26 05 33	13-0342		Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0042)</small>		
26 05 33	13-0343	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.22 2.80 1.40	3.74
26 05 33	13-0344	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	13.68 3.08 1.54	4.11
26 05 33	13-0345	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.74 3.50 1.75	4.67
26 05 33	13-0346	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.97 3.78 1.89	5.04
26 05 33	13-0347	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.49 4.20 2.10	5.60
26 05 33	13-0348	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.48 4.62 2.31	6.16
26 05 33	13-0349	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	36.42 5.60 2.80	7.46
26 05 33	13-0350	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	44.99 7.00 3.50	9.33
26 05 33	13-0351	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	54.06 8.40 4.20	11.20
26 05 33	13-0352	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	61.28 9.10 4.55	12.13
26 05 33	13-0353		Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <small>(26 05 33 13-0042)</small>		
26 05 33	13-0354	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.94 2.52 1.26 2.52	4.20
26 05 33	13-0355	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.32 2.80 1.40 2.80	4.67
26 05 33	13-0356	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.35 3.50 1.75 3.50	5.83
26 05 33	13-0357	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.36 4.20 2.10 4.20	7.00

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0358	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.67 5.60 2.80 5.60	9.33
26 05 33	13-0359	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.35 6.30 3.15 6.30	10.50
26 05 33	13-0360	EA	2-1/2" Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.20 7.00 3.50 7.00	11.67
26 05 33	13-0361	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.27 8.82 4.41 8.82	14.70
26 05 33	13-0362	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.04 10.64 5.32 10.64	17.73
26 05 33	13-0363	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.66 12.60 6.30 12.60	21.00
26 05 33 13-0364 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement (26 05					
<small>33 13-0042)</small>					
<small>Note: Type AX</small>					
26 05 33	13-0365	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	72.39 5.60 2.80	7.46
26 05 33	13-0366	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	82.33 6.30 3.15	8.40
26 05 33	13-0367	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	98.79 7.00 3.50	9.33
26 05 33	13-0368	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	123.40 7.70 3.85	10.26
26 05 33	13-0369	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	158.60 8.40 4.20	11.20
26 05 33	13-0370	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	226.23 9.10 4.55	12.13
26 05 33	13-0371	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	354.02 11.20 5.60	14.93
26 05 33	13-0372	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	454.54 14.00 7.00	18.67
26 05 33	13-0373	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	673.67 16.80 8.40	22.39
26 05 33	13-0374	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	717.32 18.20 9.10	24.26
26 05 33	13-0375	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,113.93 22.40 11.20	29.86
26 05 33	13-0376	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,375.76 24.86 12.43	33.13
26 05 33 13-0377 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement (26 05					
<small>33 13-0042)</small>					
<small>Note: Type AX-8</small>					
26 05 33	13-0378	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	81.37 5.60 2.80	7.46
26 05 33	13-0379	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	90.29 6.30 3.15	8.40
26 05 33	13-0380	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	111.28 7.00 3.50	9.33
26 05 33	13-0381	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	143.06 7.70 3.85	10.26
26 05 33	13-0382	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	197.68 8.40 4.20	11.20
26 05 33	13-0383	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	244.90 9.10 4.55	12.13



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0384	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	475.06 11.20 5.60	14.93
26 05 33	13-0385	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	537.19 14.00 7.00	18.67
26 05 33	13-0386	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	837.00 16.80 8.40	22.39
26 05 33	13-0387	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	906.10 18.20 9.10	24.26
26 05 33	13-0388	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,273.07 22.40 11.20	29.86
26 05 33	13-0389	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,580.50 24.86 12.43	33.13
26 05 33 13-0390 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0042)</small>					
Note: Type EX					
26 05 33	13-0391	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	94.52 5.60 2.80	7.46
26 05 33	13-0392	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	121.28 6.30 3.15	8.40
26 05 33	13-0393	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	153.14 7.00 3.50	9.33
26 05 33	13-0394	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	188.39 7.70 3.85	10.26
26 05 33	13-0395	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	259.06 8.40 4.20	11.20
26 05 33	13-0396	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	363.53 9.10 4.55	12.13
26 05 33	13-0397	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	572.72 11.20 5.60	14.93
26 05 33	13-0398	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	774.97 14.00 7.00	18.67
26 05 33	13-0399	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,175.20 16.80 8.40	22.39
26 05 33	13-0400	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,214.15 18.20 9.10	24.26
26 05 33	13-0401	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,840.91 22.40 11.20	29.86
26 05 33	13-0402	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2,290.12 24.86 12.43	33.13
26 05 33 13-0403 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings <small>(26 05 33 13-0042)</small>					
Note: Type DX					
26 05 33	13-0404	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	175.58 5.60 2.80	7.46
26 05 33	13-0405	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	210.17 6.30 3.15	8.40
26 05 33	13-0406	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	255.72 7.00 3.50	9.33
26 05 33	13-0407	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	302.06 7.70 3.85	10.26
26 05 33	13-0408	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	334.34 8.40 4.20	11.20
26 05 33	13-0409	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	416.68 9.10 4.55	12.13
26 05 33	13-0410	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	552.98 11.20 5.60	14.93
26 05 33	13-0411	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	701.84 14.00 7.00	18.67

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0412	EA		3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	786.86	22.39
			<i>For Work In Restricted Working Space, Add</i>	16.80	
			<i>For Installation Above 14', Add</i>	8.40	
26 05 33 13-0413	EA		4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	960.05	24.26
			<i>For Work In Restricted Working Space, Add</i>	18.20	
			<i>For Installation Above 14', Add</i>	9.10	
26 05 33 13-0414	EA		5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,665.69	29.86
			<i>For Work In Restricted Working Space, Add</i>	22.40	
			<i>For Installation Above 14', Add</i>	11.20	
26 05 33 13-0415	EA		6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	2,677.62	33.13
			<i>For Work In Restricted Working Space, Add</i>	24.86	
			<i>For Installation Above 14', Add</i>	12.43	
26 05 33 13-0416 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers (26 05 33 13-0042)					
26 05 33 13-0417	EA		1/2" To 3/4" Conduit, 14" Bonding Jumper.....	41.69	3.74
			<i>For Work In Restricted Working Space, Add</i>	2.80	
			<i>For Installation Above 14', Add</i>	1.40	
26 05 33 13-0418	EA		1" To 1-1/4" Conduit, 14" Bonding Jumper.....	47.29	4.67
			<i>For Work In Restricted Working Space, Add</i>	3.50	
			<i>For Installation Above 14', Add</i>	1.75	
26 05 33 13-0419	EA		1-1/2" To 2" Conduit, 14" Bonding Jumper.....	58.61	5.60
			<i>For Work In Restricted Working Space, Add</i>	4.20	
			<i>For Installation Above 14', Add</i>	2.10	
26 05 33 13-0420	EA		2-1/2" To 3" Conduit, 14" Bonding Jumper.....	83.13	7.46
			<i>For Work In Restricted Working Space, Add</i>	5.60	
			<i>For Installation Above 14', Add</i>	2.80	
26 05 33 13-0421	EA		3-1/2" To 4" Conduit, 14" Bonding Jumper.....	126.17	11.20
			<i>For Work In Restricted Working Space, Add</i>	8.40	
			<i>For Installation Above 14', Add</i>	4.20	
26 05 33 13-0422	EA		5" To 6" Conduit, 14" Bonding Jumper.....	223.84	14.93
			<i>For Work In Restricted Working Space, Add</i>	11.20	
			<i>For Installation Above 14', Add</i>	5.60	
26 05 33 13-0423	EA		1/2" To 3/4" Conduit, 24" Bonding Jumper.....	47.23	3.74
			<i>For Work In Restricted Working Space, Add</i>	2.80	
			<i>For Installation Above 14', Add</i>	1.40	
26 05 33 13-0424	EA		1" To 1-1/4" Conduit, 24" Bonding Jumper.....	54.29	4.67
			<i>For Work In Restricted Working Space, Add</i>	3.50	
			<i>For Installation Above 14', Add</i>	1.75	
26 05 33 13-0425	EA		1-1/2" To 2" Conduit, 24" Bonding Jumper.....	65.02	5.60
			<i>For Work In Restricted Working Space, Add</i>	4.20	
			<i>For Installation Above 14', Add</i>	2.10	
26 05 33 13-0426	EA		2-1/2" To 3" Conduit, 24" Bonding Jumper.....	91.64	7.46
			<i>For Work In Restricted Working Space, Add</i>	5.60	
			<i>For Installation Above 14', Add</i>	2.80	
26 05 33 13-0427	EA		3-1/2" To 4" Conduit, 24" Bonding Jumper.....	137.46	11.20
			<i>For Work In Restricted Working Space, Add</i>	8.40	
			<i>For Installation Above 14', Add</i>	4.20	
26 05 33 13-0428	EA		5" To 6" Conduit, 24" Bonding Jumper.....	260.26	14.93
			<i>For Work In Restricted Working Space, Add</i>	11.20	
			<i>For Installation Above 14', Add</i>	5.60	
26 05 33 13-0429 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0042)					
26 05 33 13-0430	EA		1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	43.39	11.67
			<i>For Work In Restricted Working Space, Add</i>	7.00	
			<i>For Installation Above 14', Add</i>	3.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.00	
26 05 33 13-0431	EA		3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	51.55	14.00
			<i>For Work In Restricted Working Space, Add</i>	8.40	
			<i>For Installation Above 14', Add</i>	4.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.40	
26 05 33 13-0432	EA		1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	62.94	16.33
			<i>For Work In Restricted Working Space, Add</i>	9.80	
			<i>For Installation Above 14', Add</i>	4.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.80	
26 05 33 13-0433	EA		1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	74.09	18.67
			<i>For Work In Restricted Working Space, Add</i>	11.20	
			<i>For Installation Above 14', Add</i>	5.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.20	
26 05 33 13-0434	EA		1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	97.34	21.00
			<i>For Work In Restricted Working Space, Add</i>	12.60	
			<i>For Installation Above 14', Add</i>	6.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.60	
26 05 33 13-0435	EA		2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	118.37	23.33
			<i>For Work In Restricted Working Space, Add</i>	14.00	
			<i>For Installation Above 14', Add</i>	7.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.00	
26 05 33 13-0436	EA		2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal.....	167.40	28.00
			<i>For Work In Restricted Working Space, Add</i>	16.80	
			<i>For Installation Above 14', Add</i>	8.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.80	
26 05 33 13-0437	EA		3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	201.41	32.67
			<i>For Work In Restricted Working Space, Add</i>	19.60	
			<i>For Installation Above 14', Add</i>	9.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0438 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	467.15	37.33
For Work In Restricted Working Space, Add	22.40	
For Installation Above 14', Add	11.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.40	
26 05 33 13-0439 EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	538.24	42.00
For Work In Restricted Working Space, Add	25.20	
For Installation Above 14', Add	12.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.20	
26 05 33 13-0440 Rigid Galvanized Steel (RGS) Threaded Couplings (26 05 33 13-0042)		
26 05 33 13-0441 EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	6.65	2.80
For Work In Restricted Working Space, Add	1.68	
For Installation Above 14', Add	0.84	
26 05 33 13-0442 EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	9.25	3.97
For Work In Restricted Working Space, Add	2.38	
For Installation Above 14', Add	1.19	
26 05 33 13-0443 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	12.27	5.13
For Work In Restricted Working Space, Add	3.08	
For Installation Above 14', Add	1.54	
26 05 33 13-0444 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	14.21	5.83
For Work In Restricted Working Space, Add	3.50	
For Installation Above 14', Add	1.75	
26 05 33 13-0445 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	17.18	7.00
For Work In Restricted Working Space, Add	4.20	
For Installation Above 14', Add	2.10	
26 05 33 13-0446 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	20.60	7.93
For Work In Restricted Working Space, Add	4.76	
For Installation Above 14', Add	2.38	
26 05 33 13-0447 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	28.36	8.87
For Work In Restricted Working Space, Add	5.32	
For Installation Above 14', Add	2.66	
26 05 33 13-0448 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	33.88	10.03
For Work In Restricted Working Space, Add	6.02	
For Installation Above 14', Add	3.01	
26 05 33 13-0449 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	40.60	10.97
For Work In Restricted Working Space, Add	6.58	
For Installation Above 14', Add	3.29	
26 05 33 13-0450 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	42.77	11.67
For Work In Restricted Working Space, Add	7.00	
For Installation Above 14', Add	3.50	
26 05 33 13-0451 Rigid Galvanized Steel (RGS) Sealing Locknut (26 05 33 13-0042)		
26 05 33 13-0452 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	1.86	0.46
26 05 33 13-0453 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.47	0.70
26 05 33 13-0454 EA 1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	4.10	1.16
26 05 33 13-0455 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	6.02	1.64
26 05 33 13-0456 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	7.39	1.87
26 05 33 13-0457 EA 2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	8.84	2.10
26 05 33 13-0458 Rigid Galvanized Steel (RGS) Fire Stop Fittings (26 05 33 13-0042)		
26 05 33 13-0459 EA 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	94.06	5.66
For Work In Restricted Working Space, Add	4.25	
For Installation Above 14', Add	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.25	
26 05 33 13-0460 EA 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	95.42	6.21
For Work In Restricted Working Space, Add	4.66	
For Installation Above 14', Add	2.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.66	
26 05 33 13-0461 EA 1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	114.79	6.81
For Work In Restricted Working Space, Add	5.10	
For Installation Above 14', Add	2.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.10	
26 05 33 13-0462 EA 1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	126.01	7.46
For Work In Restricted Working Space, Add	5.60	
For Installation Above 14', Add	2.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.60	
26 05 33 13-0463 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	143.83	8.40
For Work In Restricted Working Space, Add	6.30	
For Installation Above 14', Add	3.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.30	
26 05 33 13-0464 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	214.15	9.33
For Work In Restricted Working Space, Add	7.01	
For Installation Above 14', Add	3.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.01	
26 05 33 13-0465 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	245.79	12.46
For Work In Restricted Working Space, Add	9.34	
For Installation Above 14', Add	4.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.34	
26 05 33 13-0466 EA 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	272.71	13.67
For Work In Restricted Working Space, Add	10.26	
For Installation Above 14', Add	5.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.26	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0467 EA 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	317.58	14.93
For Work In Restricted Working Space, Add	11.20	
For Installation Above 14', Add	5.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.20	
26 05 33 13-0468 EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	358.02	16.80
For Work In Restricted Working Space, Add	12.60	
For Installation Above 14', Add	6.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.60	
26 05 33 13-0469 EA 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	481.93	18.67
For Work In Restricted Working Space, Add	14.00	
For Installation Above 14', Add	7.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.00	
26 05 33 13-0470 EA 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	600.36	20.72
For Work In Restricted Working Space, Add	15.54	
For Installation Above 14', Add	7.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.54	
26 05 33 13-0471 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0042)		
26 05 33 13-0472 EA 3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	7.95	3.62
For Work In Restricted Working Space, Add	2.17	
For Installation Above 14', Add	1.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.17	
26 05 33 13-0473 EA 1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	9.02	3.85
For Work In Restricted Working Space, Add	2.31	
For Installation Above 14', Add	1.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.31	
26 05 33 13-0474 EA 1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	9.25	3.97
For Work In Restricted Working Space, Add	2.38	
For Installation Above 14', Add	1.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.38	
26 05 33 13-0475 EA 1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	11.58	4.09
For Work In Restricted Working Space, Add	2.45	
For Installation Above 14', Add	1.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.45	
26 05 33 13-0476 EA 1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	11.82	4.20
For Work In Restricted Working Space, Add	2.52	
For Installation Above 14', Add	1.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.52	
26 05 33 13-0477 EA 1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	12.29	4.43
For Work In Restricted Working Space, Add	2.66	
For Installation Above 14', Add	1.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.66	
26 05 33 13-0478 EA 1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	13.48	4.67
For Work In Restricted Working Space, Add	2.80	
For Installation Above 14', Add	1.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.80	
26 05 33 13-0479 EA 1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	13.72	4.78
For Work In Restricted Working Space, Add	2.87	
For Installation Above 14', Add	1.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.87	
26 05 33 13-0480 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	14.18	5.02
For Work In Restricted Working Space, Add	3.01	
For Installation Above 14', Add	1.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.01	
26 05 33 13-0481 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	14.65	5.25
For Work In Restricted Working Space, Add	3.15	
For Installation Above 14', Add	1.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.15	
26 05 33 13-0482 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	19.61	5.25
For Work In Restricted Working Space, Add	3.15	
For Installation Above 14', Add	1.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.15	
26 05 33 13-0483 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	19.84	5.36
For Work In Restricted Working Space, Add	3.22	
For Installation Above 14', Add	1.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-0484 EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	20.31	5.60
For Work In Restricted Working Space, Add	3.36	
For Installation Above 14', Add	1.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.36	
26 05 33 13-0485 EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	20.78	5.83
For Work In Restricted Working Space, Add	3.50	
For Installation Above 14', Add	1.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.50	
26 05 33 13-0486 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	21.94	6.42
For Work In Restricted Working Space, Add	3.85	
For Installation Above 14', Add	1.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.85	
26 05 33 13-0487 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	28.65	7.58
For Work In Restricted Working Space, Add	4.55	
For Installation Above 14', Add	2.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.55	
26 05 33 13-0488 Rigid Galvanized Steel (RGS) Locknuts (26 05 33 13-0042)		
26 05 33 13-0489 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts.....	1.00	0.46
For Work In Restricted Working Space, Add	0.28	
For Installation Above 14', Add	0.14	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0490	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1.49 0.42 0.21	0.70
26 05 33	13-0491	EA	1" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2.49 0.70 0.35	1.16
26 05 33	13-0492	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.51 0.98 0.49	1.64
26 05 33	13-0493	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.07 1.12 0.56	1.87
26 05 33	13-0494	EA	2" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.60 1.26 0.63	2.10
26 05 33	13-0495	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.68 1.68 0.84	2.80
26 05 33	13-0496	EA	3" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.19 2.10 1.05	3.49
26 05 33	13-0497	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.91 2.38 1.19	3.97
26 05 33	13-0498	EA	4" Rigid Galvanized Steel (RGS) Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.15 2.66 1.33	4.43
26 05 33	13-0499		Rigid Galvanized Steel (RGS) Grounding Locknuts <small>(26 05 33 13-0042)</small>		
26 05 33	13-0500	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1.92 0.28 0.14	0.46
26 05 33	13-0501	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2.58 0.42 0.21	0.70
26 05 33	13-0502	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.03 0.70 0.35	1.16
26 05 33	13-0503	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.62 0.98 0.49	1.64
26 05 33	13-0504	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.32 1.12 0.56	1.87
26 05 33	13-0505	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.57 1.26 0.63	2.10
26 05 33	13-0506	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.86 1.68 0.84	2.80
26 05 33	13-0507	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.95 2.10 1.05	3.49
26 05 33	13-0508	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.83 2.38 1.19	3.97
26 05 33	13-0509	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	25.51 2.66 1.33	4.43
26 05 33	13-0510		Rigid Galvanized Steel (RGS) Insulated Ground Bushing <small>(26 05 33 13-0042)</small>		
26 05 33	13-0511	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.27 0.84 0.42	1.40
26 05 33	13-0512	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.42 1.12 0.56	1.87
26 05 33	13-0513	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.28 1.40 0.70	2.33
26 05 33	13-0514	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.49 2.24 1.12	3.74
26 05 33	13-0515	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.96 2.52 1.26	4.20
26 05 33	13-0516	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.92 2.80 1.40	4.67
26 05 33	13-0517	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.00 3.36 1.68	5.60
26 05 33	13-0518	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.37 4.20 2.10	7.00

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0519	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	31.45 5.60 2.80	9.33
26 05 33	13-0520	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	37.78 7.00 3.50	11.67
26 05 33 13-0521 Rigid Galvanized Steel (RGS) Threadless Compression Connectors (26 05 33 13-0042)					
26 05 33	13-0522	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.13 2.52 1.26	4.20
26 05 33	13-0523	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.12 2.80 1.40	4.67
26 05 33	13-0524	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	16.03 3.50 1.75	5.83
26 05 33	13-0525	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.20 4.20 2.10	7.00
26 05 33	13-0526	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	30.02 5.60 2.80	9.33
26 05 33	13-0527	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	45.11 7.00 3.50	11.67
26 05 33	13-0528	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	78.24 8.40 4.20	14.00
26 05 33	13-0529	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	99.28 9.80 4.90	16.33
26 05 33	13-0530	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	126.72 11.90 5.95	19.83
26 05 33	13-0531	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	153.23 14.00 7.00	23.33
26 05 33 13-0532 Rigid Galvanized Steel (RGS) Compression Coupling (26 05 33 13-0042)					
26 05 33	13-0533	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.46 3.50 1.75	5.83
26 05 33	13-0534	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.48 4.20 2.10	7.00
26 05 33	13-0535	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.49 5.60 2.80	9.33
26 05 33	13-0536	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	34.90 7.00 3.50	11.67
26 05 33	13-0537	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	43.06 8.40 4.20	14.00
26 05 33	13-0538	EA	2" Rigid Galvanized Steel (RGS) Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	65.61 9.80 4.90	16.33
26 05 33	13-0539	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	106.71 11.20 5.60	18.67
26 05 33	13-0540	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	124.11 9.66 4.83	16.10
26 05 33	13-0541	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	170.00 14.70 7.35	24.50
26 05 33	13-0542	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	210.83 16.80 8.40	28.00
26 05 33 13-0543 Rigid Galvanized Steel (RGS) Knock Out Seal (26 05 33 13-0042)					
26 05 33	13-0544	EA	1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2.54 0.70 0.35	1.16
26 05 33	13-0545	EA	3/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.07 0.84 0.42	1.40
26 05 33	13-0546	EA	1" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.70 0.98 0.49	1.64
26 05 33	13-0547	EA	1-1/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.77 1.26 0.63	2.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0548 EA 1-1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.47 1.40 0.70	2.33
26 05 33 13-0549 EA 2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.72 1.68 0.84	2.80
26 05 33 13-0550 EA 2-1/2" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.62 2.10 1.05	3.49
26 05 33 13-0551 EA 3" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.25 2.38 1.19	3.97
26 05 33 13-0552 EA 3-1/2" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.73 2.66 1.33	4.43
26 05 33 13-0553 EA 4" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.91 2.94 1.47	4.90
26 05 33 13-0554 Rigid Galvanized Steel (RGS) Chase Nipples <small>(26 05 33 13-0042)</small>		
26 05 33 13-0555 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.92 1.68 0.84 1.68	2.80
26 05 33 13-0556 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08 1.96 0.98 1.96	3.26
26 05 33 13-0557 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.10 2.38 1.19 2.38	3.97
26 05 33 13-0558 EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.36 2.80 1.40 2.80	4.67
26 05 33 13-0559 EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.28 3.50 1.75 3.50	5.83
26 05 33 13-0560 EA 2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.24 4.20 2.10 4.20	7.00
26 05 33 13-0561 EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.39 4.90 2.45 4.90	8.16
26 05 33 13-0562 EA 3" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.94 5.60 2.80 5.60	9.33
26 05 33 13-0563 EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.62 6.30 3.15 6.30	10.50
26 05 33 13-0564 EA 4" Rigid Galvanized Steel (RGS) Chase Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.97 7.00 3.50 7.00	11.67
26 05 33 13-0565 Rigid Galvanized Steel (RGS) Pulling Elbow <small>(26 05 33 13-0042)</small>		
26 05 33 13-0566 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	13.96 2.52 1.26	4.20
26 05 33 13-0567 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	16.18 2.94 1.47	4.90
26 05 33 13-0568 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.79 3.36 1.68	5.60
26 05 33 13-0569 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	28.26 4.20 2.10	7.00
26 05 33 13-0570 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	39.44 5.04 2.52	8.40
26 05 33 13-0571 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	55.43 5.88 2.94	9.80
26 05 33 13-0572 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	81.55 6.72 3.36	11.20
26 05 33 13-0573 EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	153.33 8.40 4.20	14.00

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0574	Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0041)</small>		
	Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0575	Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0574)</small>		
	Note: Includes field bending conduit up to and including 1".		
26 05 33 13-0576	LF 1/2" Electrical Metallic Tubing (EMT) Conduit.....	2.49	0.84
	For >250 To 500, Deduct	-0.02	
	For >500 To 1,000, Deduct	-0.13	
	For >1,000, Deduct	-0.20	
	For Installation In Metal Stud Wall, Add	0.21	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.53	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.32	
	For Work In Restricted Working Space, Add	0.63	
	For Installation Above 14', Add	0.32	
	For Factory Applied Color Coating, Add	0.12	
26 05 33 13-0577	LF 3/4" Electrical Metallic Tubing (EMT) Conduit.....	2.95	0.93
	For >250 To 500, Deduct	-0.03	
	For >500 To 1,000, Deduct	-0.16	
	For >1,000, Deduct	-0.24	
	For Installation In Metal Stud Wall, Add	0.23	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.58	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.35	
	For Work In Restricted Working Space, Add	0.70	
	For Installation Above 14', Add	0.35	
	For Factory Applied Color Coating, Add	0.19	
26 05 33 13-0578	LF 1" Electrical Metallic Tubing (EMT) Conduit.....	3.60	1.02
	For >250 To 500, Deduct	-0.05	
	For >500 To 1,000, Deduct	-0.21	
	For >1,000, Deduct	-0.30	
	For Installation In Metal Stud Wall, Add	0.26	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.64	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.39	
	For Work In Restricted Working Space, Add	0.77	
	For Installation Above 14', Add	0.39	
	For Factory Applied Color Coating, Add	0.31	
26 05 33 13-0579	LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	4.51	1.15
	For >250 To 500, Deduct	-0.08	
	For >500 To 1,000, Deduct	-0.27	
	For >1,000, Deduct	-0.38	
	For Installation In Metal Stud Wall, Add	0.29	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.72	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.43	
	For Work In Restricted Working Space, Add	0.87	
	For Installation Above 14', Add	0.43	
	For Factory Applied Color Coating, Add	0.49	
26 05 33 13-0580	LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit.....	5.27	1.31
	For >250 To 500, Deduct	-0.10	
	For >500 To 1,000, Deduct	-0.31	
	For >1,000, Deduct	-0.45	
	For Installation In Metal Stud Wall, Add	0.33	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.82	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.49	
	For Work In Restricted Working Space, Add	0.98	
	For Installation Above 14', Add	0.49	
	For Factory Applied Color Coating, Add	0.60	
26 05 33 13-0581	LF 2" Electrical Metallic Tubing (EMT) Conduit.....	6.13	1.50
	For >250 To 500, Deduct	-0.12	
	For >500 To 1,000, Deduct	-0.37	
	For >1,000, Deduct	-0.52	
	For Installation In Metal Stud Wall, Add	0.37	
	For Installation In Wood Stud Wall (Includes Drilling), Add	0.94	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.56	
	For Work In Restricted Working Space, Add	1.12	
	For Installation Above 14', Add	0.56	
	For Factory Applied Color Coating, Add	0.72	
26 05 33 13-0582	LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit.....	7.97	1.78
	For >250 To 500, Deduct	-0.18	
	For >500 To 1,000, Deduct	-0.49	
	For >1,000, Deduct	-0.69	
	For Installation In Metal Stud Wall, Add	0.44	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.11	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.66	
	For Work In Restricted Working Space, Add	1.33	
	For Installation Above 14', Add	0.66	
	For Factory Applied Color Coating, Add	1.06	
26 05 33 13-0583	LF 3" Electrical Metallic Tubing (EMT) Conduit.....	9.56	2.05
	For >250 To 500, Deduct	-0.22	
	For >500 To 1,000, Deduct	-0.59	
	For >1,000, Deduct	-0.83	
	For Installation In Metal Stud Wall, Add	0.51	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.28	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.77	
	For Work In Restricted Working Space, Add	1.54	
	For Installation Above 14', Add	0.77	
	For Factory Applied Color Coating, Add	1.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0584	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	11.99	2.43
			<i>For >250 To 500, Deduct</i>	-0.30	
			<i>For >500 To 1,000, Deduct</i>	-0.75	
			<i>For >1,000, Deduct</i>	-1.05	
			<i>For Installation In Metal Stud Wall, Add</i>	0.61	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.52	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	1.82	
			<i>For Installation Above 14', Add</i>	0.91	
			<i>For Factory Applied Color Coating, Add</i>	1.78	
26 05 33	13-0585	LF	4" Electrical Metallic Tubing (EMT) Conduit.....	15.90	3.92
			<i>For >250 To 500, Deduct</i>	-0.30	
			<i>For >500 To 1,000, Deduct</i>	-0.95	
			<i>For >1,000, Deduct</i>	-1.34	
			<i>For Installation In Metal Stud Wall, Add</i>	0.98	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.46	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.47	
			<i>For Work In Restricted Working Space, Add</i>	2.95	
			<i>For Installation Above 14', Add</i>	1.47	
			<i>For Factory Applied Color Coating, Add</i>	1.82	
26 05 33	13-0586		Electrical Metallic Tubing (EMT) 90 Degree Elbows (26 05 33 13-0574)		
			See CSI section 26 05 33 13-2198 for conduit field bending.		
26 05 33	13-0587	EA	1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	6.97	2.05
			<i>For Work In Restricted Working Space, Add</i>	1.54	
			<i>For Installation Above 14', Add</i>	0.77	
26 05 33	13-0588	EA	3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	7.24	2.24
			<i>For Work In Restricted Working Space, Add</i>	1.68	
			<i>For Installation Above 14', Add</i>	0.84	
26 05 33	13-0589	EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	9.11	2.61
			<i>For Work In Restricted Working Space, Add</i>	1.96	
			<i>For Installation Above 14', Add</i>	0.98	
26 05 33	13-0590	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	10.20	2.80
			<i>For Work In Restricted Working Space, Add</i>	2.10	
			<i>For Installation Above 14', Add</i>	1.05	
26 05 33	13-0591	EA	1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	11.99	3.36
			<i>For Work In Restricted Working Space, Add</i>	2.52	
			<i>For Installation Above 14', Add</i>	1.26	
26 05 33	13-0592	EA	2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	16.04	4.30
			<i>For Work In Restricted Working Space, Add</i>	3.22	
			<i>For Installation Above 14', Add</i>	1.61	
26 05 33	13-0593	EA	2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	23.87	4.85
			<i>For Work In Restricted Working Space, Add</i>	3.64	
			<i>For Installation Above 14', Add</i>	1.82	
26 05 33	13-0594	EA	3" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	32.49	5.41
			<i>For Work In Restricted Working Space, Add</i>	4.06	
			<i>For Installation Above 14', Add</i>	2.03	
26 05 33	13-0595	EA	3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	37.35	5.97
			<i>For Work In Restricted Working Space, Add</i>	4.48	
			<i>For Installation Above 14', Add</i>	2.24	
26 05 33	13-0596	EA	4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	73.45	17.19
			<i>For Work In Restricted Working Space, Add</i>	12.89	
			<i>For Installation Above 14', Add</i>	6.45	
26 05 33	13-0597		Electrical Metallic Tubing (EMT) Set Screw Couplings (26 05 33 13-0574)		
26 05 33	13-0598	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	2.54	1.12
			<i>For Work In Restricted Working Space, Add</i>	0.70	
			<i>For Installation Above 14', Add</i>	0.35	
26 05 33	13-0599	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	3.11	1.12
			<i>For Work In Restricted Working Space, Add</i>	0.84	
			<i>For Installation Above 14', Add</i>	0.42	
26 05 33	13-0600	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	3.73	1.31
			<i>For Work In Restricted Working Space, Add</i>	0.98	
			<i>For Installation Above 14', Add</i>	0.49	
26 05 33	13-0601	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	5.24	1.68
			<i>For Work In Restricted Working Space, Add</i>	1.26	
			<i>For Installation Above 14', Add</i>	0.63	
26 05 33	13-0602	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	6.50	2.05
			<i>For Work In Restricted Working Space, Add</i>	1.54	
			<i>For Installation Above 14', Add</i>	0.77	
26 05 33	13-0603	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	8.82	2.80
			<i>For Work In Restricted Working Space, Add</i>	2.10	
			<i>For Installation Above 14', Add</i>	1.05	
26 05 33	13-0604	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	12.52	3.74
			<i>For Work In Restricted Working Space, Add</i>	2.80	
			<i>For Installation Above 14', Add</i>	1.40	
26 05 33	13-0605	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	16.63	4.30
			<i>For Work In Restricted Working Space, Add</i>	3.50	
			<i>For Installation Above 14', Add</i>	1.75	
26 05 33	13-0606	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	17.93	4.67
			<i>For Work In Restricted Working Space, Add</i>	4.20	
			<i>For Installation Above 14', Add</i>	2.10	
26 05 33	13-0607	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	53.10	14.25
			<i>For Work In Restricted Working Space, Add</i>	13.83	
			<i>For Installation Above 14', Add</i>	6.92	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0608		Electrical Metallic Tubing (EMT) Compression Couplings <small>(26 05 33 13-0574)</small>		
26 05 33	13-0609	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.32 0.84 0.42	1.12
26 05 33	13-0610	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.84 0.98 0.49	1.31
26 05 33	13-0611	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.47 1.40 0.70	1.87
26 05 33	13-0612	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.28 1.68 0.84	2.24
26 05 33	13-0613	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.90 1.96 0.98	2.61
26 05 33	13-0614	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.11 2.52 1.26	3.36
26 05 33	13-0615	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.89 3.36 1.68	4.48
26 05 33	13-0616	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	24.07 3.92 1.96	5.22
26 05 33	13-0617	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	30.11 4.90 2.45	6.54
26 05 33	13-0618	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	38.57 6.30 3.15	8.40
26 05 33	13-0619		Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw <small>(26 05 33 13-0574)</small>		
26 05 33	13-0620	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.50 0.70 0.35 0.70	0.93
26 05 33	13-0621	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07 0.84 0.42 0.84	1.12
26 05 33	13-0622	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.73 0.98 0.49 0.98	1.31
26 05 33	13-0623	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54 1.40 0.70 1.40	1.87
26 05 33	13-0624	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.87 1.68 0.84 1.68	2.24
26 05 33	13-0625	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.88 2.10 1.05 2.10	2.80
26 05 33	13-0626	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56 2.80 1.40 2.80	3.74
26 05 33	13-0627	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.07 3.50 1.75 3.50	4.67
26 05 33	13-0628	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.19 4.20 2.10 4.20	5.60
26 05 33	13-0629	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.66 4.90 2.45 4.90	6.54
26 05 33	13-0630		Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw <small>(26 05 33 13-0574)</small>		
26 05 33	13-0631	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.40 0.94 0.47 0.94	1.26
26 05 33	13-0632	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85 1.02 0.51 1.02	1.36



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0633	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96 1.25 0.62 1.25	1.68
26 05 33	13-0634	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.64 1.60 0.80 1.60	2.15
26 05 33	13-0635	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97 1.86 0.93 1.86	2.47
26 05 33	13-0636	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.88 2.24 1.12 2.24	2.98
26 05 33	13-0637	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.29 3.11 1.55 3.11	4.16
26 05 33	13-0638	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.29 4.14 2.07 4.14	5.50
26 05 33	13-0639	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.62 5.33 2.67 5.33	7.09
26 05 33	13-0640	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.37 7.00 3.50 7.00	9.33
26 05 33 13-0641 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors <small>(26 05 33 13-0574)</small>					
26 05 33	13-0642	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07 0.84 0.42 0.84	1.12
26 05 33	13-0643	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.67 0.98 0.49 0.98	1.31
26 05 33	13-0644	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.25 1.40 0.70 1.40	1.87
26 05 33	13-0645	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.70 1.68 0.84 1.68	2.24
26 05 33	13-0646	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.09 1.96 0.98 1.96	2.61
26 05 33	13-0647	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.65 2.52 1.26 2.52	3.36
26 05 33	13-0648	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.98 3.36 1.68 3.36	4.48
26 05 33	13-0649	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.86 4.20 2.10 4.20	5.60
26 05 33	13-0650	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.99 4.90 2.45 4.90	6.54
26 05 33	13-0651	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.48 5.60 2.80 5.60	7.46
26 05 33 13-0652 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors <small>(26 05 33 13-0574)</small>					
26 05 33	13-0653	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.58 0.94 0.47 0.94	1.26
26 05 33	13-0654	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.04 1.02 0.51 1.02	1.36

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0655	EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	5.12	1.68
	<i>For Work In Restricted Working Space, Add</i>	1.25	
	<i>For Installation Above 14', Add</i>	0.62	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.25	
26 05 33 13-0656	EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	7.11	2.15
	<i>For Work In Restricted Working Space, Add</i>	1.60	
	<i>For Installation Above 14', Add</i>	0.80	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.60	
26 05 33 13-0657	EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	8.75	2.47
	<i>For Work In Restricted Working Space, Add</i>	1.86	
	<i>For Installation Above 14', Add</i>	0.93	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.86	
26 05 33 13-0658	EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	11.00	2.98
	<i>For Work In Restricted Working Space, Add</i>	2.24	
	<i>For Installation Above 14', Add</i>	1.12	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.24	
26 05 33 13-0659	EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	22.37	4.16
	<i>For Work In Restricted Working Space, Add</i>	3.11	
	<i>For Installation Above 14', Add</i>	1.55	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.11	
26 05 33 13-0660	EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	30.15	5.50
	<i>For Work In Restricted Working Space, Add</i>	4.14	
	<i>For Installation Above 14', Add</i>	2.07	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.14	
26 05 33 13-0661	EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	41.66	7.09
	<i>For Work In Restricted Working Space, Add</i>	5.33	
	<i>For Installation Above 14', Add</i>	2.67	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.33	
26 05 33 13-0662	EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	51.27	9.33
	<i>For Work In Restricted Working Space, Add</i>	7.00	
	<i>For Installation Above 14', Add</i>	3.50	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.00	
26 05 33 13-0663	Electrical Metallic Tubing (EMT) Expansion Coupling <small>(26 05 33 13-0574)</small>		
	Note: Excludes jumper.		
26 05 33 13-0664	EA 1/2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	34.48	6.21
	<i>For Work In Restricted Working Space, Add</i>	4.66	
	<i>For Installation Above 14', Add</i>	2.33	
26 05 33 13-0665	EA 3/4" Electrical Metallic Tubing (EMT) Expansion Coupling.....	41.43	7.51
	<i>For Work In Restricted Working Space, Add</i>	5.65	
	<i>For Installation Above 14', Add</i>	2.82	
26 05 33 13-0666	EA 1" Electrical Metallic Tubing (EMT) Expansion Coupling.....	50.52	9.43
	<i>For Work In Restricted Working Space, Add</i>	7.06	
	<i>For Installation Above 14', Add</i>	3.53	
26 05 33 13-0667	EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling.....	66.76	11.57
	<i>For Work In Restricted Working Space, Add</i>	8.69	
	<i>For Installation Above 14', Add</i>	4.34	
26 05 33 13-0668	EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	84.90	13.58
	<i>For Work In Restricted Working Space, Add</i>	10.19	
	<i>For Installation Above 14', Add</i>	5.09	
26 05 33 13-0669	EA 2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	107.59	16.52
	<i>For Work In Restricted Working Space, Add</i>	12.40	
	<i>For Installation Above 14', Add</i>	6.20	
26 05 33 13-0670	EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	230.44	21.23
	<i>For Work In Restricted Working Space, Add</i>	15.93	
	<i>For Installation Above 14', Add</i>	7.96	
26 05 33 13-0671	EA 3" Electrical Metallic Tubing (EMT) Expansion Coupling.....	284.62	24.82
	<i>For Work In Restricted Working Space, Add</i>	18.62	
	<i>For Installation Above 14', Add</i>	9.31	
26 05 33 13-0672	EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	357.87	27.06
	<i>For Work In Restricted Working Space, Add</i>	20.30	
	<i>For Installation Above 14', Add</i>	10.15	
26 05 33 13-0673	EA 4" Electrical Metallic Tubing (EMT) Expansion Coupling.....	385.95	29.86
	<i>For Work In Restricted Working Space, Add</i>	22.40	
	<i>For Installation Above 14', Add</i>	11.20	
26 05 33 13-0674	Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters		
	<small>(26 05 33 13-0574)</small>		
26 05 33 13-0675	EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	5.29	1.68
	<i>For Work In Restricted Working Space, Add</i>	1.25	
	<i>For Installation Above 14', Add</i>	0.62	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.25	
26 05 33 13-0676	EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	5.91	1.68
	<i>For Work In Restricted Working Space, Add</i>	1.25	
	<i>For Installation Above 14', Add</i>	0.62	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.25	
26 05 33 13-0677	EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	6.63	1.82
	<i>For Work In Restricted Working Space, Add</i>	1.38	
	<i>For Installation Above 14', Add</i>	0.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.38	
26 05 33 13-0678	EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	7.83	2.10
	<i>For Work In Restricted Working Space, Add</i>	1.57	
	<i>For Installation Above 14', Add</i>	0.79	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.57	
26 05 33 13-0679	EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	12.22	2.52
	<i>For Work In Restricted Working Space, Add</i>	1.90	
	<i>For Installation Above 14', Add</i>	0.95	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0680 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.42 2.17 1.09 2.17	2.89
26 05 33 13-0681 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.47 2.72 1.36 2.72	3.64
26 05 33 13-0682 Electrical Metallic Tubing (EMT) Pulling Elbows (26 05 33 13-0574)		
26 05 33 13-0683 EA 1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.37 2.52 1.26 2.52	4.20
26 05 33 13-0684 EA 3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.25 2.94 1.47 2.94	4.90
26 05 33 13-0685 EA 1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.35 3.36 1.68 3.36	5.60
26 05 33 13-0686 EA 1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.47 4.20 2.10 4.20	7.00
26 05 33 13-0687 Intermediate Metal Conduit (IMC) (26 05 33 13-0041) Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0688 Intermediate Metal Conduit (IMC) Conduit (26 05 33 13-0687) Note: Includes field bending conduit up to 1".		
26 05 33 13-0689 LF 1/2" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.34 -0.05 -0.08 -0.10 0.23 0.58 0.35 0.70 0.35	0.93
26 05 33 13-0690 LF 3/4" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.77 -0.06 -0.09 -0.12 0.26 0.64 0.39 0.77 0.39	1.02
26 05 33 13-0691 LF 1" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.66 -0.09 -0.14 -0.19 0.28 0.70 0.42 0.84 0.42	1.12
26 05 33 13-0692 LF 1-1/4" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.61 -0.12 -0.18 -0.24 0.33 0.82 0.49 0.98 0.49	2.24
26 05 33 13-0693 LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.52 -0.14 -0.21 -0.28 0.37 0.94 0.56 1.12 0.56	1.50
26 05 33 13-0694 LF 2" Intermediate Metal Conduit (IMC) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.97 -0.19 -0.28 -0.38 0.42 1.05 0.63 1.26 0.63	1.68

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0695 LF 2-1/2" Intermediate Metal Conduit (IMC) Conduit	13.95	2.24
For >250 To 500, Deduct	-0.42	
For >500 To 1,000, Deduct	-0.63	
For >1,000, Deduct	-0.84	
For Installation In Metal Stub Wall, Add	0.56	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.40	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.84	
For Work In Restricted Working Space, Add	1.68	
For Installation Above 14', Add	0.84	
26 05 33 13-0696 LF 3" Intermediate Metal Conduit (IMC) Conduit	17.28	2.80
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-0.77	
For >1,000, Deduct	-1.03	
For Installation In Metal Stub Wall, Add	0.70	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.75	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
For Work In Restricted Working Space, Add	2.10	
For Installation Above 14', Add	1.05	
26 05 33 13-0697 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit	20.30	3.36
For >250 To 500, Deduct	-0.60	
For >500 To 1,000, Deduct	-0.89	
For >1,000, Deduct	-1.19	
For Installation In Metal Stub Wall, Add	0.84	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.10	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.26	
For Work In Restricted Working Space, Add	2.52	
For Installation Above 14', Add	1.26	
26 05 33 13-0698 LF 4" Intermediate Metal Conduit (IMC) Conduit	23.81	3.92
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.05	
For >1,000, Deduct	-1.40	
For Installation In Metal Stub Wall, Add	0.98	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.45	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.47	
For Work In Restricted Working Space, Add	2.94	
For Installation Above 14', Add	1.47	
26 05 33 13-0699 Intermediate Metal Conduit (IMC) 90 Degree Elbows <small>(26 05 33 13-0687)</small>		
See CSI section 26 05 33 13-2198 for conduit field bending.		
26 05 33 13-0700 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	26.11	7.05
For Work In Restricted Working Space, Add	5.27	
For Installation Above 14', Add	2.63	
26 05 33 13-0701 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	32.38	8.16
For Work In Restricted Working Space, Add	6.12	
For Installation Above 14', Add	3.06	
26 05 33 13-0702 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	38.57	9.38
For Work In Restricted Working Space, Add	7.02	
For Installation Above 14', Add	3.51	
26 05 33 13-0703 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	47.58	10.31
For Work In Restricted Working Space, Add	7.73	
For Installation Above 14', Add	3.86	
26 05 33 13-0704 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	69.23	12.87
For Work In Restricted Working Space, Add	9.66	
For Installation Above 14', Add	4.83	
26 05 33 13-0705 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	100.57	17.54
For Work In Restricted Working Space, Add	13.16	
For Installation Above 14', Add	6.58	
26 05 33 13-0706 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	149.58	19.78
For Work In Restricted Working Space, Add	14.84	
For Installation Above 14', Add	7.42	
26 05 33 13-0707 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	180.51	25.76
For Work In Restricted Working Space, Add	19.31	
For Installation Above 14', Add	9.66	
26 05 33 13-0708 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut <small>(26 05 33 13-0687)</small>		
26 05 33 13-0709 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	6.44	2.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.82	
26 05 33 13-0710 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	7.63	0.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.10	
26 05 33 13-0711 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	9.93	3.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.66	
26 05 33 13-0712 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	12.14	4.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-0713 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	13.68	4.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.50	
26 05 33 13-0714 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	17.77	5.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.34	
26 05 33 13-0715 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	33.66	9.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.00	
26 05 33 13-0716 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	40.91	12.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.52	
26 05 33 13-0717 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	54.40	15.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.34	
26 05 33 13-0718 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	64.39	17.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0719 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings <small>(26 05 33 13-0687)</small>		
Note: 3-Piece coupling.		
26 05 33 13-0720 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	21.56	7.46
For Work In Restricted Working Space, Add	5.61	
For Installation Above 14', Add	2.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.61	
26 05 33 13-0721 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	24.56	8.35
For Work In Restricted Working Space, Add	6.26	
For Installation Above 14', Add	3.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.26	
26 05 33 13-0722 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	30.37	9.29
For Work In Restricted Working Space, Add	6.97	
For Installation Above 14', Add	3.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.97	
26 05 33 13-0723 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	38.56	10.17
For Work In Restricted Working Space, Add	7.63	
For Installation Above 14', Add	3.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.63	
26 05 33 13-0724 EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	44.30	11.11
For Work In Restricted Working Space, Add	8.35	
For Installation Above 14', Add	4.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.35	
26 05 33 13-0725 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	63.08	12.04
For Work In Restricted Working Space, Add	9.04	
For Installation Above 14', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0726 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	107.82	14.93
For Work In Restricted Working Space, Add	11.20	
For Installation Above 14', Add	5.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.20	
26 05 33 13-0727 EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	154.16	18.67
For Work In Restricted Working Space, Add	14.00	
For Installation Above 14', Add	7.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.00	
26 05 33 13-0728 EA 3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	228.71	22.39
For Work In Restricted Working Space, Add	16.80	
For Installation Above 14', Add	8.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.80	
26 05 33 13-0729 EA 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	265.07	24.26
For Work In Restricted Working Space, Add	18.20	
For Installation Above 14', Add	9.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.20	
26 05 33 13-0730 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0687)</small>		
26 05 33 13-0731 EA 1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	12.46	3.74
For Work In Restricted Working Space, Add	2.80	
For Installation Above 14', Add	1.40	
26 05 33 13-0732 EA 3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	13.96	4.11
For Work In Restricted Working Space, Add	3.08	
For Installation Above 14', Add	1.54	
26 05 33 13-0733 EA 1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	16.08	4.67
For Work In Restricted Working Space, Add	3.50	
For Installation Above 14', Add	1.75	
26 05 33 13-0734 EA 1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	18.42	5.04
For Work In Restricted Working Space, Add	3.78	
For Installation Above 14', Add	1.89	
26 05 33 13-0735 EA 1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	22.11	5.60
For Work In Restricted Working Space, Add	4.20	
For Installation Above 14', Add	2.10	
26 05 33 13-0736 EA 2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	27.38	6.16
For Work In Restricted Working Space, Add	4.62	
For Installation Above 14', Add	2.31	
26 05 33 13-0737 EA 2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	37.88	7.46
For Work In Restricted Working Space, Add	5.60	
For Installation Above 14', Add	2.80	
26 05 33 13-0738 EA 3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	46.77	9.33
For Work In Restricted Working Space, Add	7.00	
For Installation Above 14', Add	3.50	
26 05 33 13-0739 EA 3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	56.20	11.20
For Work In Restricted Working Space, Add	8.40	
For Installation Above 14', Add	4.20	
26 05 33 13-0740 EA 4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	63.81	12.13
For Work In Restricted Working Space, Add	9.10	
For Installation Above 14', Add	4.55	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0741		Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs (26 05 33 13-0687)		
26 05 33	13-0742	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	10.64	3.74
			<i>For Work In Restricted Working Space, Add</i>	2.80	
			<i>For Installation Above 14', Add</i>	1.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.80	
26 05 33	13-0743	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	13.63	4.67
			<i>For Work In Restricted Working Space, Add</i>	3.50	
			<i>For Installation Above 14', Add</i>	1.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33	13-0744	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	16.89	5.60
			<i>For Work In Restricted Working Space, Add</i>	4.20	
			<i>For Installation Above 14', Add</i>	2.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.20	
26 05 33	13-0745	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	20.43	6.54
			<i>For Work In Restricted Working Space, Add</i>	4.90	
			<i>For Installation Above 14', Add</i>	2.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.90	
26 05 33	13-0746	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	23.94	7.46
			<i>For Work In Restricted Working Space, Add</i>	5.60	
			<i>For Installation Above 14', Add</i>	2.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.60	
26 05 33	13-0747	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	28.61	8.40
			<i>For Work In Restricted Working Space, Add</i>	6.30	
			<i>For Installation Above 14', Add</i>	3.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.30	
26 05 33	13-0748	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	36.09	9.33
			<i>For Work In Restricted Working Space, Add</i>	7.00	
			<i>For Installation Above 14', Add</i>	3.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.00	
26 05 33	13-0749	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	42.85	10.26
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Installation Above 14', Add</i>	3.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 33	13-0750	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	52.60	12.13
			<i>For Work In Restricted Working Space, Add</i>	9.10	
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.10	
26 05 33	13-0751	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	60.77	13.06
			<i>For Work In Restricted Working Space, Add</i>	9.80	
			<i>For Installation Above 14', Add</i>	4.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.80	
26 05 33	13-0752		Intermediate Metal Conduit (IMC) Expansion Fittings (26 05 33 13-0687)		
26 05 33	13-0753	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	75.06	7.46
			<i>For Work In Restricted Working Space, Add</i>	5.60	
			<i>For Installation Above 14', Add</i>	2.80	
26 05 33	13-0754	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	83.03	8.40
			<i>For Work In Restricted Working Space, Add</i>	6.30	
			<i>For Installation Above 14', Add</i>	3.15	
26 05 33	13-0755	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	92.28	9.33
			<i>For Work In Restricted Working Space, Add</i>	7.00	
			<i>For Installation Above 14', Add</i>	3.50	
26 05 33	13-0756	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	111.67	10.26
			<i>For Work In Restricted Working Space, Add</i>	7.70	
			<i>For Installation Above 14', Add</i>	3.85	
26 05 33	13-0757	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	137.08	11.20
			<i>For Work In Restricted Working Space, Add</i>	8.40	
			<i>For Installation Above 14', Add</i>	4.20	
26 05 33	13-0758	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	180.75	12.13
			<i>For Work In Restricted Working Space, Add</i>	9.10	
			<i>For Installation Above 14', Add</i>	4.55	
26 05 33	13-0759	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	273.61	14.93
			<i>For Work In Restricted Working Space, Add</i>	11.20	
			<i>For Installation Above 14', Add</i>	5.60	
26 05 33	13-0760	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	328.79	18.67
			<i>For Work In Restricted Working Space, Add</i>	14.00	
			<i>For Installation Above 14', Add</i>	7.00	
26 05 33	13-0761	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	459.05	22.39
			<i>For Work In Restricted Working Space, Add</i>	16.80	
			<i>For Installation Above 14', Add</i>	8.40	
26 05 33	13-0762	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	531.23	24.26
			<i>For Work In Restricted Working Space, Add</i>	18.20	
			<i>For Installation Above 14', Add</i>	9.10	
26 05 33	13-0763		Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0687)		
26 05 33	13-0764	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	45.03	11.67
			<i>For Work In Restricted Working Space, Add</i>	7.00	
			<i>For Installation Above 14', Add</i>	3.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.00	
26 05 33	13-0765	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	53.48	14.00
			<i>For Work In Restricted Working Space, Add</i>	8.40	
			<i>For Installation Above 14', Add</i>	4.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0766	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.42 9.80 4.90 9.80	16.33
26 05 33	13-0767	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.10 11.20 5.60 11.20	18.67
26 05 33	13-0768	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.88 12.60 6.30 12.60	21.00
26 05 33	13-0769	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.24 14.00 7.00 14.00	23.33
26 05 33	13-0770	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.53 16.80 8.40 16.80	28.00
26 05 33	13-0771	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	212.57 19.60 9.80 19.60	32.67
26 05 33	13-0772	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	499.33 22.40 11.20 22.40	37.33
26 05 33	13-0773	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	575.48 25.20 12.60 25.20	42.00
26 05 33 13-0774 Intermediate Metal Conduit (IMC) Threaded Couplings <small>(26 05 33 13-0687)</small>					
26 05 33	13-0775	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.33 1.68 0.84	2.24
26 05 33	13-0776	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.83 2.38 1.19	3.17
26 05 33	13-0777	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.60 3.08 1.54	4.11
26 05 33	13-0778	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	13.34 3.50 1.75	4.67
26 05 33	13-0779	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	16.10 4.20 2.10	5.60
26 05 33	13-0780	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.65 4.76 2.38	6.35
26 05 33	13-0781	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	23.89 5.32 2.66	7.09
26 05 33	13-0782	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	28.48 6.02 3.01	8.02
26 05 33	13-0783	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	33.20 6.58 3.29	8.78
26 05 33	13-0784	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	34.68 7.00 3.50	9.33
26 05 33 13-0785 Intermediate Metal Conduit (IMC) Reducer Bushings <small>(26 05 33 13-0687)</small>					
26 05 33	13-0786	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.16 0.70 0.35	0.93
26 05 33	13-0787	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.63 0.70 0.35	0.93
26 05 33	13-0788		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0041)</small> Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33	13-0789		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0788)</small> Note: Includes field bending for conduit up to 1".		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0790	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	8.95	1.31
		<i>For >250 To 500, Deduct</i>	-0.37	
		<i>For >500 To 1,000, Deduct</i>	-0.59	
		<i>For >1,000, Deduct</i>	-0.81	
		<i>For Installation Above 14', Add</i>	0.49	
		<i>For Work In Restricted Working Space, Add</i>	0.98	
26 05 33 13-0791	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	10.33	1.50
		<i>For >250 To 500, Deduct</i>	-0.42	
		<i>For >500 To 1,000, Deduct</i>	-0.68	
		<i>For >1,000, Deduct</i>	-0.94	
		<i>For Installation Above 14', Add</i>	0.56	
		<i>For Work In Restricted Working Space, Add</i>	1.12	
26 05 33 13-0792	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	13.20	1.87
		<i>For >250 To 500, Deduct</i>	-0.54	
		<i>For >500 To 1,000, Deduct</i>	-0.87	
		<i>For >1,000, Deduct</i>	-1.20	
		<i>For Installation Above 14', Add</i>	0.70	
		<i>For Work In Restricted Working Space, Add</i>	1.40	
26 05 33 13-0793	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	16.41	2.24
		<i>For >250 To 500, Deduct</i>	-0.68	
		<i>For >500 To 1,000, Deduct</i>	-1.09	
		<i>For >1,000, Deduct</i>	-1.50	
		<i>For Installation Above 14', Add</i>	0.84	
		<i>For Work In Restricted Working Space, Add</i>	1.68	
26 05 33 13-0794	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	20.15	2.80
		<i>For >250 To 500, Deduct</i>	-0.83	
		<i>For >500 To 1,000, Deduct</i>	-1.34	
		<i>For >1,000, Deduct</i>	-1.84	
		<i>For Installation Above 14', Add</i>	1.05	
		<i>For Work In Restricted Working Space, Add</i>	2.10	
26 05 33 13-0795	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	25.53	3.36
		<i>For >250 To 500, Deduct</i>	-1.07	
		<i>For >500 To 1,000, Deduct</i>	-1.70	
		<i>For >1,000, Deduct</i>	-2.34	
		<i>For Installation Above 14', Add</i>	1.26	
		<i>For Work In Restricted Working Space, Add</i>	2.52	
26 05 33 13-0796	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	35.78	3.92
		<i>For >250 To 500, Deduct</i>	-1.54	
		<i>For >500 To 1,000, Deduct</i>	-2.44	
		<i>For >1,000, Deduct</i>	-3.33	
		<i>For Installation Above 14', Add</i>	1.47	
		<i>For Work In Restricted Working Space, Add</i>	2.94	
26 05 33 13-0797	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	44.88	4.85
		<i>For >250 To 500, Deduct</i>	-1.94	
		<i>For >500 To 1,000, Deduct</i>	-3.06	
		<i>For >1,000, Deduct</i>	-4.18	
		<i>For Installation Above 14', Add</i>	1.82	
		<i>For Work In Restricted Working Space, Add</i>	3.64	
26 05 33 13-0798	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	55.00	5.97
		<i>For >250 To 500, Deduct</i>	-2.38	
		<i>For >500 To 1,000, Deduct</i>	-3.75	
		<i>For >1,000, Deduct</i>	-5.13	
		<i>For Installation Above 14', Add</i>	2.24	
		<i>For Work In Restricted Working Space, Add</i>	4.48	
26 05 33 13-0799	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	64.97	7.09
		<i>For >250 To 500, Deduct</i>	-2.81	
		<i>For >500 To 1,000, Deduct</i>	-4.43	
		<i>For >1,000, Deduct</i>	-6.05	
		<i>For Installation Above 14', Add</i>	2.66	
		<i>For Work In Restricted Working Space, Add</i>	5.32	
26 05 33 13-0800	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	104.71	8.40
		<i>For >250 To 500, Deduct</i>	-4.71	
		<i>For >500 To 1,000, Deduct</i>	-7.33	
		<i>For >1,000, Deduct</i>	-9.95	
		<i>For Installation Above 14', Add</i>	3.15	
		<i>For Work In Restricted Working Space, Add</i>	6.30	
26 05 33 13-0801	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	142.71	11.20
		<i>For >250 To 500, Deduct</i>	-6.44	
		<i>For >500 To 1,000, Deduct</i>	-10.00	
		<i>For >1,000, Deduct</i>	-13.57	
		<i>For Installation Above 14', Add</i>	4.20	
		<i>For Work In Restricted Working Space, Add</i>	8.40	

26 05 33 13-0802 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings

26 05 33 13-0803	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	9.64	1.82
		<i>For Installation Above 14', Add</i>	0.55	
		<i>For Work In Restricted Working Space, Add</i>	1.09	
26 05 33 13-0804	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	11.14	2.43
		<i>For Installation Above 14', Add</i>	0.73	
		<i>For Work In Restricted Working Space, Add</i>	1.46	
26 05 33 13-0805	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	14.23	3.03
		<i>For Installation Above 14', Add</i>	0.91	
		<i>For Work In Restricted Working Space, Add</i>	1.82	
26 05 33 13-0806	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	16.20	3.33
		<i>For Installation Above 14', Add</i>	1.00	
		<i>For Work In Restricted Working Space, Add</i>	2.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0807 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	19.20	3.95
For Installation Above 14', Add	1.18	
For Work In Restricted Working Space, Add	2.36	
26 05 33 13-0808 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	25.67	4.55
For Installation Above 14', Add	1.37	
For Work In Restricted Working Space, Add	2.73	
26 05 33 13-0809 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	51.94	5.46
For Installation Above 14', Add	1.64	
For Work In Restricted Working Space, Add	3.28	
26 05 33 13-0810 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	64.97	7.58
For Installation Above 14', Add	2.27	
For Work In Restricted Working Space, Add	4.55	
26 05 33 13-0811 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	81.50	8.80
For Installation Above 14', Add	2.64	
For Work In Restricted Working Space, Add	5.28	
26 05 33 13-0812 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	98.98	12.13
For Installation Above 14', Add	3.64	
For Work In Restricted Working Space, Add	7.28	
26 05 33 13-0813 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	276.84	16.68
For Installation Above 14', Add	5.01	
For Work In Restricted Working Space, Add	10.01	
26 05 33 13-0814 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	290.79	9.40
For Installation Above 14', Add	2.82	
For Work In Restricted Working Space, Add	5.64	
26 05 33 13-0815 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows (26 05 33 13-0788) Note: 90, 45, or 30 degree.		
26 05 33 13-0816 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	36.20	7.58
For Installation Above 14', Add	2.27	
For Work In Restricted Working Space, Add	4.55	
26 05 33 13-0817 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	40.65	9.40
For Installation Above 14', Add	2.82	
For Work In Restricted Working Space, Add	5.64	
26 05 33 13-0818 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	48.10	11.53
For Installation Above 14', Add	3.46	
For Work In Restricted Working Space, Add	6.92	
26 05 33 13-0819 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	57.48	13.35
For Installation Above 14', Add	4.00	
For Work In Restricted Working Space, Add	8.01	
26 05 33 13-0820 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	68.16	15.16
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.10	
26 05 33 13-0821 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	86.16	16.68
For Installation Above 14', Add	5.00	
For Work In Restricted Working Space, Add	10.01	
26 05 33 13-0822 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	141.33	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
26 05 33 13-0823 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	215.98	28.51
For Installation Above 14', Add	8.55	
For Work In Restricted Working Space, Add	17.11	
26 05 33 13-0824 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	272.88	32.15
For Installation Above 14', Add	9.65	
For Work In Restricted Working Space, Add	19.29	
26 05 33 13-0825 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	304.20	41.85
For Installation Above 14', Add	12.56	
For Work In Restricted Working Space, Add	25.11	
26 05 33 13-0826 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	667.83	68.24
For Installation Above 14', Add	20.47	
For Work In Restricted Working Space, Add	40.95	
26 05 33 13-0827 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	1,059.12	102.52
For Installation Above 14', Add	30.76	
For Work In Restricted Working Space, Add	61.51	
26 05 33 13-0828 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows (26 05 33 13-0788)		
26 05 33 13-0829 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	97.70	11.53
For Installation Above 14', Add	3.46	
For Work In Restricted Working Space, Add	6.92	
26 05 33 13-0830 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	109.26	13.35
For Installation Above 14', Add	4.00	
For Work In Restricted Working Space, Add	8.01	
26 05 33 13-0831 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	124.85	15.16
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.10	
26 05 33 13-0832 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	151.57	16.68
For Installation Above 14', Add	5.00	
For Work In Restricted Working Space, Add	10.01	
26 05 33 13-0833 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	215.37	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
26 05 33 13-0834 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows (26 05 33 13-0788)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0835	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	111.11 3.46 6.92	11.53
26 05 33 13-0836	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	131.42 4.00 8.01	13.35
26 05 33 13-0837	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	140.74 4.55 9.10	15.16
26 05 33 13-0838	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	186.22 5.00 10.01	16.68
26 05 33 13-0839	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	248.78 6.28 12.56	20.93
26 05 33 13-0840	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	315.07 8.55 17.11	28.51

26 05 33 13-0841 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows (26 05 33 13-0788)

26 05 33 13-0842	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	127.15 3.46 6.92	11.53
26 05 33 13-0843	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	142.96 4.00 8.01	13.35
26 05 33 13-0844	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	161.13 4.55 9.10	15.16
26 05 33 13-0845	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	197.72 5.00 10.01	16.68
26 05 33 13-0846	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	287.17 6.28 12.56	20.93
26 05 33 13-0847	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	360.15 8.55 17.11	28.51
26 05 33 13-0848	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	461.66 9.65 19.29	32.15
26 05 33 13-0849	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	509.86 12.56 25.11	41.85

26 05 33 13-0850 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows (26 05 33 13-0788)

26 05 33 13-0851	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	154.85 3.46 6.92	11.53
26 05 33 13-0852	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	170.05 4.00 8.01	13.35
26 05 33 13-0853	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	191.89 4.55 9.10	15.16
26 05 33 13-0854	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	242.01 5.00 10.01	16.68
26 05 33 13-0855	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	355.89 6.28 12.56	20.93
26 05 33 13-0856	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	436.52 8.55 17.11	28.51
26 05 33 13-0857	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	508.29 9.65 19.29	32.15
26 05 33 13-0858	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	595.47 12.56 25.11	41.85

26 05 33 13-0859 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows (26 05 33 13-0788)

26 05 33 13-0860	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	176.41 3.46 6.92	11.53
26 05 33 13-0861	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	195.27 4.00 8.01	13.35
26 05 33 13-0862	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	222.17 4.55 9.10	15.16



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0863	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	280.58 5.00 10.01	16.68
26 05 33 13-0864	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	393.38 6.28 12.56	20.93
26 05 33 13-0865	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	497.61 8.55 17.11	28.51
26 05 33 13-0866	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	621.67 9.65 19.29	32.15
26 05 33 13-0867	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	674.05 12.56 25.11	41.85
26 05 33 13-0868	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,126.59 20.47 40.95	68.24
26 05 33 13-0869 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows <small>(26 05 33 13-0788)</small>				
26 05 33 13-0870	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	204.59 3.46 6.92	11.53
26 05 33 13-0871	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	225.75 4.00 8.01	13.35
26 05 33 13-0872	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	255.36 4.55 9.10	15.16
26 05 33 13-0873	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	323.34 5.00 10.01	16.68
26 05 33 13-0874	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	455.85 6.28 12.56	20.93
26 05 33 13-0875	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	575.43 8.55 17.11	28.51
26 05 33 13-0876	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	678.48 9.65 19.29	32.15
26 05 33 13-0877	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	775.50 12.56 25.11	41.85
26 05 33 13-0878	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,197.69 20.47 40.95	68.24
26 05 33 13-0879	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,620.90 30.76 61.51	102.52
26 05 33 13-0880 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows <small>(26 05 33 13-0788)</small>				
26 05 33 13-0881	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	243.84 3.46 6.92	11.53
26 05 33 13-0882	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	252.91 4.00 8.01	13.35
26 05 33 13-0883	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	299.78 4.55 9.10	15.16
26 05 33 13-0884	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	382.87 5.00 10.01	16.68
26 05 33 13-0885	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	540.10 6.28 12.56	20.93
26 05 33 13-0886	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	680.36 8.55 17.11	28.51
26 05 33 13-0887	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	836.42 9.65 19.29	32.15
26 05 33 13-0888	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	972.85 12.56 25.11	41.85
26 05 33 13-0889	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,429.60 20.47 40.95	68.24
26 05 33 13-0890	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,727.36 30.76 61.51	102.52

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26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0891 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows <small>(26 05 33 13-0788)</small>			
26 05 33 13-0892	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	253.29	11.53
	<i>For Installation Above 14', Add</i>	3.46	
	<i>For Work In Restricted Working Space, Add</i>	6.92	
26 05 33 13-0893	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	298.86	13.35
	<i>For Installation Above 14', Add</i>	4.00	
	<i>For Work In Restricted Working Space, Add</i>	8.01	
26 05 33 13-0894	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	338.20	15.16
	<i>For Installation Above 14', Add</i>	4.55	
	<i>For Work In Restricted Working Space, Add</i>	9.10	
26 05 33 13-0895	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	400.78	16.68
	<i>For Installation Above 14', Add</i>	5.00	
	<i>For Work In Restricted Working Space, Add</i>	10.01	
26 05 33 13-0896	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	561.14	20.93
	<i>For Installation Above 14', Add</i>	6.28	
	<i>For Work In Restricted Working Space, Add</i>	12.56	
26 05 33 13-0897	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	712.63	28.51
	<i>For Installation Above 14', Add</i>	8.55	
	<i>For Work In Restricted Working Space, Add</i>	17.11	
26 05 33 13-0898	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	922.44	32.15
	<i>For Installation Above 14', Add</i>	9.65	
	<i>For Work In Restricted Working Space, Add</i>	19.29	
26 05 33 13-0899	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,017.61	41.85
	<i>For Installation Above 14', Add</i>	12.56	
	<i>For Work In Restricted Working Space, Add</i>	25.11	
26 05 33 13-0900	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,491.90	68.24
	<i>For Installation Above 14', Add</i>	20.47	
	<i>For Work In Restricted Working Space, Add</i>	40.95	
26 05 33 13-0901	EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,781.45	102.52
	<i>For Installation Above 14', Add</i>	30.76	
	<i>For Work In Restricted Working Space, Add</i>	61.51	
26 05 33 13-0902 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fittings <small>(26 05 33 13-0788)</small>			
26 05 33 13-0903	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	85.92	7.58
	<i>For Installation Above 14', Add</i>	2.27	
	<i>For Work In Restricted Working Space, Add</i>	4.55	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-0904	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	103.45	10.01
	<i>For Installation Above 14', Add</i>	3.00	
	<i>For Work In Restricted Working Space, Add</i>	6.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.00	
26 05 33 13-0905	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	142.22	11.53
	<i>For Installation Above 14', Add</i>	3.46	
	<i>For Work In Restricted Working Space, Add</i>	6.92	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.92	
26 05 33 13-0906	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	246.72	13.35
	<i>For Installation Above 14', Add</i>	4.00	
	<i>For Work In Restricted Working Space, Add</i>	8.01	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33 13-0907	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	271.40	15.16
	<i>For Installation Above 14', Add</i>	4.55	
	<i>For Work In Restricted Working Space, Add</i>	9.10	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.10	
26 05 33 13-0908	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	348.76	16.68
	<i>For Installation Above 14', Add</i>	5.00	
	<i>For Work In Restricted Working Space, Add</i>	10.01	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33 13-0909	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	1,007.99	20.93
	<i>For Installation Above 14', Add</i>	6.28	
	<i>For Work In Restricted Working Space, Add</i>	12.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-0910	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	1,194.77	28.51
	<i>For Installation Above 14', Add</i>	8.55	
	<i>For Work In Restricted Working Space, Add</i>	17.11	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.11	
26 05 33 13-0911	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealright Fitting.....	1,578.13	41.85
	<i>For Installation Above 14', Add</i>	12.56	
	<i>For Work In Restricted Working Space, Add</i>	25.11	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.11	
26 05 33 13-0912 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealright Fittings <small>(26 05 33 13-0788)</small>			
26 05 33 13-0913	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealright Fitting.....	81.62	7.58
	<i>For Installation Above 14', Add</i>	2.27	
	<i>For Work In Restricted Working Space, Add</i>	4.55	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-0914	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealright Fitting.....	98.59	10.01
	<i>For Installation Above 14', Add</i>	3.00	
	<i>For Work In Restricted Working Space, Add</i>	6.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0915 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	142.22	11.53
For Installation Above 14', Add	3.46	
For Work In Restricted Working Space, Add	6.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 05 33 13-0916 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	244.21	13.35
For Installation Above 14', Add	4.00	
For Work In Restricted Working Space, Add	8.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.01	
26 05 33 13-0917 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	261.31	15.16
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.10	
26 05 33 13-0918 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	348.88	16.68
For Installation Above 14', Add	5.00	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-0919 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	964.96	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.56	
26 05 33 13-0920 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,163.38	28.51
For Installation Above 14', Add	8.55	
For Work In Restricted Working Space, Add	17.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.11	
26 05 33 13-0921 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,578.06	41.85
For Installation Above 14', Add	12.56	
For Work In Restricted Working Space, Add	25.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.11	
26 05 33 13-0922 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings (26 05 33 13-0788)		
26 05 33 13-0923 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	72.09	7.58
For Installation Above 14', Add	2.27	
For Work In Restricted Working Space, Add	4.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.55	
26 05 33 13-0924 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	84.13	10.01
For Installation Above 14', Add	3.00	
For Work In Restricted Working Space, Add	6.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.00	
26 05 33 13-0925 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	99.97	11.53
For Installation Above 14', Add	3.46	
For Work In Restricted Working Space, Add	6.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 05 33 13-0926 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	149.13	13.35
For Installation Above 14', Add	4.00	
For Work In Restricted Working Space, Add	8.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.01	
26 05 33 13-0927 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	175.20	15.16
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.10	
26 05 33 13-0928 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	286.65	16.68
For Installation Above 14', Add	5.00	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-0929 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	845.12	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.56	
26 05 33 13-0930 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	939.54	28.51
For Installation Above 14', Add	8.55	
For Work In Restricted Working Space, Add	17.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.11	
26 05 33 13-0931 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	1,186.95	41.85
For Installation Above 14', Add	12.56	
For Work In Restricted Working Space, Add	25.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.11	
26 05 33 13-0932 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings (26 05 33 13-0788)		
26 05 33 13-0933 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	135.80	7.58
For Installation Above 14', Add	2.27	
For Work In Restricted Working Space, Add	4.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.55	
26 05 33 13-0934 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	208.03	10.01
For Installation Above 14', Add	3.00	
For Work In Restricted Working Space, Add	6.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.00	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0935 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	264.06	11.53
For Installation Above 14', Add	3.46	
For Work In Restricted Working Space, Add	6.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 05 33 13-0936 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	304.69	13.35
For Installation Above 14', Add	4.00	
For Work In Restricted Working Space, Add	8.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.01	
26 05 33 13-0937 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	346.02	15.16
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.10	
26 05 33 13-0938 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	463.11	16.68
For Installation Above 14', Add	5.00	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-0939 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,531.83	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.56	
26 05 33 13-0940 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,778.99	28.51
For Installation Above 14', Add	8.55	
For Work In Restricted Working Space, Add	17.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.11	
26 05 33 13-0941 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	2,171.24	41.85
For Installation Above 14', Add	12.56	
For Work In Restricted Working Space, Add	25.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.11	
26 05 33 13-0942 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings (26 05 33 13-0788)		
26 05 33 13-0943 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	152.72	7.58
For Installation Above 14', Add	2.27	
For Work In Restricted Working Space, Add	4.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.55	
26 05 33 13-0944 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	224.00	10.01
For Installation Above 14', Add	3.00	
For Work In Restricted Working Space, Add	6.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.00	
26 05 33 13-0945 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	267.09	11.53
For Installation Above 14', Add	3.46	
For Work In Restricted Working Space, Add	6.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.92	
26 05 33 13-0946 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	309.70	13.35
For Installation Above 14', Add	4.00	
For Work In Restricted Working Space, Add	8.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.01	
26 05 33 13-0947 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	359.75	15.16
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.10	
26 05 33 13-0948 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	583.78	16.68
For Installation Above 14', Add	5.00	
For Work In Restricted Working Space, Add	10.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.01	
26 05 33 13-0949 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	1,713.90	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.56	
26 05 33 13-0950 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,414.64	28.51
For Installation Above 14', Add	8.55	
For Work In Restricted Working Space, Add	17.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.11	
26 05 33 13-0951 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,493.03	41.85
For Installation Above 14', Add	12.56	
For Work In Restricted Working Space, Add	25.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.11	
26 05 33 13-0952 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings (26 05 33 13-0788)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0953	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	117.17	7.58
			<i>For Installation Above 14', Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33	13-0954	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	146.80	10.01
			<i>For Installation Above 14', Add</i>	3.00	
			<i>For Work In Restricted Working Space, Add</i>	6.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.00	
26 05 33	13-0955	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	176.99	11.53
			<i>For Installation Above 14', Add</i>	3.46	
			<i>For Work In Restricted Working Space, Add</i>	6.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.92	
26 05 33	13-0956	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	194.76	13.35
			<i>For Installation Above 14', Add</i>	4.00	
			<i>For Work In Restricted Working Space, Add</i>	8.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.01	
26 05 33	13-0957	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	268.87	15.16
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.10	
26 05 33	13-0958	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	391.18	16.68
			<i>For Installation Above 14', Add</i>	5.00	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33	13-0959	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	1,381.03	20.93
			<i>For Installation Above 14', Add</i>	6.28	
			<i>For Work In Restricted Working Space, Add</i>	12.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33	13-0960	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	1,543.19	28.51
			<i>For Installation Above 14', Add</i>	8.55	
			<i>For Work In Restricted Working Space, Add</i>	17.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.11	
26 05 33	13-0961	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	1,815.22	41.85
			<i>For Installation Above 14', Add</i>	12.56	
			<i>For Work In Restricted Working Space, Add</i>	25.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.11	
26 05 33	13-0962		Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0788)</small>		
			Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33	13-0963	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	88.04	14.56
			<i>For Installation Above 14', Add</i>	4.37	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33	13-0964	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	98.70	16.68
			<i>For Installation Above 14', Add</i>	5.00	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33	13-0965	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	125.65	19.11
			<i>For Installation Above 14', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	11.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 05 33	13-0966	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	171.19	22.14
			<i>For Installation Above 14', Add</i>	6.64	
			<i>For Work In Restricted Working Space, Add</i>	13.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.28	
26 05 33	13-0967	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	203.51	24.26
			<i>For Installation Above 14', Add</i>	7.28	
			<i>For Work In Restricted Working Space, Add</i>	14.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33	13-0968	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	286.71	29.12
			<i>For Installation Above 14', Add</i>	8.73	
			<i>For Work In Restricted Working Space, Add</i>	17.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.47	
26 05 33	13-0969	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	501.19	40.94
			<i>For Installation Above 14', Add</i>	12.28	
			<i>For Work In Restricted Working Space, Add</i>	24.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.57	
26 05 33	13-0970	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	636.65	54.60
			<i>For Installation Above 14', Add</i>	16.38	
			<i>For Work In Restricted Working Space, Add</i>	32.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.76	

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 33 13-0971	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	902.82		68.24
		<i>For Installation Above 14', Add</i>	20.47		
		<i>For Work In Restricted Working Space, Add</i>	40.95		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.95		
26 05 33 13-0972	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,025.22		83.11
		<i>For Installation Above 14', Add</i>	24.93		
		<i>For Work In Restricted Working Space, Add</i>	49.86		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.86		
26 05 33 13-0973 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0788)</small>					
Note: Suitable for use in hazardous locations. Class I, Div 2.					
26 05 33 13-0974	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	114.82		19.11
		<i>For Installation Above 14', Add</i>	5.73		
		<i>For Work In Restricted Working Space, Add</i>	11.46		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.46		
26 05 33 13-0975	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	132.17		21.23
		<i>For Installation Above 14', Add</i>	6.37		
		<i>For Work In Restricted Working Space, Add</i>	12.74		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.74		
26 05 33 13-0976	EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	167.54		23.36
		<i>For Installation Above 14', Add</i>	7.01		
		<i>For Work In Restricted Working Space, Add</i>	14.01		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.01		
26 05 33 13-0977	EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	236.47		26.69
		<i>For Installation Above 14', Add</i>	8.01		
		<i>For Work In Restricted Working Space, Add</i>	16.01		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.01		
26 05 33 13-0978	EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	285.18		29.12
		<i>For Installation Above 14', Add</i>	8.73		
		<i>For Work In Restricted Working Space, Add</i>	17.47		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.47		
26 05 33 13-0979	EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	397.57		35.79
		<i>For Installation Above 14', Add</i>	10.74		
		<i>For Work In Restricted Working Space, Add</i>	21.47		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.47		
26 05 33 13-0980 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0788)</small>					
Note: Suitable for use in hazardous locations. Class I, Div 2.					
26 05 33 13-0981	EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	101.38		16.68
		<i>For Installation Above 14', Add</i>	5.01		
		<i>For Work In Restricted Working Space, Add</i>	10.01		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01		
26 05 33 13-0982	EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	114.78		19.41
		<i>For Installation Above 14', Add</i>	5.82		
		<i>For Work In Restricted Working Space, Add</i>	11.65		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.65		
26 05 33 13-0983	EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	144.22		21.23
		<i>For Installation Above 14', Add</i>	6.37		
		<i>For Work In Restricted Working Space, Add</i>	12.74		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.74		
26 05 33 13-0984	EA	1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	191.80		24.26
		<i>For Installation Above 14', Add</i>	7.28		
		<i>For Work In Restricted Working Space, Add</i>	14.56		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56		
26 05 33 13-0985	EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	232.29		26.69
		<i>For Installation Above 14', Add</i>	8.01		
		<i>For Work In Restricted Working Space, Add</i>	16.01		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.01		
26 05 33 13-0986	EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	322.28		31.24
		<i>For Installation Above 14', Add</i>	9.37		
		<i>For Work In Restricted Working Space, Add</i>	18.74		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.74		
26 05 33 13-0987	EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	529.85		45.50
		<i>For Installation Above 14', Add</i>	13.65		
		<i>For Work In Restricted Working Space, Add</i>	27.30		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.30		
26 05 33 13-0988	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	703.90		59.15
		<i>For Installation Above 14', Add</i>	17.74		
		<i>For Work In Restricted Working Space, Add</i>	35.48		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.48		
26 05 33 13-0989	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	987.31		72.79
		<i>For Installation Above 14', Add</i>	21.84		
		<i>For Work In Restricted Working Space, Add</i>	43.67		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.67		
26 05 33 13-0990	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,088.48		87.66
		<i>For Installation Above 14', Add</i>	26.30		
		<i>For Work In Restricted Working Space, Add</i>	52.59		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.59		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0991	Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <small>(26 05 33 13-0788)</small>		
26 05 33 13-0992	EA 1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	24.54 0.55 1.09	1.82
26 05 33 13-0993	EA 3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	27.33 0.64 1.28	2.12
26 05 33 13-0994	EA 1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	35.74 0.82 1.64	2.73
26 05 33 13-0995	EA 1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	46.37 1.00 2.00	3.33
26 05 33 13-0996	EA 1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	51.42 1.18 2.36	3.95
26 05 33 13-0997	EA 2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	64.45 1.37 2.73	4.55
26 05 33 13-0998	EA 2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	85.15 1.55 3.09	5.15
26 05 33 13-0999	EA 3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	89.40 2.18 4.37	7.28
26 05 33 13-1000	EA 3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	110.22 2.46 4.91	8.19
26 05 33 13-1001	EA 4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	114.47 3.09 6.19	10.31

26 05 33 13-1002	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies <small>(26 05 33 13-0788)</small>		
26 05 33 13-1003	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.89 4.37 8.74 8.74	14.56
26 05 33 13-1004	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.76 5.00 10.01 10.01	16.68
26 05 33 13-1005	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	133.74 5.73 11.47 11.47	19.11
26 05 33 13-1006	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.97 6.64 13.28 13.28	22.14
26 05 33 13-1007	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	206.67 7.28 14.56 14.56	24.26
26 05 33 13-1008	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	251.11 8.73 17.47 17.47	29.12
26 05 33 13-1009	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	366.45 12.28 24.57 24.57	40.94
26 05 33 13-1010	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	465.09 16.38 32.76 32.76	54.60
26 05 33 13-1011	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,024.32 20.47 40.95 40.95	68.24
26 05 33 13-1012	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,538.60 24.93 49.86 49.86	83.11

26 05 33 13-1013	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies <small>(26 05 33 13-0788)</small>		
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26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1014	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	201.20	14.56
		<i>For Installation Above 14', Add</i>	4.37	
		<i>For Work In Restricted Working Space, Add</i>	8.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-1015	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	214.39	16.68
		<i>For Installation Above 14', Add</i>	5.00	
		<i>For Work In Restricted Working Space, Add</i>	10.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33 13-1016	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	244.69	19.11
		<i>For Installation Above 14', Add</i>	5.73	
		<i>For Work In Restricted Working Space, Add</i>	11.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 05 33 13-1017	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	272.18	22.14
		<i>For Installation Above 14', Add</i>	6.64	
		<i>For Work In Restricted Working Space, Add</i>	13.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.28	
26 05 33 13-1018	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	335.84	24.26
		<i>For Installation Above 14', Add</i>	7.28	
		<i>For Work In Restricted Working Space, Add</i>	14.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33 13-1019	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	373.99	29.12
		<i>For Installation Above 14', Add</i>	8.73	
		<i>For Work In Restricted Working Space, Add</i>	17.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.47	
26 05 33 13-1020	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	526.22	40.94
		<i>For Installation Above 14', Add</i>	12.28	
		<i>For Work In Restricted Working Space, Add</i>	24.57	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.57	
26 05 33 13-1021	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	738.70	54.60
		<i>For Installation Above 14', Add</i>	16.38	
		<i>For Work In Restricted Working Space, Add</i>	32.76	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.76	
26 05 33 13-1022	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,103.78	68.24
		<i>For Installation Above 14', Add</i>	20.47	
		<i>For Work In Restricted Working Space, Add</i>	40.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.95	
26 05 33 13-1023	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	1,642.58	83.11
		<i>For Installation Above 14', Add</i>	24.93	
		<i>For Work In Restricted Working Space, Add</i>	49.86	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.86	

26 05 33 13-1024 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies (26 05 33 13-0788)

26 05 33 13-1025	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	154.36	14.56
		<i>For Installation Above 14', Add</i>	4.37	
		<i>For Work In Restricted Working Space, Add</i>	8.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33 13-1026	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	161.92	16.68
		<i>For Installation Above 14', Add</i>	5.00	
		<i>For Work In Restricted Working Space, Add</i>	10.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33 13-1027	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	186.18	19.11
		<i>For Installation Above 14', Add</i>	5.73	
		<i>For Work In Restricted Working Space, Add</i>	11.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 05 33 13-1028	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	205.82	22.14
		<i>For Installation Above 14', Add</i>	6.64	
		<i>For Work In Restricted Working Space, Add</i>	13.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.28	
26 05 33 13-1029	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	297.20	24.26
		<i>For Installation Above 14', Add</i>	7.28	
		<i>For Work In Restricted Working Space, Add</i>	14.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33 13-1030	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	376.33	29.12
		<i>For Installation Above 14', Add</i>	8.73	
		<i>For Work In Restricted Working Space, Add</i>	17.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.47	
26 05 33 13-1031	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	594.16	40.94
		<i>For Installation Above 14', Add</i>	12.28	
		<i>For Work In Restricted Working Space, Add</i>	24.57	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.57	
26 05 33 13-1032	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	876.93	54.60
		<i>For Installation Above 14', Add</i>	16.38	
		<i>For Work In Restricted Working Space, Add</i>	32.76	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.76	
26 05 33 13-1033	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,103.78	68.24
		<i>For Installation Above 14', Add</i>	20.47	
		<i>For Work In Restricted Working Space, Add</i>	40.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1034		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies <small>(26 05 33 13-0788)</small>		
26 05 33	13-1035	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	214.96	14.56
			<i>For Installation Above 14', Add</i>	4.37	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	
26 05 33	13-1036	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	237.32	16.68
			<i>For Installation Above 14', Add</i>	5.00	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.01	
26 05 33	13-1037	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	297.76	19.11
			<i>For Installation Above 14', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	11.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 05 33	13-1038	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	370.32	22.14
			<i>For Installation Above 14', Add</i>	6.64	
			<i>For Work In Restricted Working Space, Add</i>	13.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.28	
26 05 33	13-1039	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	529.62	24.26
			<i>For Installation Above 14', Add</i>	7.28	
			<i>For Work In Restricted Working Space, Add</i>	14.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56	
26 05 33	13-1040	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	634.65	29.12
			<i>For Installation Above 14', Add</i>	8.73	
			<i>For Work In Restricted Working Space, Add</i>	17.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.47	
26 05 33	13-1041		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings <small>(26 05 33 13-0788)</small>		
26 05 33	13-1042	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	34.44	5.83
			<i>For Installation Above 14', Add</i>	1.75	
			<i>For Work In Restricted Working Space, Add</i>	3.50	
26 05 33	13-1043	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	47.36	7.00
			<i>For Installation Above 14', Add</i>	2.10	
			<i>For Work In Restricted Working Space, Add</i>	4.20	
26 05 33	13-1044	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	59.18	9.33
			<i>For Installation Above 14', Add</i>	2.80	
			<i>For Work In Restricted Working Space, Add</i>	5.60	
26 05 33	13-1045	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	84.13	11.67
			<i>For Installation Above 14', Add</i>	3.50	
			<i>For Work In Restricted Working Space, Add</i>	7.00	
26 05 33	13-1046	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	113.41	14.00
			<i>For Installation Above 14', Add</i>	4.20	
			<i>For Work In Restricted Working Space, Add</i>	8.40	
26 05 33	13-1047	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	213.26	16.33
			<i>For Installation Above 14', Add</i>	4.90	
			<i>For Work In Restricted Working Space, Add</i>	9.80	
26 05 33	13-1048	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	321.65	18.67
			<i>For Installation Above 14', Add</i>	5.60	
			<i>For Work In Restricted Working Space, Add</i>	11.20	
26 05 33	13-1049	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	406.60	21.00
			<i>For Installation Above 14', Add</i>	6.30	
			<i>For Work In Restricted Working Space, Add</i>	12.60	
26 05 33	13-1050	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	576.93	24.50
			<i>For Installation Above 14', Add</i>	7.35	
			<i>For Work In Restricted Working Space, Add</i>	14.70	
26 05 33	13-1051	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	704.55	28.00
			<i>For Installation Above 14', Add</i>	8.40	
			<i>For Work In Restricted Working Space, Add</i>	16.80	
26 05 33	13-1052	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,128.77	44.32
			<i>For Installation Above 14', Add</i>	13.30	
			<i>For Work In Restricted Working Space, Add</i>	26.60	
26 05 33	13-1053	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,526.61	67.66
			<i>For Installation Above 14', Add</i>	20.30	
			<i>For Work In Restricted Working Space, Add</i>	40.59	
26 05 33	13-1054		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows <small>(26 05 33 13-0788)</small>		
26 05 33	13-1055	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	143.66	14.56
			<i>For Installation Above 14', Add</i>	4.37	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
26 05 33	13-1056	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	172.48	16.08
			<i>For Installation Above 14', Add</i>	4.82	
			<i>For Work In Restricted Working Space, Add</i>	9.65	
26 05 33	13-1057	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	187.15	19.11
			<i>For Installation Above 14', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	11.47	
26 05 33	13-1058	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	281.27	22.14
			<i>For Installation Above 14', Add</i>	6.64	
			<i>For Work In Restricted Working Space, Add</i>	13.28	
26 05 33	13-1059	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	382.47	24.26
			<i>For Installation Above 14', Add</i>	7.28	
			<i>For Work In Restricted Working Space, Add</i>	14.56	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1060	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	406.04	29.12
			<i>For Installation Above 14', Add</i>	8.73	
			<i>For Work In Restricted Working Space, Add</i>	17.47	
26 05 33 13-1061	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,024.98	40.34
			<i>For Installation Above 14', Add</i>	12.10	
			<i>For Work In Restricted Working Space, Add</i>	24.20	
26 05 33 13-1062	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,053.72	54.60
			<i>For Installation Above 14', Add</i>	16.38	
			<i>For Work In Restricted Working Space, Add</i>	32.76	
26 05 33 13-1063	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,772.55	68.24
			<i>For Installation Above 14', Add</i>	20.47	
			<i>For Work In Restricted Working Space, Add</i>	40.95	
26 05 33 13-1064	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,818.15	83.11
			<i>For Installation Above 14', Add</i>	24.93	
			<i>For Work In Restricted Working Space, Add</i>	49.87	
26 05 33 13-1065			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows <small>(26 05 33 13-0788)</small>		
26 05 33 13-1066	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	225.19	14.56
			<i>For Installation Above 14', Add</i>	4.37	
			<i>For Work In Restricted Working Space, Add</i>	8.74	
26 05 33 13-1067	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	256.30	16.68
			<i>For Installation Above 14', Add</i>	5.00	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
26 05 33 13-1068	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	537.85	19.11
			<i>For Installation Above 14', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	11.47	
26 05 33 13-1069	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	559.34	22.14
			<i>For Installation Above 14', Add</i>	6.64	
			<i>For Work In Restricted Working Space, Add</i>	13.28	
26 05 33 13-1070	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	778.59	24.26
			<i>For Installation Above 14', Add</i>	7.28	
			<i>For Work In Restricted Working Space, Add</i>	14.56	
26 05 33 13-1071	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	822.91	29.12
			<i>For Installation Above 14', Add</i>	8.73	
			<i>For Work In Restricted Working Space, Add</i>	17.47	
26 05 33 13-1072	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,617.35	40.94
			<i>For Installation Above 14', Add</i>	12.28	
			<i>For Work In Restricted Working Space, Add</i>	24.57	
26 05 33 13-1073	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,675.00	54.60
			<i>For Installation Above 14', Add</i>	16.38	
			<i>For Work In Restricted Working Space, Add</i>	32.76	
26 05 33 13-1074	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,481.25	68.24
			<i>For Installation Above 14', Add</i>	20.47	
			<i>For Work In Restricted Working Space, Add</i>	40.95	
26 05 33 13-1075	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,795.99	83.11
			<i>For Installation Above 14', Add</i>	24.93	
			<i>For Work In Restricted Working Space, Add</i>	49.86	
26 05 33 13-1076			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows <small>(26 05 33 13-0788)</small>		
26 05 33 13-1077	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	81.71	7.58
			<i>For Installation Above 14', Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
26 05 33 13-1078	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	93.75	9.40
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Work In Restricted Working Space, Add</i>	5.64	
26 05 33 13-1079	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	110.91	11.53
			<i>For Installation Above 14', Add</i>	3.46	
			<i>For Work In Restricted Working Space, Add</i>	6.92	
26 05 33 13-1080	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	131.54	13.35
			<i>For Installation Above 14', Add</i>	4.00	
			<i>For Work In Restricted Working Space, Add</i>	8.01	
26 05 33 13-1081			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0788)</small>		
26 05 33 13-1082	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	60.48	7.58
			<i>For Installation Above 14', Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	4.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1083 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	68.26	9.40
For Installation Above 14', Add	2.82	
For Work In Restricted Working Space, Add	5.64	
26 05 33 13-1084 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	98.50	11.53
For Installation Above 14', Add	3.46	
For Work In Restricted Working Space, Add	6.92	
26 05 33 13-1085 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	131.64	13.35
For Installation Above 14', Add	4.00	
For Work In Restricted Working Space, Add	8.01	
26 05 33 13-1086 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	163.05	15.16
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.10	
26 05 33 13-1087 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	246.75	16.68
For Installation Above 14', Add	5.00	
For Work In Restricted Working Space, Add	10.01	
26 05 33 13-1088 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	341.70	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
26 05 33 13-1089 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows (26 05 33 13-0788)		
26 05 33 13-1090 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	81.76	7.58
For Installation Above 14', Add	2.27	
For Work In Restricted Working Space, Add	4.55	
26 05 33 13-1091 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	96.69	9.40
For Installation Above 14', Add	2.82	
For Work In Restricted Working Space, Add	5.64	
26 05 33 13-1092 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	110.94	11.53
For Installation Above 14', Add	3.46	
For Work In Restricted Working Space, Add	6.92	
26 05 33 13-1093 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	131.59	13.35
For Installation Above 14', Add	4.00	
For Work In Restricted Working Space, Add	8.01	
26 05 33 13-1094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows (26 05 33 13-0788)		
26 05 33 13-1095 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	60.55	7.58
For Installation Above 14', Add	2.27	
For Work In Restricted Working Space, Add	4.55	
26 05 33 13-1096 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	68.26	9.40
For Installation Above 14', Add	2.82	
For Work In Restricted Working Space, Add	5.64	
26 05 33 13-1097 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	89.70	11.53
For Installation Above 14', Add	3.46	
For Work In Restricted Working Space, Add	6.92	
26 05 33 13-1098 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	114.55	13.35
For Installation Above 14', Add	4.00	
For Work In Restricted Working Space, Add	8.01	
26 05 33 13-1099 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	135.23	15.16
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.10	
26 05 33 13-1100 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	157.65	16.68
For Installation Above 14', Add	5.00	
For Work In Restricted Working Space, Add	10.01	
26 05 33 13-1101 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	318.98	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
26 05 33 13-1102 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	354.73	28.51
For Installation Above 14', Add	8.55	
For Work In Restricted Working Space, Add	17.11	
26 05 33 13-1103 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	379.38	32.15
For Installation Above 14', Add	9.65	
For Work In Restricted Working Space, Add	19.29	
26 05 33 13-1104 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	462.80	41.85
For Installation Above 14', Add	12.56	
For Work In Restricted Working Space, Add	25.11	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1105			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows <small>(26 05 33 13-0788)</small>		
26 05 33 13-1106	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....129.91	129.91	14.56
			<i>For Installation Above 14', Add</i> 4.37		
			<i>For Work In Restricted Working Space, Add</i> 8.74		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.74		
26 05 33 13-1107	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....138.11	138.11	16.68
			<i>For Installation Above 14', Add</i> 5.00		
			<i>For Work In Restricted Working Space, Add</i> 10.01		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 10.01		
26 05 33 13-1108	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....149.17	149.17	19.11
			<i>For Installation Above 14', Add</i> 5.73		
			<i>For Work In Restricted Working Space, Add</i> 11.47		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 11.47		
26 05 33 13-1109	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....208.78	208.78	22.14
			<i>For Installation Above 14', Add</i> 6.64		
			<i>For Work In Restricted Working Space, Add</i> 13.28		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 13.28		
26 05 33 13-1110	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....275.02	275.02	24.26
			<i>For Installation Above 14', Add</i> 7.28		
			<i>For Work In Restricted Working Space, Add</i> 14.56		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 14.56		
26 05 33 13-1111			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0788)</small>		
26 05 33 13-1112	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....163.57	163.57	14.56
			<i>For Installation Above 14', Add</i> 4.37		
			<i>For Work In Restricted Working Space, Add</i> 8.74		
26 05 33 13-1113	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....173.83	173.83	16.68
			<i>For Installation Above 14', Add</i> 5.00		
			<i>For Work In Restricted Working Space, Add</i> 10.01		
26 05 33 13-1114	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....204.13	204.13	19.11
			<i>For Installation Above 14', Add</i> 5.73		
			<i>For Work In Restricted Working Space, Add</i> 11.47		
26 05 33 13-1115	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....304.18	304.18	22.14
			<i>For Installation Above 14', Add</i> 6.64		
			<i>For Work In Restricted Working Space, Add</i> 13.28		
26 05 33 13-1116	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....522.21	522.21	24.26
			<i>For Installation Above 14', Add</i> 7.28		
			<i>For Work In Restricted Working Space, Add</i> 14.56		
26 05 33 13-1117	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....557.30	557.30	29.12
			<i>For Installation Above 14', Add</i> 8.73		
			<i>For Work In Restricted Working Space, Add</i> 17.47		
26 05 33 13-1118			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0788)</small>		
26 05 33 13-1119	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....182.66	182.66	14.56
			<i>For Installation Above 14', Add</i> 4.37		
			<i>For Work In Restricted Working Space, Add</i> 8.74		
26 05 33 13-1120	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....205.69	205.69	16.68
			<i>For Installation Above 14', Add</i> 5.00		
			<i>For Work In Restricted Working Space, Add</i> 10.01		
26 05 33 13-1121	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....222.31	222.31	19.11
			<i>For Installation Above 14', Add</i> 5.73		
			<i>For Work In Restricted Working Space, Add</i> 11.47		
26 05 33 13-1122	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....322.65	322.65	22.14
			<i>For Installation Above 14', Add</i> 6.64		
			<i>For Work In Restricted Working Space, Add</i> 13.28		
26 05 33 13-1123	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....566.26	566.26	24.26
			<i>For Installation Above 14', Add</i> 7.28		
			<i>For Work In Restricted Working Space, Add</i> 14.56		
26 05 33 13-1124	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....597.74	597.74	29.12
			<i>For Installation Above 14', Add</i> 8.73		
			<i>For Work In Restricted Working Space, Add</i> 17.47		
26 05 33 13-1125			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0788)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1126 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	182.81 4.37 8.74	14.56
26 05 33 13-1127 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	200.05 5.00 10.01	16.68
26 05 33 13-1128 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	239.85 5.73 11.47	19.11
26 05 33 13-1129 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	336.72 6.64 13.28	22.14
26 05 33 13-1130 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	587.26 7.28 14.56	24.26
26 05 33 13-1131 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	623.61 8.73 17.47	29.12
26 05 33 13-1132 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover (26 05 33 13-0788)		
26 05 33 13-1133 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	235.68 4.37 8.74	14.56
26 05 33 13-1134 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	258.83 5.00 10.01	16.68
26 05 33 13-1135 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	278.07 5.73 11.47	19.11
26 05 33 13-1136 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	764.03 6.64 13.28	22.14
26 05 33 13-1137 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes (26 05 33 13-0788) Note: Excludes cover.		
26 05 33 13-1138 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	94.70 4.37 8.74	14.56
26 05 33 13-1139 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	102.49 5.00 10.01	16.68
26 05 33 13-1140 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	113.28 5.73 11.47	19.11
26 05 33 13-1141 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	109.04 4.37 8.74	14.56
26 05 33 13-1142 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	115.03 5.00 10.01	16.68
26 05 33 13-1143 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	130.70 5.73 11.47	19.11
26 05 33 13-1144 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes (26 05 33 13-0788) Note: Excludes cover.		
26 05 33 13-1145 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	101.48 4.37 8.74	14.56
26 05 33 13-1146 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	110.12 5.00 10.01	16.68
26 05 33 13-1147 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	118.55 5.73 11.47	19.11
26 05 33 13-1148 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	118.73 4.37 8.74	14.56
26 05 33 13-1149 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	127.54 5.00 10.01	16.68

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1150	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	143.58	19.11
			<i>For Installation Above 14', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	11.47	
26 05 33 13-1151			Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers <small>(26 05 33 13-0788)</small>		
26 05 33 13-1152	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover.....	44.22	1.82
			<i>For Installation Above 14', Add</i>	0.55	
			<i>For Work In Restricted Working Space, Add</i>	1.09	
26 05 33 13-1153	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	61.01	2.12
			<i>For Installation Above 14', Add</i>	0.64	
			<i>For Work In Restricted Working Space, Add</i>	1.28	
26 05 33 13-1154	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	57.29	2.12
			<i>For Installation Above 14', Add</i>	0.64	
			<i>For Work In Restricted Working Space, Add</i>	1.28	
26 05 33 13-1155	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	50.34	2.12
			<i>For Installation Above 14', Add</i>	0.64	
			<i>For Work In Restricted Working Space, Add</i>	1.28	
26 05 33 13-1156	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover.....	263.64	3.03
			<i>For Installation Above 14', Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	1.82	
26 05 33 13-1157	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover.....	233.51	3.03
			<i>For Installation Above 14', Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	1.82	
26 05 33 13-1158			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies <small>(26 05 33 13-0788)</small>		
			Note: Includes covers.		
26 05 33 13-1159	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	235.96	19.11
			<i>For Installation Above 14', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	11.47	
26 05 33 13-1160	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	263.36	22.14
			<i>For Installation Above 14', Add</i>	6.64	
			<i>For Work In Restricted Working Space, Add</i>	13.28	
26 05 33 13-1161	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	379.26	24.26
			<i>For Installation Above 14', Add</i>	7.28	
			<i>For Work In Restricted Working Space, Add</i>	14.56	
26 05 33 13-1162	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	451.41	29.12
			<i>For Installation Above 14', Add</i>	8.73	
			<i>For Work In Restricted Working Space, Add</i>	17.47	
26 05 33 13-1163	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	654.90	40.94
			<i>For Installation Above 14', Add</i>	12.28	
			<i>For Work In Restricted Working Space, Add</i>	24.57	
26 05 33 13-1164	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	819.10	54.60
			<i>For Installation Above 14', Add</i>	16.38	
			<i>For Work In Restricted Working Space, Add</i>	32.76	
26 05 33 13-1165	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,229.84	68.24
			<i>For Installation Above 14', Add</i>	20.47	
			<i>For Work In Restricted Working Space, Add</i>	40.95	
26 05 33 13-1166	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,529.88	83.11
			<i>For Installation Above 14', Add</i>	24.93	
			<i>For Work In Restricted Working Space, Add</i>	49.86	
26 05 33 13-1167	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	235.96	19.11
			<i>For Installation Above 14', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	11.47	
26 05 33 13-1168	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	263.36	22.14
			<i>For Installation Above 14', Add</i>	6.64	
			<i>For Work In Restricted Working Space, Add</i>	13.28	
26 05 33 13-1169	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	378.05	24.26
			<i>For Installation Above 14', Add</i>	7.28	
			<i>For Work In Restricted Working Space, Add</i>	14.56	
26 05 33 13-1170	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	439.14	29.12
			<i>For Installation Above 14', Add</i>	8.73	
			<i>For Work In Restricted Working Space, Add</i>	17.47	
26 05 33 13-1171	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	666.20	40.94
			<i>For Installation Above 14', Add</i>	12.28	
			<i>For Work In Restricted Working Space, Add</i>	24.57	
26 05 33 13-1172	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	869.79	54.60
			<i>For Installation Above 14', Add</i>	16.38	
			<i>For Work In Restricted Working Space, Add</i>	32.76	
26 05 33 13-1173	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	1,291.02	68.24
			<i>For Installation Above 14', Add</i>	20.47	
			<i>For Work In Restricted Working Space, Add</i>	40.95	
26 05 33 13-1174	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	1,567.98	83.11
			<i>For Installation Above 14', Add</i>	24.93	
			<i>For Work In Restricted Working Space, Add</i>	49.86	
26 05 33 13-1175	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	235.96	19.11
			<i>For Installation Above 14', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	11.47	
26 05 33 13-1176	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	263.36	22.14
			<i>For Installation Above 14', Add</i>	6.64	
			<i>For Work In Restricted Working Space, Add</i>	13.28	
26 05 33 13-1177	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	378.05	24.26
			<i>For Installation Above 14', Add</i>	7.28	
			<i>For Work In Restricted Working Space, Add</i>	14.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1178 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	439.14 8.73 17.47	29.12
26 05 33 13-1179 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	666.20 12.28 24.57	40.94
26 05 33 13-1180 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	869.79 16.38 32.76	54.60
26 05 33 13-1181 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,291.02 20.47 40.95	68.24
26 05 33 13-1182 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,567.98 24.93 49.86	83.11
26 05 33 13-1183 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	235.96 5.73 11.47	19.11
26 05 33 13-1184 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	263.36 6.64 13.28	22.14
26 05 33 13-1185 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	379.26 7.28 14.56	24.26
26 05 33 13-1186 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	445.75 8.73 17.47	29.12
26 05 33 13-1187 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	654.90 12.28 24.57	40.94
26 05 33 13-1188 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	819.10 16.38 32.76	54.60
26 05 33 13-1189 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,229.84 20.47 40.95	68.24
26 05 33 13-1190 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,545.75 24.93 49.86	83.11
26 05 33 13-1191 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers <small>(26 05 33 13-0788)</small>		
26 05 33 13-1192 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	134.29 0.82 1.64	2.73
26 05 33 13-1193 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	134.90 0.91 1.82	3.03
26 05 33 13-1194 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	190.81 1.28 2.55	4.25
26 05 33 13-1195 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	192.02 1.46 2.91	4.85
26 05 33 13-1196 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	342.36 1.73 3.46	5.76
26 05 33 13-1197 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	345.39 2.18 4.37	7.28
26 05 33 13-1198 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	527.16 2.46 4.91	8.19
26 05 33 13-1199 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	532.01 3.18 6.37	10.61
26 05 33 13-1200 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings <small>(26 05 33 13-0788)</small>		
26 05 33 13-1201 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	224.03 2.27 4.55	7.58
26 05 33 13-1202 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	263.60 2.82 5.64	9.40
26 05 33 13-1203 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	311.01 3.46 6.92	11.53
26 05 33 13-1204 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	385.29 4.00 8.01	13.35

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1205	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	521.77	15.16
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
26 05 33 13-1206	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	733.24	16.68
			<i>For Installation Above 14', Add</i>	5.00	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
26 05 33 13-1207	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,054.45	20.93
			<i>For Installation Above 14', Add</i>	6.28	
			<i>For Work In Restricted Working Space, Add</i>	12.56	
26 05 33 13-1208	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,304.91	28.51
			<i>For Installation Above 14', Add</i>	8.55	
			<i>For Work In Restricted Working Space, Add</i>	17.11	
26 05 33 13-1209	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,850.55	32.15
			<i>For Installation Above 14', Add</i>	9.65	
			<i>For Work In Restricted Working Space, Add</i>	19.29	
26 05 33 13-1210	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,120.77	41.85
			<i>For Installation Above 14', Add</i>	12.56	
			<i>For Work In Restricted Working Space, Add</i>	25.11	
26 05 33 13-1211			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper <small>(26 05 33 13-0788)</small>		
26 05 33 13-1212	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	367.13	7.58
			<i>For Installation Above 14', Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
26 05 33 13-1213	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	377.41	9.40
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Work In Restricted Working Space, Add</i>	5.64	
26 05 33 13-1214	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	421.45	11.53
			<i>For Installation Above 14', Add</i>	3.46	
			<i>For Work In Restricted Working Space, Add</i>	6.92	
26 05 33 13-1215	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	511.50	13.35
			<i>For Installation Above 14', Add</i>	4.00	
			<i>For Work In Restricted Working Space, Add</i>	8.01	
26 05 33 13-1216	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	622.54	15.16
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
26 05 33 13-1217	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	802.61	16.68
			<i>For Installation Above 14', Add</i>	5.00	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
26 05 33 13-1218	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,194.19	20.93
			<i>For Installation Above 14', Add</i>	6.28	
			<i>For Work In Restricted Working Space, Add</i>	12.56	
26 05 33 13-1219	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,491.64	28.51
			<i>For Installation Above 14', Add</i>	8.55	
			<i>For Work In Restricted Working Space, Add</i>	17.11	
26 05 33 13-1220	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,910.84	32.15
			<i>For Installation Above 14', Add</i>	9.65	
			<i>For Work In Restricted Working Space, Add</i>	19.29	
26 05 33 13-1221	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	2,387.77	41.85
			<i>For Installation Above 14', Add</i>	12.56	
			<i>For Work In Restricted Working Space, Add</i>	25.11	
26 05 33 13-1222			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs <small>(26 05 33 13-0788)</small>		
26 05 33 13-1223	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	71.19	3.64
			<i>For Installation Above 14', Add</i>	1.09	
			<i>For Work In Restricted Working Space, Add</i>	2.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.18	
26 05 33 13-1224	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	75.70	4.55
			<i>For Installation Above 14', Add</i>	1.37	
			<i>For Work In Restricted Working Space, Add</i>	2.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.73	
26 05 33 13-1225	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	82.16	5.46
			<i>For Installation Above 14', Add</i>	1.64	
			<i>For Work In Restricted Working Space, Add</i>	3.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.28	
26 05 33 13-1226	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	91.74	6.67
			<i>For Installation Above 14', Add</i>	2.00	
			<i>For Work In Restricted Working Space, Add</i>	4.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 05 33 13-1227	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	126.81	7.58
			<i>For Installation Above 14', Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1228 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.87 2.55 5.09 5.09	8.50
26 05 33 13-1229 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	228.35 3.18 6.37 6.37	10.61
26 05 33 13-1230 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	297.13 4.28 8.55 8.55	14.26
26 05 33 13-1231 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	384.63 4.82 9.65 9.65	16.08
26 05 33 13-1232 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.00 6.28 12.56 12.56	20.93
26 05 33 13-1233 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	579.82 10.19 20.38 20.38	33.97
26 05 33 13-1234 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	874.39 15.38 30.76 30.76	51.25
26 05 33 13-1235 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0788)</small>		
26 05 33 13-1236 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.84 1.09 2.18 2.18	3.64
26 05 33 13-1237 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.65 1.37 2.73 2.73	4.55
26 05 33 13-1238 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.01 1.64 3.28 3.28	5.46
26 05 33 13-1239 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.53 2.00 4.01 4.01	6.67
26 05 33 13-1240 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.85 2.27 4.55 4.55	7.58
26 05 33 13-1241 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.70 2.55 5.09 5.09	8.50
26 05 33 13-1242 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	264.36 3.18 6.37 6.37	10.61
26 05 33 13-1243 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	312.66 4.28 8.55 8.55	14.26
26 05 33 13-1244 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	387.98 4.82 9.65 9.65	16.08
26 05 33 13-1245 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	503.65 6.28 12.56 12.56	20.93
26 05 33 13-1246 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	780.04 10.19 20.38 20.38	33.97
26 05 33 13-1247 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,287.01 15.38 30.76 30.76	51.25
26 05 33 13-1248 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs <small>(26 05 33 13-0788)</small>		
26 05 33 13-1249 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.88 1.09 2.18 2.18	3.64

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1250	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub.....	125.22	4.55
			<i>For Installation Above 14', Add</i>	1.37	
			<i>For Work In Restricted Working Space, Add</i>	2.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.73	
26 05 33 13-1251	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	132.97	5.46
			<i>For Installation Above 14', Add</i>	1.64	
			<i>For Work In Restricted Working Space, Add</i>	3.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.28	
26 05 33 13-1252	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	167.74	6.67
			<i>For Installation Above 14', Add</i>	2.00	
			<i>For Work In Restricted Working Space, Add</i>	4.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 05 33 13-1253	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	182.70	7.58
			<i>For Installation Above 14', Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1254	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	192.37	8.50
			<i>For Installation Above 14', Add</i>	2.55	
			<i>For Work In Restricted Working Space, Add</i>	5.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.09	
26 05 33 13-1255 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel					
(RGS), UNF Conduit Unions <small>(26 05 33 13-0788)</small>					
26 05 33 13-1256	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	77.88	7.58
			<i>For Installation Above 14', Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
26 05 33 13-1257	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	82.67	9.40
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Work In Restricted Working Space, Add</i>	5.64	
26 05 33 13-1258	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	108.65	11.53
			<i>For Installation Above 14', Add</i>	3.46	
			<i>For Work In Restricted Working Space, Add</i>	6.92	
26 05 33 13-1259	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	164.46	13.35
			<i>For Installation Above 14', Add</i>	4.00	
			<i>For Work In Restricted Working Space, Add</i>	8.01	
26 05 33 13-1260	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	196.51	15.16
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
26 05 33 13-1261	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	254.82	16.68
			<i>For Installation Above 14', Add</i>	5.00	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
26 05 33 13-1262	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	341.67	20.93
			<i>For Installation Above 14', Add</i>	6.28	
			<i>For Work In Restricted Working Space, Add</i>	12.56	
26 05 33 13-1263	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	455.20	20.93
			<i>For Installation Above 14', Add</i>	6.28	
			<i>For Work In Restricted Working Space, Add</i>	12.56	
26 05 33 13-1264	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	577.03	32.15
			<i>For Installation Above 14', Add</i>	9.65	
			<i>For Work In Restricted Working Space, Add</i>	19.29	
26 05 33 13-1265	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	742.06	41.85
			<i>For Installation Above 14', Add</i>	12.56	
			<i>For Work In Restricted Working Space, Add</i>	25.11	
26 05 33 13-1266	EA	5"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,367.03	68.24
			<i>For Installation Above 14', Add</i>	20.47	
			<i>For Work In Restricted Working Space, Add</i>	40.95	
26 05 33 13-1267	EA	6"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,670.60	102.52
			<i>For Installation Above 14', Add</i>	30.76	
			<i>For Work In Restricted Working Space, Add</i>	61.51	
26 05 33 13-1268 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel					
(RGS), UNY Conduit Unions <small>(26 05 33 13-0788)</small>					
26 05 33 13-1269	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	79.99	7.58
			<i>For Installation Above 14', Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
26 05 33 13-1270	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	90.73	9.40
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Work In Restricted Working Space, Add</i>	5.64	
26 05 33 13-1271	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	112.96	11.53
			<i>For Installation Above 14', Add</i>	3.46	
			<i>For Work In Restricted Working Space, Add</i>	6.92	
26 05 33 13-1272	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	172.36	13.35
			<i>For Installation Above 14', Add</i>	4.00	
			<i>For Work In Restricted Working Space, Add</i>	8.01	
26 05 33 13-1273	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	207.47	15.16
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
26 05 33 13-1274	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	278.49	16.68
			<i>For Installation Above 14', Add</i>	5.00	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
26 05 33 13-1275	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	392.31	20.93
			<i>For Installation Above 14', Add</i>	6.28	
			<i>For Work In Restricted Working Space, Add</i>	12.56	
26 05 33 13-1276	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	506.69	20.93
			<i>For Installation Above 14', Add</i>	6.28	
			<i>For Work In Restricted Working Space, Add</i>	12.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1277	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	670.12	32.15
			<i>For Installation Above 14', Add</i>	9.65	
			<i>For Work In Restricted Working Space, Add</i>	19.29	
26 05 33 13-1278	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	834.81	41.85
			<i>For Installation Above 14', Add</i>	12.56	
			<i>For Work In Restricted Working Space, Add</i>	25.11	
26 05 33 13-1279	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	1,537.05	68.24
			<i>For Installation Above 14', Add</i>	20.47	
			<i>For Work In Restricted Working Space, Add</i>	40.95	
26 05 33 13-1280	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	1,945.12	102.52
			<i>For Installation Above 14', Add</i>	30.76	
			<i>For Work In Restricted Working Space, Add</i>	61.51	
26 05 33 13-1281			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings <small>(26 05 33 13-0788)</small>		
26 05 33 13-1282	EA		3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	47.28	2.43
			<i>For Installation Above 14', Add</i>	0.73	
			<i>For Work In Restricted Working Space, Add</i>	1.46	
26 05 33 13-1283	EA		1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	51.05	3.03
			<i>For Installation Above 14', Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	1.82	
26 05 33 13-1284	EA		1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	58.97	3.03
			<i>For Installation Above 14', Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	1.82	
26 05 33 13-1285	EA		1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	73.78	3.33
			<i>For Installation Above 14', Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	2.00	
26 05 33 13-1286	EA		1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	78.35	3.33
			<i>For Installation Above 14', Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	2.00	
26 05 33 13-1287	EA		1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	64.91	3.95
			<i>For Installation Above 14', Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	2.36	
26 05 33 13-1288	EA		1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	75.11	3.95
			<i>For Installation Above 14', Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	2.36	
26 05 33 13-1289	EA		1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	121.02	3.95
			<i>For Installation Above 14', Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	2.36	
26 05 33 13-1290	EA		2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	134.17	4.55
			<i>For Installation Above 14', Add</i>	1.37	
			<i>For Work In Restricted Working Space, Add</i>	2.73	
26 05 33 13-1291	EA		2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	130.20	4.55
			<i>For Installation Above 14', Add</i>	1.37	
			<i>For Work In Restricted Working Space, Add</i>	2.73	
26 05 33 13-1292	EA		2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	137.57	4.55
			<i>For Installation Above 14', Add</i>	1.37	
			<i>For Work In Restricted Working Space, Add</i>	2.73	
26 05 33 13-1293	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	156.08	4.55
			<i>For Installation Above 14', Add</i>	1.37	
			<i>For Work In Restricted Working Space, Add</i>	2.73	
26 05 33 13-1294	EA		2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	152.92	5.46
			<i>For Installation Above 14', Add</i>	1.64	
			<i>For Work In Restricted Working Space, Add</i>	3.28	
26 05 33 13-1295	EA		3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	193.61	7.58
			<i>For Installation Above 14', Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
26 05 33 13-1296	EA		3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	290.34	8.80
			<i>For Installation Above 14', Add</i>	2.64	
			<i>For Work In Restricted Working Space, Add</i>	5.28	
26 05 33 13-1297	EA		4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	387.65	12.13
			<i>For Installation Above 14', Add</i>	3.64	
			<i>For Work In Restricted Working Space, Add</i>	7.28	
26 05 33 13-1298	EA		5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	481.41	16.68
			<i>For Installation Above 14', Add</i>	5.01	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
26 05 33 13-1299			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples <small>(26 05 33 13-0788)</small>		
26 05 33 13-1300	EA		1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	25.07	3.64
			<i>For Installation Above 14', Add</i>	1.09	
			<i>For Work In Restricted Working Space, Add</i>	2.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.18	
26 05 33 13-1301	EA		3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	27.23	4.55
			<i>For Installation Above 14', Add</i>	1.37	
			<i>For Work In Restricted Working Space, Add</i>	2.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.73	
26 05 33 13-1302	EA		1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	30.65	5.76
			<i>For Installation Above 14', Add</i>	1.73	
			<i>For Work In Restricted Working Space, Add</i>	3.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.46	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1303	EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.87	6.67
	<i>For Installation Above 14', Add</i>	2.00	
	<i>For Work In Restricted Working Space, Add</i>	4.01	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 05 33 13-1304	EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.45	7.58
	<i>For Installation Above 14', Add</i>	2.27	
	<i>For Work In Restricted Working Space, Add</i>	4.55	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1305	EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	27.95	3.95
	<i>For Installation Above 14', Add</i>	1.18	
	<i>For Work In Restricted Working Space, Add</i>	2.36	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	
26 05 33 13-1306	EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	29.66	4.55
	<i>For Installation Above 14', Add</i>	1.37	
	<i>For Work In Restricted Working Space, Add</i>	2.73	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.73	
26 05 33 13-1307	EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.11	5.76
	<i>For Installation Above 14', Add</i>	1.73	
	<i>For Work In Restricted Working Space, Add</i>	3.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.46	
26 05 33 13-1308	EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.47	6.67
	<i>For Installation Above 14', Add</i>	2.00	
	<i>For Work In Restricted Working Space, Add</i>	4.01	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 05 33 13-1309	EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.25	7.58
	<i>For Installation Above 14', Add</i>	2.27	
	<i>For Work In Restricted Working Space, Add</i>	4.55	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1310	EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.29	8.50
	<i>For Installation Above 14', Add</i>	2.55	
	<i>For Work In Restricted Working Space, Add</i>	5.09	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.09	
26 05 33 13-1311	EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	28.12	3.95
	<i>For Installation Above 14', Add</i>	1.18	
	<i>For Work In Restricted Working Space, Add</i>	2.36	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	
26 05 33 13-1312	EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	29.83	4.55
	<i>For Installation Above 14', Add</i>	1.37	
	<i>For Work In Restricted Working Space, Add</i>	2.73	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.73	
26 05 33 13-1313	EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.42	5.76
	<i>For Installation Above 14', Add</i>	1.73	
	<i>For Work In Restricted Working Space, Add</i>	3.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.46	
26 05 33 13-1314	EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.81	6.67
	<i>For Installation Above 14', Add</i>	2.00	
	<i>For Work In Restricted Working Space, Add</i>	4.01	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 05 33 13-1315	EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.59	7.58
	<i>For Installation Above 14', Add</i>	2.27	
	<i>For Work In Restricted Working Space, Add</i>	4.55	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1316	EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.16	8.50
	<i>For Installation Above 14', Add</i>	2.55	
	<i>For Work In Restricted Working Space, Add</i>	5.09	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.09	
26 05 33 13-1317	EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	30.43	3.95
	<i>For Installation Above 14', Add</i>	1.18	
	<i>For Work In Restricted Working Space, Add</i>	2.36	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	
26 05 33 13-1318	EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.14	4.55
	<i>For Installation Above 14', Add</i>	1.37	
	<i>For Work In Restricted Working Space, Add</i>	2.73	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.73	
26 05 33 13-1319	EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.90	5.76
	<i>For Installation Above 14', Add</i>	1.73	
	<i>For Work In Restricted Working Space, Add</i>	3.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.46	
26 05 33 13-1320	EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.22	6.67
	<i>For Installation Above 14', Add</i>	2.00	
	<i>For Work In Restricted Working Space, Add</i>	4.01	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 05 33 13-1321	EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.15	7.58
	<i>For Installation Above 14', Add</i>	2.27	
	<i>For Work In Restricted Working Space, Add</i>	4.55	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1322	EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.88	8.50
	<i>For Installation Above 14', Add</i>	2.55	
	<i>For Work In Restricted Working Space, Add</i>	5.09	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.09	
26 05 33 13-1323	EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	71.27	10.31
	<i>For Installation Above 14', Add</i>	3.09	
	<i>For Work In Restricted Working Space, Add</i>	6.19	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-1324	EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	90.47	14.26
	<i>For Installation Above 14', Add</i>	4.28	
	<i>For Work In Restricted Working Space, Add</i>	8.55	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1325	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	30.60	3.95
		<i>For Installation Above 14', Add</i>	1.18	
		<i>For Work In Restricted Working Space, Add</i>	2.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	
26 05 33 13-1326	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.45	4.55
		<i>For Installation Above 14', Add</i>	1.37	
		<i>For Work In Restricted Working Space, Add</i>	2.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.73	
26 05 33 13-1327	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.24	5.76
		<i>For Installation Above 14', Add</i>	1.73	
		<i>For Work In Restricted Working Space, Add</i>	3.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.46	
26 05 33 13-1328	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.63	6.67
		<i>For Installation Above 14', Add</i>	2.00	
		<i>For Work In Restricted Working Space, Add</i>	4.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 05 33 13-1329	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.70	7.58
		<i>For Installation Above 14', Add</i>	2.27	
		<i>For Work In Restricted Working Space, Add</i>	4.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1330	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	51.61	8.50
		<i>For Installation Above 14', Add</i>	2.55	
		<i>For Work In Restricted Working Space, Add</i>	5.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.09	
26 05 33 13-1331	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	73.67	10.31
		<i>For Installation Above 14', Add</i>	3.09	
		<i>For Work In Restricted Working Space, Add</i>	6.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-1332	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	95.65	14.26
		<i>For Installation Above 14', Add</i>	4.28	
		<i>For Work In Restricted Working Space, Add</i>	8.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1333	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	115.87	16.08
		<i>For Installation Above 14', Add</i>	4.82	
		<i>For Work In Restricted Working Space, Add</i>	9.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.64	
26 05 33 13-1334	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	131.44	20.93
		<i>For Installation Above 14', Add</i>	6.28	
		<i>For Work In Restricted Working Space, Add</i>	12.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-1335	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	30.92	3.95
		<i>For Installation Above 14', Add</i>	1.18	
		<i>For Work In Restricted Working Space, Add</i>	2.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	
26 05 33 13-1336	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.79	4.55
		<i>For Installation Above 14', Add</i>	1.37	
		<i>For Work In Restricted Working Space, Add</i>	2.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.73	
26 05 33 13-1337	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.61	5.76
		<i>For Installation Above 14', Add</i>	1.73	
		<i>For Work In Restricted Working Space, Add</i>	3.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.46	
26 05 33 13-1338	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.29	6.67
		<i>For Installation Above 14', Add</i>	2.00	
		<i>For Work In Restricted Working Space, Add</i>	4.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 05 33 13-1339	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.38	7.58
		<i>For Installation Above 14', Add</i>	2.27	
		<i>For Work In Restricted Working Space, Add</i>	4.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1340	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.09	8.50
		<i>For Installation Above 14', Add</i>	2.55	
		<i>For Work In Restricted Working Space, Add</i>	5.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.09	
26 05 33 13-1341	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	83.25	10.31
		<i>For Installation Above 14', Add</i>	3.09	
		<i>For Work In Restricted Working Space, Add</i>	6.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-1342	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	103.40	14.26
		<i>For Installation Above 14', Add</i>	4.28	
		<i>For Work In Restricted Working Space, Add</i>	8.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1343	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	117.53	16.08
		<i>For Installation Above 14', Add</i>	4.82	
		<i>For Work In Restricted Working Space, Add</i>	9.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.64	
26 05 33 13-1344	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	135.86	20.93
		<i>For Installation Above 14', Add</i>	6.28	
		<i>For Work In Restricted Working Space, Add</i>	12.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-1345	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	203.85	28.81
		<i>For Installation Above 14', Add</i>	8.64	
		<i>For Work In Restricted Working Space, Add</i>	17.29	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29	
26 05 33 13-1346	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	31.52	3.95
		<i>For Installation Above 14', Add</i>	1.18	
		<i>For Work In Restricted Working Space, Add</i>	2.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1347	EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.40	4.55
	<i>For Installation Above 14', Add</i>	1.37	
	<i>For Work In Restricted Working Space, Add</i>	2.73	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.73	
26 05 33 13-1348	EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.26	5.76
	<i>For Installation Above 14', Add</i>	1.73	
	<i>For Work In Restricted Working Space, Add</i>	3.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.46	
26 05 33 13-1349	EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.50	6.67
	<i>For Installation Above 14', Add</i>	2.00	
	<i>For Work In Restricted Working Space, Add</i>	4.01	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 05 33 13-1350	EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.84	7.58
	<i>For Installation Above 14', Add</i>	2.27	
	<i>For Work In Restricted Working Space, Add</i>	4.55	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1351	EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.57	8.50
	<i>For Installation Above 14', Add</i>	2.55	
	<i>For Work In Restricted Working Space, Add</i>	5.09	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.09	
26 05 33 13-1352	EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	92.97	10.31
	<i>For Installation Above 14', Add</i>	3.09	
	<i>For Work In Restricted Working Space, Add</i>	6.19	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-1353	EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	113.70	14.26
	<i>For Installation Above 14', Add</i>	4.28	
	<i>For Work In Restricted Working Space, Add</i>	8.55	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1354	EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	126.81	16.08
	<i>For Installation Above 14', Add</i>	4.82	
	<i>For Work In Restricted Working Space, Add</i>	9.64	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.64	
26 05 33 13-1355	EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	151.51	20.93
	<i>For Installation Above 14', Add</i>	6.28	
	<i>For Work In Restricted Working Space, Add</i>	12.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-1356	EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	227.25	28.81
	<i>For Installation Above 14', Add</i>	8.64	
	<i>For Work In Restricted Working Space, Add</i>	17.29	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29	
26 05 33 13-1357	EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.47	3.95
	<i>For Installation Above 14', Add</i>	1.18	
	<i>For Work In Restricted Working Space, Add</i>	2.36	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	
26 05 33 13-1358	EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.32	4.55
	<i>For Installation Above 14', Add</i>	1.37	
	<i>For Work In Restricted Working Space, Add</i>	2.73	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.73	
26 05 33 13-1359	EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	38.72	5.76
	<i>For Installation Above 14', Add</i>	1.73	
	<i>For Work In Restricted Working Space, Add</i>	3.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.46	
26 05 33 13-1360	EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.82	6.67
	<i>For Installation Above 14', Add</i>	2.00	
	<i>For Work In Restricted Working Space, Add</i>	4.01	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 05 33 13-1361	EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.81	7.58
	<i>For Installation Above 14', Add</i>	2.27	
	<i>For Work In Restricted Working Space, Add</i>	4.55	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1362	EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.81	8.50
	<i>For Installation Above 14', Add</i>	2.55	
	<i>For Work In Restricted Working Space, Add</i>	5.09	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.09	
26 05 33 13-1363	EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	104.92	10.31
	<i>For Installation Above 14', Add</i>	3.09	
	<i>For Work In Restricted Working Space, Add</i>	6.19	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-1364	EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	127.79	14.26
	<i>For Installation Above 14', Add</i>	4.28	
	<i>For Work In Restricted Working Space, Add</i>	8.55	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1365	EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	150.04	16.08
	<i>For Installation Above 14', Add</i>	4.82	
	<i>For Work In Restricted Working Space, Add</i>	9.64	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.64	
26 05 33 13-1366	EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	175.01	20.93
	<i>For Installation Above 14', Add</i>	6.28	
	<i>For Work In Restricted Working Space, Add</i>	12.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-1367	EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	243.29	28.81
	<i>For Installation Above 14', Add</i>	8.64	
	<i>For Work In Restricted Working Space, Add</i>	17.29	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29	
26 05 33 13-1368	EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.47	3.95
	<i>For Installation Above 14', Add</i>	1.18	
	<i>For Work In Restricted Working Space, Add</i>	2.36	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1369 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.29	4.55
<i>For Installation Above 14', Add</i>	1.37	
<i>For Work In Restricted Working Space, Add</i>	2.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.73	
26 05 33 13-1370 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	40.15	5.76
<i>For Installation Above 14', Add</i>	1.73	
<i>For Work In Restricted Working Space, Add</i>	3.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.46	
26 05 33 13-1371 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.19	6.67
<i>For Installation Above 14', Add</i>	2.00	
<i>For Work In Restricted Working Space, Add</i>	4.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 05 33 13-1372 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	57.85	7.58
<i>For Installation Above 14', Add</i>	2.27	
<i>For Work In Restricted Working Space, Add</i>	4.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1373 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	72.45	8.50
<i>For Installation Above 14', Add</i>	2.55	
<i>For Work In Restricted Working Space, Add</i>	5.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.09	
26 05 33 13-1374 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	117.56	10.31
<i>For Installation Above 14', Add</i>	3.09	
<i>For Work In Restricted Working Space, Add</i>	6.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-1375 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	145.85	14.26
<i>For Installation Above 14', Add</i>	4.28	
<i>For Work In Restricted Working Space, Add</i>	8.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1376 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	174.43	16.08
<i>For Installation Above 14', Add</i>	4.82	
<i>For Work In Restricted Working Space, Add</i>	9.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.64	
26 05 33 13-1377 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	216.12	20.93
<i>For Installation Above 14', Add</i>	6.28	
<i>For Work In Restricted Working Space, Add</i>	12.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-1378 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	275.29	28.81
<i>For Installation Above 14', Add</i>	8.64	
<i>For Work In Restricted Working Space, Add</i>	17.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29	
26 05 33 13-1379 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	34.49	3.95
<i>For Installation Above 14', Add</i>	1.18	
<i>For Work In Restricted Working Space, Add</i>	2.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	
26 05 33 13-1380 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.44	4.55
<i>For Installation Above 14', Add</i>	1.37	
<i>For Work In Restricted Working Space, Add</i>	2.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.73	
26 05 33 13-1381 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.80	5.76
<i>For Installation Above 14', Add</i>	1.73	
<i>For Work In Restricted Working Space, Add</i>	3.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.46	
26 05 33 13-1382 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	56.38	6.67
<i>For Installation Above 14', Add</i>	2.00	
<i>For Work In Restricted Working Space, Add</i>	4.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 05 33 13-1383 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	66.38	7.58
<i>For Installation Above 14', Add</i>	2.27	
<i>For Work In Restricted Working Space, Add</i>	4.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-1384 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	81.01	8.50
<i>For Installation Above 14', Add</i>	2.55	
<i>For Work In Restricted Working Space, Add</i>	5.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.09	
26 05 33 13-1385 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	134.42	10.31
<i>For Installation Above 14', Add</i>	3.09	
<i>For Work In Restricted Working Space, Add</i>	6.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-1386 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	172.92	14.26
<i>For Installation Above 14', Add</i>	4.28	
<i>For Work In Restricted Working Space, Add</i>	8.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.55	
26 05 33 13-1387 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	189.40	16.08
<i>For Installation Above 14', Add</i>	4.82	
<i>For Work In Restricted Working Space, Add</i>	9.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.64	
26 05 33 13-1388 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	228.73	20.93
<i>For Installation Above 14', Add</i>	6.28	
<i>For Work In Restricted Working Space, Add</i>	12.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-1389 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	279.86	28.81
<i>For Installation Above 14', Add</i>	8.64	
<i>For Work In Restricted Working Space, Add</i>	17.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29	

26 05 33 13-1390 Aluminum Conduit (26 05 33 13-0041)

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1391		Aluminum Conduit With Threaded Coupling (26 05 33 13-1390) Note: Includes field bend conduit up to 1".		
26 05 33	13-1392	LF	1/2" Aluminum Conduit With Threaded Coupling.....	3.44	0.93
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.35	
			For Work In Restricted Working Space, Add	0.70	
26 05 33	13-1393	LF	3/4" Aluminum Conduit With Threaded Coupling.....	4.05	1.02
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.39	
			For Work In Restricted Working Space, Add	0.77	
26 05 33	13-1394	LF	1" Aluminum Conduit With Threaded Coupling.....	4.90	1.12
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.42	
			For Work In Restricted Working Space, Add	0.84	
26 05 33	13-1395	LF	1-1/4" Aluminum Conduit With Threaded Coupling.....	5.78	1.22
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.45	
			For Work In Restricted Working Space, Add	0.91	
26 05 33	13-1396	LF	1-1/2" Aluminum Conduit With Threaded Coupling.....	6.68	1.31
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.49	
			For Work In Restricted Working Space, Add	0.98	
26 05 33	13-1397	LF	2" Aluminum Conduit With Threaded Coupling.....	8.31	1.50
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.56	
			For Work In Restricted Working Space, Add	1.12	
26 05 33	13-1398	LF	2-1/2" Aluminum Conduit With Threaded Coupling.....	11.88	1.87
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.70	
			For Work In Restricted Working Space, Add	1.40	
26 05 33	13-1399	LF	3" Aluminum Conduit With Threaded Coupling.....	15.08	2.24
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.84	
			For Work In Restricted Working Space, Add	1.68	
26 05 33	13-1400	LF	3-1/2" Aluminum Conduit With Threaded Coupling.....	18.38	2.80
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.05	
			For Work In Restricted Working Space, Add	2.10	
26 05 33	13-1401	LF	4" Aluminum Conduit With Threaded Coupling.....	22.35	3.54
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.33	
			For Work In Restricted Working Space, Add	2.66	
26 05 33	13-1402	LF	5" Aluminum Conduit With Threaded Coupling.....	30.49	4.48
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.68	
			For Work In Restricted Working Space, Add	3.36	
26 05 33	13-1403	LF	6" Aluminum Conduit With Threaded Coupling.....	39.38	5.60
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.10	
			For Work In Restricted Working Space, Add	4.20	
26 05 33	13-1404		Aluminum 90 Degree Elbows (26 05 33 13-1390)		
26 05 33	13-1405	EA	1" Aluminum 90 Degree Elbow.....	23.88	4.85
			For Work In Restricted Working Space, Add	3.64	
26 05 33	13-1406	EA	1-1/4" Aluminum 90 Degree Elbow.....	32.43	5.50
			For Work In Restricted Working Space, Add	4.13	
26 05 33	13-1407	EA	1-1/2" Aluminum 90 Degree Elbow.....	40.70	6.35
			For Work In Restricted Working Space, Add	4.76	
26 05 33	13-1408	EA	2" Aluminum 90 Degree Elbow.....	54.76	7.28
			For Work In Restricted Working Space, Add	5.46	
26 05 33	13-1409	EA	2-1/2" Aluminum 90 Degree Elbow.....	83.77	8.87
			For Work In Restricted Working Space, Add	6.65	
26 05 33	13-1410	EA	3" Aluminum 90 Degree Elbow.....	123.87	11.48
			For Work In Restricted Working Space, Add	8.61	
26 05 33	13-1411	EA	3-1/2" Aluminum 90 Degree Elbow.....	180.62	12.87
			For Work In Restricted Working Space, Add	9.66	
26 05 33	13-1412	EA	4" Aluminum 90 Degree Elbow.....	216.36	16.15
			For Work In Restricted Working Space, Add	12.11	
26 05 33	13-1413	EA	5" Aluminum 90 Degree Elbow.....	586.18	26.32
			For Work In Restricted Working Space, Add	19.74	
26 05 33	13-1414	EA	6" Aluminum 90 Degree Elbow.....	818.91	39.57
			For Work In Restricted Working Space, Add	29.68	
26 05 33	13-1415		Aluminum Bushing Set With Locknut (26 05 33 13-1390)		
26 05 33	13-1416	EA	1/2" Aluminum Bushing Set With Locknut.....	5.56	1.87
			For Work In Restricted Working Space, Add	1.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.40	
26 05 33	13-1417	EA	3/4" Aluminum Bushing Set With Locknut.....	9.67	2.43
			For Work In Restricted Working Space, Add	1.82	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.82	
26 05 33	13-1418	EA	1" Aluminum Bushing Set With Locknut.....	8.04	2.98
			For Work In Restricted Working Space, Add	2.24	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.24	
26 05 33	13-1419	EA	1-1/4" Aluminum Bushing Set With Locknut.....	9.04	3.36
			For Work In Restricted Working Space, Add	2.52	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.52	
26 05 33	13-1420	EA	1-1/2" Aluminum Bushing Set With Locknut.....	11.09	4.11
			For Work In Restricted Working Space, Add	3.08	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.08	
26 05 33	13-1421	EA	2" Aluminum Bushing Set With Locknut.....	13.73	4.95
			For Work In Restricted Working Space, Add	3.71	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 33	13-1422	EA	2-1/2" Aluminum Bushing Set With Locknut.....	17.48	5.87
			For Work In Restricted Working Space, Add	4.41	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.41	
26 05 33	13-1423	EA	3" Aluminum Bushing Set With Locknut.....	20.92	6.72
			For Work In Restricted Working Space, Add	5.04	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1424 EA 3-1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.59 5.46 5.46	7.28
26 05 33 13-1425 EA 4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.87 5.88 5.88	7.84
26 05 33 13-1426 EA 5" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.72 7.84 7.84	10.45
26 05 33 13-1427 EA 6" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.24 11.76 11.76	15.68
26 05 33 13-1428 Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0041)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1429 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-1428)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-1430 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	1.82 0.13 0.22	0.66
26 05 33 13-1431 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	2.04 0.15 0.26	0.72
26 05 33 13-1432 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	2.46 0.19 0.33	0.84
26 05 33 13-1433 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	2.87 0.24 0.40	0.96
26 05 33 13-1434 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.37 0.28 0.48	1.12
26 05 33 13-1435 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.94 0.34 0.58	1.28
26 05 33 13-1436 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.98 0.48 0.79	1.52
26 05 33 13-1437 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.80 0.57 0.93	1.77
26 05 33 13-1438 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	7.00 0.71 1.15	2.09
26 05 33 13-1439 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	8.37 0.81 1.33	2.57
26 05 33 13-1440 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	11.86 1.16 1.90	3.61
26 05 33 13-1441 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	15.78 1.54 2.52	4.81
26 05 33 13-1442 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows <small>(26 05 33 13-1428)</small> See CSI section 26 05 33 13-2208 for conduit field bending.		
26 05 33 13-1443 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	8.56 0.54 0.99	3.21
26 05 33 13-1444 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	9.45 0.60 1.10	3.53
26 05 33 13-1445 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	11.03 0.75 1.36	4.01
26 05 33 13-1446 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	14.30 1.01 1.80	5.14
26 05 33 13-1447 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	18.03 1.30 2.30	6.41
26 05 33 13-1448 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	22.70 1.67 2.94	8.01
26 05 33 13-1449 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	29.04 2.45 4.15	9.62

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1450 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	36.46 3.50 5.74	11.22
26 05 33 13-1451 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	45.87 4.65 7.53	13.63
26 05 33 13-1452 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	55.27 5.80 9.32	16.04
26 05 33 13-1453 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	76.38 9.07 14.20	20.04
26 05 33 13-1454 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	93.66 11.39 17.75	24.05
26 05 33 13-1455 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows <small>(26 05 33 13-1428)</small> See CSI section 26 05 33 13-2208 for conduit field bending.		
26 05 33 13-1456 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	8.45 0.51 0.96	3.21
26 05 33 13-1457 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	9.41 0.59 1.09	3.53
26 05 33 13-1458 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	10.97 0.74 1.33	4.01
26 05 33 13-1459 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	14.13 0.97 1.74	5.14
26 05 33 13-1460 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	17.64 1.20 2.16	6.41
26 05 33 13-1461 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	22.49 1.61 2.86	8.01
26 05 33 13-1462 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	28.64 2.35 4.01	9.62
26 05 33 13-1463 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	35.95 3.37 5.57	11.22
26 05 33 13-1464 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	44.46 4.30 7.04	13.63
26 05 33 13-1465 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	54.06 5.50 8.90	16.04
26 05 33 13-1466 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	74.80 8.68 13.65	20.04
26 05 33 13-1467 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2208 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	88.97 10.21 16.10	24.05
26 05 33 13-1468 Polyvinyl Chloride (PVC) Conduit Adapters <small>(26 05 33 13-1428)</small>		
26 05 33 13-1469 EA 1/2" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.87 1.69	2.25
26 05 33 13-1470 EA 3/4" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74 1.92	2.57
26 05 33 13-1471 EA 1" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67 2.16	2.89
26 05 33 13-1472 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.64 2.40	3.21
26 05 33 13-1473 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.68 3.01	4.01
26 05 33 13-1474 EA 2" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.93 3.61	4.81
26 05 33 13-1475 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.86 4.81	6.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1476 EA 3" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.57 6.01	8.01
26 05 33 13-1477 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.30 7.82	10.42
26 05 33 13-1478 EA 4" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.39 9.62	12.83
26 05 33 13-1479 EA 5" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.63 12.02	16.04
26 05 33 13-1480 EA 6" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.99 15.04	20.04
26 05 33 13-1481 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug <small>(26 05 33 13-1428)</small>		
26 05 33 13-1482 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.05 1.44	1.93
26 05 33 13-1483 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.98 1.69	2.25
26 05 33 13-1484 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.91 1.92	2.57
26 05 33 13-1485 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.64 2.16	2.89
26 05 33 13-1486 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.82 2.40	3.21
26 05 33 13-1487 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.12 2.77	3.69
26 05 33 13-1488 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.78 3.13	4.17
26 05 33 13-1489 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.83 3.61	4.81
26 05 33 13-1490 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.16 4.21	5.62
26 05 33 13-1491 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.17 4.81	6.41
26 05 33 13-1492 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.67 5.41	7.21
26 05 33 13-1493 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.03 6.01	8.01
26 05 33 13-1494 Polyvinyl Chloride (PVC) Conduit Terminal Adapters <small>(26 05 33 13-1428)</small>		
26 05 33 13-1495 EA 1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38 1.85	
26 05 33 13-1496 EA 3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72 2.22	
26 05 33 13-1497 EA 1" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.61 2.46	
26 05 33 13-1498 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66 2.74	
26 05 33 13-1499 Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <small>(26 05 33 13-1428)</small>		
26 05 33 13-1500 EA 1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.60 4.81	6.41
26 05 33 13-1501 EA 3/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.65 5.41	7.21
26 05 33 13-1502 EA 1" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.01 6.01	8.01
26 05 33 13-1503 EA 1-1/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.73 7.22	9.62
26 05 33 13-1504 EA 1-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.68 9.02	12.03
26 05 33 13-1505 EA 2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.81 10.82	14.43
26 05 33 13-1506 EA 2-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.22 12.02	16.04
26 05 33 13-1507 EA 3" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.76 13.23	17.63
26 05 33 13-1508 EA 3-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.27 15.04	20.04
26 05 33 13-1509 EA 4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.30 17.44	23.25
26 05 33 13-1510 Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <small>(26 05 33 13-1428)</small>		
26 05 33 13-1511 EA 1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.73 2.02 3.52 7.00	9.33
26 05 33 13-1512 EA 3/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.90 2.34 4.05 7.70	10.26

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1513 EA 1" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	32.27	11.20
For Schedule 60, Add	2.47	
For Schedule 80, Add	4.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.40	
26 05 33 13-1514 EA 1-1/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	40.47	13.06
For Schedule 60, Add	3.58	
For Schedule 80, Add	6.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.80	
26 05 33 13-1515 EA 1-1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	48.83	15.87
For Schedule 60, Add	4.27	
For Schedule 80, Add	7.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.90	
26 05 33 13-1516 EA 2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	59.94	18.67
For Schedule 60, Add	5.65	
For Schedule 80, Add	9.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.00	
26 05 33 13-1517 Polyvinyl Chloride (PVC) Conduit Expansion Joint (26 05 33 13-1428)		
26 05 33 13-1518 EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	42.37	8.01
26 05 33 13-1519 EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	46.90	9.62
26 05 33 13-1520 EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	51.79	11.22
26 05 33 13-1521 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	56.32	12.83
26 05 33 13-1522 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	60.69	14.43
26 05 33 13-1523 EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	66.00	16.04
26 05 33 13-1524 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	81.25	18.44
26 05 33 13-1525 EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	97.80	20.84
26 05 33 13-1526 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	114.62	24.05
26 05 33 13-1527 EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	136.51	28.07
26 05 33 13-1528 EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	180.85	33.67
26 05 33 13-1529 EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	238.27	43.29
26 05 33 13-1530 Polyvinyl Chloride (PVC) Conduit End Caps (26 05 33 13-1428)		
26 05 33 13-1531 EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap	5.16	1.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.20	
26 05 33 13-1532 EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap	6.07	1.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.44	
26 05 33 13-1533 EA 1" Polyvinyl Chloride (PVC) Conduit End Cap	6.97	2.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.69	
26 05 33 13-1534 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	8.36	2.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.92	
26 05 33 13-1535 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	9.76	2.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.16	
26 05 33 13-1536 EA 2" Polyvinyl Chloride (PVC) Conduit End Cap	11.53	3.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.40	
26 05 33 13-1537 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	16.90	3.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.77	
26 05 33 13-1538 EA 3" Polyvinyl Chloride (PVC) Conduit End Cap	18.44	4.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.13	
26 05 33 13-1539 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	23.89	4.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.49	
26 05 33 13-1540 EA 4" Polyvinyl Chloride (PVC) Conduit End Cap	29.15	4.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.73	
26 05 33 13-1541 EA 5" Polyvinyl Chloride (PVC) Conduit End Cap	33.44	5.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
26 05 33 13-1542 EA 6" Polyvinyl Chloride (PVC) Conduit End Cap	42.60	6.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-1543 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-1428)		
26 05 33 13-1544 EA 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200).....	56.17	14.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.82	
26 05 33 13-1545 EA 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	65.62	9.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 33 13-1546 EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	167.57	16.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.02	
26 05 33 13-1547 EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	335.70	23.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.44	
26 05 33 13-1548 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-0041) Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1549 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1548)		
26 05 33 13-1550 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	3.38	0.66
26 05 33 13-1551 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	3.76	0.72
26 05 33 13-1552 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	4.18	0.83
26 05 33 13-1553 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	4.59	0.96
26 05 33 13-1554 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	5.17	1.12
26 05 33 13-1555 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	5.63	1.28
26 05 33 13-1556 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.71	1.52
26 05 33 13-1557 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.89	1.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1558 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.13	2.09
26 05 33 13-1559 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.76	2.57
26 05 33 13-1560 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.45	3.61
26 05 33 13-1561 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	18.82	4.81
26 05 33 13-1562 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1548)</small>		
26 05 33 13-1563 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	40.11	3.21
For 24" Radius, Add	2.81	
For 36" Radius, Add	4.01	
For 48" Radius, Add	5.21	
26 05 33 13-1564 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	44.76	3.53
For 24" Radius, Add	3.14	
For 36" Radius, Add	4.48	
For 48" Radius, Add	5.82	
26 05 33 13-1565 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	46.32	4.01
For 24" Radius, Add	3.22	
For 36" Radius, Add	4.63	
For 48" Radius, Add	6.04	
26 05 33 13-1566 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	49.49	5.14
For 24" Radius, Add	3.39	
For 36" Radius, Add	4.95	
For 48" Radius, Add	6.51	
26 05 33 13-1567 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	53.06	6.41
For 24" Radius, Add	3.58	
For 36" Radius, Add	5.31	
For 48" Radius, Add	7.03	
26 05 33 13-1568 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	62.17	8.01
For 24" Radius, Add	4.16	
For 36" Radius, Add	6.22	
For 48" Radius, Add	8.27	
26 05 33 13-1569 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	74.47	9.62
For 24" Radius, Add	4.98	
For 36" Radius, Add	7.45	
For 48" Radius, Add	9.91	
26 05 33 13-1570 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	88.58	11.22
For 24" Radius, Add	5.94	
For 36" Radius, Add	8.86	
For 48" Radius, Add	11.77	
26 05 33 13-1571 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	102.15	13.63
For 24" Radius, Add	6.81	
For 36" Radius, Add	10.22	
For 48" Radius, Add	13.62	
26 05 33 13-1572 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	115.71	16.04
For 24" Radius, Add	7.68	
For 36" Radius, Add	11.57	
For 48" Radius, Add	15.47	
26 05 33 13-1573 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	144.66	20.04
For 24" Radius, Add	9.60	
For 36" Radius, Add	14.47	
For 48" Radius, Add	19.34	
26 05 33 13-1574 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	178.32	24.05
For 24" Radius, Add	11.87	
For 36" Radius, Add	17.83	
For 48" Radius, Add	23.79	
26 05 33 13-1575 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1548)</small>		
26 05 33 13-1576 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	34.33	3.21
For 24" Radius, Add	2.37	
For 36" Radius, Add	3.43	
For 48" Radius, Add	4.49	
26 05 33 13-1577 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	38.29	3.53
For 24" Radius, Add	2.65	
For 36" Radius, Add	3.83	
For 48" Radius, Add	5.01	
26 05 33 13-1578 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	39.79	4.01
For 24" Radius, Add	2.73	
For 36" Radius, Add	3.98	
For 48" Radius, Add	5.22	
26 05 33 13-1579 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	42.89	5.14
For 24" Radius, Add	2.90	
For 36" Radius, Add	4.29	
For 48" Radius, Add	5.68	
26 05 33 13-1580 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	46.40	6.41
For 24" Radius, Add	3.08	
For 36" Radius, Add	4.64	
For 48" Radius, Add	6.20	

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1581	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	54.58 3.59 5.46 7.32	8.01
26 05 33 13-1582	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	65.40 4.30 6.54 8.78	9.62
26 05 33 13-1583	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	77.68 5.12 7.77 10.41	11.22
26 05 33 13-1584	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	89.90 5.89 8.99 12.09	13.63
26 05 33 13-1585	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	102.10 6.66 10.21 13.76	16.04
26 05 33 13-1586	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	127.64 8.32 12.76 17.21	20.04
26 05 33 13-1587	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	157.04 10.27 15.70 21.13	24.05
26 05 33 13-1588 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1548)</small>					
26 05 33 13-1589	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	31.93 2.21 3.19 4.17	2.89
26 05 33 13-1590	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	35.60 2.47 3.56 4.65	3.18
26 05 33 13-1591	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	36.97 2.55 3.70 4.85	3.61
26 05 33 13-1592	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	39.78 2.69 3.98 5.26	4.61
26 05 33 13-1593	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	42.94 2.86 4.29 5.73	5.77
26 05 33 13-1594	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	50.48 3.34 5.05 6.76	7.21
26 05 33 13-1595	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	60.47 3.99 6.05 8.10	8.66
26 05 33 13-1596	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	71.85 4.76 7.19 9.61	10.10
26 05 33 13-1597	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	83.07 5.46 8.31 11.15	12.27
26 05 33 13-1598	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	94.32 6.17 9.43 12.69	14.43
26 05 33 13-1599	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	117.90 7.72 11.79 15.87	18.04
26 05 33 13-1600	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	145.12 9.53 14.51 19.49	21.65



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1601 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1548)</small>					
26 05 33 13-1602	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	30.32	2.89
			For 24" Radius, Add.....	2.09	
			For 36" Radius, Add.....	3.03	
			For 48" Radius, Add.....	3.97	
26 05 33 13-1603	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	33.81	3.18
			For 24" Radius, Add.....	2.34	
			For 36" Radius, Add.....	3.38	
			For 48" Radius, Add.....	4.42	
26 05 33 13-1604	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	35.16	3.61
			For 24" Radius, Add.....	2.41	
			For 36" Radius, Add.....	3.52	
			For 48" Radius, Add.....	4.62	
26 05 33 13-1605	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	37.94	4.61
			For 24" Radius, Add.....	2.56	
			For 36" Radius, Add.....	3.79	
			For 48" Radius, Add.....	5.03	
26 05 33 13-1606	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	41.09	5.77
			For 24" Radius, Add.....	2.72	
			For 36" Radius, Add.....	4.11	
			For 48" Radius, Add.....	5.50	
26 05 33 13-1607	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	48.37	7.21
			For 24" Radius, Add.....	3.18	
			For 36" Radius, Add.....	4.84	
			For 48" Radius, Add.....	6.50	
26 05 33 13-1608	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	57.95	8.66
			For 24" Radius, Add.....	3.81	
			For 36" Radius, Add.....	5.80	
			For 48" Radius, Add.....	7.79	
26 05 33 13-1609	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	68.82	10.10
			For 24" Radius, Add.....	4.53	
			For 36" Radius, Add.....	6.88	
			For 48" Radius, Add.....	9.23	
26 05 33 13-1610	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	79.67	12.27
			For 24" Radius, Add.....	5.21	
			For 36" Radius, Add.....	7.97	
			For 48" Radius, Add.....	10.73	
26 05 33 13-1611	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	90.54	14.43
			For 24" Radius, Add.....	5.89	
			For 36" Radius, Add.....	9.05	
			For 48" Radius, Add.....	12.22	
26 05 33 13-1612	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	113.17	18.04
			For 24" Radius, Add.....	7.36	
			For 36" Radius, Add.....	11.32	
			For 48" Radius, Add.....	15.27	
26 05 33 13-1613	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	139.21	21.65
			For 24" Radius, Add.....	9.09	
			For 36" Radius, Add.....	13.92	
			For 48" Radius, Add.....	18.75	
26 05 33 13-1614 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-1548)</small>					
26 05 33 13-1615	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	18.91	2.25
26 05 33 13-1616	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	21.22	2.57
26 05 33 13-1617	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	22.17	2.89
26 05 33 13-1618	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	23.10	3.21
26 05 33 13-1619	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	25.41	4.01
26 05 33 13-1620	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	30.36	4.81
26 05 33 13-1621	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	38.10	6.41
26 05 33 13-1622	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	46.51	8.01
26 05 33 13-1623	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	55.84	10.42
26 05 33 13-1624	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	65.16	12.83
26 05 33 13-1625	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	81.44	16.04
26 05 33 13-1626	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	101.80	20.04
26 05 33 13-1627 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-1548)</small>					
26 05 33 13-1628	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	13.12	2.25
26 05 33 13-1629	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	14.74	2.57
26 05 33 13-1630	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	15.63	2.89
26 05 33 13-1631	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	16.52	3.21
26 05 33 13-1632	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	18.62	4.01



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1633	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	20.68	4.81
26 05 33 13-1634	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	26.41	6.41
26 05 33 13-1635	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	32.49	8.01
26 05 33 13-1636	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	40.07	10.42
26 05 33 13-1637	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	47.64	12.83
26 05 33 13-1638	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	59.56	16.04
26 05 33 13-1639	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	74.45	20.04

26 05 33 13-1640 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-1548)

26 05 33 13-1641	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	14.94	1.85
26 05 33 13-1642	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	16.77	2.57
26 05 33 13-1643	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	17.68	2.89
26 05 33 13-1644	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	18.55	3.21
26 05 33 13-1645	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	20.80	4.01
26 05 33 13-1646	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	24.86	4.81
26 05 33 13-1647	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	31.43	6.41
26 05 33 13-1648	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	38.51	8.01
26 05 33 13-1649	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	46.83	10.42
26 05 33 13-1650	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	55.15	12.83
26 05 33 13-1651	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	68.92	16.04
26 05 33 13-1652	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	86.18	20.04

26 05 33 13-1653 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints (26 05 33 13-1548)

26 05 33 13-1654	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	30.31	8.01
26 05 33 13-1655	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	35.45	9.62
26 05 33 13-1656	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	39.59	11.22
26 05 33 13-1657	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	43.67	12.83
26 05 33 13-1658	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	47.94	14.43
26 05 33 13-1659	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	54.20	16.04
26 05 33 13-1660	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	63.04	18.44
26 05 33 13-1661	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	72.44	20.84
26 05 33 13-1662	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	83.01	24.05
26 05 33 13-1663	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	95.57	28.07
26 05 33 13-1664	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	111.95	32.07
26 05 33 13-1665	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	129.91	36.08

26 05 33 13-1666 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints (26 05 33 13-1548)

26 05 33 13-1667	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	34.48	8.01
26 05 33 13-1668	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	40.12	9.62
26 05 33 13-1669	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	44.29	11.22
26 05 33 13-1670	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	48.42	12.83
26 05 33 13-1671	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	52.73	14.43
26 05 33 13-1672	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	59.67	16.04
26 05 33 13-1673	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	69.61	18.44
26 05 33 13-1674	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	80.32	20.84
26 05 33 13-1675	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	91.88	24.05
26 05 33 13-1676	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	105.43	28.07
26 05 33 13-1677	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	124.30	32.07
26 05 33 13-1678	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	145.35	36.08

26 05 33 13-1679 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters (26 05 33 13-1548)

26 05 33 13-1680	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	39.97	2.25
26 05 33 13-1681	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	44.57	2.57
26 05 33 13-1682	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	46.54	2.89
26 05 33 13-1683	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	48.56	3.21
26 05 33 13-1684	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	51.20	4.01
26 05 33 13-1685	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	57.13	4.81
26 05 33 13-1686	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	70.17	6.41
26 05 33 13-1687	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	84.96	8.01
26 05 33 13-1688	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	99.10	10.42
26 05 33 13-1689	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	113.22	12.83
26 05 33 13-1690	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	141.55	16.04
26 05 33 13-1691	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	176.17	20.04

26 05 33 13-1692 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints (26 05 33 13-1548)

26 05 33 13-1693	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	41.74	8.01
26 05 33 13-1694	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	48.16	9.62
26 05 33 13-1695	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	57.86	11.22
26 05 33 13-1696	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	72.23	12.83
26 05 33 13-1697	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	91.14	14.43
26 05 33 13-1698	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	121.68	16.04
26 05 33 13-1699	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	174.50	18.44
26 05 33 13-1700	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	211.33	20.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1701 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	255.95	24.05
26 05 33 13-1702 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	302.56	28.07
26 05 33 13-1703 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	356.24	32.07
26 05 33 13-1704 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	558.86	36.08
26 05 33 13-1705 Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover (26 05 33 13-1548)		
26 05 33 13-1706 EA 1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	35.25	6.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.81	
26 05 33 13-1707 EA 3/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	40.95	7.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.41	
26 05 33 13-1708 EA 1" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	54.96	8.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.01	
26 05 33 13-1709 EA 1-1/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	67.19	9.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 33 13-1710 EA 1-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	85.53	12.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.02	
26 05 33 13-1711 EA 2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	118.26	14.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.82	
26 05 33 13-1712 EA 2-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	196.17	16.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.63	
26 05 33 13-1713 EA 3" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	253.55	19.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 05 33 13-1714 EA 3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	305.22	22.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 05 33 13-1715 EA 4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	356.89	25.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.24	
26 05 33 13-1716 EA 5" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	421.41	28.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.65	
26 05 33 13-1717 EA 6" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	478.22	32.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.05	
26 05 33 13-1718 Explosion Proof Conduit Fittings (26 05 33 13-0041)		
Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1719 Explosion Proof Malleable Iron Conduit Unions (26 05 33 13-1718)		
26 05 33 13-1720 EA 1/2" Explosion Proof Malleable Iron Conduit Union.....	25.08	3.88
26 05 33 13-1721 EA 3/4" Explosion Proof Malleable Iron Conduit Union.....	31.89	4.30
26 05 33 13-1722 EA 1" Explosion Proof Malleable Iron Conduit Union.....	52.70	5.74
26 05 33 13-1723 EA 1-1/4" Explosion Proof Malleable Iron Conduit Union.....	72.17	6.35
26 05 33 13-1724 EA 1-1/2" Explosion Proof Malleable Iron Conduit Union.....	91.22	7.78
26 05 33 13-1725 EA 2" Explosion Proof Malleable Iron Conduit Union.....	114.97	9.01
26 05 33 13-1726 EA 2-1/2" Explosion Proof Malleable Iron Conduit Union.....	176.56	12.86
26 05 33 13-1727 EA 3" Explosion Proof Malleable Iron Conduit Union.....	226.41	15.32
26 05 33 13-1728 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union.....	394.48	18.38
26 05 33 13-1729 EA 4" Explosion Proof Malleable Iron Conduit Union.....	410.63	23.48
26 05 33 13-1730 Explosion Proof Malleable Iron Conduit Bodies (26 05 33 13-1718)		
26 05 33 13-1731 EA 1/2" Explosion Proof Malleable Iron Two Hub Conduit Body.....	91.72	12.28
26 05 33 13-1732 EA 3/4" Explosion Proof Malleable Iron Two Hub Conduit Body.....	103.24	13.92
26 05 33 13-1733 EA 1" Explosion Proof Malleable Iron Two Hub Conduit Body.....	122.77	15.36
26 05 33 13-1734 EA 1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	100.56	15.36
26 05 33 13-1735 EA 3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	119.55	18.43
26 05 33 13-1736 EA 1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	142.89	21.08
26 05 33 13-1737 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical (26 05 33 13-1718)		
Note: Includes sealing gasket and lock nut.		
26 05 33 13-1738 EA 1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	75.72	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.68	
26 05 33 13-1739 EA 3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	75.39	11.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.60	
26 05 33 13-1740 EA 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	82.35	12.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.37	
26 05 33 13-1741 EA 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	107.21	15.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.51	
26 05 33 13-1742 EA 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	140.00	18.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51	
26 05 33 13-1743 EA 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	185.23	20.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.35	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1744	EA		2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	260.67 22.97	30.62
26 05 33 13-1745	EA		3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	330.10 28.79	38.38
26 05 33 13-1746	EA		3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	489.92 31.70	42.26
26 05 33 13-1747	EA		4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	649.23 34.45	45.94
26 05 33 13-1748			Explosion Proof Flexible Conduit Couplings (26 05 33 13-1718)		
26 05 33 13-1749	EA		1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	247.99	4.71
26 05 33 13-1750	EA		3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	326.12	5.32
26 05 33 13-1751			Conduit Installed Below Grade (26 05 33 13-0040) Note: By direct burial In trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.		
26 05 33 13-1752			Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial (26 05 33 13-1751)		
26 05 33 13-1753			Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial (26 05 33 13-1752) Note: Includes field bend conduit up to 1".		
26 05 33 13-1754	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	1.47 0.11 0.19	
26 05 33 13-1755	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	1.63 0.13 0.22	
26 05 33 13-1756	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	1.85 0.16 0.27	
26 05 33 13-1757	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	2.06 0.20 0.32	
26 05 33 13-1758	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	2.27 0.23 0.37	
26 05 33 13-1759	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	2.54 0.27 0.44	
26 05 33 13-1760	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.08 0.39 0.60	
26 05 33 13-1761	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.40 0.45 0.69	
26 05 33 13-1762	LF		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.89 0.55 0.83	
26 05 33 13-1763	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.17 0.60 0.91	
26 05 33 13-1764	LF		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.15 0.83 1.23	
26 05 33 13-1765	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.16 1.06 1.55	
26 05 33 13-1766			Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial (26 05 33 13-1752) See CSI section 26 05 33 13-2208 for conduit field bending.		
26 05 33 13-1767	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	10.57 0.64 1.19	
26 05 33 13-1768	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	12.66 0.76 1.42	
26 05 33 13-1769	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	15.04 0.95 1.76	
26 05 33 13-1770	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	17.51 1.17 2.12	
26 05 33 13-1771	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	20.03 1.40 2.50	
26 05 33 13-1772	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	22.70 1.67 2.94	
26 05 33 13-1773	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	27.04 2.35 3.95	
26 05 33 13-1774	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	32.44 3.30 5.34	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1775	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	39.86 4.35 6.93	
26 05 33	13-1776	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	47.26 5.40 8.52	
26 05 33	13-1777	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	62.34 8.37 12.80	
26 05 33	13-1778	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	73.60 10.38 15.74	
26 05 33	13-1779		Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial <small>(26 05 33 13-1752)</small> See CSI section 26 05 33 13-2208 for conduit field bending.		
26 05 33	13-1780	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	10.46 0.61 1.16	
26 05 33	13-1781	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	12.62 0.75 1.41	
26 05 33	13-1782	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	14.98 0.94 1.74	
26 05 33	13-1783	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	17.34 1.13 2.06	
26 05 33	13-1784	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	19.64 1.30 2.36	
26 05 33	13-1785	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	22.49 1.61 2.86	
26 05 33	13-1786	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	26.64 2.25 3.81	
26 05 33	13-1787	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	31.93 3.17 5.16	
26 05 33	13-1788	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	38.45 4.00 6.44	
26 05 33	13-1789	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	46.05 5.10 8.10	
26 05 33	13-1790	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	60.76 7.97 12.25	
26 05 33	13-1791	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	68.91 9.21 14.10	
26 05 33	13-1792		Polyvinyl Chloride (PVC) Conduit Adapters, Direct Burial <small>(26 05 33 13-1752)</small>		
26 05 33	13-1793	EA	1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.87 1.69	
26 05 33	13-1794	EA	3/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74 1.92	
26 05 33	13-1795	EA	1" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67 2.16	
26 05 33	13-1796	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.64 2.40	
26 05 33	13-1797	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.48 2.65	
26 05 33	13-1798	EA	2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.52 2.89	
26 05 33	13-1799	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.64 3.25	
26 05 33	13-1800	EA	3" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.56 3.61	
26 05 33	13-1801	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.27 4.21	
26 05 33	13-1802	EA	4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.36 4.81	
26 05 33	13-1803	EA	5" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.59 5.41	
26 05 33	13-1804	EA	6" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.91 6.01	
26 05 33	13-1805		Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial <small>(26 05 33 13-1752)</small>		
26 05 33	13-1806	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	11.44	
26 05 33	13-1807	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	12.63	
26 05 33	13-1808	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	14.52	
26 05 33	13-1809	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	16.18	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1810	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	17.83	
26 05 33 13-1811	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	21.16	
26 05 33 13-1812	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	23.17	
26 05 33 13-1813	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	28.67	
26 05 33 13-1814	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	32.03	
26 05 33 13-1815		Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial <small>(26 05 33 13-1752)</small>		
26 05 33 13-1816	EA	1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	5.83	
26 05 33 13-1817	EA	3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	6.74	
26 05 33 13-1818	EA	1" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	7.61	
26 05 33 13-1819	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	8.53	
26 05 33 13-1820	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	9.39	
26 05 33 13-1821	EA	2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	10.39	
26 05 33 13-1822	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	12.37	
26 05 33 13-1823	EA	3" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	14.19	
26 05 33 13-1824	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	16.79	
26 05 33 13-1825	EA	4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	18.87	
26 05 33 13-1826	EA	5" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	23.62	
26 05 33 13-1827	EA	6" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	26.74	
26 05 33 13-1828		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1751)</small>		
		Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1829		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1828)</small>		
		Note: Includes field bending for conduit up to 1".		
26 05 33 13-1830	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	8.26	0.98
		For >250 To 500, Deduct	-0.35	
		For >500 To 1,000, Deduct	-0.56	
		For >1,000, Deduct	-0.76	
26 05 33 13-1831	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	9.39	1.22
		For >250 To 500, Deduct	-0.40	
		For >500 To 1,000, Deduct	-0.63	
		For >1,000, Deduct	-0.87	
26 05 33 13-1832	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	11.79	1.36
		For >250 To 500, Deduct	-0.51	
		For >500 To 1,000, Deduct	-0.80	
		For >1,000, Deduct	-1.10	
26 05 33 13-1833	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	14.55	1.82
		For >250 To 500, Deduct	-0.63	
		For >500 To 1,000, Deduct	-1.00	
		For >1,000, Deduct	-1.36	
26 05 33 13-1834	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	17.35	2.05
		For >250 To 500, Deduct	-0.76	
		For >500 To 1,000, Deduct	-1.20	
		For >1,000, Deduct	-1.63	
26 05 33 13-1835	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	22.26	2.24
		For >250 To 500, Deduct	-0.98	
		For >500 To 1,000, Deduct	-1.54	
		For >1,000, Deduct	-2.10	
26 05 33 13-1836	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	32.98	3.36
		For >250 To 500, Deduct	-1.47	
		For >500 To 1,000, Deduct	-2.30	
		For >1,000, Deduct	-3.12	
26 05 33 13-1837	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	42.08	4.20
		For >250 To 500, Deduct	-1.87	
		For >500 To 1,000, Deduct	-2.92	
		For >1,000, Deduct	-3.97	
26 05 33 13-1838	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	51.74	4.43
		For >250 To 500, Deduct	-2.30	
		For >500 To 1,000, Deduct	-3.59	
		For >1,000, Deduct	-4.88	
26 05 33 13-1839	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	61.24	4.90
		For >250 To 500, Deduct	-2.71	
		For >500 To 1,000, Deduct	-4.24	
		For >1,000, Deduct	-5.77	
26 05 33 13-1840	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	101.44	6.77
		For >250 To 500, Deduct	-4.63	
		For >500 To 1,000, Deduct	-7.16	
		For >1,000, Deduct	-9.70	
26 05 33 13-1841	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	137.10	8.87
		For >250 To 500, Deduct	-6.30	
		For >500 To 1,000, Deduct	-9.72	
		For >1,000, Deduct	-13.15	
26 05 33 13-1842		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-1828)</small>		
26 05 33 13-1843	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	8.80	1.40
26 05 33 13-1844	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	10.03	1.87
26 05 33 13-1845	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	12.83	2.33
26 05 33 13-1846	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	14.66	2.57
26 05 33 13-1847	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	17.39	3.03



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1848	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	23.57	3.49
26 05 33 13-1849	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	49.42	4.20
26 05 33 13-1850	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	61.48	5.83
26 05 33 13-1851	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	77.45	6.77
26 05 33 13-1852	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	93.39	9.33
26 05 33 13-1853	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	269.14	12.83
26 05 33 13-1854	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	286.45	7.23
26 05 33 13-1855		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-1828)</small>		
		Note: 90, 45, or 30 degree.		
26 05 33 13-1856	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	32.71	5.83
26 05 33 13-1857	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	36.30	7.23
26 05 33 13-1858	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	42.78	8.87
26 05 33 13-1859	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	51.33	10.26
26 05 33 13-1860	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	61.16	11.67
26 05 33 13-1861	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	78.47	12.83
26 05 33 13-1862	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	131.67	16.10
26 05 33 13-1863	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	202.82	21.93
26 05 33 13-1864	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	258.05	24.73
26 05 33 13-1865	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	284.88	32.19
26 05 33 13-1866	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	636.33	52.50
26 05 33 13-1867	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,011.80	78.86
26 05 33 13-1868		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1828)</small>		
26 05 33 13-1869	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	92.38	8.87
26 05 33 13-1870	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	103.11	10.26
26 05 33 13-1871	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	117.85	11.67
26 05 33 13-1872	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	143.88	12.83
26 05 33 13-1873	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	205.71	16.10
26 05 33 13-1874		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1828)</small>		
26 05 33 13-1875	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	105.79	8.87
26 05 33 13-1876	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	125.27	10.26
26 05 33 13-1877	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	133.74	11.67
26 05 33 13-1878	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	178.53	12.83
26 05 33 13-1879	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	239.12	16.10
26 05 33 13-1880	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	301.91	21.93
26 05 33 13-1881		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1828)</small>		
26 05 33 13-1882	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	121.83	8.87
26 05 33 13-1883	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	136.81	10.26
26 05 33 13-1884	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	154.13	11.67
26 05 33 13-1885	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	190.03	12.83
26 05 33 13-1886	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	277.51	16.10
26 05 33 13-1887	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	346.99	21.93
26 05 33 13-1888	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	446.83	24.73
26 05 33 13-1889	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	490.54	32.19

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1890		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1828)</small>			
26 05 33 13-1891	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	149.53	8.87	
26 05 33 13-1892	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	163.90	10.26	
26 05 33 13-1893	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	184.89	11.67	
26 05 33 13-1894	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	234.32	12.83	
26 05 33 13-1895	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	346.23	16.10	
26 05 33 13-1896	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	423.36	21.93	
26 05 33 13-1897	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	493.46	24.73	
26 05 33 13-1898	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	576.15	32.19	
26 05 33 13-1899		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1828)</small>			
26 05 33 13-1900	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	171.08	8.87	
26 05 33 13-1901	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	189.12	10.26	
26 05 33 13-1902	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	215.17	11.67	
26 05 33 13-1903	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	272.89	12.83	
26 05 33 13-1904	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	383.72	16.10	
26 05 33 13-1905	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	484.45	21.93	
26 05 33 13-1906	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	606.84	24.73	
26 05 33 13-1907	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	654.73	32.19	
26 05 33 13-1908	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,095.09	52.50	
26 05 33 13-1909		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1828)</small>			
26 05 33 13-1910	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	199.27	8.87	
26 05 33 13-1911	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	219.60	10.26	
26 05 33 13-1912	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	248.36	11.67	
26 05 33 13-1913	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	315.65	12.83	
26 05 33 13-1914	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	446.19	16.10	
26 05 33 13-1915	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	562.27	21.93	
26 05 33 13-1916	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	663.65	24.73	
26 05 33 13-1917	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	756.18	32.19	
26 05 33 13-1918	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,166.19	52.50	
26 05 33 13-1919	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,573.58	78.86	
26 05 33 13-1920		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1828)</small>			
26 05 33 13-1921	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	238.51	8.87	
26 05 33 13-1922	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	246.76	10.26	
26 05 33 13-1923	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	292.78	11.67	
26 05 33 13-1924	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	375.18	12.83	
26 05 33 13-1925	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	530.44	16.10	
26 05 33 13-1926	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	667.20	21.93	
26 05 33 13-1927	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	821.59	24.73	
26 05 33 13-1928	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	953.53	32.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1929 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,398.10	52.50
26 05 33 13-1930 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,680.04	78.86
26 05 33 13-1931 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial (26 05 33 13-1828)		
26 05 33 13-1932 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	247.96	8.87
26 05 33 13-1933 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	292.71	10.26
26 05 33 13-1934 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	331.20	11.67
26 05 33 13-1935 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	393.09	12.83
26 05 33 13-1936 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	551.48	16.10
26 05 33 13-1937 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	699.47	21.93
26 05 33 13-1938 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	907.61	24.73
26 05 33 13-1939 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	998.29	32.19
26 05 33 13-1940 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,460.40	52.50
26 05 33 13-1941 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,734.13	78.86
26 05 33 13-1942 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial (26 05 33 13-1828)		
26 05 33 13-1943 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	74.39	5.83
26 05 33 13-1944 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	78.32	7.23
26 05 33 13-1945 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	103.33	8.87
26 05 33 13-1946 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	158.31	10.26
26 05 33 13-1947 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	189.51	11.67
26 05 33 13-1948 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	247.13	12.83
26 05 33 13-1949 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	332.01	16.10
26 05 33 13-1950 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	445.54	16.10
26 05 33 13-1951 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	562.20	24.73
26 05 33 13-1952 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	722.74	32.19
26 05 33 13-1953 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,335.53	52.50
26 05 33 13-1954 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,623.28	78.86
26 05 33 13-1955 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial (26 05 33 13-1828)		
26 05 33 13-1956 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	76.50	5.83
26 05 33 13-1957 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	86.38	7.23
26 05 33 13-1958 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	107.64	8.87
26 05 33 13-1959 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	166.21	10.26
26 05 33 13-1960 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	200.47	11.67
26 05 33 13-1961 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	270.80	12.83
26 05 33 13-1962 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	382.65	16.10
26 05 33 13-1963 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	497.03	16.10
26 05 33 13-1964 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	655.29	24.73
26 05 33 13-1965 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	815.49	32.19
26 05 33 13-1966 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,505.55	52.50
26 05 33 13-1967 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,897.80	78.86


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1968 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1928)</small>			
26 05 33 13-1969	EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	23.39	2.80
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.68	
26 05 33 13-1970	EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	25.13	3.49
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-1971	EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.99	4.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-1972	EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.78	5.13
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-1973	EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.96	5.83
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-1974	EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.14	3.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.82	
26 05 33 13-1975	EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.56	3.49
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-1976	EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.45	4.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-1977	EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.38	5.13
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-1978	EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.76	5.83
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-1979	EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.37	6.54
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-1980	EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.31	3.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.82	
26 05 33 13-1981	EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.73	3.49
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-1982	EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.76	4.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-1983	EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.72	5.13
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-1984	EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.10	5.83
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-1985	EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.24	6.54
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-1986	EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.62	3.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.82	
26 05 33 13-1987	EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.04	3.49
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-1988	EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.24	4.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-1989	EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.13	5.13
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-1990	EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.66	5.83
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-1991	EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.96	6.54
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-1992	EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.51	7.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.76	
26 05 33 13-1993	EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	83.89	10.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-1994	EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.79	3.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.82	
26 05 33 13-1995	EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.35	3.49
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-1996	EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.58	4.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1997	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.54	5.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08		
26 05 33 13-1998	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.21	5.83	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50		
26 05 33 13-1999	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.69	6.54	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92		
26 05 33 13-2000	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.91	7.93	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.76		
26 05 33 13-2001	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	89.07	10.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58		
26 05 33 13-2002	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	108.46	12.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.42		
26 05 33 13-2003	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	121.78	16.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66		
26 05 33 13-2004	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.11	3.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.82		
26 05 33 13-2005	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.69	3.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10		
26 05 33 13-2006	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.95	4.43	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66		
26 05 33 13-2007	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.20	5.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08		
26 05 33 13-2008	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.89	5.83	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50		
26 05 33 13-2009	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.17	6.54	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92		
26 05 33 13-2010	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	78.49	7.93	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.76		
26 05 33 13-2011	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	96.82	10.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58		
26 05 33 13-2012	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	110.12	12.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.42		
26 05 33 13-2013	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	126.20	16.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66		
26 05 33 13-2014	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	190.55	22.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.30		
26 05 33 13-2015	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.71	3.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.82		
26 05 33 13-2016	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.30	3.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10		
26 05 33 13-2017	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.60	4.43	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66		
26 05 33 13-2018	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.41	5.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08		
26 05 33 13-2019	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.35	5.83	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50		
26 05 33 13-2020	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.65	6.54	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92		
26 05 33 13-2021	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	88.21	7.93	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.76		
26 05 33 13-2022	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	107.12	10.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58		
26 05 33 13-2023	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	119.40	12.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.42		
26 05 33 13-2024	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	141.85	16.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66		
26 05 33 13-2025	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	213.95	22.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.30		
26 05 33 13-2026	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.66	3.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.82		

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-2027	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.22	3.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-2028	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.06	4.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-2029	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.73	5.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-2030	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.32	5.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-2031	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.89	6.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-2032	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	100.16	7.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.76	
26 05 33 13-2033	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	121.21	10.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-2034	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	142.63	12.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.42	
26 05 33 13-2035	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	165.35	16.10
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66	
26 05 33 13-2036	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	229.99	22.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.30	
26 05 33 13-2037	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.66	3.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.82	
26 05 33 13-2038	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.19	3.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-2039	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.49	4.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-2040	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.10	5.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-2041	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.36	5.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-2042	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.53	6.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-2043	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	112.80	7.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.76	
26 05 33 13-2044	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	139.27	10.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-2045	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	167.02	12.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.42	
26 05 33 13-2046	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	206.46	16.10
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66	
26 05 33 13-2047	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	261.99	22.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.30	
26 05 33 13-2048	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.68	3.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.82	
26 05 33 13-2049	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.34	3.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-2050	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.14	4.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-2051	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.29	5.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-2052	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.89	5.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-2053	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	77.09	6.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-2054	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	129.66	7.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.76	
26 05 33 13-2055	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	166.34	10.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.58	
26 05 33 13-2056	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	181.99	12.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2057 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	219.07 9.66	16.10
26 05 33 13-2058 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	266.56 13.30	22.16
26 05 33 13-2059 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1751)</small> Note: Direct burial or encased application.		
26 05 33 13-2060 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-2059)</small>		
26 05 33 13-2061 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial <i>For Work In Restricted Working Space, Add</i>	3.03 0.39	0.52
26 05 33 13-2062 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial <i>For Work In Restricted Working Space, Add</i>	3.35 0.42	0.56
26 05 33 13-2063 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial <i>For Work In Restricted Working Space, Add</i>	3.57 0.45	0.60
26 05 33 13-2064 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial <i>For Work In Restricted Working Space, Add</i>	3.78 0.48	0.64
26 05 33 13-2065 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial <i>For Work In Restricted Working Space, Add</i>	4.07 0.51	0.68
26 05 33 13-2066 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial <i>For Work In Restricted Working Space, Add</i>	4.23 0.54	0.72
26 05 33 13-2067 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial <i>For Work In Restricted Working Space, Add</i>	4.81 0.57	0.76
26 05 33 13-2068 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial <i>For Work In Restricted Working Space, Add</i>	5.49 0.60	0.80
26 05 33 13-2069 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial <i>For Work In Restricted Working Space, Add</i>	6.02 0.63	0.84
26 05 33 13-2070 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial <i>For Work In Restricted Working Space, Add</i>	6.56 0.66	0.88
26 05 33 13-2071 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial <i>For Work In Restricted Working Space, Add</i>	7.74 0.69	0.92
26 05 33 13-2072 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial <i>For Work In Restricted Working Space, Add</i>	9.20 0.72	0.96
26 05 33 13-2073 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-2059)</small>		
26 05 33 13-2074 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	42.12 3.01 2.91 4.21 5.52	4.01
26 05 33 13-2075 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	47.97 3.61 3.30 4.80 6.30	4.81
26 05 33 13-2076 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	50.33 4.21 3.42 5.03 6.64	5.62
26 05 33 13-2077 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	52.70 4.81 3.55 5.27 6.99	6.41
26 05 33 13-2078 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	55.06 5.41 3.68 5.51 7.33	7.21
26 05 33 13-2079 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	62.17 6.01 4.16 6.22 8.27	8.01
26 05 33 13-2080 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	72.47 6.62 4.88 7.25 9.61	8.82
26 05 33 13-2081 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	84.56 7.22 5.74 8.46 11.17	9.62

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-2082	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	96.14	11.22
		<i>For Work In Restricted Working Space, Add</i>	8.42	
		<i>For 24" Radius, Add</i>	6.51	
		<i>For 36" Radius, Add</i>	9.61	
		<i>For 48" Radius, Add</i>	12.72	
26 05 33 13-2083	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	107.70	14.43
		<i>For Work In Restricted Working Space, Add</i>	9.62	
		<i>For 24" Radius, Add</i>	7.28	
		<i>For 36" Radius, Add</i>	10.77	
		<i>For 48" Radius, Add</i>	14.26	
26 05 33 13-2084	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	130.62	14.43
		<i>For Work In Restricted Working Space, Add</i>	10.82	
		<i>For 24" Radius, Add</i>	8.89	
		<i>For 36" Radius, Add</i>	13.06	
		<i>For 48" Radius, Add</i>	17.23	
26 05 33 13-2085	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	158.26	16.04
		<i>For Work In Restricted Working Space, Add</i>	12.02	
		<i>For 24" Radius, Add</i>	10.87	
		<i>For 36" Radius, Add</i>	15.83	
		<i>For 48" Radius, Add</i>	20.78	

26 05 33 13-2086 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings

26 05 33 13-2087	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	18.91	2.25
		<i>For Work In Restricted Working Space, Add</i>	1.69	
26 05 33 13-2088	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	21.22	2.57
		<i>For Work In Restricted Working Space, Add</i>	1.92	
26 05 33 13-2089	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	22.17	2.89
		<i>For Work In Restricted Working Space, Add</i>	2.16	
26 05 33 13-2090	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	23.10	3.21
		<i>For Work In Restricted Working Space, Add</i>	2.40	
26 05 33 13-2091	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	24.21	3.53
		<i>For Work In Restricted Working Space, Add</i>	2.65	
26 05 33 13-2092	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	27.95	3.85
		<i>For Work In Restricted Working Space, Add</i>	2.89	
26 05 33 13-2093	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	32.88	4.33
		<i>For Work In Restricted Working Space, Add</i>	3.25	
26 05 33 13-2094	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	38.50	4.81
		<i>For Work In Restricted Working Space, Add</i>	3.61	
26 05 33 13-2095	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	43.81	5.62
		<i>For Work In Restricted Working Space, Add</i>	4.21	
26 05 33 13-2096	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	49.13	6.41
		<i>For Work In Restricted Working Space, Add</i>	4.81	
26 05 33 13-2097	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	59.40	7.21
		<i>For Work In Restricted Working Space, Add</i>	5.41	
26 05 33 13-2098	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	71.72	8.01
		<i>For Work In Restricted Working Space, Add</i>	6.01	

26 05 33 13-2099 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings

26 05 33 13-2100	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	13.12	2.25
		<i>For Work In Restricted Working Space, Add</i>	1.69	
26 05 33 13-2101	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	14.74	2.57
		<i>For Work In Restricted Working Space, Add</i>	1.92	
26 05 33 13-2102	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	15.63	2.89
		<i>For Work In Restricted Working Space, Add</i>	2.16	
26 05 33 13-2103	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	16.52	3.21
		<i>For Work In Restricted Working Space, Add</i>	2.40	
26 05 33 13-2104	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	17.42	3.53
		<i>For Work In Restricted Working Space, Add</i>	2.65	
26 05 33 13-2105	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	18.27	3.85
		<i>For Work In Restricted Working Space, Add</i>	2.89	
26 05 33 13-2106	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	21.19	4.33
		<i>For Work In Restricted Working Space, Add</i>	3.25	
26 05 33 13-2107	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	24.48	4.81
		<i>For Work In Restricted Working Space, Add</i>	3.61	
26 05 33 13-2108	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	28.04	5.62
		<i>For Work In Restricted Working Space, Add</i>	4.21	
26 05 33 13-2109	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	31.61	6.41
		<i>For Work In Restricted Working Space, Add</i>	4.81	
26 05 33 13-2110	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	37.52	7.21
		<i>For Work In Restricted Working Space, Add</i>	5.41	
26 05 33 13-2111	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	44.37	8.01
		<i>For Work In Restricted Working Space, Add</i>	6.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2112 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-2059)</small>		
26 05 33 13-2113 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	12.53 0.96	1.28
26 05 33 13-2114 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	13.97 1.08	1.44
26 05 33 13-2115 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	14.48 1.20	1.60
26 05 33 13-2116 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	14.95 1.32	1.77
26 05 33 13-2117 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	15.59 1.44	1.93
26 05 33 13-2118 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	18.45 1.69	2.25
26 05 33 13-2119 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	22.20 2.04	2.73
26 05 33 13-2120 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	26.48 2.40	3.21
26 05 33 13-2121 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	30.79 3.01	4.01
26 05 33 13-2122 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	35.11 3.61	4.81
26 05 33 13-2123 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	42.87 4.21	5.62
26 05 33 13-2124 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	52.10 4.81	6.41
26 05 33 13-2125 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-2059)</small>		
26 05 33 13-2126 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	30.31 6.01	8.01
26 05 33 13-2127 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	35.45 7.22	9.62
26 05 33 13-2128 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	39.59 8.42	11.22
26 05 33 13-2129 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	43.67 9.62	12.83
26 05 33 13-2130 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	45.94 10.22	13.63
26 05 33 13-2131 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	50.20 10.82	14.43
26 05 33 13-2132 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	55.03 11.43	15.24
26 05 33 13-2133 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	60.41 12.02	16.04
26 05 33 13-2134 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	64.96 12.63	16.83
26 05 33 13-2135 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	69.51 13.23	17.63
26 05 33 13-2136 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	77.87 13.83	18.44
26 05 33 13-2137 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	87.82 14.43	19.24
26 05 33 13-2138 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-2059)</small>		
26 05 33 13-2139 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	34.48 6.01	8.01
26 05 33 13-2140 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	40.12 7.22	9.62
26 05 33 13-2141 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	44.29 8.42	11.22
26 05 33 13-2142 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	48.42 9.62	12.83
26 05 33 13-2143 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	50.73 10.22	13.63
26 05 33 13-2144 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	55.67 10.82	14.43
26 05 33 13-2145 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	61.60 11.43	15.24
26 05 33 13-2146 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	68.29 12.02	16.04
26 05 33 13-2147 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	73.83 12.63	16.83
26 05 33 13-2148 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	79.37 13.23	17.63
26 05 33 13-2149 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	90.22 13.83	18.44
26 05 33 13-2150 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	103.26 14.43	19.24
26 05 33 13-2151 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-2059)</small>		

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2152	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	39.97	2.25
			<i>For Work In Restricted Working Space, Add</i>	1.69	
26 05 33 13-2153	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	44.57	2.57
			<i>For Work In Restricted Working Space, Add</i>	1.92	
26 05 33 13-2154	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	46.54	2.89
			<i>For Work In Restricted Working Space, Add</i>	2.16	
26 05 33 13-2155	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	48.56	3.21
			<i>For Work In Restricted Working Space, Add</i>	2.40	
26 05 33 13-2156	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	50.00	3.53
			<i>For Work In Restricted Working Space, Add</i>	2.65	
26 05 33 13-2157	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	54.72	3.85
			<i>For Work In Restricted Working Space, Add</i>	2.89	
26 05 33 13-2158	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	64.95	4.33
			<i>For Work In Restricted Working Space, Add</i>	3.25	
26 05 33 13-2159	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	76.95	4.81
			<i>For Work In Restricted Working Space, Add</i>	3.61	
26 05 33 13-2160	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	97.19	6.41
			<i>For Work In Restricted Working Space, Add</i>	4.81	
26 05 33 13-2161	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	119.51	7.21
			<i>For Work In Restricted Working Space, Add</i>	5.41	
26 05 33 13-2162	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	146.09	8.01
			<i>For Work In Restricted Working Space, Add</i>	6.01	
26 05 33 13-2163 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-2059)</small>					
26 05 33 13-2164	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	41.74	8.01
			<i>For Work In Restricted Working Space, Add</i>	6.01	
26 05 33 13-2165	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	48.16	9.62
			<i>For Work In Restricted Working Space, Add</i>	7.22	
26 05 33 13-2166	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	57.86	11.22
			<i>For Work In Restricted Working Space, Add</i>	8.42	
26 05 33 13-2167	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	72.23	12.83
			<i>For Work In Restricted Working Space, Add</i>	9.62	
26 05 33 13-2168	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	89.14	13.63
			<i>For Work In Restricted Working Space, Add</i>	10.22	
26 05 33 13-2169	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	117.68	14.43
			<i>For Work In Restricted Working Space, Add</i>	10.82	
26 05 33 13-2170	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	166.49	15.24
			<i>For Work In Restricted Working Space, Add</i>	11.43	
26 05 33 13-2171	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	199.30	16.04
			<i>For Work In Restricted Working Space, Add</i>	12.02	
26 05 33 13-2172	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	237.90	16.83
			<i>For Work In Restricted Working Space, Add</i>	12.63	
26 05 33 13-2173	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	276.50	17.63
			<i>For Work In Restricted Working Space, Add</i>	13.23	
26 05 33 13-2174	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	322.16	18.44
			<i>For Work In Restricted Working Space, Add</i>	13.83	
26 05 33 13-2175	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	516.77	19.24
			<i>For Work In Restricted Working Space, Add</i>	14.43	
26 05 33 13-2176 Spacers <small>(26 05 33 13-1751)</small>					
Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1751 for conduit.					
26 05 33 13-2177	EA		1" Base Spacers, Average 4" Wide, Direct Burial	4.37	
26 05 33 13-2178	EA		1" Intermediate Spacers, Average 4" Wide, Direct Burial	4.69	
26 05 33 13-2179	EA		1-1/4" Base Spacer, Average 4" Wide, Direct Burial	5.19	
26 05 33 13-2180	EA		1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	5.57	
26 05 33 13-2181	EA		1-1/2" Base Spacer, Average 4" Wide, Direct Burial	5.25	
26 05 33 13-2182	EA		1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	5.61	
26 05 33 13-2183	EA		2" Base Spacer, Average 4" Wide, Direct Burial	6.48	
26 05 33 13-2184	EA		2" Intermediate Spacers, Average 4" Wide, Direct Burial	6.02	
26 05 33 13-2185	EA		2-1/2" Base Spacer, Average 4" Wide, Direct Burial	7.16	
26 05 33 13-2186	EA		2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	6.93	
26 05 33 13-2187	EA		3" Base Spacer, Average 4" Wide, Direct Burial	8.16	
26 05 33 13-2188	EA		3" Intermediate Spacers, Average 4" Wide, Direct Burial	7.81	
26 05 33 13-2189	EA		3-1/2" Base Spacer, Average 4" Wide, Direct Burial	8.84	
26 05 33 13-2190	EA		3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	8.46	
26 05 33 13-2191	EA		4" Base Spacer, Average 4" Wide, Direct Burial	9.13	
26 05 33 13-2192	EA		4" Intermediate Spacers, Average 4" Wide, Direct Burial	8.70	
26 05 33 13-2193	EA		5" Base Spacer, Average 4" Wide, Direct Burial	10.10	
26 05 33 13-2194	EA		5" Intermediate Spacers, Average 4" Wide, Direct Burial	9.61	
26 05 33 13-2195	EA		6" Base Spacer, Average 4" Wide, Direct Burial	11.51	
26 05 33 13-2196	EA		6" Intermediate Spacers, Average 4" Wide, Direct Burial	11.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2197 Conduit Field Bending (26 05 33 13-0040)		
26 05 33 13-2198 Metallic Conduit Field Bending (26 05 33 13-2197)		
Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.		
26 05 33 13-2199 EA 1-1/4" Metallic Conduit Field Bending.....	7.99	
26 05 33 13-2200 EA 1-1/2" Metallic Conduit Field Bending.....	10.65	
26 05 33 13-2201 EA 2" Metallic Conduit Field Bending.....	13.32	
26 05 33 13-2202 EA 2-1/2" Metallic Conduit Field Bending.....	18.65	
26 05 33 13-2203 EA 3" Metallic Conduit Field Bending.....	23.97	
26 05 33 13-2204 EA 3-1/2" Metallic Conduit Field Bending.....	29.30	
26 05 33 13-2205 EA 4" Metallic Conduit Field Bending.....	34.62	
26 05 33 13-2206 EA 5" Metallic Conduit Field Bending.....	42.61	
26 05 33 13-2207 EA 6" Metallic Conduit Field Bending.....	50.60	
26 05 33 13-2208 Plastic Conduit Field Bending (26 05 33 13-2197)		
Note: For PVC conduits.		
26 05 33 13-2209 EA 1" Plastic Conduit Field Bending.....	12.25	
26 05 33 13-2210 EA 1-1/4" Plastic Conduit Field Bending.....	13.32	
26 05 33 13-2211 EA 1-1/2" Plastic Conduit Field Bending.....	15.98	
26 05 33 13-2212 EA 2" Plastic Conduit Field Bending.....	21.31	
26 05 33 13-2213 EA 2-1/2" Plastic Conduit Field Bending.....	26.64	
26 05 33 13-2214 EA 3" Plastic Conduit Field Bending.....	31.95	
26 05 33 13-2215 EA 3-1/2" Plastic Conduit Field Bending.....	37.28	
26 05 33 13-2216 EA 4" Plastic Conduit Field Bending.....	42.61	
26 05 33 13-2217 EA 5" Plastic Conduit Field Bending.....	47.94	
26 05 33 13-2218 EA 6" Plastic Conduit Field Bending.....	53.26	
26 05 33 13-2219 Cut And Thread Existing In-Place Threaded Conduit (26 05 33 13-0040)		
Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2220 EA 1/2", Cut And Thread Existing In-Place Threaded Conduit.....	15.36	
<i>For Work In Restricted Working Space, Add</i>		
	4.61	
26 05 33 13-2221 EA 3/4", Cut And Thread Existing In-Place Threaded Conduit.....	16.89	
<i>For Work In Restricted Working Space, Add</i>		
	5.07	
26 05 33 13-2222 EA 1", Cut And Thread Existing In-Place Threaded Conduit.....	18.43	
<i>For Work In Restricted Working Space, Add</i>		
	5.53	
26 05 33 13-2223 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit.....	19.96	
<i>For Work In Restricted Working Space, Add</i>		
	5.99	
26 05 33 13-2224 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	20.98	
<i>For Work In Restricted Working Space, Add</i>		
	6.29	
26 05 33 13-2225 EA 2", Cut And Thread Existing In-Place Threaded Conduit.....	22.01	
<i>For Work In Restricted Working Space, Add</i>		
	6.60	
26 05 33 13-2226 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	23.03	
<i>For Work In Restricted Working Space, Add</i>		
	6.91	
26 05 33 13-2227 EA 3", Cut And Thread Existing In-Place Threaded Conduit.....	24.05	
<i>For Work In Restricted Working Space, Add</i>		
	7.22	
26 05 33 13-2228 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	24.56	
<i>For Work In Restricted Working Space, Add</i>		
	7.37	
26 05 33 13-2229 EA 4", Cut And Thread Existing In-Place Threaded Conduit.....	25.08	
<i>For Work In Restricted Working Space, Add</i>		
	7.52	
26 05 33 13-2230 EA 5", Cut And Thread Existing In-Place Threaded Conduit.....	26.09	
<i>For Work In Restricted Working Space, Add</i>		
	7.83	
26 05 33 13-2231 EA 6", Cut And Thread Existing In-Place Threaded Conduit.....	27.12	
<i>For Work In Restricted Working Space, Add</i>		
	8.14	
26 05 33 13-2232 Flexible Conduit (26 05 33 13-0040)		
26 05 33 13-2233 Flexible Liquid Tight Metallic Conduit And Connectors (26 05 33 13-2232)		
Note: Steel inner core with PVC cover.		
26 05 33 13-2234 Flexible Liquid Tight Metallic Conduit (26 05 33 13-2233)		
26 05 33 13-2235 LF 3/8" Flexible Liquid Tight Metallic Conduit.....	2.74	0.56
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.21	
<i>For Work In Restricted Working Space, Add</i>		
	0.42	
26 05 33 13-2236 LF 1/2" Flexible Liquid Tight Metallic Conduit.....	2.94	0.56
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.21	
<i>For Work In Restricted Working Space, Add</i>		
	0.42	
26 05 33 13-2237 LF 3/4" Flexible Liquid Tight Metallic Conduit.....	3.96	0.74
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.28	
<i>For Work In Restricted Working Space, Add</i>		
	0.56	
26 05 33 13-2238 LF 1" Flexible Liquid Tight Metallic Conduit.....	5.03	0.74
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.28	
<i>For Work In Restricted Working Space, Add</i>		
	0.56	
26 05 33 13-2239 LF 1-1/4" Flexible Liquid Tight Metallic Conduit.....	6.64	0.93
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.35	
<i>For Work In Restricted Working Space, Add</i>		
	0.70	
26 05 33 13-2240 LF 1-1/2" Flexible Liquid Tight Metallic Conduit.....	8.85	1.12
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.42	
<i>For Work In Restricted Working Space, Add</i>		
	0.84	
26 05 33 13-2241 LF 2" Flexible Liquid Tight Metallic Conduit.....	11.56	1.50
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.56	
<i>For Work In Restricted Working Space, Add</i>		
	1.12	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2242	LF		2-1/2" Flexible Liquid Tight Metallic Conduit	17.12	1.68
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.63	
			<i>For Work In Restricted Working Space, Add</i>	1.26	
26 05 33 13-2243	LF		3" Flexible Liquid Tight Metallic Conduit	26.86	2.05
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	1.54	
26 05 33 13-2244	LF		4" Flexible Liquid Tight Metallic Conduit	37.56	2.61
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.98	
			<i>For Work In Restricted Working Space, Add</i>	1.96	
26 05 33 13-2245			Straight Connector <small>(26 05 33 13-2233)</small>		
26 05 33 13-2246	EA		3/8" Straight Liquid Tight Connector	7.57	1.50
			<i>For Work In Restricted Working Space, Add</i>	1.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.12	
26 05 33 13-2247	EA		1/2" Straight Liquid Tight Connector	7.57	1.50
			<i>For Work In Restricted Working Space, Add</i>	1.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.12	
26 05 33 13-2248	EA		3/4" Straight Liquid Tight Connector	9.69	1.68
			<i>For Work In Restricted Working Space, Add</i>	1.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.26	
26 05 33 13-2249	EA		1" Straight Liquid Tight Connector	14.47	1.87
			<i>For Work In Restricted Working Space, Add</i>	1.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.40	
26 05 33 13-2250	EA		1-1/4" Straight Liquid Tight Connector	19.95	2.05
			<i>For Work In Restricted Working Space, Add</i>	1.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.54	
26 05 33 13-2251	EA		1-1/2" Straight Liquid Tight Connector	26.74	2.24
			<i>For Work In Restricted Working Space, Add</i>	1.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.68	
26 05 33 13-2252	EA		2" Straight Liquid Tight Connector	38.74	2.61
			<i>For Work In Restricted Working Space, Add</i>	1.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.96	
26 05 33 13-2253	EA		2-1/2" Straight Liquid Tight Connector	154.60	3.36
			<i>For Work In Restricted Working Space, Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.52	
26 05 33 13-2254	EA		3" Straight Liquid Tight Connector	202.49	3.54
			<i>For Work In Restricted Working Space, Add</i>	2.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-2255	EA		4" Straight Liquid Tight Connector	244.30	5.22
			<i>For Work In Restricted Working Space, Add</i>	3.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-2256			90 Degree Angle Connector <small>(26 05 33 13-2233)</small>		
26 05 33 13-2257	EA		3/8" 90 Degree Angle Liquid Tight Connector	11.53	2.05
			<i>For Work In Restricted Working Space, Add</i>	1.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.54	
26 05 33 13-2258	EA		1/2" 90 Degree Angle Liquid Tight Connector	12.36	2.05
			<i>For Work In Restricted Working Space, Add</i>	1.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.54	
26 05 33 13-2259	EA		3/4" 90 Degree Angle Liquid Tight Connector	14.29	2.24
			<i>For Work In Restricted Working Space, Add</i>	1.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.68	
26 05 33 13-2260	EA		1" 90 Degree Angle Liquid Tight Connector	22.35	2.61
			<i>For Work In Restricted Working Space, Add</i>	1.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.96	
26 05 33 13-2261	EA		1-1/4" 90 Degree Angle Liquid Tight Connector	30.12	2.80
			<i>For Work In Restricted Working Space, Add</i>	2.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-2262	EA		1-1/2" 90 Degree Angle Liquid Tight Connector	38.16	2.98
			<i>For Work In Restricted Working Space, Add</i>	2.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.24	
26 05 33 13-2263	EA		2" 90 Degree Angle Liquid Tight Connector	52.85	3.36
			<i>For Work In Restricted Working Space, Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.52	
26 05 33 13-2264	EA		2-1/2" 90 Degree Angle Liquid Tight Connector	220.59	3.54
			<i>For Work In Restricted Working Space, Add</i>	2.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.66	
26 05 33 13-2265	EA		3" 90 Degree Angle Liquid Tight Connector	260.98	4.11
			<i>For Work In Restricted Working Space, Add</i>	3.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-2266	EA		4" 90 Degree Angle Liquid Tight Connector	357.62	6.54
			<i>For Work In Restricted Working Space, Add</i>	4.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.90	
26 05 33 13-2267			45 Degree Angle Connector <small>(26 05 33 13-2233)</small>		
26 05 33 13-2268	EA		3/8" 45 Degree Angle Liquid Tight Connector	11.25	2.05
			<i>For Work In Restricted Working Space, Add</i>	1.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.54	
26 05 33 13-2269	EA		1/2" 45 Degree Angle Liquid Tight Connector	11.45	2.05
			<i>For Work In Restricted Working Space, Add</i>	1.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.54	
26 05 33 13-2270	EA		3/4" 45 Degree Angle Liquid Tight Connector	14.29	2.24
			<i>For Work In Restricted Working Space, Add</i>	1.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2271 EA 1" 45 Degree Angle Liquid Tight Connector.....	24.60	2.61
For Work In Restricted Working Space, Add	1.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.96	
26 05 33 13-2272 EA 1-1/4" 45 Degree Angle Liquid Tight Connector	28.65	2.80
For Work In Restricted Working Space, Add	2.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.10	
26 05 33 13-2273 EA 1-1/2" 45 Degree Angle Liquid Tight Connector	32.71	2.98
For Work In Restricted Working Space, Add	2.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.24	
26 05 33 13-2274 Flexible Metallic Conduit And Connectors (26 05 33 13-2232)		
26 05 33 13-2275 Flexible Steel Conduit (26 05 33 13-2274)		
26 05 33 13-2276 LF 3/8" Flexible Metallic Conduit.....	1.93	0.61
For Flexible Aluminum Conduit, Add	0.07	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.23	
For Installation In Metal Stud Wall, Add	0.15	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.38	
For Work In Restricted Working Space, Add	0.45	
26 05 33 13-2277 LF 1/2" Flexible Metallic Conduit.....	2.01	0.61
For Flexible Aluminum Conduit, Add	0.08	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.23	
For Installation In Metal Stud Wall, Add	0.15	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.39	
For Work In Restricted Working Space, Add	0.46	
26 05 33 13-2278 LF 3/4" Flexible Metallic Conduit.....	2.30	0.81
For Flexible Aluminum Conduit, Add	0.11	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.25	
For Installation In Metal Stud Wall, Add	0.17	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.42	
For Work In Restricted Working Space, Add	0.50	
26 05 33 13-2279 LF 1" Flexible Metallic Conduit.....	2.98	0.81
For Flexible Aluminum Conduit, Add	0.20	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.27	
For Installation In Metal Stud Wall, Add	0.18	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.45	
For Work In Restricted Working Space, Add	0.54	
26 05 33 13-2280 LF 1-1/4" Flexible Metallic Conduit	3.45	1.02
For Flexible Aluminum Conduit, Add	0.26	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.28	
For Installation In Metal Stud Wall, Add	0.19	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.47	
For Work In Restricted Working Space, Add	0.57	
26 05 33 13-2281 LF 1-1/2" Flexible Metallic Conduit	4.70	1.22
For Flexible Aluminum Conduit, Add	0.45	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.30	
For Installation In Metal Stud Wall, Add	0.20	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.49	
For Work In Restricted Working Space, Add	0.59	
26 05 33 13-2282 LF 2" Flexible Metallic Conduit.....	5.39	1.64
For Flexible Aluminum Conduit, Add	0.55	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.31	
For Installation In Metal Stud Wall, Add	0.20	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.51	
For Work In Restricted Working Space, Add	0.61	
26 05 33 13-2283 LF 2-1/2" Flexible Steel Conduit	6.60	1.84
For Flexible Aluminum Conduit, Add	0.67	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.38	
For Installation In Metal Stud Wall, Add	0.26	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.64	
For Work In Restricted Working Space, Add	0.77	
26 05 33 13-2284 LF 3" Flexible Metallic Conduit.....	10.09	2.25
For Flexible Aluminum Conduit, Add	1.16	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.46	
For Installation In Metal Stud Wall, Add	0.31	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.77	
For Work In Restricted Working Space, Add	0.92	
26 05 33 13-2285 LF 3-1/2" Flexible Metallic Conduit	12.43	2.45
For Flexible Aluminum Conduit, Add	1.46	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.54	
For Installation In Metal Stud Wall, Add	0.36	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.89	
For Work In Restricted Working Space, Add	1.07	
26 05 33 13-2286 LF 4" Flexible Metallic Conduit.....	14.31	2.86
For Flexible Aluminum Conduit, Add	1.69	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.61	
For Installation In Metal Stud Wall, Add	0.41	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.02	
For Work In Restricted Working Space, Add	1.22	
26 05 33 13-2287 Plain Squeeze Type Straight Connector (26 05 33 13-2274)		
26 05 33 13-2288 EA 3/8" Flexible Straight Connectors, Plain.....	3.38	1.64
For Work In Restricted Working Space, Add	0.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.69	
26 05 33 13-2289 EA 1/2" Flexible Straight Connectors, Plain.....	4.26	1.84
For Work In Restricted Working Space, Add	0.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.77	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2290	EA		3/4" Flexible Straight Connectors, Plain.....	4.86	2.25
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.92	
26 05 33 13-2291	EA		1" Flexible Straight Connectors, Plain.....	8.04	2.45
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.22	
26 05 33 13-2292	EA		1-1/4" Flexible Straight Connectors, Plain.....	11.59	2.86
			<i>For Work In Restricted Working Space, Add</i>	1.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.53	
26 05 33 13-2293	EA		1-1/2" Flexible Straight Connectors, Plain.....	15.38	3.47
			<i>For Work In Restricted Working Space, Add</i>	1.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.91	
26 05 33 13-2294	EA		2" Flexible Straight Connectors, Plain.....	20.46	3.47
			<i>For Work In Restricted Working Space, Add</i>	2.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33 13-2295	EA		2-1/2" Flexible Straight Connectors, Plain.....	34.08	4.29
			<i>For Work In Restricted Working Space, Add</i>	2.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.68	
26 05 33 13-2296	EA		3" Flexible Straight Connectors, Plain.....	45.08	4.70
			<i>For Work In Restricted Working Space, Add</i>	3.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 33 13-2297	EA		3-1/2" Flexible Straight Connectors, Plain.....	146.33	5.51
			<i>For Work In Restricted Working Space, Add</i>	3.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.44	
26 05 33 13-2298	EA		4" Flexible Straight Connectors, Plain.....	183.36	6.73
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-2299 Insulated Throat Squeeze Type Straight Connector <small>(26 05 33 13-2274)</small>					
26 05 33 13-2300	EA		1/2" Flexible Straight Connectors, Insulated.....	4.85	1.84
			<i>For Work In Restricted Working Space, Add</i>	0.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.77	
26 05 33 13-2301	EA		3/4" Flexible Straight Connectors, Insulated.....	5.64	2.25
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.92	
26 05 33 13-2302	EA		1" Flexible Straight Connectors, Insulated.....	9.09	2.45
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.22	
26 05 33 13-2303	EA		1-1/4" Flexible Straight Connectors, Insulated.....	13.53	2.86
			<i>For Work In Restricted Working Space, Add</i>	1.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.53	
26 05 33 13-2304	EA		1-1/2" Flexible Straight Connectors, Insulated.....	18.82	3.06
			<i>For Work In Restricted Working Space, Add</i>	1.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.91	
26 05 33 13-2305	EA		2" Flexible Straight Connectors, Insulated.....	26.54	3.47
			<i>For Work In Restricted Working Space, Add</i>	2.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33 13-2306	EA		2-1/2" Flexible Straight Connectors, Insulated.....	47.08	4.29
			<i>For Work In Restricted Working Space, Add</i>	2.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.68	
26 05 33 13-2307	EA		3" Flexible Straight Connectors, Insulated.....	60.41	4.70
			<i>For Work In Restricted Working Space, Add</i>	3.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 33 13-2308	EA		3-1/2" Flexible Straight Connectors, Insulated.....	169.96	5.51
			<i>For Work In Restricted Working Space, Add</i>	3.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.44	
26 05 33 13-2309	EA		4" Flexible Straight Connectors, Insulated.....	218.89	6.73
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-2310 Plain Squeeze Type 90 Degree Connector <small>(26 05 33 13-2274)</small>					
26 05 33 13-2311	EA		3/8" Flexible 90 Degree Connector, Plain.....	4.79	2.04
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.92	
26 05 33 13-2312	EA		1/2" Flexible 90 Degree Connector, Plain.....	6.46	2.25
			<i>For Work In Restricted Working Space, Add</i>	1.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.07	
26 05 33 13-2313	EA		3/4" Flexible 90 Degree Connector, Plain.....	8.61	2.45
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.22	
26 05 33 13-2314	EA		1" Flexible 90 Degree Connector, Plain.....	12.26	2.86
			<i>For Work In Restricted Working Space, Add</i>	1.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.53	
26 05 33 13-2315	EA		1-1/4" Flexible 90 Degree Connector, Plain.....	19.69	3.06
			<i>For Work In Restricted Working Space, Add</i>	1.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.84	
26 05 33 13-2316	EA		1-1/2" Flexible 90 Degree Connector, Plain.....	31.38	3.57
			<i>For Work In Restricted Working Space, Add</i>	2.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33 13-2317	EA		2" Flexible 90 Degree Connector, Plain.....	38.00	4.39
			<i>For Work In Restricted Working Space, Add</i>	2.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.60	
26 05 33 13-2318	EA		2-1/2" Flexible 90 Degree Connector, Plain.....	86.65	4.70
			<i>For Work In Restricted Working Space, Add</i>	3.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2319	EA	3" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.84 3.44 3.44	5.51
26 05 33	13-2320	EA	3-1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	240.98 3.83 3.83	6.73
26 05 33	13-2321	EA	4" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	432.94 4.60 4.60	7.66
26 05 33 13-2322 Insulated Throat Squeeze Type 90 Degree Connector (26 05 33 13-2274)					
26 05 33	13-2323	EA	1/2" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.28 1.07 1.07	2.25
26 05 33	13-2324	EA	3/4" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.62 1.22 1.22	2.45
26 05 33	13-2325	EA	1" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.26 1.53 1.53	2.86
26 05 33	13-2326	EA	1-1/4" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.28 1.84 1.84	3.06
26 05 33	13-2327	EA	1-1/2" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.89 2.30 2.30	3.57
26 05 33	13-2328	EA	2" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.59 2.60 2.60	4.39
26 05 33	13-2329	EA	2-1/2" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.76 3.06 3.06	4.70
26 05 33	13-2330	EA	3" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.71 3.44 3.44	5.51
26 05 33	13-2331	EA	3-1/2" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	403.56 3.83 3.83	6.73
26 05 33	13-2332	EA	4" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	603.22 4.60 4.60	7.66
26 05 33 13-2333 Plain Squeeze Type 45 Degree Connector (26 05 33 13-2274)					
26 05 33	13-2334	EA	3/8" Flexible 45 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45 0.92 0.92	2.04
26 05 33	13-2335	EA	1/2" Flexible 45 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.52 1.07 1.07	2.25
26 05 33	13-2336	EA	3/4" Flexible 45 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79 1.22 1.22	2.45
26 05 33 13-2337 Insulated Squeeze Type 45 Degree Connector (26 05 33 13-2274)					
26 05 33	13-2338	EA	3/8" Flexible 45 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90 0.92 0.92	2.45
26 05 33	13-2339	EA	1/2" Flexible 45 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.27 1.07 1.07	2.25
26 05 33	13-2340	EA	3/4" Flexible 45 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.85 1.22 1.22	2.45
26 05 33 13-2341 Plain Screw-In Connector (26 05 33 13-2274)					
26 05 33	13-2342	EA	3/8" Flexible Steel Screw-in Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.70 0.69 0.69	1.64
26 05 33	13-2343	EA	1/2" Flexible Steel Screw-in Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.88 0.77 0.77	1.84
26 05 33	13-2344	EA	3/4" Flexible Steel Screw-in Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.73 0.92 0.92	2.25
26 05 33	13-2345	EA	1" Flexible Steel Screw-in Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43 1.22 1.22	2.45
26 05 33	13-2346	EA	1-1/4" Flexible Steel Screw-in Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.27 1.53 1.53	2.86
26 05 33	13-2347	EA	1-1/2" Flexible Steel Screw-in Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.06 1.91 1.91	3.06

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2348	EA		2" Flexible Steel Screw-in Connector, Plain.....	15.31	3.47
			<i>For Work In Restricted Working Space, Add</i>	2.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33 13-2349			Insulated Screw-In Connector <small>(26 05 33 13-2274)</small>		
26 05 33 13-2350	EA		3/8" Flexible Steel Screw-in Connector, Insulated.....	2.90	1.64
			<i>For Work In Restricted Working Space, Add</i>	0.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.69	
26 05 33 13-2351	EA		1/2" Flexible Steel Screw-in Connector, Insulated.....	3.04	1.84
			<i>For Work In Restricted Working Space, Add</i>	0.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.77	
26 05 33 13-2352	EA		3/4" Flexible Steel Screw-in Connector, Insulated.....	4.13	2.25
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.92	
26 05 33 13-2353	EA		1" Flexible Steel Screw-in Connector, Insulated.....	6.04	2.45
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.22	
26 05 33 13-2354	EA		1-1/4" Flexible Steel Screw-in Connector, Insulated.....	9.14	2.86
			<i>For Work In Restricted Working Space, Add</i>	1.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.53	
26 05 33 13-2355	EA		1-1/2" Flexible Steel Screw-in Connector, Insulated.....	11.11	3.06
			<i>For Work In Restricted Working Space, Add</i>	1.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.91	
26 05 33 13-2356	EA		2" Flexible Steel Screw-in Connector, Insulated.....	16.22	3.47
			<i>For Work In Restricted Working Space, Add</i>	2.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33 13-2357			Screw-In Coupling <small>(26 05 33 13-2274)</small>		
26 05 33 13-2358	EA		1/2" Flexible Steel Screw-in Coupling.....	3.26	1.84
			<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 33 13-2359	EA		3/4" Flexible Steel Screw-in Coupling.....	4.36	2.25
			<i>For Work In Restricted Working Space, Add</i>	0.92	
26 05 33 13-2360			Flexible To Electrical Metallic Tubing (EMT) Coupling <small>(26 05 33 13-2274)</small>		
26 05 33 13-2361	EA		3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	4.73	1.64
			<i>For Work In Restricted Working Space, Add</i>	0.69	
26 05 33 13-2362	EA		1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	6.60	1.84
			<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 33 13-2363	EA		3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	8.82	2.25
			<i>For Work In Restricted Working Space, Add</i>	0.92	
26 05 33 13-2364			Die Cast Squeeze Type Straight Connector <small>(26 05 33 13-2274)</small>		
26 05 33 13-2365	EA		3/8" Flexible Straight Connector, Die Cast.....	2.82	1.64
			<i>For Work In Restricted Working Space, Add</i>	0.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.69	
26 05 33 13-2366	EA		1/2" Flexible Straight Connector, Die Cast.....	3.20	1.84
			<i>For Work In Restricted Working Space, Add</i>	0.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.77	
26 05 33 13-2367	EA		3/4" Flexible Straight Connector, Die Cast.....	4.00	2.25
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.92	
26 05 33 13-2368	EA		1" Flexible Straight Connector, Die Cast.....	6.18	2.45
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.22	
26 05 33 13-2369	EA		1-1/4" Flexible Straight Connector, Die Cast.....	8.46	2.86
			<i>For Work In Restricted Working Space, Add</i>	1.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.53	
26 05 33 13-2370	EA		1-1/2" Flexible Straight Connector, Die Cast.....	11.63	3.06
			<i>For Work In Restricted Working Space, Add</i>	1.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.91	
26 05 33 13-2371	EA		2" Flexible Straight Connector, Die Cast.....	15.22	3.47
			<i>For Work In Restricted Working Space, Add</i>	2.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33 13-2372			Die Cast Squeeze Type 90 Degree Connector <small>(26 05 33 13-2274)</small>		
26 05 33 13-2373	EA		3/8" Flexible 90 Degree Connector, Die Cast.....	3.72	2.04
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.92	
26 05 33 13-2374	EA		1/2" Flexible 90 Degree Connector, Die Cast.....	4.68	2.25
			<i>For Work In Restricted Working Space, Add</i>	1.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.07	
26 05 33 13-2375	EA		3/4" Flexible 90 Degree Connector, Die Cast.....	5.76	2.45
			<i>For Work In Restricted Working Space, Add</i>	1.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.22	
26 05 33 13-2376	EA		1" Flexible 90 Degree Connector, Die Cast.....	9.55	2.86
			<i>For Work In Restricted Working Space, Add</i>	1.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.53	
26 05 33 13-2377	EA		1-1/4" Flexible 90 Degree Connector, Die Cast.....	13.87	3.06
			<i>For Work In Restricted Working Space, Add</i>	1.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2378 EA 1-1/2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.11 2.30 2.30	3.57
26 05 33 13-2379 EA 2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.57 2.60 2.60	4.39
26 05 33 13-2380 Flexible Liquid Tight Non-Metallic Conduit And Connectors (26 05 33 13-2382)		
26 05 33 13-2381 Flexible Liquid Tight Non-Metallic Conduit (26 05 33 13-2380)		
26 05 33 13-2382 LF 3/8" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	2.04 0.42	0.56
26 05 33 13-2383 LF 1/2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	2.10 0.42	0.56
26 05 33 13-2384 LF 3/4" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	2.84 0.56	0.74
26 05 33 13-2385 LF 1" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	3.82 0.56	0.74
26 05 33 13-2386 LF 1-1/4" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	4.87 0.70	0.93
26 05 33 13-2387 LF 1-1/2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	6.34 0.84	1.12
26 05 33 13-2388 LF 2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	8.05 1.12	1.50
26 05 33 13-2389 Liquid Tight Non-Metallic Straight Connector (26 05 33 13-2380)		
26 05 33 13-2390 EA 3/8" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12 1.12 1.12	1.50
26 05 33 13-2391 EA 1/2" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12 1.12 1.12	1.50
26 05 33 13-2392 EA 3/4" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72 1.26 1.26	1.68
26 05 33 13-2393 EA 1" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96 1.40 1.40	1.87
26 05 33 13-2394 EA 1-1/4" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.62 1.54 1.54	2.05
26 05 33 13-2395 EA 1-1/2" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.81 1.68 1.68	2.24
26 05 33 13-2396 EA 2" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.77 1.96 1.96	2.61
26 05 33 13-2397 Liquid Tight Non-Metallic 90 Degree Angle Connector (26 05 33 13-2380)		
26 05 33 13-2398 EA 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.00 1.54 1.54	2.05
26 05 33 13-2399 EA 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.00 1.54 1.54	2.05
26 05 33 13-2400 EA 3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55 1.68 1.68	2.24
26 05 33 13-2401 EA 1" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.28 1.96 1.96	2.61
26 05 33 13-2402 EA 1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.69 2.10 2.10	2.80
26 05 33 13-2403 EA 1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.38 2.24 2.24	2.98
26 05 33 13-2404 EA 2" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.94 2.52 2.52	3.36
26 05 33 13-2405 Liquid Tight Non-Metallic 45 Degree Angle Connector (26 05 33 13-2380)		
26 05 33 13-2406 EA 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.00 1.54 1.54	2.05
26 05 33 13-2407 EA 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.00 1.54 1.54	2.05
26 05 33 13-2408 EA 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55 1.68 1.68	2.24
26 05 33 13-2409 EA 1" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.28 1.96 1.96	2.61

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2410 EA 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	17.69	2.80
For Work In Restricted Working Space, Add	2.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.10	
26 05 33 13-2411 EA 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	30.38	2.98
For Work In Restricted Working Space, Add	2.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.24	
26 05 33 13-2412 EA 2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	41.94	3.36
For Work In Restricted Working Space, Add	2.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.52	
26 05 33 13-2413 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2232)		
Note: Carlon - FLEX-PLUS.		
26 05 33 13-2414 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2413)		
26 05 33 13-2415 LF 1/2" Blue ENT Electrical Non-Metallic Tubing.....	1.82	0.61
For Work In Restricted Working Space, Add	0.46	
26 05 33 13-2416 LF 3/4" Blue ENT Electrical Non-Metallic Tubing.....	2.43	0.81
For Work In Restricted Working Space, Add	0.61	
26 05 33 13-2417 LF 1" Blue ENT Electrical Non-Metallic Tubing.....	2.67	0.81
For Work In Restricted Working Space, Add	0.61	
26 05 33 13-2418 Terminal Adapter (26 05 33 13-2413)		
26 05 33 13-2419 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	4.54	1.64
For Work In Restricted Working Space, Add	1.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.22	
26 05 33 13-2420 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	5.44	1.84
For Work In Restricted Working Space, Add	1.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.38	
26 05 33 13-2421 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	6.18	2.04
For Work In Restricted Working Space, Add	1.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.53	
26 05 33 13-2422 Coupling (26 05 33 13-2413)		
26 05 33 13-2423 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	4.48	1.64
For Work In Restricted Working Space, Add	1.22	
26 05 33 13-2424 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	5.12	1.84
For Work In Restricted Working Space, Add	1.38	
26 05 33 13-2425 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	5.89	2.04
For Work In Restricted Working Space, Add	1.53	
26 05 33 13-2426 Conduit Bodies (26 05 33 13-0040)		
26 05 33 13-2427 Threaded, Cast Aluminum Conduit Body (26 05 33 13-2426)		
26 05 33 13-2428 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body (26 05 33 13-2427)		
26 05 33 13-2429 EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	28.44	8.96
For Mogul LB, Add	3.42	
For Work In Restricted Working Space, Add	6.72	
For Installation Above 14', Add	3.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.72	
26 05 33 13-2430 EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	33.88	10.26
For Mogul LB, Add	4.87	
For Work In Restricted Working Space, Add	7.70	
For Installation Above 14', Add	3.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-2431 EA 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	41.56	11.95
For Mogul LB, Add	7.28	
For Work In Restricted Working Space, Add	8.96	
For Installation Above 14', Add	4.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.96	
26 05 33 13-2432 EA 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	51.52	13.63
For Mogul LB, Add	11.39	
For Work In Restricted Working Space, Add	10.22	
For Installation Above 14', Add	5.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.22	
26 05 33 13-2433 EA 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	59.86	14.93
For Mogul LB, Add	15.03	
For Work In Restricted Working Space, Add	11.20	
For Installation Above 14', Add	5.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.20	
26 05 33 13-2434 EA 2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	81.19	17.91
For Mogul LB, Add	25.05	
For Work In Restricted Working Space, Add	13.44	
For Installation Above 14', Add	6.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.44	
26 05 33 13-2435 EA 2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	143.53	25.20
For Mogul LB, Add	57.26	
For Work In Restricted Working Space, Add	18.90	
For Installation Above 14', Add	9.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.90	
26 05 33 13-2436 EA 3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	187.98	33.60
For Mogul LB, Add	73.79	
For Work In Restricted Working Space, Add	25.20	
For Installation Above 14', Add	12.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2437 EA 3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....253.72		42.00
For Mogul LB, Add	106.30	
For Work In Restricted Working Space, Add	31.50	
For Installation Above 14', Add	15.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.50	
26 05 33 13-2438 EA 4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....334.52		51.14
For Mogul LB, Add	148.61	
For Work In Restricted Working Space, Add	38.36	
For Installation Above 14', Add	19.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.36	
26 05 33 13-2439 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2427)</small>		
26 05 33 13-2440 EA 1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....29.18		8.96
For Mogul LB, Add	3.97	
For Work In Restricted Working Space, Add	6.72	
For Installation Above 14', Add	3.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.72	
26 05 33 13-2441 EA 3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....34.60		10.26
For Mogul LB, Add	5.41	
For Work In Restricted Working Space, Add	7.70	
For Installation Above 14', Add	3.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-2442 EA 1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....43.00		11.95
For Mogul LB, Add	8.36	
For Work In Restricted Working Space, Add	8.96	
For Installation Above 14', Add	4.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.96	
26 05 33 13-2443 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....53.29		13.63
For Mogul LB, Add	12.72	
For Work In Restricted Working Space, Add	10.22	
For Installation Above 14', Add	5.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.22	
26 05 33 13-2444 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....62.86		14.93
For Mogul LB, Add	17.28	
For Work In Restricted Working Space, Add	11.20	
For Installation Above 14', Add	5.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.20	
26 05 33 13-2445 EA 2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....87.63		17.91
For Mogul LB, Add	29.88	
For Work In Restricted Working Space, Add	13.44	
For Installation Above 14', Add	6.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.44	
26 05 33 13-2446 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....140.29		25.20
For Mogul LB, Add	54.83	
For Work In Restricted Working Space, Add	18.90	
For Installation Above 14', Add	9.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.90	
26 05 33 13-2447 EA 3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....177.07		33.60
For Mogul LB, Add	65.61	
For Work In Restricted Working Space, Add	25.20	
For Installation Above 14', Add	12.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.20	
26 05 33 13-2448 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....263.02		42.00
For Mogul LB, Add	113.27	
For Work In Restricted Working Space, Add	31.50	
For Installation Above 14', Add	15.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.50	
26 05 33 13-2449 EA 4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....353.54		51.14
For Mogul LB, Add	162.88	
For Work In Restricted Working Space, Add	38.36	
For Installation Above 14', Add	19.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.36	
26 05 33 13-2450 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2427)</small>		
26 05 33 13-2451 EA 1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....33.69		10.26
For Work In Restricted Working Space, Add	7.70	
For Installation Above 14', Add	3.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-2452 EA 3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....40.19		11.95
For Work In Restricted Working Space, Add	8.96	
For Installation Above 14', Add	4.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.96	
26 05 33 13-2453 EA 1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....47.28		13.06
For Work In Restricted Working Space, Add	9.80	
For Installation Above 14', Add	4.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.80	
26 05 33 13-2454 EA 1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....59.48		14.93
For Work In Restricted Working Space, Add	11.20	
For Installation Above 14', Add	5.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.20	
26 05 33 13-2455 EA 1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....69.85		16.43
For Work In Restricted Working Space, Add	12.32	
For Installation Above 14', Add	6.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.32	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2456 EA 2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	97.30	19.22
For Work In Restricted Working Space, Add	14.42	
For Installation Above 14', Add	7.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.42	
26 05 33 13-2457 EA 2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	157.00	28.00
For Work In Restricted Working Space, Add	21.00	
For Installation Above 14', Add	10.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.00	
26 05 33 13-2458 EA 3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	202.53	36.39
For Work In Restricted Working Space, Add	27.30	
For Installation Above 14', Add	13.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.30	
26 05 33 13-2459 EA 3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	343.66	44.80
For Work In Restricted Working Space, Add	33.60	
For Installation Above 14', Add	16.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.60	
26 05 33 13-2460 EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	389.93	53.95
For Work In Restricted Working Space, Add	40.46	
For Installation Above 14', Add	20.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.46	
26 05 33 13-2461 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2427)</small>		
26 05 33 13-2462 EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	29.32	8.96
For Work In Restricted Working Space, Add	6.72	
For Installation Above 14', Add	3.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.72	
26 05 33 13-2463 EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	34.10	10.26
For Work In Restricted Working Space, Add	7.70	
For Installation Above 14', Add	3.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-2464 EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	41.94	11.76
For Work In Restricted Working Space, Add	8.82	
For Installation Above 14', Add	4.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 05 33 13-2465 EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	52.58	13.63
For Work In Restricted Working Space, Add	10.22	
For Installation Above 14', Add	5.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.22	
26 05 33 13-2466 EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	59.37	14.93
For Work In Restricted Working Space, Add	11.20	
For Installation Above 14', Add	5.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.20	
26 05 33 13-2467 EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	81.24	17.91
For Work In Restricted Working Space, Add	13.44	
For Installation Above 14', Add	6.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.44	
26 05 33 13-2468 EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	137.55	25.20
For Work In Restricted Working Space, Add	18.90	
For Installation Above 14', Add	9.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.90	
26 05 33 13-2469 EA 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	175.32	33.60
For Work In Restricted Working Space, Add	25.20	
For Installation Above 14', Add	12.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.20	
26 05 33 13-2470 EA 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	257.43	42.00
For Work In Restricted Working Space, Add	31.50	
For Installation Above 14', Add	15.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.50	
26 05 33 13-2471 EA 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	336.27	51.14
For Work In Restricted Working Space, Add	38.36	
For Installation Above 14', Add	19.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.36	
26 05 33 13-2472 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2427)</small>		
26 05 33 13-2473 EA 1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	39.24	11.76
For Work In Restricted Working Space, Add	8.82	
For Installation Above 14', Add	4.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 05 33 13-2474 EA 3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	45.99	13.06
For Work In Restricted Working Space, Add	9.80	
For Installation Above 14', Add	4.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.80	
26 05 33 13-2475 EA 1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	58.46	14.37
For Work In Restricted Working Space, Add	10.78	
For Installation Above 14', Add	5.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.78	
26 05 33 13-2476 EA 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	67.59	16.43
For Work In Restricted Working Space, Add	12.32	
For Installation Above 14', Add	6.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.32	
26 05 33 13-2477 EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	91.27	17.91
For Work In Restricted Working Space, Add	13.44	
For Installation Above 14', Add	6.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2478 EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	109.85	22.02
For Work In Restricted Working Space, Add	16.52	
For Installation Above 14', Add	8.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.52	
26 05 33 13-2479 EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	216.68	32.29
For Work In Restricted Working Space, Add	24.22	
For Installation Above 14', Add	12.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.22	
26 05 33 13-2480 EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	264.25	42.00
For Work In Restricted Working Space, Add	31.50	
For Installation Above 14', Add	15.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.50	
26 05 33 13-2481 EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	387.52	51.89
For Work In Restricted Working Space, Add	39.20	
For Installation Above 14', Add	19.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.20	
26 05 33 13-2482 EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	469.20	62.34
For Work In Restricted Working Space, Add	46.76	
For Installation Above 14', Add	23.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.76	
26 05 33 13-2483 Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-2426)</small>		
26 05 33 13-2484 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2483)</small>		
26 05 33 13-2485 EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	30.50	8.96
For Work In Restricted Working Space, Add	6.72	
For Installation Above 14', Add	3.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.72	
26 05 33 13-2486 EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	35.61	10.26
For Work In Restricted Working Space, Add	7.70	
For Installation Above 14', Add	3.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-2487 EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	44.68	11.95
For Work In Restricted Working Space, Add	8.96	
For Installation Above 14', Add	4.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.96	
26 05 33 13-2488 EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	60.64	13.63
For Work In Restricted Working Space, Add	10.22	
For Installation Above 14', Add	5.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.22	
26 05 33 13-2489 EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	69.93	14.93
For Work In Restricted Working Space, Add	11.20	
For Installation Above 14', Add	5.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.20	
26 05 33 13-2490 EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	99.37	17.91
For Work In Restricted Working Space, Add	13.44	
For Installation Above 14', Add	6.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.44	
26 05 33 13-2491 EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	174.68	25.20
For Work In Restricted Working Space, Add	18.90	
For Installation Above 14', Add	9.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.90	
26 05 33 13-2492 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	250.61	33.60
For Work In Restricted Working Space, Add	25.20	
For Installation Above 14', Add	12.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.20	
26 05 33 13-2493 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	351.66	42.00
For Work In Restricted Working Space, Add	31.50	
For Installation Above 14', Add	15.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.50	
26 05 33 13-2494 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	419.54	51.14
For Work In Restricted Working Space, Add	38.36	
For Installation Above 14', Add	19.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.36	
26 05 33 13-2495 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2483)</small>		
26 05 33 13-2496 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	32.38	8.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.72	
26 05 33 13-2497 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	36.16	10.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 33 13-2498 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	47.54	11.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.96	
26 05 33 13-2499 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	62.56	13.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.22	
26 05 33 13-2500 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	72.28	14.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.20	
26 05 33 13-2501 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	94.54	17.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.44	
26 05 33 13-2502 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	147.90	25.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.90	
26 05 33 13-2503 EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	202.45	33.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.20	
26 05 33 13-2504 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	380.02	42.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.50	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2505	EA		4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	440.45 38.36	51.14
26 05 33 13-2506			Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <small>(26 05 33)</small>		
26 05 33 13-2507	EA		1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.06 7.70 3.85 7.70	10.26
26 05 33 13-2508	EA		3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.99 9.10 4.55 9.10	11.95
26 05 33 13-2509	EA		1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.35 9.80 4.90 9.80	13.06
26 05 33 13-2510	EA		1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.55 11.06 5.53 11.06	14.93
26 05 33 13-2511	EA		1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.15 12.32 6.16 12.32	16.43
26 05 33 13-2512	EA		2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.14 14.42 7.21 14.42	19.22
26 05 33 13-2513	EA		2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.46 21.00 10.50 21.00	28.00
26 05 33 13-2514	EA		3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.41 27.30 13.65 27.30	36.39
26 05 33 13-2515	EA		3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	400.12 33.60 16.80 33.60	44.80
26 05 33 13-2516	EA		4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	459.23 40.59 20.30 40.59	53.95
26 05 33 13-2517			Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33)</small>		
26 05 33 13-2518	EA		1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.64 6.72 3.36 6.72	8.96
26 05 33 13-2519	EA		3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.04 7.70 3.85 7.70	10.26
26 05 33 13-2520	EA		1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.89 8.82 4.41 8.82	11.76
26 05 33 13-2521	EA		1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.17 10.22 5.11 10.22	13.63
26 05 33 13-2522	EA		1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.56 11.20 5.60 11.20	14.93
26 05 33 13-2523	EA		2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.26 13.44 6.72 13.44	17.91
26 05 33 13-2524	EA		2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	215.16 35.44 17.72 35.44	47.27
26 05 33 13-2525	EA		3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	222.68 25.20 12.60 25.20	33.60
26 05 33 13-2526	EA		3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	380.02 31.50 15.75 31.50	42.00
26 05 33 13-2527	EA		4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	440.44 38.35 19.18 38.35	51.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-2528	Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2483)</small>		
26 05 33 13-2529	EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.23 8.82 4.41 8.82	11.76
26 05 33 13-2530	EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.06 9.80 4.90 9.80	13.06
26 05 33 13-2531	EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.06 10.78 5.39 10.78	14.37
26 05 33 13-2532	EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.96 12.32 6.16 12.32	16.43
26 05 33 13-2533	EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.20 13.44 6.72 13.44	17.91
26 05 33 13-2534	EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.43 16.52 8.26 16.52	22.02
26 05 33 13-2535	EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.87 24.22 12.11 24.22	32.29
26 05 33 13-2536	EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.00 31.50 15.75 31.50	42.00
26 05 33 13-2537	EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	454.84 38.92 19.46 38.92	51.89
26 05 33 13-2538	EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	501.04 46.76 23.38 46.76	62.34
26 05 33 13-2539	Set Screw, Cast Aluminum Conduit Body <small>(26 05 33 13-2426)</small>		
26 05 33 13-2540	Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2539)</small>		
26 05 33 13-2541	EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.91 2.66 1.33 2.66	3.54
26 05 33 13-2542	EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.13 3.50 1.75 3.50	4.67
26 05 33 13-2543	EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.12 4.34 2.17 4.34	5.78
26 05 33 13-2544	EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.16 5.32 2.66 5.32	7.09
26 05 33 13-2545	EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.76 6.16 3.08 6.16	8.21
26 05 33 13-2546	EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.84 7.00 3.50 7.00	9.33
26 05 33 13-2547	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2539)</small>		
26 05 33 13-2548	EA 1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.10 2.66 1.33 2.66	3.54
26 05 33 13-2549	EA 3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.88 3.50 1.75 3.50	4.67
26 05 33 13-2550	EA 1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.53 4.34 2.17 4.34	5.78

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2551	EA	1-1/4"	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.94 5.32 2.66 5.32	7.09
26 05 33 13-2552	EA	1-1/2"	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.46 6.16 3.08 6.16	8.21
26 05 33 13-2553	EA	2"	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.47 7.00 3.50 7.00	9.33
26 05 33 13-2554			Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ^(26 05 33 13-2539)		
26 05 33 13-2555	EA	1/2"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.53 3.50 1.75 3.50	4.67
26 05 33 13-2556	EA	3/4"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.23 4.34 2.17 4.34	5.78
26 05 33 13-2557	EA	1"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.66 5.32 2.66 5.32	7.09
26 05 33 13-2558	EA	1-1/4"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.24 6.44 3.22 6.44	8.21
26 05 33 13-2559	EA	1-1/2"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.14 7.56 3.78 7.56	9.33
26 05 33 13-2560	EA	2"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.99 8.68 4.34 8.68	10.45
26 05 33 13-2561			Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ^(26 05 33 13-2539)		
26 05 33 13-2562	EA	1/2"	Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.73 2.66 1.33 2.66	3.54
26 05 33 13-2563	EA	3/4"	Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.52 3.50 1.75 3.50	4.67
26 05 33 13-2564	EA	1"	Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.06 4.34 2.17 4.34	5.78
26 05 33 13-2565	EA	1-1/4"	Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.28 5.32 2.66 5.32	7.09
26 05 33 13-2566	EA	1-1/2"	Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.76 6.16 3.08 6.16	8.21
26 05 33 13-2567	EA	2"	Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.64 7.00 3.50 7.00	9.33
26 05 33 13-2568			Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) ^(26 05 33 13-2426)		
26 05 33 13-2569	EA	3/4" To 1-1/4"	Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.00 7.67	10.22
26 05 33 13-2570	EA	1-1/2" To 2-1/2"	Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	319.80 14.18	18.90
26 05 33 13-2571	EA	3" To 4"	Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	613.40 28.77	38.36
26 05 33 13-2572			Replacement Covers And Gaskets For Conduit Body ^(26 05 33 13-2426)		
26 05 33 13-2573			Replacement Stamped Aluminum Conduit Body Cover ^(26 05 33 13-2572)		
26 05 33 13-2574	EA	1/2"	Replacement Stamped Aluminum Conduit Body Cover	5.62	1.82
26 05 33 13-2575	EA	3/4"	Replacement Stamped Aluminum Conduit Body Cover	7.02	2.12
26 05 33 13-2576	EA	1"	Replacement Stamped Aluminum Conduit Body Cover	8.98	2.73
26 05 33 13-2577	EA	1-1/4"	Replacement Stamped Aluminum Conduit Body Cover	10.90	3.33
26 05 33 13-2578	EA	1-1/2"	Replacement Stamped Aluminum Conduit Body Cover	13.61	3.95
26 05 33 13-2579	EA	2"	Replacement Stamped Aluminum Conduit Body Cover	16.32	4.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2580 EA 2-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	22.80	5.15
26 05 33 13-2581 EA 3" Replacement Stamped Aluminum Conduit Body Cover.....	28.37	7.28
26 05 33 13-2582 EA 3-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	30.72	8.19
26 05 33 13-2583 EA 4" Replacement Stamped Aluminum Conduit Body Cover.....	38.74	10.31
26 05 33 13-2584 Replacement Cast Steel Conduit Body Cover (26 05 33 13-2572)		
26 05 33 13-2585 EA 1/2" Replacement Cast Steel Conduit Body Cover.....	6.97	1.82
26 05 33 13-2586 EA 3/4" Replacement Cast Steel Conduit Body Cover.....	8.20	2.12
26 05 33 13-2587 EA 1" Replacement Cast Steel Conduit Body Cover.....	11.88	2.73
26 05 33 13-2588 EA 1-1/4" Replacement Cast Steel Conduit Body Cover.....	14.83	3.33
26 05 33 13-2589 EA 1-1/2" Replacement Cast Steel Conduit Body Cover.....	18.19	3.95
26 05 33 13-2590 EA 2" Replacement Cast Steel Conduit Body Cover.....	21.56	4.55
26 05 33 13-2591 EA 2-1/2" Replacement Cast Steel Conduit Body Cover.....	24.88	5.15
26 05 33 13-2592 EA 3" Replacement Cast Steel Conduit Body Cover.....	33.28	7.28
26 05 33 13-2593 EA 3-1/2" Replacement Cast Steel Conduit Body Cover.....	38.45	8.19
26 05 33 13-2594 EA 4" Replacement Cast Steel Conduit Body Cover.....	48.52	10.31
26 05 33 13-2595 Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2572)		
26 05 33 13-2596 EA 1/2" Replacement Velbuna Composition Conduit Body Gasket.....	5.02	1.82
26 05 33 13-2597 EA 3/4" Replacement Velbuna Composition Conduit Body Gasket.....	5.67	2.12
26 05 33 13-2598 EA 1" Replacement Velbuna Composition Conduit Body Gasket.....	7.47	2.73
26 05 33 13-2599 EA 1-1/4" Replacement Velbuna Composition Conduit Body Gasket.....	9.99	3.33
26 05 33 13-2600 EA 1-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	11.20	3.95
26 05 33 13-2601 EA 2" Replacement Velbuna Composition Conduit Body Gasket.....	13.54	4.55
26 05 33 13-2602 EA 2-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	18.99	5.15
26 05 33 13-2603 EA 3" Replacement Velbuna Composition Conduit Body Gasket.....	23.61	7.28
26 05 33 13-2604 EA 3-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	26.21	8.19
26 05 33 13-2605 EA 4" Replacement Velbuna Composition Conduit Body Gasket.....	30.42	10.31
26 05 33 13-2606 Replacement Neoprene Conduit Body Gasket (26 05 33 13-2572)		
26 05 33 13-2607 EA 1/2" Replacement Neoprene Conduit Body Gasket.....	5.95	1.82
26 05 33 13-2608 EA 3/4" Replacement Neoprene Conduit Body Gasket.....	6.56	2.12
26 05 33 13-2609 EA 1" Replacement Neoprene Conduit Body Gasket.....	8.64	2.73
26 05 33 13-2610 EA 1-1/4" Replacement Neoprene Conduit Body Gasket.....	10.59	3.33
26 05 33 13-2611 EA 1-1/2" Replacement Neoprene Conduit Body Gasket.....	11.80	3.95
26 05 33 13-2612 EA 2" Replacement Neoprene Conduit Body Gasket.....	13.60	4.55
26 05 33 13-2613 EA 2-1/2" Replacement Neoprene Conduit Body Gasket.....	19.14	5.15
26 05 33 13-2614 EA 3" Replacement Neoprene Conduit Body Gasket.....	23.76	7.28
26 05 33 13-2615 EA 3-1/2" Replacement Neoprene Conduit Body Gasket.....	27.21	8.19
26 05 33 13-2616 EA 4" Replacement Neoprene Conduit Body Gasket.....	31.42	10.31
26 05 33 16 Boxes For Electrical Systems (26 05 33)		
See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.		
26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)		
Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0123 for steel box/switch assemblies.		
26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0003 EA 1-1/2" Depth, 4" Square Steel Box.....	16.91	7.66
For Stud Bracket, Add	0.39	
26 05 33 16-0004 EA 2-1/8" Depth, 4" Square Steel Box.....	17.63	7.66
For Stud Bracket, Add	0.70	
26 05 33 16-0005 EA 3-1/2" Depth, 4" Square Steel Box.....	20.10	7.66
For Stud Bracket, Add	0.76	
26 05 33 16-0006 EA 1-1/2" Depth, 4" Square Steel Extension Ring.....	13.74	5.11
26 05 33 16-0007 EA 2-1/8" Depth, 4" Square Steel Extension Ring.....	11.23	5.11
26 05 33 16-0008 EA 1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	5.87	2.55
26 05 33 16-0009 EA 5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	5.98	2.55
26 05 33 16-0010 EA 3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	6.06	2.55
26 05 33 16-0011 EA 1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	6.33	2.55
26 05 33 16-0012 EA 1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	6.41	2.55
26 05 33 16-0013 EA 1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	7.27	2.55
26 05 33 16-0014 EA 1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	6.19	2.55
26 05 33 16-0015 EA 5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	6.27	2.55
26 05 33 16-0016 EA 3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	6.38	2.55
26 05 33 16-0017 EA 1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	7.25	2.55
26 05 33 16-0018 EA 1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	7.43	2.55
26 05 33 16-0019 EA 1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	8.55	2.55
26 05 33 16-0020 EA 3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	6.62	2.55
26 05 33 16-0021 EA 1" Depth, Fixture Cover, 4" Square Mud Rings.....	7.33	2.55
26 05 33 16-0022 EA One Toggle Switch, 4" Square Steel Exposed Work Cover.....	6.18	2.55
26 05 33 16-0023 EA Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	6.24	2.55
26 05 33 16-0024 EA One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	6.16	2.55
26 05 33 16-0025 EA Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	6.35	2.55
26 05 33 16-0026 EA One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	6.51	2.55
26 05 33 16-0027 EA One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	8.47	2.55
26 05 33 16-0028 EA One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	6.48	2.55
26 05 33 16-0029 EA Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	8.47	2.55
26 05 33 16-0030 EA One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	6.48	2.55
26 05 33 16-0031 EA One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	6.94	2.55

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	8.47	2.55
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	8.47	2.55
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover.....	5.62	2.55
26 05 33 16-0035		4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box.....	19.58	7.66
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box.....	17.94	7.66
		<i>For Stud Bracket, Add</i>	0.37	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box.....	26.14	7.66
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring.....	14.42	5.11
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring.....	14.82	5.11
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	7.50	2.55
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	7.52	2.55
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	8.21	2.55
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	7.93	2.55
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	7.87	2.55
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	10.77	2.55
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	8.05	2.55
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	8.20	2.55
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	8.21	2.55
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	9.24	2.55
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	9.45	2.55
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	11.93	2.55
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	7.92	2.55
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	7.99	2.55
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	9.91	2.55
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	10.45	2.55
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	9.75	2.55
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	9.17	2.55
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	11.12	2.55
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	10.44	2.55
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	10.44	2.55
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	10.44	2.55
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover.....	6.06	2.55
26 05 33 16-0064		Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	8.41	3.83
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box.....	6.25	2.56
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	10.15	3.83
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	11.04	3.83
26 05 33 16-0069		4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box.....	14.06	6.38
		<i>For Stud Bracket, Add</i>	0.95	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box.....	14.69	6.38
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover.....	5.58	2.55
26 05 33 16-0073		4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring.....	23.26	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	24.76	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring.....	25.90	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	27.01	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring.....	29.76	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring.....	32.63	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring.....	34.80	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover.....	6.45	2.55
26 05 33 16-0082		4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	22.99	6.38
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	25.32	6.89
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	30.76	7.66
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	40.92	8.42
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	62.34	9.18
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	32.74	6.38
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	35.70	6.89
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	48.29	7.66
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	62.71	8.42
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	105.44	9.18
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring.....	10.18	2.55
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring.....	10.34	2.55
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring.....	12.22	2.55
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring.....	15.44	2.55
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring.....	22.52	2.55
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover.....	8.56	2.55
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover.....	10.32	2.55
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover.....	12.66	2.55
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover.....	15.63	2.55
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover.....	23.03	2.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0103 Steel Switch Boxes <small>(26 05 33 16-0001)</small>		
26 05 33 16-0104 EA 2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	15.27	6.38
26 05 33 16-0105 EA 2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	15.55	6.38
26 05 33 16-0106 EA 3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	16.95	6.38
26 05 33 16-0107 EA 2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	20.11	6.38
26 05 33 16-0108 EA 2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	20.39	6.38
26 05 33 16-0109 EA 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	24.67	6.38
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers <small>(26 05 33 16-0001)</small>		
26 05 33 16-0111 EA 1-1/2" Deep, 4" x 2" Steel Handy Box.....	13.99	6.38
For Stud Bracket, Add	1.52	
26 05 33 16-0112 EA 1-7/8" Deep, 4" x 2" Steel Handy Box.....	14.28	6.38
For Stud Bracket, Add	0.66	
26 05 33 16-0113 EA 2-1/8" Deep, 4" x 2" Steel Handy Box.....	14.93	6.38
For Stud Bracket, Add	0.89	
26 05 33 16-0114 EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....	9.43	3.82
26 05 33 16-0115 EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....	9.14	3.82
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	3.19	1.27
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	3.24	1.27
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	2.97	1.27
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	2.99	1.27
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	3.54	1.27
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover	2.99	1.27
26 05 33 16-0122 3"-1/2" Depth, 3-3/4" Steel Masonry Boxes <small>(26 05 33 16-0001)</small>		
26 05 33 16-0123 EA 1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	21.29	8.93
26 05 33 16-0124 EA 2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	24.06	9.44
26 05 33 16-0125 EA 3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	27.83	10.21
26 05 33 16-0126 EA 4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	31.88	11.23
26 05 33 16-0127 Cast Boxes <small>(26 05 33 16)</small>		
Note: For flush or surface mount.		
26 05 33 16-0128 Cast Iron Alloy Boxes <small>(26 05 33 16-0127)</small>		
See CSI section 26 27 26 00-0252 for box covers.		
26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
Note: Up to 2" deep boxes.		
26 05 33 16-0130 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	52.33	15.32
Note: One hub.		
26 05 33 16-0131 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	54.60	17.86
Note: One hub.		
26 05 33 16-0132 EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	63.44	21.69
Note: One hub.		
26 05 33 16-0133 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	63.75	20.41
Note: Two hub.		
26 05 33 16-0134 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	83.90	24.25
Note: Two hub.		
26 05 33 16-0135 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	63.37	20.41
Note: Two hub.		
26 05 33 16-0136 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	76.61	24.25
Note: Two hubs.		
26 05 33 16-0137 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	65.72	20.41
Note: Two hubs.		
26 05 33 16-0138 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	76.64	24.25
Note: Two hubs.		
26 05 33 16-0139 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	63.37	20.41
Note: Two hubs.		
26 05 33 16-0140 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	73.75	24.25
Note: Two hubs.		
26 05 33 16-0141 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box.....	73.97	25.52
Note: Three hubs.		
26 05 33 16-0142 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box.....	86.98	30.62
Note: Three hubs.		
26 05 33 16-0143 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box.....	78.46	25.52
Note: Three hubs.		
26 05 33 16-0144 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box.....	104.12	30.62
Note: Three hubs.		
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box	81.40	25.52
Note: Three hubs.		
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box	97.08	30.62
Note: Three hubs.		
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box.....	73.58	25.52
Note: Three hubs.		
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box.....	99.06	30.62
Note: Three hubs.		
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box.....	96.26	30.62
Note: Four hubs.		
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box.....	116.07	37.00
Note: Four hubs.		

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26 05 33 16-0151		Deep, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	55.64	15.32
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	63.79	17.86
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	74.03	21.69
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	69.79	20.41
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	79.72	24.25
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	95.55	29.35
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	87.98	24.25
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	113.90	30.62
26 05 33 16-0160		Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	65.29	16.59
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	71.38	19.14
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	81.98	22.96
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	77.09	21.69
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	86.45	25.52
26 05 33 16-0166		Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	75.23	16.59
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	80.72	19.14
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	92.05	21.69
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	102.25	25.52
26 05 33 16-0171		Cast Aluminum Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0252 for box covers.		
26 05 33 16-0172		Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	47.23	12.76
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	53.20	15.32
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	56.43	19.14
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	43.37	12.76
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	55.91	15.32
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	57.81	17.86
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	69.16	21.69
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	87.32	26.80
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	64.52	17.86
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	65.89	21.69
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	60.71	17.86
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	68.17	21.69
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	58.24	17.86
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	68.17	21.69
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	52.55	17.86
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	74.22	21.69
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	66.69	22.96
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	80.81	28.07



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26 05 33 16-0191 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	72.58	22.96
26 05 33 16-0192 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	101.24	28.07
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	72.09	22.96
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	88.58	28.07
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	90.33	28.07
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	87.81	28.07
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	106.95	34.46
26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	54.07	12.76
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	64.74	15.32
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	72.30	19.14
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	70.98	15.32
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	66.66	17.86
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	80.02	21.69
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	86.30	26.80
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	81.46	21.69
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	97.70	28.07
26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	66.20	14.03
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	75.15	16.59
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	77.42	20.41
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	80.72	19.14
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	77.98	22.96
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	96.70	28.07
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	66.12	14.03
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	76.09	16.59
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	82.86	19.14
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	92.29	22.96
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	82.86	19.14
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	92.29	22.96
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	86.55	20.41
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	95.43	24.25
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box..... Note: One hub.	105.52	17.86
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box..... Note: One hub.	115.36	21.69

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26 05 33 16-0228		Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	106.74	20.41
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	135.29	22.96
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	117.98	25.52
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	117.85	22.96
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	146.87	25.52
26 05 33 16-0234		Non Metallic (PVC) Boxes (26 05 33 16) See CSI section 26 27 26 00-0252 for box covers.		
26 05 33 16-0235		Shallow, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	29.79	10.72
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	33.62	12.51
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box	36.79	15.19
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box	37.19	14.29
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box	43.40	16.97
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box	52.71	20.54
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	37.41	14.29
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	42.81	16.97
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box	50.69	20.54
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	47.54	17.86
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	52.35	21.44
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	60.59	25.90
26 05 33 16-0248		Deep, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box	30.44	10.72
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box	29.30	10.72
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box	35.16	12.51
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box	37.42	15.19
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box	38.46	14.29
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box	41.73	16.97
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box	49.45	20.54
26 05 33 16-0256		Shallow, Two Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	31.90	11.61
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	36.39	13.40
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	38.69	16.08
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box	37.56	15.19
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box	47.97	17.86
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box	56.26	21.44
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	39.07	15.19
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	52.15	17.86
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	52.90	21.44
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	47.45	18.76
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box	66.35	22.33
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	62.27	26.80
26 05 33 16-0269		Poke Thru Units (26 05 33 16)		
26 05 33 16-0270		Surface Poke Thru Units (26 05 33 16-0269) Note: Excludes concrete drilling. See CSI section 27 11 19 00-0123 for jacks.		



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26 05 33 16-0271 EA Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit 387.68 19.14 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.		
26 05 33 16-0272 EA Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements 246.72 Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.		
26 05 33 16-0273 EA Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit..... 28.51 5.11 Note: Wiremold RC37REC.		
26 05 33 16-0274 EA Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit..... 40.68 2.55 Note: Wiremold RC3APTCBK.		
26 05 33 16-0275 EA Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit 440.58 20.41 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.		
26 05 33 16-0276 EA Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements 229.60 Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.		
26 05 33 16-0277 EA Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit 50.76 7.66 Note: Wiremold RC4REC2.		
26 05 33 16-0278 EA Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit..... 40.68 2.55 Note: Wiremold RC4APTCBK.		
26 05 33 16-0279 EA Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit..... 122.56 5.11 Note: Wiremold ABPLUG4.		
26 05 33 16-0280 EA Four Jack RC9AMD Communications Poke Thru Unit 345.69 17.86 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.		
26 05 33 16-0281 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit 26.93 2.55 Note: Wiremold RC9APTCBK.		
26 05 33 16-0282 EA Eight Jack AMD8 Communications Poke Thru Unit..... 343.96 17.86 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.		
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units 39.18 2.55 Note: Includes two conduit connections for communication systems. Wiremold COM75.		
26 05 33 16-0284 Recessed Poke Thru Units (26 05 33 16-0269) Note: Excludes concrete drilling.		
26 05 33 16-0285 Evolution 6AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0286 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) 661.13 20.41 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0287 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) 661.22 20.41 Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC)..... 628.41 20.41 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT)..... 628.41 20.41 Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0290 EA Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... 661.13 20.41 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0291 EA Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA)..... 661.13 20.41 Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) 600.71 20.41 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC)..... 365.23 19.14 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.		
26 05 33 16-0294 EA Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) 394.17 19.14 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.		
26 05 33 16-0295 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) 397.04 19.14 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.		
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) 103.95 10.21 Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.		

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26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	272.08	5.11
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	272.08	5.11
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC)..... Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	224.63	5.11
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	31.53	1.27
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	11.99	2.55
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	14.56	2.55
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B)..... Note: Device plate used to blank off center compartment, when no devices are used.	11.92	2.55
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	11.97	2.55
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP)..... Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	11.86	2.55
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP)..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	14.83	2.55
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A)..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	14.63	2.55
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	15.09	2.55
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1)..... Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	11.61	2.55
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2)..... Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	11.62	2.55
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER)..... Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	11.40	2.55
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	11.40	2.55
26 05 33 16-0313	EA	20AMP Duplex Receptacles (Wiremold 68REC)..... Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	31.63	3.82
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B)..... Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	10.05	2.55
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	10.42	2.55
26 05 33 16-0316	EA	20AMP Duplex Receptacles (Wiremold 68REC-25)..... Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	112.85	4.60
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A)..... Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	14.39	2.55
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA)..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	15.19	2.55
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH)..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	15.76	2.55
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA)..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCF). Covers the center compartment and one of the side compartments.	22.06	5.11
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA)..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	24.32	6.38
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA)..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	28.00	6.38
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA)..... Note: One-gang 1 1/4" trade size conduit housing assembly.	20.82	5.11
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA)..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	15.06	2.55
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH)..... Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	15.06	2.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA)..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	16.12	2.55
26 05 33	16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA)..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	16.83	2.55
26 05 33	16-0328		Evolution 8AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33	16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	878.78	20.41
26 05 33	16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	834.63	20.41
26 05 33	16-0331	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	826.32	20.41
26 05 33	16-0332	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	818.44	20.41
26 05 33	16-0333	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	482.07	19.14
26 05 33	16-0334	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	544.27	19.14
26 05 33	16-0335	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	128.22	10.21
26 05 33	16-0336	EA	Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	294.99	5.11
26 05 33	16-0337	EA	Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	294.99	5.11
26 05 33	16-0338	EA	Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	50.41	1.27
26 05 33	16-0339	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	12.55	2.55
26 05 33	16-0340	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	12.64	2.55
26 05 33	16-0341	EA	Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCI's, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	12.75	2.55
26 05 33	16-0342	EA	Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.51	2.55
26 05 33	16-0343	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	19.76	2.55
26 05 33	16-0344	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	19.72	2.55
26 05 33	16-0345	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	12.03	2.55
26 05 33	16-0346	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	12.24	2.55
26 05 33	16-0347	EA	Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	12.03	2.55
26 05 33	16-0348	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	12.03	2.55
26 05 33	16-0349	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.38	2.55
26 05 33	16-0350	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	15.39	2.55
26 05 33	16-0351	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	18.44	2.55
26 05 33	16-0352	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	22.06	5.11

26 05 33 23 Surface Raceways For Electrical Systems (26 05 33)

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-001	Raceways <small>(26 05 33 23)</small>		
26 05 33 23-002	Wireway With Screw Cover <small>(26 05 33 23-0001)</small> Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-003	2-1/2" x 2-1/2", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0004	LF 2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add For Concrete Or Masonry Surface, Add	11.83 0.36 0.23	2.33
26 05 33 23-0005	EA 2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	9.60 0.13	3.49
26 05 33 23-0006	EA 2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	11.33 0.13	4.36
26 05 33 23-0007	EA 2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	23.95 0.38	8.16
26 05 33 23-0008	EA 2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	39.14 1.14	8.16
26 05 33 23-0009	EA 2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	58.04 1.74	11.62
26 05 33 23-0010	EA 2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	65.18 1.98	12.83
26 05 33 23-0011	4" x 4", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0012	LF 4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add For Concrete Or Masonry Surface, Add	14.48 0.43 0.29	2.94
26 05 33 23-0013	LF 4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add For Concrete Or Masonry Surface, Add	26.26 1.02 0.29	2.94
26 05 33 23-0014	EA 4" x 4", End Plate For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	7.84 0.14	2.57
26 05 33 23-0015	EA 4" x 4", Coupling For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	12.51 0.14	4.90
26 05 33 23-0016	EA 4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	28.25 0.41	9.98
26 05 33 23-0017	EA 4" x 4", Elbow For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	44.95 1.25	9.98
26 05 33 23-0018	EA 4" x 4", Tee For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	63.79 1.89	12.97
26 05 33 23-0019	EA 4" x 4", Cross For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	73.67 2.17	15.16
26 05 33 23-0020	6" x 6", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0021	LF 6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add For Concrete Or Masonry Surface, Add	21.76 0.74 0.35	3.49
26 05 33 23-0022	LF 6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add For Concrete Or Masonry Surface, Add	42.41 1.77 0.35	3.49
26 05 33 23-0023	EA 6" x 6", End Plate For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	9.97 0.22	2.80
26 05 33 23-0024	EA 6" x 6", Coupling For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	16.04 0.22	5.83
26 05 33 23-0025	EA 6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	40.16 0.85	11.62
26 05 33 23-0026	EA 6" x 6", Elbow For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	57.80 1.73	11.62
26 05 33 23-0027	EA 6" x 6", Tee For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	91.16 3.11	14.51
26 05 33 23-0028	EA 6" x 6", Cross For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	98.71 3.26	16.80
26 05 33 23-0029	8" x 8", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0030	LF 8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add For Concrete Or Masonry Surface, Add	35.26 1.38 0.38	3.83
26 05 33 23-0031	LF 8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add For Concrete Or Masonry Surface, Add	64.68 2.85 0.38	3.83
26 05 33 23-0032	EA 8" x 8", End Plate For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	10.98 0.25	3.03
26 05 33 23-0033	EA 8" x 8", Coupling For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	17.51 0.25	6.30
26 05 33 23-0034	EA 8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	44.84 0.96	12.78
26 05 33 23-0035	EA 8" x 8", Elbow For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	73.47 2.39	12.78
26 05 33 23-0036	EA 8" x 8", Tee For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	109.80 3.91	15.78
26 05 33 23-0037	EA 8" x 8", Cross For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	153.54 5.76	19.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0038 10" x 10", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039 LF 10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover.....	51.31	4.43
For Combination Hinged Screw Cover, Add	2.12	
For Concrete Or Masonry Surface, Add	0.44	
26 05 33 23-0040 LF 10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover.....	91.12	4.43
For Combination Hinged Screw Cover, Add	4.11	
For Concrete Or Masonry Surface, Add	0.44	
26 05 33 23-0041 EA 10" x 10", End Plate For Surface Mounted Wireway With Screw Cover.....	15.44	3.49
For Combination Hinged Screw Cover, Add	0.42	
26 05 33 23-0042 EA 10" x 10", Coupling For Surface Mounted Wireway With Screw Cover.....	22.44	7.00
For Combination Hinged Screw Cover, Add	0.42	
26 05 33 23-0043 EA 10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover.....	60.08	13.91
For Combination Hinged Screw Cover, Add	1.61	
26 05 33 23-0044 EA 10" x 10", Elbow For Surface Mounted Wireway With Screw Cover.....	116.89	13.91
For Combination Hinged Screw Cover, Add	4.45	
26 05 33 23-0045 EA 10" x 10", Tee For Surface Mounted Wireway With Screw Cover.....	177.12	17.54
For Combination Hinged Screw Cover, Add	7.10	
26 05 33 23-0046 EA 10" x 10", Cross For Surface Mounted Wireway With Screw Cover.....	253.15	19.83
For Combination Hinged Screw Cover, Add	10.67	
26 05 33 23-0047 12" x 12", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048 LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover.....	60.24	5.36
For Combination Hinged Screw Cover, Add	2.48	
For Concrete Or Masonry Surface, Add	0.54	
26 05 33 23-0049 LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover.....	100.24	5.36
For Combination Hinged Screw Cover, Add	4.48	
For Concrete Or Masonry Surface, Add	0.54	
26 05 33 23-0050 EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover.....	20.37	3.74
For Combination Hinged Screw Cover, Add	0.65	
26 05 33 23-0051 EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover.....	27.83	7.46
For Combination Hinged Screw Cover, Add	0.65	
26 05 33 23-0052 EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover.....	79.10	15.16
For Combination Hinged Screw Cover, Add	2.44	
26 05 33 23-0053 EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover.....	154.33	15.16
For Combination Hinged Screw Cover, Add	6.20	
26 05 33 23-0054 EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover.....	199.10	18.67
For Combination Hinged Screw Cover, Add	8.09	
26 05 33 23-0055 EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover.....	325.24	21.00
For Combination Hinged Screw Cover, Add	14.16	
26 05 33 23-0056 Surface Metal Raceways <small>(26 05 33 23-0001)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0057 One Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small>		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) <small>(26 05 33 23-0057)</small>		
Note: Available in ivory.		
26 05 33 23-0059 LF #500, 3/4" x 17/32" One Piece Surface Metal Raceway.....	2.60	0.70
For Concrete Or Masonry Surface, Add	0.07	
26 05 33 23-0060 EA #502 Bushing.....	2.16	0.93
26 05 33 23-0061 EA #504 One Or Two Hole Strap.....	2.19	0.93
26 05 33 23-0062 EA #506 Connection Cover.....	2.33	0.93
26 05 33 23-0063 EA #511 Flat 90 Degree Elbow.....	4.00	1.12
26 05 33 23-0064 EA #512 Flat 45 Degree Elbow.....	7.79	1.16
26 05 33 23-0065 EA #517 Adjustable Internal Elbow.....	5.00	1.40
26 05 33 23-0066 EA #518 Adjustable External Elbow.....	4.83	1.40
26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) <small>(26 05 33 23-0057)</small>		
Note: Available in ivory and white.		
26 05 33 23-0068 LF #700, 3/4" x 21/32" One Piece Surface Metal Raceway.....	3.21	0.93
For Concrete Or Masonry Surface, Add	0.09	
26 05 33 23-0069 EA #702 Bushing.....	2.25	0.93
26 05 33 23-0070 EA #704 One Or Two Hole Strap.....	2.36	0.93
26 05 33 23-0071 EA #706 Connection Cover.....	2.40	0.93
26 05 33 23-0072 EA #711 Flat 90 Degree Elbow.....	5.58	1.87
26 05 33 23-0073 EA #712 Flat 45 Degree Elbow.....	10.46	1.87
26 05 33 23-0074 EA #717 Adjustable Internal Elbow.....	6.24	1.87
26 05 33 23-0075 EA #718 Adjustable External Elbow.....	5.93	1.87
26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) <small>(26 05 33 23-0057)</small>		
Note: Available in ivory.		
26 05 33 23-0077 EA #5700F 18" Flex Fitting, For #500 Or 700.....	23.23	1.40
26 05 33 23-0078 EA #5701 Galvanized Coupling, For #500 Or 700.....	2.35	0.93
26 05 33 23-0079 EA #5703 Supporting Clip, For #500 Or 700.....	2.35	0.93
26 05 33 23-0080 EA #5709 Ground Clamp.....	8.88	1.40
26 05 33 23-0081 EA #5709GC Grounding Connector.....	7.15	1.40

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 23-0082	EA	#5711 L Or R (Left Or Right) Twisted Internal Ell	7.69	1.87
26 05 33 23-0083	EA	#5715 Tee	8.28	2.33
26 05 33 23-0084	EA	#5719 Corner Box, 2-1/2" x 2-3/8" x 2-1/2"	17.88	1.87
26 05 33 23-0085	EA	#57242 Utility Box For #500 Or #700	13.08	1.87
26 05 33 23-0086	EA	#5731 Blank Cover, 2-3/8" Diameter	6.76	1.16
26 05 33 23-0087	EA	#5733 Outlet Box, 3" Diameter	16.89	1.87
26 05 33 23-0088	EA	#5735 Distribution Box, 4-3/4" Square x 1-3/8" Deep	16.80	1.87
26 05 33 23-0089	EA	#5736 Blank Cover, 4-3/8"	7.28	1.16
26 05 33 23-0090	EA	#5737 Extension Box/Open Base, 4-3/4" Diameter	14.99	1.87
26 05 33 23-0091	EA	#5737A Extension Box/Open Base, 5-1/2" Diameter	14.37	1.87
26 05 33 23-0092	EA	#5738 Fixture Box/Solid Base, 4-3/4" Diameter	14.51	1.87
26 05 33 23-0093	EA	#5738A Fixture Box/Solid Base, 5-1/2" Diameter	14.51	1.87
26 05 33 23-0094	EA	#5738AF Fan Box/Solid Base, 5-1/2" Diameter	16.80	1.87
26 05 33 23-0095	EA	#5739 Fixture Box/Solid Base, 6-3/8"	16.56	1.87
26 05 33 23-0096	EA	#5739A Extension Box/Open Base, 6-3/8" Diameter	17.87	1.87
26 05 33 23-0097	EA	#57240 Standard Switch Box For #500, Or #700	18.66	3.03
26 05 33 23-0098	EA	#57243G Duplex Receptacle And Box, Ground, For #500 Or #700	27.90	5.83
26 05 33 23-0099	EA	#5741 Switch And Receptacle Box For Shallow Type Switches, 2-13/16" x 4-5/8" x 1-3/8"	12.91	3.03
26 05 33 23-0100	EA	#5744 Extra Deep Switch And Receptacle Box, 1 Gang, 4-5/8" x 2-7/8" x 2-3/4"	23.30	3.03
26 05 33 23-0101	EA	#5744-2 Extra Deep Switch And Receptacle Box, 2 Gang, 4-3/4" x 4-3/4" x 2-3/4"	27.43	3.03
26 05 33 23-0102	EA	#5744-3 Extra Deep Switch And Receptacle Box, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4"	44.19	3.03
26 05 33 23-0103	EA	#5744S Signal Box 1 Gang	21.40	2.57
26 05 33 23-0104	EA	#5744S-2 Signal Box 2 Gang	24.37	2.57
26 05 33 23-0105	EA	#5744S-3 Signal Box 3 Gang	41.61	2.57
26 05 33 23-0106	EA	#5745 Combination Switch And Receptacle Box With 1/2" KO's, 4-5/8" x 2-7/8" x 1-3/4"	13.70	3.03
26 05 33 23-0107	EA	#5747 Shallow Switch And Receptacle Box For Standard Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/8"	11.45	3.03
26 05 33 23-0108	EA	#5747-2 Shallow Switch And Receptacle Box For Standard Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/8"	18.11	3.03
26 05 33 23-0109	EA	#5747-3 Shallow Switch And Receptacle Box For Standard Shallow Devices, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4"	39.91	3.03
26 05 33 23-0110	EA	#5748 Switch And Receptacle Box For Deep Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	12.58	3.03
26 05 33 23-0111	EA	#5748-2 Switch And Receptacle Box For Deep Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4"	19.46	3.03
26 05 33 23-0112	EA	#5748-3 Switch And Receptacle Box For Deep Devices, 3 Gang, 4-5/8" x 6-1/2" x 1-3/4"	38.65	3.03
26 05 33 23-0113	EA	#5748-4 Switch And Receptacle Box For Deep Devices, 4 Gang, 4-5/8" x 8-11/32" x 1-3/4"	59.75	3.03
26 05 33 23-0114	EA	#5748-5 Switch And Receptacle Box For Deep Devices, 5 Gang, 4-5/8" x 10-5/32" x 1-3/4"	101.73	3.03
26 05 33 23-0115	EA	#5748-6 Switch And Receptacle Box For Deep Devices, 6 Gang, 4-5/8" x 11-31/32" x 1-3/4"	103.60	3.03
26 05 33 23-0116	EA	#5748-S Shallow Switch And Receptacle Box For Shallow Duplex Devices, 4-3/8" x 2-7/8" x 15/16"	12.37	3.03
26 05 33 23-0117	EA	#5751 Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 15/16"	11.89	3.03
26 05 33 23-0118	EA	#5751-2 Flush-Type Extension Adapter, 2 Gang, 4-3/4" x 4-3/4" x 15/16"	17.44	3.03
26 05 33 23-0119	EA	#5751-3 Flush-Type Extension Adapter, 3 Gang, 4-5/8" x 6-1/2" x 15/16"	39.07	3.03
26 05 33 23-0120	EA	#5751A Deep Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4"	13.25	3.03
26 05 33 23-0121	EA	#5752 Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 1-3/8"	18.61	3.03
26 05 33 23-0122	EA	#5753 Extra Deep Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 2-3/4"	28.98	3.03
26 05 33 23-0123	EA	#5760 Blank Extension Box	9.88	1.16
26 05 33 23-0124	EA	#5780 Special Nipple, 1/2"	9.32	1.16
26 05 33 23-0125	EA	#5781 1/2" Box Connector	5.56	1.16
26 05 33 23-0126	EA	#5781A 3/4" Box Connector	11.80	1.40
26 05 33 23-0127	EA	#5782 1/2" Conduit Connector	5.63	1.16
26 05 33 23-0128	EA	#5782A 3/4" Conduit Connector	15.37	1.40
26 05 33 23-0129	EA	#5784 1/2" Elbow Conduit Connector	13.53	1.40
26 05 33 23-0130	EA	#5785 Combination Connector, To Any 3-1/4" Or 4" Outlet Box	6.51	1.40
26 05 33 23-0131	EA	#5786 Offset Connector	12.40	1.40
26 05 33 23-0132	EA	#5790B Armor Cable Connector	5.75	1.16
26 05 33 23-0133	EA	#5791 1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700	5.25	0.93

26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) (26 05

33 23-0057)

Note: Galvanized finish.

26 05 33 23-0135	LF	#1500-10, 1-9/16" x 11/32" One Piece Surface Metal Raceway	4.80	1.16
		<i>For Concrete Or Masonry Surface, Add</i>	0.12	
26 05 33 23-0136	EA	#1500WC Wire Clip	2.69	0.93
26 05 33 23-0137	EA	#1502 Bushing	3.09	1.16
26 05 33 23-0138	EA	#1504 2-Hole Strap	3.37	1.40
26 05 33 23-0139	EA	#1511 Flat Elbow	14.53	4.43
26 05 33 23-0140	EA	#1517 Internal Elbow	15.23	4.43
26 05 33 23-0141	EA	#1517B Adapter Fitting	16.86	4.43
26 05 33 23-0142	EA	#1518 External Elbow	16.72	4.43
26 05 33 23-0143	EA	#1528 Utility Box	16.53	3.03
26 05 33 23-0144	EA	#1542D Junction Box	17.19	3.03
26 05 33 23-0145	EA	#1543GL Duplex Receptacle	33.85	5.83
26 05 33 23-0146	EA	#1546A Single Receptacle Box	17.83	3.03
26 05 33 23-0147	EA	#1546B Duplex Receptacle Box	22.81	3.03
26 05 33 23-0148	EA	#1546T Telephone Box	22.29	3.03
26 05 33 23-0149	EA	#1585 Combination Connection	10.87	1.40

26 05 33 23-0150 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) (26 05

33 23-0057)

Note: Galvanized finish.

26 05 33 23-0151	LF	#2600-10, 2-7/32" x 28/32" One Piece Surface Metal Raceway	8.12	2.10
		<i>For Concrete Or Masonry Surface, Add</i>	0.21	
26 05 33 23-0152	EA	#2600WC Wire Clip	2.81	0.93
26 05 33 23-0153	EA	#2602 Fiber Bushing	3.34	0.93
26 05 33 23-0154	EA	#2611 2-5/8 90 Degree Flat Elbow	14.98	1.64
26 05 33 23-0155	EA	#2642D Junction Box, 5" Diameter	22.64	2.33
26 05 33 23-0156	EA	#2686FO Service Fitting	21.28	2.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0157	Two Piece Surface Metal Raceways (26 05 33 23-0056) Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0158	1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) (26 05 33 23-0157) Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0159	LF #2000BC, 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover.....	4.77	1.16
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.12</i>	
26 05 33 23-0160	EA #2000WC Wire Clip.....	2.03	0.93
26 05 33 23-0161	EA #2001 Coupling.....	4.98	1.16
26 05 33 23-0162	EA #2003 Supporting Clip.....	2.99	0.70
26 05 33 23-0163	EA #2006 Cover Clip.....	2.68	0.70
26 05 33 23-0164	EA #2009 Ground Clamp.....	8.14	1.16
26 05 33 23-0165	EA #2010A2 Entrance End Fitting.....	13.98	3.49
26 05 33 23-0166	EA #2010A3 Entrance End Fitting.....	26.28	4.67
26 05 33 23-0167	EA #2010B Blank End Fitting.....	3.27	1.16
26 05 33 23-0168	EA #2011 Flat 90 Degree Elbow.....	11.96	3.03
26 05 33 23-0169	EA #2015 Tee.....	24.04	4.39
26 05 33 23-0170	EA #2017TC Internal Corner Coupling.....	6.98	2.33
26 05 33 23-0171	EA #2048 Single Gang device Box.....	18.86	4.16
26 05 33 23-0172	EA #2048-2 2-Gang device Box.....	33.28	4.62
26 05 33 23-0173	EA #2051H Flush Plate Adapter.....	20.23	4.62
26 05 33 23-0174	EA #2089 Side Reducing Connector.....	19.41	2.33
26 05 33 23-0175	EA #2089E End Reducing Connector.....	7.64	1.16
26 05 33 23-0176	1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) (26 05 33 23-0157) Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF #2400B, 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base.....	3.69	1.16
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.12</i>	
26 05 33 23-0178	LF #2400BD, 1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base.....	4.23	1.16
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.12</i>	
26 05 33 23-0179	LF #2400C Raceway Cover.....	1.85	0.23
26 05 33 23-0180	EA #2400WC Wire Clip.....	1.99	0.93
26 05 33 23-0181	EA #2401 Coupling.....	4.87	1.16
26 05 33 23-0182	EA #2401D Divided Raceway Coupling.....	4.93	1.16
26 05 33 23-0183	EA #2406 Cover Clip.....	2.64	0.70
26 05 33 23-0184	EA #2407-2CM Device Bracket Frame.....	22.47	3.49
26 05 33 23-0185	EA #2407-2TJ Device Bracket Frame.....	21.28	3.49
26 05 33 23-0186	EA #2409 Ground Clamp.....	6.23	0.93
26 05 33 23-0187	EA #2410A End Fitting.....	12.80	3.49
26 05 33 23-0188	EA #2410B Blank End.....	3.27	1.16
26 05 33 23-0189	EA #2410BD Divided Blank End Fitting.....	3.34	1.16
26 05 33 23-0190	EA #2410C Entrance End Fitting.....	22.37	3.49
26 05 33 23-0191	EA #2410D Divided Entrance End Fitting.....	21.22	3.49
26 05 33 23-0192	EA #2410DFO Divided Entrance End Fitting.....	38.37	3.49
26 05 33 23-0193	EA #2410FC Full Cap Entrance End Fitting.....	28.09	3.49
26 05 33 23-0194	EA #2411D Divided Flat 90 Degree Elbow.....	15.01	3.49
26 05 33 23-0195	EA #2411DFO Radiused Divided Flat 90 Degree Elbow.....	27.43	3.49
26 05 33 23-0196	EA #2411FO Radiused Flat 90 Degree Elbow.....	24.01	3.45
26 05 33 23-0197	EA #2411M Flat 90 Degree Elbow.....	14.05	3.49
26 05 33 23-0198	EA #2415DFO Radiused Divided Tee.....	29.87	3.45
26 05 33 23-0199	EA #2415FO Radiused Tee.....	28.13	3.45
26 05 33 23-0200	EA #2415M Tee.....	17.73	3.45
26 05 33 23-0201	EA #2417D Divided Internal Coupling.....	13.87	3.45
26 05 33 23-0202	EA #2417DFO Radiused Divided Internal Coupling.....	24.98	3.45
26 05 33 23-0203	EA #2417FO Radiused Internal Coupling.....	24.07	3.45
26 05 33 23-0204	EA #2417M Internal Coupling.....	13.26	3.45
26 05 33 23-0205	EA #2418DFO Radiused Divided External Coupling.....	27.64	3.45
26 05 33 23-0206	EA #2418FO Radiused External Coupling.....	27.10	3.45
26 05 33 23-0207	EA #2418M External Coupling.....	17.34	3.45
26 05 33 23-0208	EA #2444 Extra Deep Switch And Receptacle, 1 Gang.....	25.35	3.03
26 05 33 23-0209	EA #2444-2 Extra Deep Switch And Receptacle Box, 2 Gang.....	28.69	3.03
26 05 33 23-0210	EA #2444-2LS Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang.....	28.86	3.03
26 05 33 23-0211	EA #2444D Divided Extra Deep Switch And Receptacle, 1 Gang.....	27.45	3.03
26 05 33 23-0212	EA #2444D-2A Divided Extra Deep Switch And Receptacle Box, 2 Gang.....	40.78	3.03
26 05 33 23-0213	EA #2444D-2N Divided Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang.....	35.30	3.03
26 05 33 23-0214	EA #2448 Switch And Receptacle Box For Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4".....	16.27	3.03
26 05 33 23-0215	EA #2448-2 Switch And Receptacle Box For Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4".....	27.95	3.03
26 05 33 23-0216	EA #2450 Adapter Plate, Device Bracket Type.....	8.20	1.16
26 05 33 23-0217	EA #2451H 4-1/2" x 4-1/2" Back Feed Fitting.....	18.27	3.49
26 05 33 23-0218	EA #2475D Bridge Fitting 2400/700/500.....	65.66	3.49
26 05 33 23-0219	EA #2489 Side Reducing Connector.....	17.72	1.87
26 05 33 23-0220	2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) (26 05 33 23-0157) Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF #3000B, 2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base.....	7.36	2.10
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.21</i>	
26 05 33 23-0222	LF #3000CE Raceway Cover.....	2.10	0.23
26 05 33 23-0223	EA #3000WC Wire Clips For Conductors.....	2.95	0.93
26 05 33 23-0224	EA #3001 Couplings.....	7.23	0.93

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

26 05 33 23-0225	EA	#3001A Rigid Inside Coupling.....	8.39	1.16
26 05 33 23-0226	EA	#3003 Supporting Clip	5.78	1.16
26 05 33 23-0227	EA	#3006E Clip Cover.....	2.96	0.93
26 05 33 23-0228	EA	#3007C Device Brackets	8.41	1.87
26 05 33 23-0229	EA	#3008C C-Hanger.....	8.98	1.40
26 05 33 23-0230	EA	#3010AE Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors.....	19.33	4.43
26 05 33 23-0231	EA	#3010B Blank End Fittings.....	6.75	1.87
26 05 33 23-0232	EA	#3010C Entrance End Fitting For Connecting To Rigid Or Flexible Conduit.....	22.05	4.43
26 05 33 23-0233	EA	#3011E Flat 90 Degree Elbow	34.32	5.78
26 05 33 23-0234	EA	#3014C Wall Box Connector.....	22.21	5.83
26 05 33 23-0235	EA	#3015E Tee Fitting.....	48.14	7.23
26 05 33 23-0236	EA	#3017TCE Internal Corner Coupling.....	21.41	4.43
26 05 33 23-0237	EA	#3018AE External Corner	27.81	4.43
26 05 33 23-0238	EA	#3027AE Single Receptacle Cover, With Face Diameters Of 1.38"-1.4"	18.13	4.43
26 05 33 23-0239	EA	#3028 Utility Box.....	34.90	4.43
26 05 33 23-0240	EA	#3033JE Single Receptacle Cover, With Face Diameters Of 1.56"-1.57"	11.62	1.16
26 05 33 23-0241	EA	#3036HE Blank Cover	12.86	1.16
26 05 33 23-0242	EA	#3040CE Switch Cover.....	11.58	1.16
26 05 33 23-0243	EA	#3043BE Duplex Receptacle Cover.....	11.11	1.40
26 05 33 23-0244	EA	#3043GE 15 Amp, 125 Volt Duplex Grounding Receptacle And Cover.....	27.37	6.07
26 05 33 23-0245	EA	#3044-2 Extra Deep Switch And Receptacle Box, 2 Gang	40.04	4.43
26 05 33 23-0246	EA	#3046BE Duplex Receptacle Cover.....	11.36	1.40
26 05 33 23-0247	EA	#3046H-2 Tap Off Fitting	11.07	1.16
26 05 33 23-0248	EA	#3046KD Circuit Breaker Housing, 1-15/16" Deep x 6" Long	45.18	2.80
26 05 33 23-0249	EA	#3046KTSQ Circuit Breaker Housing, 2-3/4" Deep x 7-3/8" Long	113.62	2.80
26 05 33 23-0250	EA	#3046QOU Circuit Breaker Housing, 1-13/16" Deep x 7-3/8" Long	39.04	2.80
26 05 33 23-0251	EA	#3046S Bump Up Device Plate Cover, 1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide.....	42.44	2.80
26 05 33 23-0252	EA	#3046U Bump Up Device Plate Cover, 1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide.....	42.44	2.80
26 05 33 23-0253	EA	#3048R Rectangular Receptacle Cover.....	13.07	1.40

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) (26 05 33)

23-0157
 Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	#4000B-10, 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base	9.59	2.10
		<i>For Concrete Or Masonry Surface, Add</i>	0.23	
26 05 33 23-0256	LF	#4000C Raceway Cover.....	3.86	0.23
26 05 33 23-0257	LF	#4000D Divider	1.70	0.23
26 05 33 23-0258	EA	#4000WC Wire Clips For Conductors.....	3.92	1.16
26 05 33 23-0259	EA	#4001A Couplings.....	9.77	1.40
26 05 33 23-0260	EA	#4001D Divider Clip.....	4.00	1.40
26 05 33 23-0261	EA	#4006 Seam Clip	4.10	1.40
26 05 33 23-0262	EA	#4007C-1 Device Plate, 1 Gang	56.75	3.03
26 05 33 23-0263	EA	#4007C-1R Single Device Fitting	60.33	3.03
26 05 33 23-0264	EA	#4007C-2 Device Plate, 2 Gang	64.56	3.03
26 05 33 23-0265	EA	#4010B Blank End Fittings.....	10.93	1.87
26 05 33 23-0266	EA	#4010DFO Entrance End Fitting	41.93	7.19
26 05 33 23-0267	EA	#4011 Flat 90 Degree Elbow	40.25	5.83
26 05 33 23-0268	EA	#4011FO Radiused Flat 90 Degree Elbow	49.11	5.83
26 05 33 23-0269	EA	#4012TX Internal Or External 45 Degree Elbow.....	42.52	7.23
26 05 33 23-0270	EA	#4014A Wall Box Connector	60.25	7.23
26 05 33 23-0271	EA	#4015 Tee Fitting.....	68.03	7.23
26 05 33 23-0272	EA	#4015D Divided Tee Fitting	71.16	7.23
26 05 33 23-0273	EA	#4015DFO Radiused Full Capacity Divided Tee Fitting.....	87.07	7.23
26 05 33 23-0274	EA	#4015FO Radiused Tee Fitting.....	87.37	7.23
26 05 33 23-0275	EA	#4017 Internal Elbow	32.53	7.23
26 05 33 23-0276	EA	#4017FO Internal Elbow	66.64	7.23
26 05 33 23-0277	EA	#4017N Inverted Internal Elbow.....	37.22	7.23
26 05 33 23-0278	EA	#4017TCA Internal Corner Coupling.....	30.05	7.23
26 05 33 23-0279	EA	#4018 External Elbow	53.84	7.23
26 05 33 23-0280	EA	#4018FO Radiused External Elbow.....	64.21	7.23
26 05 33 23-0281	EA	#4046ARJ Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover.....	58.93	3.03
26 05 33 23-0282	EA	#4046B-2 Double Duplex Receptacle Outlet Cover	62.76	3.03
26 05 33 23-0283	EA	#4046DRJ Duplex Receptacle And Two RJ11/45 Modular Connector Cover.....	62.76	3.03
26 05 33 23-0284	EA	#4046DRJ-2 Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover.....	85.43	3.03
26 05 33 23-0285	EA	#4046H-2 Tap-Off Fitting	14.35	3.03
26 05 33 23-0286	EA	#4046JRJ Combination Single Receptacle And Phone Outlet Center.....	55.66	1.40
26 05 33 23-0287	EA	#4046RRJ Rectangular Receptacle And Two RJ11/45 Modular Connector Cover	64.34	3.03
26 05 33 23-0288	EA	#4050 Device Mounting Bracket	17.77	3.03
26 05 33 23-0289	EA	#4074A Take-off Connector, #4000 To #3000.....	88.57	7.23
26 05 33 23-0290	EA	#4075D Bridge Fitting	78.74	7.23
26 05 33 23-0291	EA	#4075DA Bridge Fitting.....	78.74	7.23
26 05 33 23-0292	EA	#4086A Panel Connector.....	51.43	13.77
26 05 33 23-0293	EA	#4089 Reducing Connector Fitting.....	33.51	7.23

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) (26 05)

33 23-0157
 Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	#6000B-10, 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base	15.05	2.57
		<i>For Concrete Or Masonry Surface, Add</i>	0.26	
26 05 33 23-0296	LF	#6000C Raceway Cover.....	4.55	0.70
26 05 33 23-0297	LF	#6000DA Divider.....	5.01	0.70
26 05 33 23-0298	EA	#6000WC Wire Clips For Conductors.....	4.69	1.16
26 05 33 23-0299	EA	#6001A Couplings.....	11.62	2.33
26 05 33 23-0300	EA	#6001D Divider Clip.....	5.57	1.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0301 EA #6001TX Converter Coupling	15.73	3.03
26 05 33 23-0302 EA #6006 Connection Cover	14.70	3.03
26 05 33 23-0303 EA #6007C-1 Single Gang Device Plate	15.64	3.03
26 05 33 23-0304 EA #6007C-2 Two Gang Device Plate	17.55	3.03
26 05 33 23-0305 EA #6008A C-Hanger	25.47	4.43
26 05 33 23-0306 EA #6010B Blank End Fittings.....	24.15	7.00
26 05 33 23-0307 EA #6011TX Combination Flat Elbow	54.49	7.00
26 05 33 23-0308 EA #6012TX Internal - External 45 Degree Elbow.....	55.98	6.72
26 05 33 23-0309 EA #6014A Connector Fitting	83.43	7.23
26 05 33 23-0310 EA #6017TX Combination Internal-External Elbow	55.43	7.93
26 05 33 23-0311 EA #6046KD Circuit Breaker Housing.....	105.35	7.93
26 05 33 23-0312 EA #6074 Take-off Connector, #6000 To #6000.....	102.64	7.00
26 05 33 23-0313 EA #6074A Take-off Connector, #6000 To #4000.....	111.90	7.00
26 05 33 23-0314 EA #6086 Panel Connector	49.93	16.24
26 05 33 23-0315 Two Piece Surface Aluminum Raceways (26 05 33 23-0056)		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) (26 05 33 23-0315)		
26 05 33 23-0317 LF #AL2000B, 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base.....	6.60	1.16
For Concrete Or Masonry Surface, Add	0.12	
26 05 33 23-0318 LF #AL2000C Aluminum Raceway Cover.....	3.84	0.23
26 05 33 23-0319 EA #AL2000WC Wire Clip.....	2.99	0.93
26 05 33 23-0320 EA #AL2001 Coupling	5.70	1.16
26 05 33 23-0321 EA #AL2003 Supporting Clip.....	3.32	0.70
26 05 33 23-0322 EA #AL2006 Cover Clip.....	4.51	0.70
26 05 33 23-0323 EA #AL2009 Ground Clamp	6.19	1.16
26 05 33 23-0324 EA #AL2010A Entrance End Fitting.....	16.95	3.49
26 05 33 23-0325 EA #AL2010B Blank End Fitting	5.42	1.16
26 05 33 23-0326 EA #AL2011 Flat 90 Degree Elbow	21.26	3.03
26 05 33 23-0327 EA #AL2015 Tee	28.37	4.39
26 05 33 23-0328 EA #AL2017 Internal Corner Elbow.....	19.92	2.33
26 05 33 23-0329 EA #AL2018 External Corner Elbow.....	19.87	2.33
26 05 33 23-0330 EA #AL2043 In-Line Receptacle, Two 15 Amp	31.16	4.62
26 05 33 23-0331 EA #AL2038 4-13/16" Round Fixture Box	82.70	4.16
26 05 33 23-0332 EA #AL2044 4-1/2" x 3" x 2-1/4" D Box.....	33.06	4.16
26 05 33 23-0333 EA #AL2044-2 4-5/8" x 4-7/8" x 2-1/2" D Box.....	74.88	4.62
26 05 33 23-0334 EA #AL2047 Single Gang Shallow Device Box.....	34.47	4.16
26 05 33 23-0335 EA #AL2047-2 2-Gang Shallow Device Box.....	65.33	4.62
26 05 33 23-0336 EA #AL2051H Flush Plate Adapter	23.75	4.62
26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) (26 05 33 23-0315)		
26 05 33 23-0338 LF #AL2400B, 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base.....	7.46	1.16
For Concrete Or Masonry Surface, Add	0.12	
26 05 33 23-0339 LF #AL2400C Aluminum Raceway Cover.....	3.87	0.23
26 05 33 23-0340 EA #AL2400WC Wire Clip.....	4.40	0.93
26 05 33 23-0341 EA #AL2401 Coupling	7.04	1.16
26 05 33 23-0342 EA #AL2406 Cover Clip.....	6.05	0.70
26 05 33 23-0343 EA #AL2409 Ground Clamp	5.19	0.93
26 05 33 23-0344 EA #AL2410B Blank End.....	6.09	1.16
26 05 33 23-0345 EA #AL2410B2 End Fitting	11.56	3.49
26 05 33 23-0346 EA #AL2411 Flat 90 Degree Elbow.....	25.38	3.49
26 05 33 23-0347 EA #AL2415 Tee.....	28.19	3.45
26 05 33 23-0348 EA #AL2416 Fourway Fitting.....	34.02	3.45
26 05 33 23-0349 EA #AL2417 Internal Coupling	25.30	3.45
26 05 33 23-0350 EA #AL2418 External Coupling.....	27.65	3.45
26 05 33 23-0351 EA #AL2451H 4-1/2" x 4-1/2" Back Feed Fitting	22.10	3.49
26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) (26 05 33 23-0315)		
26 05 33 23-0353 LF #AL3300B, 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base.....	12.77	2.10
For Concrete Or Masonry Surface, Add	0.21	
26 05 33 23-0354 LF #AL3300CE Aluminum Raceway Cover	4.35	0.23
26 05 33 23-0355 LF #AL3300D Raceway Divider.....	3.53	2.10
26 05 33 23-0356 EA #AL3300WC Wire Clips For Conductors	6.52	0.93
26 05 33 23-0357 EA #AL3301 Couplings	10.59	0.93
26 05 33 23-0358 EA #AL3301D Divider Coupling.....	9.70	1.16
26 05 33 23-0359 EA #AL3309 Ground Clamp	6.30	0.93
26 05 33 23-0360 EA #AL3310B Blank End Fittings	13.22	1.87
26 05 33 23-0361 EA #AL3310B1 End Fitting.....	19.31	4.43
26 05 33 23-0362 EA #AL3311 Flat 90 Degree Elbow.....	70.59	5.78
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363 EA #AL3315 Tee Fitting	80.03	7.23
Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364 EA #AL3316 Cross Fitting	91.98	7.23
Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365 EA #AL3317 Internal Elbow.....	67.66	4.43
Note: Includes two (2) AL3301 couplings.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0366 EA #AL3318 External Elbow.....	67.74	4.43
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367 EA #AL3346D Duplex Receptacle Cover	14.37	1.40
26 05 33 23-0368 EA #AL3346E Single Receptacle Cover	14.26	1.40
26 05 33 23-0369 EA #AL3346G GFCI/ Surge Receptacle Cover	14.09	1.40
26 05 33 23-0370 EA #AL3356R Single Device Cover Plate	14.46	1.16
26 05 33 23-0371 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0372 LF #AL5200B-10, 5" x 2" Two Piece Surface Aluminum Raceway Base	15.69	2.10
<i>For Concrete Or Masonry Surface, Add</i>	0.23	
26 05 33 23-0373 LF #AL5200C Aluminum Raceway Cover	7.08	0.23
26 05 33 23-0374 LF #AL5200D Divider.....	4.05	0.23
26 05 33 23-0375 EA #AL5200WC Wire Clips For Conductors.....	5.26	1.16
26 05 33 23-0376 EA #AL5200WC2 Wire Clips For Conductors.....	4.26	1.16
26 05 33 23-0377 EA #AL5200WC3 Wire Clips For Conductors.....	4.22	1.16
26 05 33 23-0378 EA #AL5201 Couplings.....	9.28	1.40
26 05 33 23-0379 EA #AL5206 Cover Clip.....	8.85	1.40
26 05 33 23-0380 EA #AL5209 Ground Adapter	10.54	1.40
26 05 33 23-0381 EA #AL5210B Blank End Fittings	11.60	1.87
26 05 33 23-0382 EA #AL5210B1 Blank End Fittings	12.63	1.87
26 05 33 23-0383 EA #AL5210B2 Blank End Fittings	12.86	1.87
26 05 33 23-0384 EA #AL5210B3 Blank End Fittings	12.39	1.87
26 05 33 23-0385 EA #AL5211 Flat 90 Degree Elbow	69.98	5.83
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386 EA #AL5214 Wall Box Connector	51.47	7.23
26 05 33 23-0387 EA #AL5215 Tee Fitting.....	81.35	7.23
Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388 EA #AL5216 Four Way Fitting	90.19	7.23
Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389 EA #AL5217 Internal Elbow.....	71.05	7.23
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390 EA #AL5217A Internal Corner Coupling	24.53	7.23
26 05 33 23-0391 EA #AL5217N Inverted Internal Elbow	73.30	7.23
26 05 33 23-0392 EA #AL5218 External Elbow.....	71.75	7.23
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393 EA #AL5246B Blank Device Cover Plate.....	15.59	1.40
26 05 33 23-0394 EA #AL5246D Receptacle Device Cover Plate	18.82	1.40
26 05 33 23-0395 EA #AL5246DD Double Receptacle Device Cover Plate.....	22.69	1.40
26 05 33 23-0396 EA #AL5246F Device Cover Plate.....	21.16	1.40
26 05 33 23-0397 EA #AL5246G Device Cover Plate.....	19.40	1.40
26 05 33 23-0398 EA #AL5260 Offset Divider.....	16.80	3.03
26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0400 LF #ALA3800B-10 Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base	14.56	2.10
26 05 33 23-0401 EA #ALA3806 Cover Clip	6.41	1.40
26 05 33 23-0402 EA #ALA3810B Blank End Fittings.....	12.27	1.87
26 05 33 23-0403 EA #ALA3810B1 Entrance End Cap Fittings	13.42	1.87
26 05 33 23-0404 EA #ALA3811 Flat 90 Degree Elbow.....	75.08	5.83
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405 EA #ALA3815 Flat Tee Fitting	75.39	7.23
Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406 EA #ALA3817 Internal Elbow	73.20	7.23
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0407 EA #ALA3817N Inverted Internal Elbow	88.34	7.23
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0408 EA #ALA3818 External Elbow	74.32	7.23
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0409 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0410 LF #ALA4800B-10 Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base	24.51	2.10
26 05 33 23-0411 EA #ALA4806 Cover Clip	9.90	1.40
26 05 33 23-0412 EA #ALA4810B Blank End Fittings.....	12.92	1.87
26 05 33 23-0413 EA #ALA4810B2 Entrance End Cap Fittings.....	14.73	1.87
26 05 33 23-0414 EA #ALA4811 Flat 90 Degree Elbow.....	94.60	5.83
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0415 EA #ALA4815 Flat Tee Fitting	130.73	7.23
Note: Includes six (6) ALA01 couplings.		
26 05 33 23-0416 EA #ALA4817 Internal Elbow	84.36	7.23
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0417 EA #ALA4817N Inverted Internal Elbow	101.44	7.23
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0418 EA #ALA4818 External Elbow	89.17	7.23
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0419 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0420 LF #ALAC-5 3" Wide Aluminum Raceway Cover.....	5.31	0.23
Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.		
26 05 33 23-0421 EA #ALAWC Wire Clips.....	4.33	1.16
26 05 33 23-0422 EA #ALA01 Slide Couplings	10.28	1.40



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0423	EA		#ALA09 Grounding Adapter.....	8.26	1.40
26 05 33 23-0424	EA		#ALA11RI Bend Radius Control Insert For Flat Elbow	22.29	5.83
26 05 33 23-0425	EA		#ALA17A Internal Corner Coupling.....	26.13	7.23
26 05 33 23-0426	EA		#ALA17/18RI Bend Radius Control Insert For Internal And External Elbow	25.90	5.83
26 05 33 23-0427	EA		#ALA-BL Blank Cover Plate.....	12.51	1.40
26 05 33 23-0428	EA		#ALA-DR Duplex Receptacle Cover Plate.....	13.50	1.40
26 05 33 23-0429	EA		#ALA-E Single Receptacle Cover Plate, 1.40" Diameter Opening.....	14.15	1.40
26 05 33 23-0430	EA		#ALA-F Single Receptacle Cover Plate, 1.59" Diameter Opening.....	14.78	1.40
26 05 33 23-0431	EA		#ALA-G GFCI/Surge/Decorator Cover Plate.....	13.63	1.40
26 05 33 23-0432	EA		#ALA-J Single Receptacle Cover Plate, 2.13" Diameter Opening	14.17	1.40
26 05 33 23-0433	EA		#ALA-N Toggle Switch Cover Plate	14.59	1.40
26 05 33 23-0434	EA		#ALA-LPB Active LPB Cover Plate.....	19.38	1.40
26 05 33 23-0435	EA		#ALA-MAB Active MAB Cover Plate.....	18.07	1.40
26 05 33 23-0436	EA		#ALA-MABRT Ortronics Cover Plate.....	21.19	1.40
26 05 33 23-0437	EA		#ALA-SG 1-3/4" x 2-3/4" Cover Plate	14.02	1.40
26 05 33 23-0438	EA		#ALA-2A Active 2A Cover Plate.....	20.39	1.40
26 05 33 23-0439	EA		#ALA-ABRT Ortronics Communications Cover Plate	18.46	1.40
26 05 33 23-0440	EA		#ALA-Z 3/4" Grommet/Mousehole Cover Plate	14.55	1.40
26 05 33 23-0441	EA		#ALA-LPB3S2 Ortronics Low Profile Cover Plate.....	18.64	1.40
26 05 33 23-0442			Surface Metal Raceway, Preassembled With Outlets <small>(26 05 33 23-0056)</small>		
			Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0443	LF		Plugmold #2000, 3' With Outlets 6" On Center, Single Circuit.....	17.18	3.72
			<i>For Concrete Or Masonry Surface, Add</i>	0.37	
26 05 33 23-0444	LF		Plugmold #2000, 6' With Outlets 6" On Center, Single Circuit.....	13.73	2.65
			<i>For Concrete Or Masonry Surface, Add</i>	0.27	
26 05 33 23-0445	LF		Plugmold #2000, 6' With Outlets 9" On Center, Single Circuit.....	12.38	2.81
			<i>For Concrete Or Masonry Surface, Add</i>	0.28	
26 05 33 23-0446	LF		Plugmold #2000, 6' With Outlets 12" On Center, Single Circuit.....	14.45	2.65
			<i>For Concrete Or Masonry Surface, Add</i>	0.27	
26 05 33 23-0447	LF		Plugmold #2000, 6' With Outlets 18" On Center, Single Circuit.....	10.69	2.71
			<i>For Concrete Or Masonry Surface, Add</i>	0.27	
26 05 33 23-0448	LF		Plugmold #2000, 6' With Outlets 9" On Center, Two Circuits	16.83	2.65
			<i>For Concrete Or Masonry Surface, Add</i>	0.27	
26 05 33 23-0449	LF		Plugmold #2000, 6' With Outlets 12" On Center, Two Circuits	14.24	2.65
			<i>For Concrete Or Masonry Surface, Add</i>	0.27	
26 05 33 23-0450	LF		Plugmold #2000, 6' With Outlets 18" On Center, Two Circuits	15.80	2.65
			<i>For Concrete Or Masonry Surface, Add</i>	0.27	
26 05 33 23-0451			Surface Non-Metallic Raceways <small>(26 05 33 23-0001)</small>		
			Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0452			One Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0451)</small>		
			Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0453			#400, 7/8" x 7/16" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0454	LF		#400BAC, 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	4.05	0.93
			<i>For Concrete Or Masonry Surface, Add</i>	0.09	
26 05 33 23-0455	EA		#400WC Wire Clip	2.33	0.93
26 05 33 23-0456	EA		#406 Cover Clip.....	2.62	0.93
26 05 33 23-0457	EA		#410B Blank End Clip.....	4.81	1.87
26 05 33 23-0458	EA		#411 Flat 90 Degree Elbow	6.63	1.87
26 05 33 23-0459	EA		#415 Tee.....	8.38	2.33
26 05 33 23-0460	EA		#417 Internal Elbow.....	6.40	1.87
26 05 33 23-0461	EA		#418 External Elbow.....	6.40	1.87
26 05 33 23-0462			#800, 1-5/16" x 7/16" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0463	LF		#800BAC, 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover	4.41	0.93
			<i>For Concrete Or Masonry Surface, Add</i>	0.09	
26 05 33 23-0464	EA		#800WC Wire Clip	2.29	0.93
26 05 33 23-0465	EA		#806 Cover Clip.....	2.38	0.93
26 05 33 23-0466	EA		#810A2 Entrance End Fitting.....	9.38	1.87
26 05 33 23-0467	EA		#810B Blank End Fitting	4.65	1.87
26 05 33 23-0468	EA		#811 Flat 90 Degree Elbow	6.02	1.87
26 05 33 23-0469	EA		#815 Tee.....	7.58	2.33
26 05 33 23-0470	EA		#817 Internal Elbow.....	5.82	1.87
26 05 33 23-0471	EA		#818 External Elbow.....	5.82	1.87
26 05 33 23-0472	EA		#889A End Reducer, #800 To #400	7.11	1.87
26 05 33 23-0473			#2300, 2-1/4" x 11/16" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0474	LF		#2300BAC, 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover	5.40	0.93
			<i>For Concrete Or Masonry Surface, Add</i>	0.09	
26 05 33 23-0475	LF		#2300BACD, 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover	5.88	0.93
			<i>For Concrete Or Masonry Surface, Add</i>	0.09	
26 05 33 23-0476	EA		#2300WC Wire Clip	2.50	0.93
26 05 33 23-0477	EA		#2306 Cover Clip	2.75	0.93
26 05 33 23-0478	EA		#2310A Entrance End Fitting.....	10.55	1.87
26 05 33 23-0479	EA		#2310B Blank End Fitting	5.12	1.87
26 05 33 23-0480	EA		#2310DFO Divided Entrance End Fitting.....	12.40	1.87

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 23-0481	EA	#2311 Flat 90 Degree Elbow	6.21	1.87
26 05 33 23-0482	EA	#2311DFO Divided Flat 90 Degree Elbow	7.00	1.87
26 05 33 23-0483	EA	#2315 Tee.....	7.69	2.33
26 05 33 23-0484	EA	#2317 Internal Elbow	6.21	1.87
26 05 33 23-0485	EA	#2317DFO Divided Internal Elbow.....	7.01	1.87
26 05 33 23-0486	EA	#2318 External Elbow.....	6.24	1.87
26 05 33 23-0487	EA	#2318DFO Divided External Elbow.....	7.15	1.87
26 05 33 23-0488	EA	#2389 End Reducer, #2300 To #400.....	7.16	1.87
26 05 33 23-0489	EA	#2389A End Reducer, #2300 To #800.....	7.67	1.87
26 05 33 23-0490		#400, #800 Or #2300 Fittings (26 05 33 23-0452)		
26 05 33 23-0491	EA	#2336 Blank Cover, 4-1/2" Diameter	8.98	1.64
26 05 33 23-0492	EA	#2337A Extension Box, 5-1/2" Diameter.....	16.61	1.87
26 05 33 23-0493	EA	#2338-A Fixture Box, 5-1/2" Diameter	16.73	1.87
26 05 33 23-0494	EA	#2344 Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide.....	14.67	1.87
26 05 33 23-0495	EA	#2344-2 Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	17.69	1.87
26 05 33 23-0496	EA	#2344D Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide.....	16.37	1.87
26 05 33 23-0497	EA	#2344SD-2A Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	18.16	1.87
26 05 33 23-0498	EA	#2347 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide	11.95	3.03
26 05 33 23-0499	EA	#2347-2 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide	14.60	3.03
26 05 33 23-0500	EA	#2348 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide	12.73	3.03
26 05 33 23-0501	EA	#2348-2 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	16.72	3.03
26 05 33 23-0502	EA	#2348-3 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide	21.36	3.03
26 05 33 23-0503	EA	#2348AMP 1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide	19.89	3.03
26 05 33 23-0504	EA	#2348D 1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide.....	17.36	3.03
26 05 33 23-0505	EA	#2348S/51 Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide.....	11.55	3.03
26 05 33 23-0506		#2700, 3/4" x 3/8" (26 05 33 23-0452)		
26 05 33 23-0507	LF	#2700, 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover	3.33	0.93
		<i>For Concrete Or Masonry Surface, Add</i>	0.09	
26 05 33 23-0508	EA	#2700WC 3/4" Wire Clip	1.24	0.46
26 05 33 23-0509	EA	#2706 Cover Clip.....	2.48	0.46
26 05 33 23-0510	EA	#2710B Blank End	3.41	0.93
26 05 33 23-0511	EA	#2711 Flat 90 Degree Elbow	3.91	1.16
26 05 33 23-0512	EA	#2715 Tee.....	5.79	2.10
26 05 33 23-0513	EA	#2717 Internal Elbow	4.38	1.40
26 05 33 23-0514	EA	#2718 External Elbow	4.36	1.40
26 05 33 23-0515	EA	#2786 Drop Ceiling Connector.....	5.20	1.64
26 05 33 23-0516		#2800, 1" x 1/2" (26 05 33 23-0452)		
26 05 33 23-0517	LF	#2800, 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover	4.19	1.16
		<i>For Concrete Or Masonry Surface, Add</i>	0.12	
26 05 33 23-0518	EA	#2800WC 1" Wire Clip	1.80	0.70
26 05 33 23-0519	EA	#2806 Cover Clip	2.91	0.70
26 05 33 23-0520	EA	#2810B Blank End	3.84	1.16
26 05 33 23-0521	EA	#2811 Flat 90 Degree Elbow	4.84	1.64
26 05 33 23-0522	EA	#2811FO Radiused Flat 90 Degree Elbow	5.38	1.64
26 05 33 23-0523	EA	#2815 Tee.....	6.71	2.57
26 05 33 23-0524	EA	#2817 Internal Elbow	5.30	1.87
26 05 33 23-0525	EA	#2818 External Elbow	5.32	1.87
26 05 33 23-0526	EA	#2815FO Radiused Tee.....	7.44	2.57
26 05 33 23-0527	EA	#2817FO Radiused Internal Elbow	5.96	1.87
26 05 33 23-0528	EA	#2818FO Radiused External Elbow.....	5.86	1.87
26 05 33 23-0529	EA	#2886 Drop Ceiling Connector.....	5.98	2.10
26 05 33 23-0530	EA	#2889 2800-2700 Reducer	5.45	1.87
26 05 33 23-0531		#2900, 1-1/2" x 3/4" (26 05 33 23-0452)		
26 05 33 23-0532	LF	#2900, 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover	5.16	1.40
		<i>For Concrete Or Masonry Surface, Add</i>	0.14	
26 05 33 23-0533	EA	#2900WC 1-1/2" Wire Clip.....	2.37	0.93
26 05 33 23-0534	EA	#2906 Cover Clip	3.51	0.93
26 05 33 23-0535	EA	#2910B Blank End	4.44	1.40
26 05 33 23-0536	EA	#2911 Flat 90 Degree Elbow	5.39	1.87
26 05 33 23-0537	EA	#2911FO Radiused Flat 90 Degree Elbow	6.25	1.87
26 05 33 23-0538	EA	#2915 Tee.....	7.25	2.80
26 05 33 23-0539	EA	#2915FO Radiused Tee.....	8.14	2.80
26 05 33 23-0540	EA	#2917 Internal Elbow	5.85	2.10
26 05 33 23-0541	EA	#2917FO Radiused Internal Elbow	6.75	2.10
26 05 33 23-0542	EA	#2918FO Radiused External Elbow.....	7.00	2.10
26 05 33 23-0543	EA	#2918 External Elbow	5.84	2.10
26 05 33 23-0544	EA	#2986 Drop Ceiling Connector.....	5.99	2.10
26 05 33 23-0545	EA	#2989 2900-2800 Reducer	6.66	2.33
26 05 33 23-0546	EA	#2989A 2900-2700 Reducer.....	6.37	2.33
26 05 33 23-0547		Two Piece Surface Non-Metallic Raceways (26 05 33 23-0451)		
		Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0548		#5000, 5" x 1" (26 05 33 23-0547)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0549	LF		#5000B, 5" x 1" Two Piece Surface Non-Metallic Raceway Base <i>For Concrete Or Masonry Surface, Add</i>	8.32 0.21	2.10
26 05 33 23-0550	LF		#5000C Cover, Black, Gray Or White.....	7.69	2.10
26 05 33 23-0551	LF		#5000COA Cover, Oak Veneer.....	18.38	2.10
26 05 33 23-0552	LF		#5000CW Cover, Maple Wood Veneer.....	14.16	2.10
26 05 33 23-0553	LF		#5000T Quarter Round Trim, Black, Gray Or White.....	1.22	0.23
26 05 33 23-0554	LF		#5000TOA Quarter Round Trim, Oak Veneer.....	6.58	0.23
26 05 33 23-0555	LF		#5000TW Quarter Round Trim, Maple Wood Veneer.....	3.89	0.23
26 05 33 23-0556	EA		#5001 Base Coupling.....	6.84	2.33
26 05 33 23-0557	EA		#5004 Blank/Coax Adapter.....	4.13	1.16
26 05 33 23-0558	EA		#5005 Low Voltage Blank Plate.....	5.86	1.40
26 05 33 23-0559	EA		#5006 Cover Clip.....	7.74	2.33
26 05 33 23-0560	EA		#5006A Internal Wire Guard.....	6.92	2.33
26 05 33 23-0561	EA		#5007C Device Bracket.....	8.60	2.33
26 05 33 23-0562	EA		#5007C-1 Device Plate.....	14.64	4.67
26 05 33 23-0563	EA		#5007C-2 Deep Device Plate.....	15.50	4.67
26 05 33 23-0564	EA		#5010 End Cap, Right Or Left.....	11.93	4.43
26 05 33 23-0565	EA		#5010A Entrance End Feed.....	26.21	7.23
26 05 33 23-0566	EA		#5017B Internal Base Elbow.....	16.44	5.83
26 05 33 23-0567	EA		#5017C Internal Cover Elbow.....	16.07	4.67
26 05 33 23-0568	EA		#5017WG Internal Elbow Wire Guard.....	10.38	3.49
26 05 33 23-0569	EA		#5018B External Base Elbow.....	16.38	5.83
26 05 33 23-0570	EA		#5018C External Cover Elbow.....	16.30	4.67
26 05 33 23-0571	EA		#5018WG External Elbow Wire Guard.....	6.69	2.33
26 05 33 23-0572			#5400, 5-1/4" x 1-11/16" (26 05 33 23-0547)		
26 05 33 23-0573	LF		#5400TB Two Compartment, 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base..... <i>For Concrete Or Masonry Surface, Add</i>	9.21 0.21	2.10
26 05 33 23-0574	LF		#5400C Full Width Cover.....	4.13	0.23
26 05 33 23-0575	LF		#5400TC Twin Snap Cover.....	2.50	0.23
26 05 33 23-0576	EA		#5400TWC Twin Snap Cover Wire Clips.....	2.87	1.16
26 05 33 23-0577	EA		#5406A Cover Clip.....	5.91	1.40
26 05 33 23-0578	EA		#5406T Twin Cover Clip.....	4.57	1.40
26 05 33 23-0579	EA		#5406TB Base Seam Clip.....	3.80	1.40
26 05 33 23-0580	EA		#5408 L Or R (Left Or Right) Transition Fitting.....	35.13	7.23
26 05 33 23-0581	EA		#5410 End Cap.....	15.44	4.43
26 05 33 23-0582	EA		#5410DFO Radiused Divided Entrance Cap Fitting.....	33.26	7.23
26 05 33 23-0583	EA		#5411FO Radiused Flat 90 Degree Elbow.....	31.71	5.83
26 05 33 23-0584	EA		#5415 Tee Fitting.....	35.61	7.23
26 05 33 23-0585	EA		#5415FO Radiused Tee Fitting.....	37.94	7.23
26 05 33 23-0586	EA		#5417FO Radiused Internal Elbow.....	27.07	7.23
26 05 33 23-0587	EA		#5418 External Elbow.....	27.65	7.23
26 05 33 23-0588	EA		#5418FO Radiused External Elbow.....	28.19	7.23
26 05 33 23-0589	EA		#5450 5-5/32" x 6" Device Bracket.....	15.34	2.33
26 05 33 23-0590	EA		#5450A3 7-19/32" x 7-1/2" Device Bracket.....	21.68	2.33
26 05 33 23-0591	EA		#5450T 2-1/2" x 4-7/8" Twin Snap Device Bracket.....	10.65	2.33
26 05 33 23-0592	EA		#5474 Transition Fitting.....	29.29	7.23
26 05 33 23-0593			#5500, 6-11/16" x 1-11/16" (26 05 33 23-0547)		
26 05 33 23-0594	LF		#5500BD3 Three Compartment Divided, 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base..... <i>For Concrete Or Masonry Surface, Add</i>	12.61 0.21	2.10
26 05 33 23-0595	LF		#5500C Cover.....	5.62	0.23
26 05 33 23-0596	EA		#5500WC Wire Clips.....	3.73	1.16
26 05 33 23-0597	EA		#5506 Cover Clip.....	7.03	1.40
26 05 33 23-0598	EA		#5506B Base Seam Clip Fitting.....	4.17	1.40
26 05 33 23-0599	EA		#5507AD Modular Furniture Adapter.....	6.36	1.40
26 05 33 23-0600	EA		#5507B Blank Faceplate.....	6.40	1.40
26 05 33 23-0601	EA		#5507D Duplex Receptacle Faceplate.....	6.45	1.40
26 05 33 23-0602	EA		#5507FRJ Dual RJ Connector Faceplate.....	6.45	1.40
26 05 33 23-0603	EA		#5507R Rectangular Receptacle Faceplate.....	6.35	1.40
26 05 33 23-0604	EA		#5507RJ Dual RJ Connector Faceplate.....	6.38	1.40
26 05 33 23-0605	EA		#5507S Rectangular Spacer Fitting.....	6.30	1.40
26 05 33 23-0606	EA		#5507SW Switch Faceplate.....	6.33	1.40
26 05 33 23-0607	EA		#5507T1 Twistlock Faceplate.....	6.40	1.40
26 05 33 23-0608	EA		#5507T2 Single Receptacle Faceplate.....	6.21	1.40
26 05 33 23-0609	EA		#5550 6-5/8" x 6" Device Bracket.....	19.37	2.33
26 05 33 23-0610	EA		#5550A4 9-5/8" x 7-1/2" Device Bracket.....	27.64	2.33
26 05 33 23-0611	EA		#5510 End Cap.....	17.58	4.43
26 05 33 23-0612	EA		#5510D Entrance End Fitting.....	40.07	7.23
26 05 33 23-0613	EA		#5511FO Radiused Flat 90 Degree Elbow.....	38.02	5.83
26 05 33 23-0614	EA		#5514A Backfeed Connector.....	28.26	5.83
26 05 33 23-0615	EA		#5515 Tee Fitting.....	42.76	7.23
26 05 33 23-0616	EA		#5517FO Radiused Internal Elbow.....	31.43	7.23
26 05 33 23-0617	EA		#5518 External Elbow.....	32.57	7.23
26 05 33 23-0618	EA		#5518FO Radiused External Elbow.....	34.95	7.23
26 05 33 23-0619	EA		#5574 Transition Fitting.....	30.30	7.23
26 05 33 23-0620	EA		#5574A Transition Fitting.....	45.76	7.23

26 05 36 Cable Trays For Electrical Systems (26 05)

26 05 36 00-0001 Cable Trays (26 05 36)
Note: Excludes supporting hangers.

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 36 00-0002	Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0001)</small>		
26 05 36 00-0003	4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0002)</small>		
26 05 36 00-0004	4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0005	LF 6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	18.65	4.90
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.46	
26 05 36 00-0006	LF 9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.17	5.26
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.58	
26 05 36 00-0007	LF 12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	22.06	5.66
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.73	
26 05 36 00-0008	LF 18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	24.66	6.02
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.97	
26 05 36 00-0009	LF 24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.17	6.22
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.20	
26 05 36 00-0010	LF 30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	33.21	7.20
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.72	
26 05 36 00-0011	LF 36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.23	8.22
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.04	
26 05 36 00-0012	6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0013	LF 6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	17.54	4.80
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.35	
26 05 36 00-0014	LF 9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	19.00	5.11
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.47	
26 05 36 00-0015	LF 12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	20.26	5.56
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.56	
26 05 36 00-0016	LF 18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	22.28	5.87
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.74	
26 05 36 00-0017	LF 24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	24.09	6.07
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.90	
26 05 36 00-0018	LF 30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	28.34	7.00
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.25	
26 05 36 00-0019	LF 36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	30.97	7.66
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.46	
26 05 36 00-0020	9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0021	LF 6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	16.87	4.75
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.29	
26 05 36 00-0022	LF 9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	17.37	4.90
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.33	
26 05 36 00-0023	LF 12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	19.20	5.21
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.49	
26 05 36 00-0024	LF 18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.08	5.46
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.65	
26 05 36 00-0025	LF 24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	22.94	5.61
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.83	
26 05 36 00-0026	LF 30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	25.01	6.12
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.99	
26 05 36 00-0027	LF 36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	26.85	6.63
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.13	
26 05 36 00-0028	12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0029	LF 6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	16.38	4.55
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.26	
26 05 36 00-0030	LF 9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	16.72	4.65
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.29	
26 05 36 00-0031	LF 12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	17.72	4.90
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.36	
26 05 36 00-0032	LF 18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	18.78	5.16
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.45	
26 05 36 00-0033	LF 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	19.62	5.16
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.53	
26 05 36 00-0034	LF 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	21.71	5.56
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.71	
26 05 36 00-0035	LF 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	22.89	5.82
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.80	
26 05 36 00-0036	18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0037	LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	16.17	4.44
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.25	
26 05 36 00-0038	LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	16.45	4.55
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.27	
26 05 36 00-0039	LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	17.44	4.80
	<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0040 LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	18.32 -1.41	5.00
26 05 36 00-0041 LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	18.63 -1.44	5.05
26 05 36 00-0042 LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	19.78 -1.53	5.41
26 05 36 00-0043 LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	20.62 -1.59	5.72
26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0046 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	141.95 -9.93	51.20
26 05 36 00-0047 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	158.34 -10.98	58.28
26 05 36 00-0048 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	173.96 -12.03	64.46
26 05 36 00-0049 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	218.02 -15.22	79.01
26 05 36 00-0050 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	248.32 -17.27	90.70
26 05 36 00-0051 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	297.85 -21.28	102.08
26 05 36 00-0052 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	343.75 -24.65	116.67
26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0054 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	205.65 -16.13	53.23
26 05 36 00-0055 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	222.51 -17.15	61.19
26 05 36 00-0056 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	238.44 -18.17	68.04
26 05 36 00-0057 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	275.74 -20.53	84.52
26 05 36 00-0058 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	308.17 -22.65	98.05
26 05 36 00-0059 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	342.85 -25.01	111.26
26 05 36 00-0060 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	401.89 -29.45	128.87
26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0062 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	222.24 -17.59	55.63
26 05 36 00-0063 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	244.02 -19.04	64.41
26 05 36 00-0064 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	263.15 -20.31	72.06
26 05 36 00-0065 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	314.87 -23.93	90.70
26 05 36 00-0066 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	357.34 -26.86	106.47
26 05 36 00-0067 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	420.01 -31.79	122.50
26 05 36 00-0068 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	475.48 -35.56	143.92

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0069			12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0070	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	105.89	37.10
			For 60 Degree Bend, Deduct	-20.73	
			For 30 Degree Bend, Deduct	-36.60	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-7.50	
26 05 36 00-0071	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	120.01	44.50
			For 60 Degree Bend, Deduct	-22.55	
			For 30 Degree Bend, Deduct	-40.06	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.29	
26 05 36 00-0072	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	132.73	51.04
			For 60 Degree Bend, Deduct	-24.24	
			For 30 Degree Bend, Deduct	-43.23	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.02	
26 05 36 00-0073	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	157.86	64.51
			For 60 Degree Bend, Deduct	-27.37	
			For 30 Degree Bend, Deduct	-49.20	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.41	
26 05 36 00-0074	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	196.44	79.01
			For 60 Degree Bend, Deduct	-34.54	
			For 30 Degree Bend, Deduct	-61.95	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.06	
26 05 36 00-0075	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	233.92	90.70
			For 60 Degree Bend, Deduct	-42.42	
			For 30 Degree Bend, Deduct	-75.74	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.83	
26 05 36 00-0076	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	263.80	106.47
			For 60 Degree Bend, Deduct	-46.24	
			For 30 Degree Bend, Deduct	-82.98	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.51	
26 05 36 00-0077			24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0078	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	119.52	38.28
			For 60 Degree Bend, Deduct	-24.78	
			For 30 Degree Bend, Deduct	-43.42	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.76	
26 05 36 00-0079	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	136.27	46.14
			For 60 Degree Bend, Deduct	-27.28	
			For 30 Degree Bend, Deduct	-48.03	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.78	
26 05 36 00-0080	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	155.35	53.28
			For 60 Degree Bend, Deduct	-30.84	
			For 30 Degree Bend, Deduct	-54.37	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.10	
26 05 36 00-0081	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	181.77	68.04
			For 60 Degree Bend, Deduct	-33.90	
			For 30 Degree Bend, Deduct	-60.28	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.51	
26 05 36 00-0082	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	223.57	84.52
			For 60 Degree Bend, Deduct	-41.39	
			For 30 Degree Bend, Deduct	-73.67	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.32	
26 05 36 00-0083	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.30	98.05
			For 60 Degree Bend, Deduct	-48.98	
			For 30 Degree Bend, Deduct	-87.09	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.06	
26 05 36 00-0084	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	307.83	116.72
			For 60 Degree Bend, Deduct	-56.85	
			For 30 Degree Bend, Deduct	-101.23	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.06	
26 05 36 00-0085			36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0086	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	145.86	39.50
			For 60 Degree Bend, Deduct	-33.00	
			For 30 Degree Bend, Deduct	-57.19	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0087	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	164.49	47.97
			<i>For 60 Degree Bend, Deduct</i>	-35.89	
			<i>For 30 Degree Bend, Deduct</i>	-62.49	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.45	
26 05 36 00-0088	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	179.14	55.68
			<i>For 60 Degree Bend, Deduct</i>	-37.77	
			<i>For 30 Degree Bend, Deduct</i>	-66.05	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.27	
26 05 36 00-0089	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	213.69	72.06
			<i>For 60 Degree Bend, Deduct</i>	-42.88	
			<i>For 30 Degree Bend, Deduct</i>	-75.48	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.36	
26 05 36 00-0090	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	250.11	90.70
			<i>For 60 Degree Bend, Deduct</i>	-47.76	
			<i>For 30 Degree Bend, Deduct</i>	-84.65	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.45	
26 05 36 00-0091	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	305.18	106.47
			<i>For 60 Degree Bend, Deduct</i>	-59.89	
			<i>For 30 Degree Bend, Deduct</i>	-105.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.65	
26 05 36 00-0092	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	356.92	128.87
			<i>For 60 Degree Bend, Deduct</i>	-68.38	
			<i>For 30 Degree Bend, Deduct</i>	-121.12	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.95	
26 05 36 00-0093			12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0094	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	154.92	51.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.24	
26 05 36 00-0095	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	168.65	58.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.01	
26 05 36 00-0096	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	181.28	64.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.76	
26 05 36 00-0097	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	208.77	79.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.29	
26 05 36 00-0098	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	231.48	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.59	
26 05 36 00-0099	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	256.86	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.18	
26 05 36 00-0100	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	284.15	116.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.70	
26 05 36 00-0101			24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0102	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	187.50	53.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.31	
26 05 36 00-0103	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	203.26	61.24
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.22	
26 05 36 00-0104	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	218.62	68.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.19	
26 05 36 00-0105	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.65	84.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.12	
26 05 36 00-0106	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	279.81	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.81	
26 05 36 00-0107	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	308.31	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.56	
26 05 36 00-0108	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.93	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.55	
26 05 36 00-0109			36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0110	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	226.03	55.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.97	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0111	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	245.52	64.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.18	
26 05 36 00-0112	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	259.88	72.06
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.98	
26 05 36 00-0113	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	302.15	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.66	
26 05 36 00-0114	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.04	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.13	
26 05 36 00-0115	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	377.61	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.55	
26 05 36 00-0116	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	424.54	143.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.46	
26 05 36 00-0117			12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0118	EA		6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	275.28	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.36	
26 05 36 00-0119	EA		9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	297.72	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.90	
26 05 36 00-0120	EA		12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.39	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.97	
26 05 36 00-0121	EA		18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	349.47	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.74	
26 05 36 00-0122	EA		24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	397.00	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.37	
26 05 36 00-0123	EA		30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	444.07	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.39	
26 05 36 00-0124	EA		36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	502.56	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.65	
26 05 36 00-0125			24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0126	EA		6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.84	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.41	
26 05 36 00-0127	EA		9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	378.25	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.10	
26 05 36 00-0128	EA		12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	394.57	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.25	
26 05 36 00-0129	EA		18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	381.84	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.85	
26 05 36 00-0130	EA		24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.01	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.14	
26 05 36 00-0131	EA		30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	515.93	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.99	
26 05 36 00-0132	EA		36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	626.62	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.95	
26 05 36 00-0133			36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0134	EA		6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	456.75	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.95	
26 05 36 00-0135	EA		9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	487.07	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.97	
26 05 36 00-0136	EA		12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	517.27	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.40	
26 05 36 00-0137	EA		18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	567.54	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.99	
26 05 36 00-0138	EA		24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	643.76	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.81	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0139	EA		30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	698.44	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.13	
26 05 36 00-0140	EA		36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	783.49	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.80	
26 05 36 00-0141			12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0142	EA		6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	341.60	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.60	
26 05 36 00-0143	EA		9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	349.23	94.27
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.07	
26 05 36 00-0144	EA		12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	357.13	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.54	
26 05 36 00-0145	EA		18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	374.56	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.58	
26 05 36 00-0146	EA		24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	385.89	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.32	
26 05 36 00-0147	EA		30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	417.95	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.59	
26 05 36 00-0148	EA		36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	448.78	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.55	
26 05 36 00-0149			24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0150	EA		6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	507.46	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.58	
26 05 36 00-0151	EA		9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	519.23	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.42	
26 05 36 00-0152	EA		12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	531.57	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.28	
26 05 36 00-0153	EA		18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	558.64	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.14	
26 05 36 00-0154	EA		24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	578.30	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.62	
26 05 36 00-0155	EA		30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	610.80	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.75	
26 05 36 00-0156	EA		36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	656.07	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.85	
26 05 36 00-0157			36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0158	EA		6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	820.53	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.18	
26 05 36 00-0159	EA		9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	836.87	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.41	
26 05 36 00-0160	EA		12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	854.29	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.70	
26 05 36 00-0161	EA		18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	882.94	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.55	
26 05 36 00-0162	EA		24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	903.11	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.98	
26 05 36 00-0163	EA		30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	956.72	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.91	
26 05 36 00-0164	EA		36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,001.21	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.56	
26 05 36 00-0165			12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	342.79	122.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.07	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	360.13	128.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.27	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	385.31	135.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.20	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	414.00	144.18
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.39	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	465.82	163.22
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.98	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	523.49	174.81
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.78	
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	573.17	188.59
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.60	
26 05 36 00-0173		24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	495.55	135.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.22	
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	517.56	144.18
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.74	
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	540.81	153.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.32	
26 05 36 00-0177	EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	576.06	163.22
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.00	
26 05 36 00-0178	EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	638.31	188.59
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.12	
26 05 36 00-0179	EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	686.02	204.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.59	
26 05 36 00-0180	EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	771.80	222.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.63	
26 05 36 00-0181		36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0182	EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	631.01	153.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.34	
26 05 36 00-0183	EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	664.58	163.22
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.86	
26 05 36 00-0184	EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	700.55	174.81
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.49	
26 05 36 00-0185	EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	765.26	188.59
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.81	
26 05 36 00-0186	EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	872.02	222.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.66	
26 05 36 00-0187	EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	950.50	244.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.67	
26 05 36 00-0188	EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,038.69	272.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.17	
26 05 36 00-0189		12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0190	EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	405.17	122.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.31	
26 05 36 00-0191	EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	425.59	128.92
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.82	
26 05 36 00-0192	EA	12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	456.68	135.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.34	
26 05 36 00-0193	EA	18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	492.26	144.23
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0194	EA		24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	553.01	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.70	
26 05 36 00-0195	EA		30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	628.10	174.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.24	
26 05 36 00-0196	EA		36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	689.29	188.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.23	
26 05 36 00-0197			24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0198	EA		6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	616.57	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.33	
26 05 36 00-0199	EA		9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	642.34	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.22	
26 05 36 00-0200	EA		12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	669.35	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.18	
26 05 36 00-0201	EA		18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	712.86	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.68	
26 05 36 00-0202	EA		24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	784.13	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.70	
26 05 36 00-0203	EA		30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	841.61	204.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.15	
26 05 36 00-0204	EA		36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	952.19	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.67	
26 05 36 00-0205			36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0206	EA		6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	800.13	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.25	
26 05 36 00-0207	EA		9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	841.22	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.52	
26 05 36 00-0208	EA		12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	884.70	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.90	
26 05 36 00-0209	EA		18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	968.20	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.11	
26 05 36 00-0210	EA		24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,097.51	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.21	
26 05 36 00-0211	EA		30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,194.79	244.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.10	
26 05 36 00-0212	EA		36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,301.77	272.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.47	
26 05 36 00-0213			6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0214			12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0215	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	133.86	51.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.12	
26 05 36 00-0216	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	149.60	58.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.10	
26 05 36 00-0217	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	164.45	64.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.08	
26 05 36 00-0218	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	205.69	79.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.99	
26 05 36 00-0219	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	234.44	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.89	
26 05 36 00-0220	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	279.60	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.45	
26 05 36 00-0221	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	322.42	116.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.52	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0222			24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0223	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	188.95	53.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.46	
26 05 36 00-0224	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	205.29	61.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.43	
26 05 36 00-0225	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	220.58	68.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.39	
26 05 36 00-0226	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	256.47	84.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.61	
26 05 36 00-0227	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.49	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.58	
26 05 36 00-0228	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	320.36	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.76	
26 05 36 00-0229	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	375.16	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.78	
26 05 36 00-0230			36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0231	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	203.74	55.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.74	
26 05 36 00-0232	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	224.49	64.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.08	
26 05 36 00-0233	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.73	72.06
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.27	
26 05 36 00-0234	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	291.49	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.59	
26 05 36 00-0235	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	331.64	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.29	
26 05 36 00-0236	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.17	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.71	
26 05 36 00-0237	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	441.82	143.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.19	
26 05 36 00-0238			12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0239	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	99.59	37.10
			<i>For 60 Degree Bend, Deduct</i>	-18.65	
			<i>For 30 Degree Bend, Deduct</i>	-33.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.87	
26 05 36 00-0240	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	113.46	44.50
			<i>For 60 Degree Bend, Deduct</i>	-20.39	
			<i>For 30 Degree Bend, Deduct</i>	-36.45	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.64	
26 05 36 00-0241	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	125.92	51.04
			<i>For 60 Degree Bend, Deduct</i>	-21.99	
			<i>For 30 Degree Bend, Deduct</i>	-39.49	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.34	
26 05 36 00-0242	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	150.66	64.51
			<i>For 60 Degree Bend, Deduct</i>	-25.00	
			<i>For 30 Degree Bend, Deduct</i>	-45.24	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.69	
26 05 36 00-0243	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	187.19	79.01
			<i>For 60 Degree Bend, Deduct</i>	-31.49	
			<i>For 30 Degree Bend, Deduct</i>	-56.87	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.14	
26 05 36 00-0244	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	222.10	90.70
			<i>For 60 Degree Bend, Deduct</i>	-38.52	
			<i>For 30 Degree Bend, Deduct</i>	-69.24	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0245	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	251.47 -42.17 -76.20 -16.27	106.47
26 05 36 00-0246			24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0247	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	111.56 -22.15 -39.04 -7.97	38.28
26 05 36 00-0248	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	127.79 -24.48 -43.37 -8.93	46.14
26 05 36 00-0249	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	145.84 -27.71 -49.14 -10.14	53.28
26 05 36 00-0250	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	172.01 -30.68 -54.91 -11.53	68.04
26 05 36 00-0251	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	211.75 -37.49 -67.17 -14.13	84.52
26 05 36 00-0252	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	248.17 -44.32 -79.31 -16.65	98.05
26 05 36 00-0253	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	291.65 -51.51 -92.33 -19.44	116.72
26 05 36 00-0254			36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0255	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	134.42 -29.22 -50.90 -10.15	39.50
26 05 36 00-0256	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	152.42 -31.91 -55.85 -11.24	47.97
26 05 36 00-0257	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	166.81 -33.70 -59.27 -12.04	55.68
26 05 36 00-0258	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	200.33 -38.47 -68.13 -14.03	72.06
26 05 36 00-0259	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	235.98 -43.10 -76.88 -16.04	90.70
26 05 36 00-0260	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	286.93 -53.87 -95.70 -19.82	106.47
26 05 36 00-0261	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	336.61 -61.68 -109.95 -22.92	128.87
26 05 36 00-0262			12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0263 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	149.34	51.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.68	
26 05 36 00-0264 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	162.93	58.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.43	
26 05 36 00-0265 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	175.37	64.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.17	
26 05 36 00-0266 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	185.26	79.01
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.94	
26 05 36 00-0267 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	225.06	90.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.95	
26 05 36 00-0268 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	249.92	102.08
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.49	
26 05 36 00-0269 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	276.95	116.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.98	
26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0271 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	179.60	53.23
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.52	
26 05 36 00-0272 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	195.17	61.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.41	
26 05 36 00-0273 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	210.20	68.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.35	
26 05 36 00-0274 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.78	84.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.24	
26 05 36 00-0275 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	270.50	98.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.88	
26 05 36 00-0276 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.49	111.26
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.58	
26 05 36 00-0277 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	341.88	128.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.45	
26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0279 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	215.37	55.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.90	
26 05 36 00-0280 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.47	64.46
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.08	
26 05 36 00-0281 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	248.70	72.06
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.86	
26 05 36 00-0282 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	290.07	90.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.45	
26 05 36 00-0283 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	317.83	106.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.91	
26 05 36 00-0284 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.73	122.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.17	
26 05 36 00-0285 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	409.76	143.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.98	
26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0287 EA 6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	266.67	98.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.50	
26 05 36 00-0288 EA 9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	288.47	106.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.97	
26 05 36 00-0289 EA 12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	302.63	111.26
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.99	
26 05 36 00-0290 EA 18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	338.29	122.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0291 EA 24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	383.90	135.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.06	
26 05 36 00-0292 EA 30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	428.39	144.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.82	
26 05 36 00-0293 EA 36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	484.83	163.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.88	
26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0295 EA 6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	339.35	106.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.06	
26 05 36 00-0296 EA 9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	364.11	116.72
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.69	
26 05 36 00-0297 EA 12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	379.92	122.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.78	
26 05 36 00-0298 EA 18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	416.28	135.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.30	
26 05 36 00-0299 EA 24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	461.80	153.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.42	
26 05 36 00-0300 EA 30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	497.17	163.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.11	
26 05 36 00-0301 EA 36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	602.59	188.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.55	
26 05 36 00-0302 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0303 EA 6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	436.58	116.72
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.93	
26 05 36 00-0304 EA 9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	466.13	128.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.87	
26 05 36 00-0305 EA 12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	494.91	135.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.16	
26 05 36 00-0306 EA 18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	543.51	153.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.59	
26 05 36 00-0307 EA 24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	616.65	174.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.10	
26 05 36 00-0308 EA 30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	668.89	188.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.18	
26 05 36 00-0309 EA 36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	751.75	222.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.63	
26 05 36 00-0310 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0311 EA 6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	326.95	90.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.14	
26 05 36 00-0312 EA 9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	334.45	94.27
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.59	
26 05 36 00-0313 EA 12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	342.22	98.05
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.05	
26 05 36 00-0314 EA 18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	359.40	106.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.07	
26 05 36 00-0315 EA 24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	370.47	111.26
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.77	
26 05 36 00-0316 EA 30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	401.50	122.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.94	
26 05 36 00-0317 EA 36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	431.69	135.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.84	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0318			24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0319	EA		6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	480.99	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.93	
26 05 36 00-0320	EA		9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	492.37	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.73	
26 05 36 00-0321	EA		12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	504.33	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.56	
26 05 36 00-0322	EA		18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	530.63	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.34	
26 05 36 00-0323	EA		24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	549.52	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.74	
26 05 36 00-0324	EA		30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	581.25	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.79	
26 05 36 00-0325	EA		36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	625.23	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.76	
26 05 36 00-0326			36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0327	EA		6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	771.07	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.23	
26 05 36 00-0328	EA		9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	786.76	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.40	
26 05 36 00-0329	EA		12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	803.53	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.63	
26 05 36 00-0330	EA		18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	831.54	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.41	
26 05 36 00-0331	EA		24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	851.07	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.78	
26 05 36 00-0332	EA		30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	902.76	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.52	
26 05 36 00-0333	EA		36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	946.60	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.09	
26 05 36 00-0334			12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0335	EA		6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	332.12	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.00	
26 05 36 00-0336	EA		9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	348.95	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.15	
26 05 36 00-0337	EA		12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	373.10	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.98	
26 05 36 00-0338	EA		18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	400.64	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.05	
26 05 36 00-0339	EA		24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	450.91	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.49	
26 05 36 00-0340	EA		30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	505.63	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.00	
26 05 36 00-0341	EA		36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	553.25	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.61	
26 05 36 00-0342			24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0343	EA		6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	474.87	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.16	
26 05 36 00-0344	EA		9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	496.23	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.61	
26 05 36 00-0345	EA		12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	518.84	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0346	EA		18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	552.67	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.66	
26 05 36 00-0347	EA		24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	613.39	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.63	
26 05 36 00-0348	EA		30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	659.42	204.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.93	
26 05 36 00-0349	EA		36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	740.96	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.55	
26 05 36 00-0350			36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0351	EA		6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	602.10	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.45	
26 05 36 00-0352	EA		9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	634.39	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.84	
26 05 36 00-0353	EA		12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	669.07	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.34	
26 05 36 00-0354	EA		18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	730.56	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.34	
26 05 36 00-0355	EA		24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	833.47	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.80	
26 05 36 00-0356	EA		30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	908.75	244.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.49	
26 05 36 00-0357	EA		36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	993.72	272.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.67	
26 05 36 00-0358			12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0359	EA		6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	389.71	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.76	
26 05 36 00-0360	EA		9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	409.38	128.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.19	
26 05 36 00-0361	EA		12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	438.98	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.57	
26 05 36 00-0362	EA		18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	472.89	144.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.27	
26 05 36 00-0363	EA		24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	531.40	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.54	
26 05 36 00-0364	EA		30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	602.21	174.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.65	
26 05 36 00-0365	EA		36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	660.42	188.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.35	
26 05 36 00-0366			24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0367	EA		6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	586.57	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.33	
26 05 36 00-0368	EA		9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	611.41	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.13	
26 05 36 00-0369	EA		12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	637.49	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.99	
26 05 36 00-0370	EA		18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	678.95	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.29	
26 05 36 00-0371	EA		24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	747.99	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.09	
26 05 36 00-0372	EA		30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	803.04	204.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.29	
26 05 36 00-0373	EA		36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	907.48	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.20	

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26 05 36 00-0374		36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	758.21	153.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.06	
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	797.44	163.22
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.14	
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	839.06	174.81
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.34	
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	917.90	188.59
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.08	
26 05 36 00-0379	EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,041.62	222.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.62	
26 05 36 00-0380	EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,134.24	244.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.04	
26 05 36 00-0381	EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,236.56	272.44
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.95	
26 05 36 00-0382		9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0383		12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0384	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	125.76	51.20
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.31	
26 05 36 00-0385	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	140.87	58.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.23	
26 05 36 00-0386	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	154.94	64.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.12	
26 05 36 00-0387	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	193.35	79.01
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.75	
26 05 36 00-0388	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	220.56	90.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.50	
26 05 36 00-0389	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	261.36	102.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.63	
26 05 36 00-0390	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	301.09	116.67
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.39	
26 05 36 00-0391		24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0392	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	172.25	53.23
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.79	
26 05 36 00-0393	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	188.08	61.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.71	
26 05 36 00-0394	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	202.72	68.04
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.60	
26 05 36 00-0395	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	237.19	84.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.68	
26 05 36 00-0396	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	266.80	98.05
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.51	
26 05 36 00-0397	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	297.88	111.26
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.52	
26 05 36 00-0398	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.44	128.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.10	
26 05 36 00-0399		36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0400	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	185.24	55.63
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0401	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	204.96 -15.13	64.41
26 05 36 00-0402	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	222.30 -16.22	72.06
26 05 36 00-0403	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	268.10 -19.25	90.70
26 05 36 00-0404	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	305.95 -21.72	106.47
26 05 36 00-0405	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	358.33 -25.63	122.50
26 05 36 00-0406	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	408.16 -28.82	143.92
26 05 36 00-0407			12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0408	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	93.30 -16.57 -29.68 -6.24	37.10
26 05 36 00-0409	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	106.90 -18.22 -32.85 -6.98	44.50
26 05 36 00-0410	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	119.11 -19.74 -35.74 -7.66	51.04
26 05 36 00-0411	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	143.47 -22.62 -41.29 -8.97	64.51
26 05 36 00-0412	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	177.94 -28.43 -51.78 -11.21	79.01
26 05 36 00-0413	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	210.28 -34.62 -62.74 -13.47	90.70
26 05 36 00-0414	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	239.13 -38.10 -69.41 -15.04	106.47
26 05 36 00-0415			24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0416	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	103.59 -19.52 -34.66 -7.17	38.28
26 05 36 00-0417	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	119.31 -21.68 -38.70 -8.09	46.14
26 05 36 00-0418	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	136.33 -24.57 -43.91 -9.19	53.28
26 05 36 00-0419	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	162.24 -27.45 -49.54 -10.55	68.04
26 05 36 00-0420	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	199.93 -33.59 -60.67 -12.95	84.52

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0421	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.04	98.05
			<i>For 60 Degree Bend, Deduct</i>	-39.66	
			<i>For 30 Degree Bend, Deduct</i>	-71.54	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.24	
26 05 36 00-0422	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	275.46	116.72
			<i>For 60 Degree Bend, Deduct</i>	-46.16	
			<i>For 30 Degree Bend, Deduct</i>	-83.42	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.82	
26 05 36 00-0423			36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0424	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	122.99	39.50
			<i>For 60 Degree Bend, Deduct</i>	-25.45	
			<i>For 30 Degree Bend, Deduct</i>	-44.61	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.01	
26 05 36 00-0425	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	140.34	47.97
			<i>For 60 Degree Bend, Deduct</i>	-27.92	
			<i>For 30 Degree Bend, Deduct</i>	-49.20	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.04	
26 05 36 00-0426	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	154.47	55.68
			<i>For 60 Degree Bend, Deduct</i>	-29.63	
			<i>For 30 Degree Bend, Deduct</i>	-52.48	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.81	
26 05 36 00-0427	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	186.96	72.06
			<i>For 60 Degree Bend, Deduct</i>	-34.06	
			<i>For 30 Degree Bend, Deduct</i>	-60.78	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.69	
26 05 36 00-0428	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	221.85	90.70
			<i>For 60 Degree Bend, Deduct</i>	-38.44	
			<i>For 30 Degree Bend, Deduct</i>	-69.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.63	
26 05 36 00-0429	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	268.69	106.47
			<i>For 60 Degree Bend, Deduct</i>	-47.85	
			<i>For 30 Degree Bend, Deduct</i>	-85.67	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.00	
26 05 36 00-0430	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.31	128.87
			<i>For 60 Degree Bend, Deduct</i>	-54.98	
			<i>For 30 Degree Bend, Deduct</i>	-98.79	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.89	
26 05 36 00-0431			12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0432	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	140.95	51.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.84	
26 05 36 00-0433	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	154.36	58.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.58	
26 05 36 00-0434	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	166.50	64.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.28	
26 05 36 00-0435	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	193.35	79.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.75	
26 05 36 00-0436	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	215.42	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.98	
26 05 36 00-0437	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	239.51	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.44	
26 05 36 00-0438	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	266.16	116.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.91	
26 05 36 00-0439			24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0440	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	167.75	53.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.34	
26 05 36 00-0441	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	183.03	61.24
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.20	
26 05 36 00-0442	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	197.58	68.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0443	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	229.49	84.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.91	
26 05 36 00-0444	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	256.52	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.48	
26 05 36 00-0445	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	283.74	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.10	
26 05 36 00-0446	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.31	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.79	
26 05 36 00-0447			36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0448	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	199.37	55.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.30	
26 05 36 00-0449	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	217.90	64.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.42	
26 05 36 00-0450	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	231.93	72.06
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.19	
26 05 36 00-0451	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	271.96	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.64	
26 05 36 00-0452	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	299.52	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.08	
26 05 36 00-0453	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	342.91	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.08	
26 05 36 00-0454	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	387.60	143.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.77	
26 05 36 00-0455			12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0456	EA		6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	249.46	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.78	
26 05 36 00-0457	EA		9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.97	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.12	
26 05 36 00-0458	EA		12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	283.10	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.04	
26 05 36 00-0459	EA		18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	315.93	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.39	
26 05 36 00-0460	EA		24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	357.69	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.44	
26 05 36 00-0461	EA		30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	397.04	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.69	
26 05 36 00-0462	EA		36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	449.37	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.33	
26 05 36 00-0463			24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0464	EA		6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.37	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.36	
26 05 36 00-0465	EA		9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	335.84	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.86	
26 05 36 00-0466	EA		12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.62	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.85	
26 05 36 00-0467	EA		18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.67	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.14	
26 05 36 00-0468	EA		24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	427.36	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.98	
26 05 36 00-0469	EA		30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	459.65	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.36	
26 05 36 00-0470	EA		36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	554.54	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.74	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 36 00-0471		36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	396.23	116.72
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.90	
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	424.24	128.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.68	
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	450.20	135.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.69	
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	495.46	153.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.79	
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	562.43	174.81
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.68	
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	609.79	188.59
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.27	
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	688.28	222.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.28	
26 05 36 00-0479		12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	297.65	90.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.21	
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	304.90	94.27
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.63	
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	312.41	98.05
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.07	
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	329.07	106.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.03	
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	339.63	111.26
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.69	
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	368.61	122.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.65	
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	397.52	135.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.42	
26 05 36 00-0487		24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	428.05	98.05
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.64	
26 05 36 00-0489	EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	438.67	102.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.36	
26 05 36 00-0490	EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	449.85	106.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.11	
26 05 36 00-0491	EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	474.61	116.72
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.74	
26 05 36 00-0492	EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	491.96	122.50
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.99	
26 05 36 00-0493	EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	522.15	135.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.88	
26 05 36 00-0494	EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	563.56	153.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.60	
26 05 36 00-0495		36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0496	EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	672.13	106.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.34	
26 05 36 00-0497	EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	686.55	111.26
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0498	EA		12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	702.03	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.48	
26 05 36 00-0499	EA		18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	728.75	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.13	
26 05 36 00-0500	EA		24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	747.00	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.37	
26 05 36 00-0501	EA		30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	794.83	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.72	
26 05 36 00-0502	EA		36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	837.39	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.17	
26 05 36 00-0503			12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0504	EA		6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	310.79	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.87	
26 05 36 00-0505	EA		9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	326.59	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.92	
26 05 36 00-0506	EA		12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	348.69	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.54	
26 05 36 00-0507	EA		18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	373.92	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.38	
26 05 36 00-0508	EA		24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	421.10	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.51	
26 05 36 00-0509	EA		30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	469.92	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.43	
26 05 36 00-0510	EA		36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	513.42	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.63	
26 05 36 00-0511			24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0512	EA		6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	433.49	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.02	
26 05 36 00-0513	EA		9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	453.58	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.34	
26 05 36 00-0514	EA		12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	474.90	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.73	
26 05 36 00-0515	EA		18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	505.90	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.99	
26 05 36 00-0516	EA		24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	563.53	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.64	
26 05 36 00-0517	EA		30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	606.23	204.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.61	
26 05 36 00-0518	EA		36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	679.29	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.38	
26 05 36 00-0519			36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0520	EA		6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	544.28	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.67	
26 05 36 00-0521	EA		9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	574.00	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.80	
26 05 36 00-0522	EA		12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	606.11	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.05	
26 05 36 00-0523	EA		18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	661.18	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.40	
26 05 36 00-0524	EA		24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	756.38	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.09	
26 05 36 00-0525	EA		30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	825.23	244.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.14	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0526 EA 36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	903.78 -67.67	272.44
26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0528 EA 6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	358.78 -25.67	122.50
26 05 36 00-0529 EA 9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	376.97 -26.95	128.92
26 05 36 00-0530 EA 12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	403.58 -29.03	135.96
26 05 36 00-0531 EA 18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	434.14 -31.40	144.23
26 05 36 00-0532 EA 24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	488.17 -35.21	163.22
26 05 36 00-0533 EA 30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	550.41 -40.47	174.86
26 05 36 00-0534 EA 36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	602.66 -44.57	188.33
26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0536 EA 6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	526.58 -41.33	135.96
26 05 36 00-0537 EA 9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	549.56 -42.94	144.18
26 05 36 00-0538 EA 12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	573.77 -44.62	153.12
26 05 36 00-0539 EA 18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	611.13 -47.51	163.22
26 05 36 00-0540 EA 24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	675.70 -51.86	188.59
26 05 36 00-0541 EA 30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	725.91 -55.58	204.15
26 05 36 00-0542 EA 36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	818.05 -63.26	222.53
26 05 36 00-0543 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0544 EA 6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	674.38 -54.68	153.12
26 05 36 00-0545 EA 9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	709.88 -57.39	163.22
26 05 36 00-0546 EA 12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	747.77 -60.21	174.81
26 05 36 00-0547 EA 18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	817.29 -66.02	188.59
26 05 36 00-0548 EA 24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	929.83 -74.44	222.53
26 05 36 00-0549 EA 30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,013.14 -80.93	244.58
26 05 36 00-0550 EA 36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,106.15 -87.91	272.44
26 05 36 00-0551 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0552 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0553	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	122.93 -8.03	51.20
26 05 36 00-0554	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	137.81 -8.92	58.28
26 05 36 00-0555	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	151.61 -9.79	64.46
26 05 36 00-0556	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	189.04 -12.32	79.01
26 05 36 00-0557	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	215.71 -14.01	90.70
26 05 36 00-0558	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	254.97 -16.99	102.08
26 05 36 00-0559	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	293.63 -19.64	116.67
26 05 36 00-0560			24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0561	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	166.40 -12.20	53.23
26 05 36 00-0562	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	182.05 -13.11	61.19
26 05 36 00-0563	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	196.47 -13.98	68.04
26 05 36 00-0564	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	230.45 -16.00	84.52
26 05 36 00-0565	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	259.56 -17.79	98.05
26 05 36 00-0566	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	290.01 -19.73	111.26
26 05 36 00-0567	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	339.08 -23.17	128.87
26 05 36 00-0568			36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0569	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	178.76 -13.24	55.63
26 05 36 00-0570	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	198.12 -14.45	64.41
26 05 36 00-0571	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	215.15 -15.51	72.06
26 05 36 00-0572	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	259.92 -18.43	90.70
26 05 36 00-0573	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	296.95 -20.82	106.47
26 05 36 00-0574	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	347.54 -24.55	122.50
26 05 36 00-0575	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	396.37 -27.65	143.92
26 05 36 00-0576			12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0577	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	91.10 -15.84 -28.47 -6.02	37.10
26 05 36 00-0578	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	104.61 -17.47 -31.59 -6.75	44.50

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0579	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	116.73	51.04
			<i>For 60 Degree Bend, Deduct</i>	-18.96	
			<i>For 30 Degree Bend, Deduct</i>	-34.43	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.42	
26 05 36 00-0580	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	140.95	64.51
			<i>For 60 Degree Bend, Deduct</i>	-21.79	
			<i>For 30 Degree Bend, Deduct</i>	-39.90	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.72	
26 05 36 00-0581	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	174.70	79.01
			<i>For 60 Degree Bend, Deduct</i>	-27.36	
			<i>For 30 Degree Bend, Deduct</i>	-50.00	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.89	
26 05 36 00-0582	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	206.15	90.70
			<i>For 60 Degree Bend, Deduct</i>	-33.26	
			<i>For 30 Degree Bend, Deduct</i>	-60.47	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.06	
26 05 36 00-0583	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.82	106.47
			<i>For 60 Degree Bend, Deduct</i>	-36.67	
			<i>For 30 Degree Bend, Deduct</i>	-67.04	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.61	
26 05 36 00-0584			24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0585	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	100.80	38.28
			<i>For 60 Degree Bend, Deduct</i>	-18.60	
			<i>For 30 Degree Bend, Deduct</i>	-33.12	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.89	
26 05 36 00-0586	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	116.34	46.14
			<i>For 60 Degree Bend, Deduct</i>	-20.70	
			<i>For 30 Degree Bend, Deduct</i>	-37.07	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.79	
26 05 36 00-0587	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	133.00	53.28
			<i>For 60 Degree Bend, Deduct</i>	-23.47	
			<i>For 30 Degree Bend, Deduct</i>	-42.07	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.86	
26 05 36 00-0588	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	158.83	68.04
			<i>For 60 Degree Bend, Deduct</i>	-26.33	
			<i>For 30 Degree Bend, Deduct</i>	-47.66	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.21	
26 05 36 00-0589	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	195.80	84.52
			<i>For 60 Degree Bend, Deduct</i>	-32.22	
			<i>For 30 Degree Bend, Deduct</i>	-58.40	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.54	
26 05 36 00-0590	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	229.09	98.05
			<i>For 60 Degree Bend, Deduct</i>	-38.02	
			<i>For 30 Degree Bend, Deduct</i>	-68.82	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.74	
26 05 36 00-0591	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.79	116.72
			<i>For 60 Degree Bend, Deduct</i>	-44.29	
			<i>For 30 Degree Bend, Deduct</i>	-80.31	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.25	
26 05 36 00-0592			36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0593	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	118.98	39.50
			<i>For 60 Degree Bend, Deduct</i>	-24.13	
			<i>For 30 Degree Bend, Deduct</i>	-42.41	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.61	
26 05 36 00-0594	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	136.11	47.97
			<i>For 60 Degree Bend, Deduct</i>	-26.53	
			<i>For 30 Degree Bend, Deduct</i>	-46.88	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.61	
26 05 36 00-0595	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	150.16	55.68
			<i>For 60 Degree Bend, Deduct</i>	-28.21	
			<i>For 30 Degree Bend, Deduct</i>	-50.11	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.38	
26 05 36 00-0596	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	182.29	72.06
			<i>For 60 Degree Bend, Deduct</i>	-32.52	
			<i>For 30 Degree Bend, Deduct</i>	-58.21	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0597	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	216.90 -36.81 -66.38 -14.13	90.70
26 05 36 00-0598	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	262.30 -45.74 -82.15 -17.36	106.47
26 05 36 00-0599	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	309.21 -52.63 -94.88 -20.18	128.87
26 05 36 00-0600			12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0601	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	137.04 -9.45	51.04
26 05 36 00-0602	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	150.35 -10.18	58.28
26 05 36 00-0603	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	162.37 -10.87	64.46
26 05 36 00-0604	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	189.04 -12.32	79.01
26 05 36 00-0605	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	210.93 -13.53	90.70
26 05 36 00-0606	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	234.66 -14.96	102.08
26 05 36 00-0607	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	261.13 -16.40	116.52
26 05 36 00-0608			24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0609	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	162.22 -11.79	53.23
26 05 36 00-0610	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	177.36 -12.63	61.24
26 05 36 00-0611	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	191.69 -13.50	68.04
26 05 36 00-0612	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	223.28 -15.29	84.52
26 05 36 00-0613	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	250.00 -16.83	98.05
26 05 36 00-0614	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	276.86 -18.41	111.26
26 05 36 00-0615	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	317.57 -21.02	128.87
26 05 36 00-0616			36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0617	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	191.91 -14.55	55.63
26 05 36 00-0618	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	210.16 -15.65	64.46
26 05 36 00-0619	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	224.11 -16.40	72.06
26 05 36 00-0620	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	263.50 -18.79	90.70
26 05 36 00-0621	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	290.98 -20.23	106.47
26 05 36 00-0622	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	333.20 -23.11	122.50

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0623 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	377.26	143.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.73	
26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0625 EA 6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	240.85	98.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.92	
26 05 36 00-0626 EA 9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	260.72	106.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.20	
26 05 36 00-0627 EA 12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	273.33	111.26
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.06	
26 05 36 00-0628 EA 18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	304.75	122.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.27	
26 05 36 00-0629 EA 24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	344.58	135.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.13	
26 05 36 00-0630 EA 30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	381.37	144.18
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.12	
26 05 36 00-0631 EA 36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	431.64	163.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.56	
26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0633 EA 6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	298.88	106.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.02	
26 05 36 00-0634 EA 9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	321.71	116.72
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.45	
26 05 36 00-0635 EA 12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	335.98	122.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.39	
26 05 36 00-0636 EA 18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	368.86	135.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.55	
26 05 36 00-0637 EA 24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	410.14	153.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.25	
26 05 36 00-0638 EA 30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	440.89	163.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.49	
26 05 36 00-0639 EA 36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	530.51	188.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.34	
26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0641 EA 6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	376.06	116.72
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.88	
26 05 36 00-0642 EA 9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	403.30	128.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.59	
26 05 36 00-0643 EA 12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	427.84	135.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.45	
26 05 36 00-0644 EA 18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	471.43	153.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.38	
26 05 36 00-0645 EA 24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	535.31	174.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.97	
26 05 36 00-0646 EA 30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	580.24	188.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.31	
26 05 36 00-0647 EA 36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	656.54	222.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.11	
26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0649 EA 6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	283.01	90.70
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0650	EA		9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	290.12	94.27
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.16	
26 05 36 00-0651	EA		12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	297.51	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.58	
26 05 36 00-0652	EA		18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	313.91	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.52	
26 05 36 00-0653	EA		24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	324.21	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.15	
26 05 36 00-0654	EA		30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	352.17	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.01	
26 05 36 00-0655	EA		36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	380.43	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.71	
26 05 36 00-0656			24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0651)</small>		
26 05 36 00-0657	EA		6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	401.58	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.99	
26 05 36 00-0658	EA		9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	411.81	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.67	
26 05 36 00-0659	EA		12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	422.61	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.39	
26 05 36 00-0660	EA		18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	446.60	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.93	
26 05 36 00-0661	EA		24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	463.18	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.11	
26 05 36 00-0662	EA		30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	492.60	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.93	
26 05 36 00-0663	EA		36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	532.72	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.51	
26 05 36 00-0664			36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0651)</small>		
26 05 36 00-0665	EA		6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	622.66	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.39	
26 05 36 00-0666	EA		9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	636.44	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.37	
26 05 36 00-0667	EA		12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	651.28	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.40	
26 05 36 00-0668	EA		18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	677.36	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.00	
26 05 36 00-0669	EA		24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	694.96	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.16	
26 05 36 00-0670	EA		30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	740.87	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.33	
26 05 36 00-0671	EA		36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	782.78	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.71	
26 05 36 00-0672			12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0651)</small>		
26 05 36 00-0673	EA		6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	300.13	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.81	
26 05 36 00-0674	EA		9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	315.41	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.80	
26 05 36 00-0675	EA		12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	336.49	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.32	
26 05 36 00-0676	EA		18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	360.55	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.04	
26 05 36 00-0677	EA		24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	406.20	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.02	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0678	EA		30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	452.06	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.64	
26 05 36 00-0679	EA		36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	493.51	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.64	
26 05 36 00-0680			24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0681	EA		6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	412.81	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.95	
26 05 36 00-0682	EA		9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	432.25	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.21	
26 05 36 00-0683	EA		12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	452.93	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.53	
26 05 36 00-0684	EA		18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	482.52	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.65	
26 05 36 00-0685	EA		24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	538.61	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.15	
26 05 36 00-0686	EA		30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	579.63	204.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.95	
26 05 36 00-0687	EA		36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	648.45	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.30	
26 05 36 00-0688			36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0689	EA		6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	515.37	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.78	
26 05 36 00-0690	EA		9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	543.81	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.78	
26 05 36 00-0691	EA		12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	574.63	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.90	
26 05 36 00-0692	EA		18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	626.49	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.94	
26 05 36 00-0693	EA		24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	717.83	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.24	
26 05 36 00-0694	EA		30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	783.47	244.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.96	
26 05 36 00-0695	EA		36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	858.81	272.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.18	
26 05 36 00-0696			12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0697	EA		6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	343.32	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.12	
26 05 36 00-0698	EA		9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	360.76	128.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.33	
26 05 36 00-0699	EA		12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	385.88	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.26	
26 05 36 00-0700	EA		18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	414.76	144.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.46	
26 05 36 00-0701	EA		24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	466.56	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.05	
26 05 36 00-0702	EA		30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	524.52	174.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.88	
26 05 36 00-0703	EA		36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	573.79	188.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.68	
26 05 36 00-0704			24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0705 EA 6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	496.59	135.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.33	
26 05 36 00-0706 EA 9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	518.63	144.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.85	
26 05 36 00-0707 EA 12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	541.91	153.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.43	
26 05 36 00-0708 EA 18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	577.23	163.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.12	
26 05 36 00-0709 EA 24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	639.56	188.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.24	
26 05 36 00-0710 EA 30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	687.35	204.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.72	
26 05 36 00-0711 EA 36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	773.34	222.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.79	
26 05 36 00-0712 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0713 EA 6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	632.46	153.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.49	
26 05 36 00-0714 EA 9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	666.09	163.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.01	
26 05 36 00-0715 EA 12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	702.12	174.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.65	
26 05 36 00-0716 EA 18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	766.99	188.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.99	
26 05 36 00-0717 EA 24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	873.94	222.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.85	
26 05 36 00-0718 EA 30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	952.59	244.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.88	
26 05 36 00-0719 EA 36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,040.94	272.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.39	
26 05 36 00-0720 Dropout Or End Plates And Reducers (26 05 36 00-0002)		
26 05 36 00-0721 Straight Reducers (26 05 36 00-0720)		
26 05 36 00-0722 EA 9"-6" Reducer, Steel Cable Tray.....	121.89	37.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.05	
26 05 36 00-0723 EA 12"-9" Reducer, Steel Cable Tray.....	128.37	40.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.44	
26 05 36 00-0724 EA 18"-12" Reducer, Steel Cable Tray.....	138.87	47.06
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.96	
26 05 36 00-0725 EA 24"-18" Reducer, Steel Cable Tray.....	152.42	54.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.70	
26 05 36 00-0726 EA 30"-24" Reducer, Steel Cable Tray.....	165.04	61.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.40	
26 05 36 00-0727 EA 36"-30" Reducer, Steel Cable Tray.....	187.30	69.97
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.90	
26 05 36 00-0728 Reducers (26 05 36 00-0720)		
26 05 36 00-0729 EA 18"-6" Reducer, Steel Cable Tray.....	141.49	47.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.22	
26 05 36 00-0730 EA 24"-12" Reducer, Steel Cable Tray.....	155.12	54.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.97	
26 05 36 00-0731 EA 30"-12" Reducer, Steel Cable Tray.....	170.09	61.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.91	
26 05 36 00-0732 EA 30"-18" Reducer, Steel Cable Tray.....	172.58	61.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.16	
26 05 36 00-0733 EA 36"-12" Reducer, Steel Cable Tray.....	188.58	69.97
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.03	
26 05 36 00-0734 EA 36"-18" Reducer, Steel Cable Tray.....	194.22	71.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.44	
26 05 36 00-0735 EA 36"-24" Reducer, Steel Cable Tray.....	200.61	74.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.89	
26 05 36 00-0736 Dropout Or End Plate (26 05 36 00-0720)		
26 05 36 00-0737 EA 6" Dropout Or End Plate, Steel Cable Tray.....	32.14	15.32
26 05 36 00-0738 EA 9" Dropout Or End Plate, Steel Cable Tray.....	36.92	17.50
26 05 36 00-0739 EA 12" Dropout Or End Plate, Steel Cable Tray.....	39.86	18.83
26 05 36 00-0740 EA 18" Dropout Or End Plate, Steel Cable Tray.....	47.06	22.25

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MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0741	EA 24" Dropout Or End Plate, Steel Cable Tray.....	52.91	24.50
26 05 36 00-0742	EA 30" Dropout Or End Plate, Steel Cable Tray.....	58.60	27.20
26 05 36 00-0743	EA 36" Dropout Or End Plate, Steel Cable Tray.....	66.20	30.62
26 05 36 00-0744	Ladder Bottom Aluminum Cable Tray (26 05 36 00-0001) Note: 4-5/8" Height		
26 05 36 00-0745	Straight Tray Sections (26 05 36 00-0744)		
26 05 36 00-0746	4" Rung Spacing (26 05 36 00-0745)		
26 05 36 00-0747	LF 6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	21.37	3.57
	For Class 12C Instead Of Class 12B, Add	2.61	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.84	
	For 6" Overall Height Instead Of 4-5/8", Add	1.07	
26 05 36 00-0748	LF 9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	22.58	3.77
	For Class 12C Instead Of Class 12B, Add	2.76	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.94	
	For 6" Overall Height Instead Of 4-5/8", Add	1.13	
26 05 36 00-0749	LF 12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	23.78	3.93
	For Class 12C Instead Of Class 12B, Add	2.91	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.05	
	For 6" Overall Height Instead Of 4-5/8", Add	1.19	
26 05 36 00-0750	LF 18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	26.35	4.29
	For Class 12C Instead Of Class 12B, Add	3.23	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.28	
	For 6" Overall Height Instead Of 4-5/8", Add	1.32	
26 05 36 00-0751	LF 24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	30.01	4.60
	For Class 12C Instead Of Class 12B, Add	3.74	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.62	
	For 6" Overall Height Instead Of 4-5/8", Add	1.50	
26 05 36 00-0752	LF 30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	32.79	4.90
	For Class 12C Instead Of Class 12B, Add	4.10	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.87	
	For 6" Overall Height Instead Of 4-5/8", Add	1.64	
26 05 36 00-0753	LF 36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	35.29	5.21
	For Class 12C Instead Of Class 12B, Add	4.42	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.09	
	For 6" Overall Height Instead Of 4-5/8", Add	1.76	
26 05 36 00-0754	6" Rung Spacing (26 05 36 00-0745)		
26 05 36 00-0755	LF 6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	19.97	3.57
	For Class 12C Instead Of Class 12B, Add	2.40	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.70	
	For 6" Overall Height Instead Of 4-5/8", Add	1.00	
26 05 36 00-0756	LF 9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	21.09	3.77
	For Class 12C Instead Of Class 12B, Add	2.54	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.80	
	For 6" Overall Height Instead Of 4-5/8", Add	1.05	
26 05 36 00-0757	LF 12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	22.21	3.93
	For Class 12C Instead Of Class 12B, Add	2.67	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.89	
	For 6" Overall Height Instead Of 4-5/8", Add	1.11	
26 05 36 00-0758	LF 18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	24.61	4.29
	For Class 12C Instead Of Class 12B, Add	2.97	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.10	
	For 6" Overall Height Instead Of 4-5/8", Add	1.23	
26 05 36 00-0759	LF 24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	27.98	4.60
	For Class 12C Instead Of Class 12B, Add	3.44	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.42	
	For 6" Overall Height Instead Of 4-5/8", Add	1.40	
26 05 36 00-0760	LF 30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	30.55	4.90
	For Class 12C Instead Of Class 12B, Add	3.77	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.65	
	For 6" Overall Height Instead Of 4-5/8", Add	1.53	
26 05 36 00-0761	LF 36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	32.87	5.21
	For Class 12C Instead Of Class 12B, Add	4.06	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.85	
	For 6" Overall Height Instead Of 4-5/8", Add	1.64	
26 05 36 00-0762	9" Rung Spacing (26 05 36 00-0745)		
26 05 36 00-0763	LF 6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	18.02	3.42
	For Class 12C Instead Of Class 12B, Add	2.13	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.52	
	For 6" Overall Height Instead Of 4-5/8", Add	0.90	
26 05 36 00-0764	LF 9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	18.33	3.57
	For Class 12C Instead Of Class 12B, Add	2.15	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.53	
	For 6" Overall Height Instead Of 4-5/8", Add	0.92	
26 05 36 00-0765	LF 12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	19.58	3.77
	For Class 12C Instead Of Class 12B, Add	2.31	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.65	
	For 6" Overall Height Instead Of 4-5/8", Add	0.98	
26 05 36 00-0766	LF 18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	20.93	4.03
	For Class 12C Instead Of Class 12B, Add	2.47	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.76	
	For 6" Overall Height Instead Of 4-5/8", Add	1.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0767	LF		24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.35 2.81 -1.99 1.17	4.19
26 05 36 00-0768	LF		30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.77 3.11 -2.20 1.29	4.50
26 05 36 00-0769	LF		36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.44 3.30 -2.34 1.37	4.90
26 05 36 00-0770			12" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771	LF		6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.61 2.09 -1.49 0.88	3.32
26 05 36 00-0772	LF		9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.88 2.11 -1.50 0.89	3.42
26 05 36 00-0773	LF		12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.63 2.19 -1.56 0.93	3.62
26 05 36 00-0774	LF		18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.73 2.32 -1.65 0.99	3.82
26 05 36 00-0775	LF		24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.32 2.55 -1.81 1.07	3.87
26 05 36 00-0776	LF		30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.97 2.73 -1.94 1.15	4.29
26 05 36 00-0777	LF		36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.39 2.89 -2.05 1.22	4.65
26 05 36 00-0778			18" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0779	LF		6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.39 2.07 -1.47 0.87	3.21
26 05 36 00-0780	LF		9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.46 2.06 -1.47 0.87	3.37
26 05 36 00-0781	LF		12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.38 2.18 -1.55 0.92	3.47
26 05 36 00-0782	LF		18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.35 2.29 -1.63 0.97	3.67
26 05 36 00-0783	LF		24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.48 2.45 -1.74 1.02	3.72
26 05 36 00-0784	LF		30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.52 2.55 -1.81 1.08	4.08
26 05 36 00-0785	LF		36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section <i>For Class 12C Instead Of Class 12B, Add</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.86 2.69 -1.92 1.14	4.44
26 05 36 00-0786			4" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-0787			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0788	EA		6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	149.51 -10.69 7.48	51.20
26 05 36 00-0789	EA		9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	163.02 -11.44 8.15	58.28
26 05 36 00-0790	EA		12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	185.44 -13.17 9.27	64.46

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26 05 36 00-0791	EA		18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	219.47	79.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.36	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.97	
26 05 36 00-0792	EA		24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	260.11	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.45	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.01	
26 05 36 00-0793	EA		30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	285.56	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.28	
26 05 36 00-0794	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	334.27	116.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.70	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.71	
26 05 36 00-0795			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0796)</small>		
26 05 36 00-0796	EA		6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	202.53	53.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.82	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.13	
26 05 36 00-0797	EA		9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	220.67	61.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.03	
26 05 36 00-0798	EA		12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	237.79	68.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.89	
26 05 36 00-0799	EA		18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	275.77	84.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.54	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.79	
26 05 36 00-0800	EA		24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	311.32	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.96	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.57	
26 05 36 00-0801	EA		30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	347.21	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.45	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.36	
26 05 36 00-0802	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	396.90	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.95	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.85	
26 05 36 00-0803			90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0796)</small>		
26 05 36 00-0804	EA		6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	217.91	55.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.90	
26 05 36 00-0805	EA		9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	235.75	64.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.21	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.79	
26 05 36 00-0806	EA		12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	263.22	72.06
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.31	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.16	
26 05 36 00-0807	EA		18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	312.13	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.65	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.61	
26 05 36 00-0808	EA		24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	359.55	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.98	
26 05 36 00-0809	EA		30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	404.12	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.20	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.21	
26 05 36 00-0810	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	469.07	143.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.92	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.45	
26 05 36 00-0811			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0796)</small>		
26 05 36 00-0812	EA		6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	104.09	37.10
			<i>For 60 Degree Bend, Deduct</i>	-20.13	
			<i>For 30 Degree Bend, Deduct</i>	-35.61	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.32	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.20	
26 05 36 00-0813	EA		9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	118.04	44.50
			<i>For 60 Degree Bend, Deduct</i>	-21.90	
			<i>For 30 Degree Bend, Deduct</i>	-38.97	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.10	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.90	
26 05 36 00-0814	EA		12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	130.58	51.04
			<i>For 60 Degree Bend, Deduct</i>	-23.53	
			<i>For 30 Degree Bend, Deduct</i>	-42.05	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.81	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.53	
26 05 36 00-0815	EA		18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	161.14	64.51
			<i>For 60 Degree Bend, Deduct</i>	-28.45	
			<i>For 30 Degree Bend, Deduct</i>	-51.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.06	
26 05 36 00-0816	EA		24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	198.34	79.01
			<i>For 60 Degree Bend, Deduct</i>	-35.17	
			<i>For 30 Degree Bend, Deduct</i>	-63.00	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.25	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.92	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05	36	00-0817	EA 30° Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	227.59 -40.33 -72.26 -15.20 11.38	90.70
	26 05	36	00-0818	EA 36° Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	257.12 -44.03 -79.31 -16.84 12.86	106.47
	26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>					
	26 05	36	00-0820	EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	120.66 -25.15 -44.05 -8.88 6.03	38.28
	26 05	36	00-0821	EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	140.32 -28.62 -50.26 -10.19 7.02	46.14
	26 05	36	00-0822	EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	153.82 -30.34 -53.52 -10.94 7.69	53.28
	26 05	36	00-0823	EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	183.33 -34.41 -61.13 -12.66 9.17	68.04
	26 05	36	00-0824	EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	222.12 -40.91 -72.88 -15.17 11.11	84.52
	26 05	36	00-0825	EA 30° Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	260.92 -48.53 -86.33 -17.92 13.05	98.05
	26 05	36	00-0826	EA 36° Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	296.93 -53.25 -95.23 -19.97 14.85	116.72
	26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>					
	26 05	36	00-0828	EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	142.22 -31.80 -55.19 -10.93 7.11	39.50
	26 05	36	00-0829	EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	157.99 -33.75 -58.91 -11.80 7.90	47.97
	26 05	36	00-0830	EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	172.46 -35.57 -62.37 -12.61 8.62	55.68
	26 05	36	00-0831	EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	207.94 -40.99 -72.31 -14.79 10.40	72.06
	26 05	36	00-0832	EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	258.48 -50.53 -89.25 -18.29 12.92	90.70
	26 05	36	00-0833	EA 30° Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	291.26 -55.30 -98.08 -20.25 14.56	106.47
	26 05	36	00-0834	EA 36° Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	339.99 -62.79 -111.81 -23.26 17.00	128.87
	26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0786)</small>					

26 Electrical

26 05 Common Work Results For Electrical

26 05 36 Cable Trays For Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0836 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -12.24</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 8.25</i>	164.90	51.04
26 05 36 00-0837 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -13.28</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 9.07</i>	181.37	58.28
26 05 36 00-0838 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -13.93</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 9.65</i>	193.04	64.46
26 05 36 00-0839 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -15.44</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 11.01</i>	220.23	79.01
26 05 36 00-0840 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -16.85</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 12.20</i>	244.08	90.70
26 05 36 00-0841 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -18.23</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 13.37</i>	267.39	102.08
26 05 36 00-0842 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -19.73</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 14.72</i>	294.37	116.52
26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers (26 05 36 00-0786)		
26 05 36 00-0844 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -13.07</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 8.76</i>	175.10	53.23
26 05 36 00-0845 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -14.10</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 9.60</i>	192.08	61.24
26 05 36 00-0846 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -14.89</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 10.28</i>	205.60	68.04
26 05 36 00-0847 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -16.77</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 11.90</i>	238.09	84.52
26 05 36 00-0848 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -18.47</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 13.32</i>	266.43	98.05
26 05 36 00-0849 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -20.16</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 14.72</i>	294.32	111.26
26 05 36 00-0850 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -22.35</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 16.55</i>	330.94	128.87
26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers (26 05 36 00-0786)		
26 05 36 00-0852 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -17.99</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 11.31</i>	226.28	55.63
26 05 36 00-0853 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -19.02</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 12.19</i>	243.85	64.46
26 05 36 00-0854 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -20.52</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 13.27</i>	265.31	72.06
26 05 36 00-0855 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -22.66</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 15.11</i>	302.15	90.70
26 05 36 00-0856 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -24.55</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 16.71</i>	334.23	106.47
26 05 36 00-0857 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -27.05</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 18.63</i>	372.53	122.50
26 05 36 00-0858 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -29.56</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 20.77</i>	415.48	143.92
26 05 36 00-0859 12" Radius Horizontal Tees (26 05 36 00-0786)		
26 05 36 00-0860 EA 6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -17.38</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 12.77</i>	255.46	98.05
26 05 36 00-0861 EA 9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -18.69</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 13.78</i>	275.59	106.47
26 05 36 00-0862 EA 12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -19.24</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 14.25</i>	285.09	111.26
26 05 36 00-0863 EA 18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -22.13</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 16.17</i>	323.41	122.50
26 05 36 00-0864 EA 24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct -24.47</i> <i>For 6" Overall Height Instead Of 4-5/8", Add 17.90</i>	357.97	135.96



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various cable tray configurations such as '30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray' and '24" Radius Horizontal Tees'.

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0894	EA		12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	536.76	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.84	
26 05 36 00-0895	EA		18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	564.37	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.22	
26 05 36 00-0896	EA		24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	583.07	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.10	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.15	
26 05 36 00-0897	EA		30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	614.61	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.73	
26 05 36 00-0898	EA		36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	677.89	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.03	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.89	
26 05 36 00-0899			36" Radius Vertical Tee <small>(26 05 36 00-0786)</small>		
26 05 36 00-0900	EA		6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	843.74	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.19	
26 05 36 00-0901	EA		9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	860.38	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.02	
26 05 36 00-0902	EA		12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	878.10	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.91	
26 05 36 00-0903	EA		18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	907.06	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.35	
26 05 36 00-0904	EA		24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	927.53	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.38	
26 05 36 00-0905	EA		30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	982.04	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.44	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.10	
26 05 36 00-0906	EA		36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,026.82	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.12	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.34	
26 05 36 00-0907			12" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0908	EA		6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	332.47	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.62	
26 05 36 00-0909	EA		9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	356.72	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.84	
26 05 36 00-0910	EA		12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	370.05	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.50	
26 05 36 00-0911	EA		18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	413.90	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.38	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.70	
26 05 36 00-0912	EA		24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	451.71	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.59	
26 05 36 00-0913	EA		30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	502.67	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.70	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.13	
26 05 36 00-0914	EA		36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	578.46	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.92	
26 05 36 00-0915			24" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0916	EA		6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	472.70	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.94	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.64	
26 05 36 00-0917	EA		9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	493.91	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.38	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.70	
26 05 36 00-0918	EA		12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	516.36	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.88	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.82	
26 05 36 00-0919	EA		18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	546.82	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.34	
26 05 36 00-0920	EA		24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	613.18	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.60	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.66	
26 05 36 00-0921	EA		30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	607.78	204.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.39	
26 05 36 00-0922	EA		36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	672.52	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.63	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0923			36" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0924	EA		6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	545.04	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.25	
26 05 36 00-0925	EA		9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	524.44	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.22	
26 05 36 00-0926	EA		12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	558.84	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.32	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.94	
26 05 36 00-0927	EA		18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	655.45	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.83	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.77	
26 05 36 00-0928	EA		24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	793.62	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.82	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.68	
26 05 36 00-0929	EA		30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	875.64	244.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.78	
26 05 36 00-0930	EA		36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	974.91	272.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.79	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.75	
26 05 36 00-0931			12" Radius Vertical Cross <small>(26 05 36 00-0786)</small>		
26 05 36 00-0932	EA		6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	332.47	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.62	
26 05 36 00-0933	EA		9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	356.79	128.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.94	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.84	
26 05 36 00-0934	EA		12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	370.01	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.50	
26 05 36 00-0935	EA		18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	413.99	144.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.38	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.70	
26 05 36 00-0936	EA		24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	451.71	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.59	
26 05 36 00-0937	EA		30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	502.80	174.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.14	
26 05 36 00-0938	EA		36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	578.08	188.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.90	
26 05 36 00-0939			24" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0940	EA		6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	472.70	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.94	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.64	
26 05 36 00-0941	EA		9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	493.91	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.38	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.70	
26 05 36 00-0942	EA		12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	516.36	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.88	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.82	
26 05 36 00-0943	EA		18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	546.82	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.34	
26 05 36 00-0944	EA		24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	613.18	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.60	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.66	
26 05 36 00-0945	EA		30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	660.31	204.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.02	
26 05 36 00-0946	EA		36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	731.73	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.63	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.59	
26 05 36 00-0947			36" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0948	EA		6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	675.48	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.79	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.77	
26 05 36 00-0949	EA		9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	709.86	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.38	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.49	
26 05 36 00-0950	EA		12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	755.39	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.77	
26 05 36 00-0951	EA		18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	808.98	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.45	
26 05 36 00-0952	EA		24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	983.84	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.19	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0953	EA		30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,086.24	244.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.24	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	54.31	
26 05 36 00-0954	EA		36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,209.28	272.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.46	
26 05 36 00-0955			6" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-0956			90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0957	EA		6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	140.33	51.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.02	
26 05 36 00-0958	EA		9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	153.62	58.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.68	
26 05 36 00-0959	EA		12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	174.29	64.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.06	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.71	
26 05 36 00-0960	EA		18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	206.93	79.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.35	
26 05 36 00-0961	EA		24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	244.55	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.90	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.23	
26 05 36 00-0962	EA		30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	269.07	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.40	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.45	
26 05 36 00-0963	EA		36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	314.29	116.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.71	
26 05 36 00-0964			90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0965	EA		6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	186.28	53.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.31	
26 05 36 00-0966	EA		9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	203.72	61.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.27	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.19	
26 05 36 00-0967	EA		12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	220.02	68.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.33	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.00	
26 05 36 00-0968	EA		18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	256.49	84.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.61	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.82	
26 05 36 00-0969	EA		24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	290.18	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.51	
26 05 36 00-0970	EA		30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	324.11	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.14	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.21	
26 05 36 00-0971	EA		36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	370.88	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.35	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.54	
26 05 36 00-0972			90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0973	EA		6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	200.03	55.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.00	
26 05 36 00-0974	EA		9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	217.40	64.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.87	
26 05 36 00-0975	EA		12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	242.78	72.06
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.27	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.14	
26 05 36 00-0976	EA		18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	289.14	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.36	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.46	
26 05 36 00-0977	EA		24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	333.53	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.48	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.68	
26 05 36 00-0978	EA		30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	375.55	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.35	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.78	
26 05 36 00-0979	EA		36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	436.33	143.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.82	
26 05 36 00-0980			45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0981	EA		6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	98.05	37.10
			<i>For 60 Degree Bend, Deduct</i>	-18.14	
			<i>For 30 Degree Bend, Deduct</i>	-32.29	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.90	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0982	EA		9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	111.77	44.50
			<i>For 60 Degree Bend, Deduct</i>	-19.83	
			<i>For 30 Degree Bend, Deduct</i>	-35.52	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.47	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.59	
26 05 36 00-0983	EA		12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	124.08	51.04
			<i>For 60 Degree Bend, Deduct</i>	-21.38	
			<i>For 30 Degree Bend, Deduct</i>	-38.47	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.16	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.20	
26 05 36 00-0984	EA		18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	153.48	64.51
			<i>For 60 Degree Bend, Deduct</i>	-25.93	
			<i>For 30 Degree Bend, Deduct</i>	-46.79	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.67	
26 05 36 00-0985	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	188.81	79.01
			<i>For 60 Degree Bend, Deduct</i>	-32.02	
			<i>For 30 Degree Bend, Deduct</i>	-57.76	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.30	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.44	
26 05 36 00-0986	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	216.68	90.70
			<i>For 60 Degree Bend, Deduct</i>	-36.73	
			<i>For 30 Degree Bend, Deduct</i>	-66.26	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.83	
26 05 36 00-0987	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	245.74	106.47
			<i>For 60 Degree Bend, Deduct</i>	-40.28	
			<i>For 30 Degree Bend, Deduct</i>	-73.05	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.70	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.29	
26 05 36 00-0988			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0985)</small>		
26 05 36 00-0989	EA		6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	112.53	38.28
			<i>For 60 Degree Bend, Deduct</i>	-22.47	
			<i>For 30 Degree Bend, Deduct</i>	-39.58	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.07	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.63	
26 05 36 00-0990	EA		9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	131.26	46.14
			<i>For 60 Degree Bend, Deduct</i>	-25.63	
			<i>For 30 Degree Bend, Deduct</i>	-45.27	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.56	
26 05 36 00-0991	EA		12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	144.53	53.28
			<i>For 60 Degree Bend, Deduct</i>	-27.27	
			<i>For 30 Degree Bend, Deduct</i>	-48.42	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.01	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.23	
26 05 36 00-0992	EA		18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	173.34	68.04
			<i>For 60 Degree Bend, Deduct</i>	-31.12	
			<i>For 30 Degree Bend, Deduct</i>	-55.64	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.66	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.67	
26 05 36 00-0993	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	210.51	84.52
			<i>For 60 Degree Bend, Deduct</i>	-37.08	
			<i>For 30 Degree Bend, Deduct</i>	-66.49	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.01	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.53	
26 05 36 00-0994	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	246.98	98.05
			<i>For 60 Degree Bend, Deduct</i>	-43.93	
			<i>For 30 Degree Bend, Deduct</i>	-78.66	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.53	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.35	
26 05 36 00-0995	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	282.30	116.72
			<i>For 60 Degree Bend, Deduct</i>	-48.42	
			<i>For 30 Degree Bend, Deduct</i>	-87.19	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.12	
26 05 36 00-0996			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0985)</small>		
26 05 36 00-0997	EA		6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	131.31	39.50
			<i>For 60 Degree Bend, Deduct</i>	-28.20	
			<i>For 30 Degree Bend, Deduct</i>	-49.19	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.57	
26 05 36 00-0998	EA		9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	146.84	47.97
			<i>For 60 Degree Bend, Deduct</i>	-30.07	
			<i>For 30 Degree Bend, Deduct</i>	-52.78	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.34	
26 05 36 00-0999	EA		12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	161.08	55.68
			<i>For 60 Degree Bend, Deduct</i>	-31.81	
			<i>For 30 Degree Bend, Deduct</i>	-56.11	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.47	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.05	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

City of Miami

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1000 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	195.40	72.06
For 60 Degree Bend, Deduct	-36.85	
For 30 Degree Bend, Deduct	-65.42	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.53	
For 6" Overall Height Instead Of 4-5/8", Add	9.77	
26 05 36 00-1001 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	243.15	90.70
For 60 Degree Bend, Deduct	-45.47	
For 30 Degree Bend, Deduct	-80.82	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.76	
For 6" Overall Height Instead Of 4-5/8", Add	12.16	
26 05 36 00-1002 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	275.01	106.47
For 60 Degree Bend, Deduct	-49.94	
For 30 Degree Bend, Deduct	-89.14	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.63	
For 6" Overall Height Instead Of 4-5/8", Add	13.75	
26 05 36 00-1003 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	322.11	128.87
For 60 Degree Bend, Deduct	-56.89	
For 30 Degree Bend, Deduct	-101.98	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.47	
For 6" Overall Height Instead Of 4-5/8", Add	16.11	
26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers (26 05 36 00-0955)		
26 05 36 00-1005 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	158.51	51.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.60	
For 6" Overall Height Instead Of 4-5/8", Add	7.93	
26 05 36 00-1006 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	174.64	58.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.61	
For 6" Overall Height Instead Of 4-5/8", Add	8.73	
26 05 36 00-1007 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	186.19	64.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.25	
For 6" Overall Height Instead Of 4-5/8", Add	9.31	
26 05 36 00-1008 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	213.14	79.01
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.73	
For 6" Overall Height Instead Of 4-5/8", Add	10.66	
26 05 36 00-1009 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	236.65	90.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.11	
For 6" Overall Height Instead Of 4-5/8", Add	11.83	
26 05 36 00-1010 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	259.61	102.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.45	
For 6" Overall Height Instead Of 4-5/8", Add	12.98	
26 05 36 00-1011 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	286.36	116.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.93	
For 6" Overall Height Instead Of 4-5/8", Add	14.32	
26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers (26 05 36 00-0955)		
26 05 36 00-1013 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	168.19	53.23
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.38	
For 6" Overall Height Instead Of 4-5/8", Add	8.41	
26 05 36 00-1014 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	184.88	61.24
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.38	
For 6" Overall Height Instead Of 4-5/8", Add	9.24	
26 05 36 00-1015 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	198.22	68.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.15	
For 6" Overall Height Instead Of 4-5/8", Add	9.91	
26 05 36 00-1016 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	230.31	84.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.99	
For 6" Overall Height Instead Of 4-5/8", Add	11.52	
26 05 36 00-1017 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	258.19	98.05
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.65	
For 6" Overall Height Instead Of 4-5/8", Add	12.91	
26 05 36 00-1018 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	285.61	111.26
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.29	
For 6" Overall Height Instead Of 4-5/8", Add	14.28	
26 05 36 00-1019 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	321.65	128.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.42	
For 6" Overall Height Instead Of 4-5/8", Add	16.08	
26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers (26 05 36 00-0955)		
26 05 36 00-1021 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	215.59	55.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.92	
For 6" Overall Height Instead Of 4-5/8", Add	10.78	
26 05 36 00-1022 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	232.93	64.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.92	
For 6" Overall Height Instead Of 4-5/8", Add	11.65	
26 05 36 00-1023 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	253.70	72.06
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.36	
For 6" Overall Height Instead Of 4-5/8", Add	12.69	
26 05 36 00-1024 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	290.07	90.70
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.45	
For 6" Overall Height Instead Of 4-5/8", Add	14.50	
26 05 36 00-1025 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	321.69	106.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.30	
For 6" Overall Height Instead Of 4-5/8", Add	16.08	
26 05 36 00-1026 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	359.06	122.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.70	
For 6" Overall Height Instead Of 4-5/8", Add	17.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1027	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	401.43 -28.15 20.07	143.92
26 05 36 00-1028			12" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1029	EA		6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	248.37 -16.67 12.42	98.05
26 05 36 00-1030	EA		9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	268.04 -17.93 13.40	106.47
26 05 36 00-1031	EA		12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	277.42 -18.47 13.87	111.26
26 05 36 00-1032	EA		18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	314.24 -21.22 15.71	122.50
26 05 36 00-1033	EA		24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	347.87 -23.46 17.39	135.96
26 05 36 00-1034	EA		30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	381.04 -26.09 19.05	144.18
26 05 36 00-1035	EA		36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	440.68 -30.47 22.03	163.22
26 05 36 00-1036			24" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1037	EA		6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	322.39 -23.37 16.12	106.47
26 05 36 00-1038	EA		9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	347.80 -25.05 17.39	116.72
26 05 36 00-1039	EA		12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	361.62 -25.95 18.08	122.50
26 05 36 00-1040	EA		18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	398.03 -28.47 19.90	135.96
26 05 36 00-1041	EA		24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	441.92 -31.43 22.10	153.12
26 05 36 00-1042	EA		30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	476.91 -34.09 23.85	163.22
26 05 36 00-1043	EA		36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	627.81 -47.07 31.39	188.59
26 05 36 00-1044			36" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1045	EA		6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	399.36 -30.21 19.97	116.72
26 05 36 00-1046	EA		9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	425.23 -31.78 21.26	128.87
26 05 36 00-1047	EA		12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	456.56 -34.32 22.83	135.96
26 05 36 00-1048	EA		18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	497.66 -37.01 24.88	153.12
26 05 36 00-1049	EA		24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	558.88 -41.32 27.94	174.81
26 05 36 00-1050	EA		30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	652.90 -49.58 32.65	188.59
26 05 36 00-1051	EA		36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	747.17 -56.17 37.36	222.53
26 05 36 00-1052			12" Radius Vertical Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1053	EA		6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	342.09 -26.65 17.10	90.70
26 05 36 00-1054	EA		9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	353.63 -27.51 17.68	94.27
26 05 36 00-1055	EA		12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	361.25 -27.96 18.06	98.05

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1056	EA		18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	379.52	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.98	
26 05 36 00-1057	EA		24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	404.23	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.21	
26 05 36 00-1058	EA		30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	427.11	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.36	
26 05 36 00-1059	EA		36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	456.56	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.32	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.83	
26 05 36 00-1060			24" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1061	EA		6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	486.67	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.33	
26 05 36 00-1062	EA		9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	497.61	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.25	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.88	
26 05 36 00-1063	EA		12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	509.12	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.46	
26 05 36 00-1064	EA		18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	535.92	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.87	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.80	
26 05 36 00-1065	EA		24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	553.92	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.70	
26 05 36 00-1066	EA		30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	584.77	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.24	
26 05 36 00-1067	EA		36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	645.38	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.78	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.27	
26 05 36 00-1068			36" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1069	EA		6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	792.49	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.38	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.62	
26 05 36 00-1070	EA		9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	808.47	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.42	
26 05 36 00-1071	EA		12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	825.51	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.83	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.28	
26 05 36 00-1072	EA		18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	853.81	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.69	
26 05 36 00-1073	EA		24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	873.62	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.03	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.68	
26 05 36 00-1074	EA		30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	926.13	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.31	
26 05 36 00-1075	EA		36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	970.24	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.51	
26 05 36 00-1076			12" Radius Horizontal Crosses (26 05 36 00-0955)		
26 05 36 00-1077	EA		6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	322.60	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.13	
26 05 36 00-1078	EA		9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	345.80	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.29	
26 05 36 00-1079	EA		12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	359.01	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.95	
26 05 36 00-1080	EA		18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	400.55	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.03	
26 05 36 00-1081	EA		24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	437.89	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.89	
26 05 36 00-1082	EA		30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	486.41	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.32	
26 05 36 00-1083	EA		36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	558.14	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.10	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.91	
26 05 36 00-1084			24" Radius Horizontal Crosses (26 05 36 00-0955)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1085	EA		6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	453.77 -34.05 22.69	135.96
26 05 36 00-1086	EA		9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	474.40 -35.43 23.72	144.18
26 05 36 00-1087	EA		12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	496.27 -36.87 24.81	153.12
26 05 36 00-1088	EA		18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	525.68 -38.97 26.28	163.22
26 05 36 00-1089	EA		24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	590.19 -43.31 29.51	188.59
26 05 36 00-1090	EA		30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	635.69 -46.56 31.78	204.15
26 05 36 00-1091	EA		36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	703.97 -51.85 35.20	222.53
26 05 36 00-1092			36" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1093	EA		6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	522.75 -39.52 26.14	153.12
26 05 36 00-1094	EA		9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	550.76 -41.47 27.54	163.22
26 05 36 00-1095	EA		12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	586.75 -44.11 29.34	174.81
26 05 36 00-1096	EA		18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	629.21 -47.21 31.46	188.59
26 05 36 00-1097	EA		24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	761.11 -57.57 38.06	222.53
26 05 36 00-1098	EA		30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	839.64 -63.58 41.98	244.58
26 05 36 00-1099	EA		36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	934.85 -70.78 46.74	272.44
26 05 36 00-1100			12" Radius Vertical Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1101	EA		6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	322.60 -22.05 16.13	122.50
26 05 36 00-1102	EA		9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	345.87 -23.84 17.29	128.92
26 05 36 00-1103	EA		12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	358.97 -24.57 17.95	135.96
26 05 36 00-1104	EA		18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	400.64 -28.05 20.03	144.23
26 05 36 00-1105	EA		24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	437.89 -30.19 21.89	163.22
26 05 36 00-1106	EA		30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	486.54 -34.08 24.33	174.86
26 05 36 00-1107	EA		36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	557.76 -40.08 27.89	188.33
26 05 36 00-1108			24" Radius Vertical Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1109	EA		6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	453.77 -34.05 22.69	135.96
26 05 36 00-1110	EA		9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	474.40 -35.43 23.72	144.18
26 05 36 00-1111	EA		12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	496.27 -36.87 24.81	153.12
26 05 36 00-1112	EA		18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	525.68 -38.97 26.28	163.22
26 05 36 00-1113	EA		24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	590.19 -43.31 29.51	188.59

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1114	EA		30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	635.69	204.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.78	
26 05 36 00-1115	EA		36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	703.97	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.20	
26 05 36 00-1116			36" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1117	EA		6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	643.15	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.16	
26 05 36 00-1118	EA		9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	676.18	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.81	
26 05 36 00-1119	EA		12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	719.69	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.40	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.98	
26 05 36 00-1120	EA		18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	770.93	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.38	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.55	
26 05 36 00-1121	EA		24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	936.69	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.12	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.83	
26 05 36 00-1122	EA		30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,034.04	244.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.70	
26 05 36 00-1123	EA		36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,151.19	272.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	57.56	
26 05 36 00-1124			9" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-1125			90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1126	EA		6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	131.16	51.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.56	
26 05 36 00-1127	EA		9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	144.21	58.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.21	
26 05 36 00-1128	EA		12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	163.14	64.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.94	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.16	
26 05 36 00-1129	EA		18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	194.39	79.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.72	
26 05 36 00-1130	EA		24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	228.99	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.34	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.45	
26 05 36 00-1131	EA		30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	252.58	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.63	
26 05 36 00-1132	EA		36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	294.32	116.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.72	
26 05 36 00-1133			90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1134	EA		6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	170.02	53.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.50	
26 05 36 00-1135	EA		9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	186.76	61.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.34	
26 05 36 00-1136	EA		12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	202.26	68.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.11	
26 05 36 00-1137	EA		18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	237.22	84.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.86	
26 05 36 00-1138	EA		24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	269.05	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.45	
26 05 36 00-1139	EA		30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	301.00	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.83	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.05	
26 05 36 00-1140	EA		36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	344.87	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.24	
26 05 36 00-1141			90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1124)		
26 05 36 00-1142	EA		6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	182.15	55.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1143	EA		9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	199.05	64.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.54	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.95	
26 05 36 00-1144	EA		12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	222.34	72.06
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.12	
26 05 36 00-1145	EA		18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	266.15	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.06	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.31	
26 05 36 00-1146	EA		24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	307.52	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.88	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.38	
26 05 36 00-1147	EA		30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	346.99	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.49	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.35	
26 05 36 00-1148	EA		36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	403.58	143.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.18	
26 05 36 00-1149			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1150	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	92.01	37.10
			<i>For 60 Degree Bend, Deduct</i>	-16.14	
			<i>For 30 Degree Bend, Deduct</i>	-28.97	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.60	
26 05 36 00-1151	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	105.49	44.50
			<i>For 60 Degree Bend, Deduct</i>	-17.76	
			<i>For 30 Degree Bend, Deduct</i>	-32.07	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.27	
26 05 36 00-1152	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	117.58	51.04
			<i>For 60 Degree Bend, Deduct</i>	-19.24	
			<i>For 30 Degree Bend, Deduct</i>	-34.90	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.51	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.88	
26 05 36 00-1153	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	145.81	64.51
			<i>For 60 Degree Bend, Deduct</i>	-23.39	
			<i>For 30 Degree Bend, Deduct</i>	-42.57	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.21	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.29	
26 05 36 00-1154	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	179.29	79.01
			<i>For 60 Degree Bend, Deduct</i>	-28.88	
			<i>For 30 Degree Bend, Deduct</i>	-52.52	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.35	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.96	
26 05 36 00-1155	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	205.76	90.70
			<i>For 60 Degree Bend, Deduct</i>	-33.13	
			<i>For 30 Degree Bend, Deduct</i>	-60.26	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.29	
26 05 36 00-1156	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	234.36	106.47
			<i>For 60 Degree Bend, Deduct</i>	-36.52	
			<i>For 30 Degree Bend, Deduct</i>	-66.79	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.72	
26 05 36 00-1157			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1158	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	104.40	38.28
			<i>For 60 Degree Bend, Deduct</i>	-19.79	
			<i>For 30 Degree Bend, Deduct</i>	-35.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.25	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.22	
26 05 36 00-1159	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	122.20	46.14
			<i>For 60 Degree Bend, Deduct</i>	-22.64	
			<i>For 30 Degree Bend, Deduct</i>	-40.29	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.11	
26 05 36 00-1160	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	135.24	53.28
			<i>For 60 Degree Bend, Deduct</i>	-24.21	
			<i>For 30 Degree Bend, Deduct</i>	-43.31	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.76	
26 05 36 00-1161	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	163.35	68.04
			<i>For 60 Degree Bend, Deduct</i>	-27.82	
			<i>For 30 Degree Bend, Deduct</i>	-50.15	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.66	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.17	
26 05 36 00-1162	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	198.89	84.52
			<i>For 60 Degree Bend, Deduct</i>	-33.24	
			<i>For 30 Degree Bend, Deduct</i>	-60.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.94	
26 05 36 00-1163	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	233.05	98.05
			<i>For 60 Degree Bend, Deduct</i>	-39.33	
			<i>For 30 Degree Bend, Deduct</i>	-71.00	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.14	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.65	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

City of Miami

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1164	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	267.67	116.72
			<i>For 60 Degree Bend, Deduct</i>	-43.59	
			<i>For 30 Degree Bend, Deduct</i>	-79.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.38	
26 05 36 00-1165			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1166	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	120.39	39.50
			<i>For 60 Degree Bend, Deduct</i>	-24.59	
			<i>For 30 Degree Bend, Deduct</i>	-43.18	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.02	
26 05 36 00-1167	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	135.69	47.97
			<i>For 60 Degree Bend, Deduct</i>	-26.39	
			<i>For 30 Degree Bend, Deduct</i>	-46.65	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.78	
26 05 36 00-1168	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	149.70	55.68
			<i>For 60 Degree Bend, Deduct</i>	-28.06	
			<i>For 30 Degree Bend, Deduct</i>	-49.86	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.33	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.49	
26 05 36 00-1169	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	182.86	72.06
			<i>For 60 Degree Bend, Deduct</i>	-32.71	
			<i>For 30 Degree Bend, Deduct</i>	-58.52	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.14	
26 05 36 00-1170	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	227.82	90.70
			<i>For 60 Degree Bend, Deduct</i>	-40.41	
			<i>For 30 Degree Bend, Deduct</i>	-72.39	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.39	
26 05 36 00-1171	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	258.75	106.47
			<i>For 60 Degree Bend, Deduct</i>	-44.57	
			<i>For 30 Degree Bend, Deduct</i>	-80.20	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.00	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.94	
26 05 36 00-1172	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	304.23	128.87
			<i>For 60 Degree Bend, Deduct</i>	-50.99	
			<i>For 30 Degree Bend, Deduct</i>	-92.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.21	
26 05 36 00-1173			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1174	EA		6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	148.93	51.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.45	
26 05 36 00-1175	EA		9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	164.53	58.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.59	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.23	
26 05 36 00-1176	EA		12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	175.91	64.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.80	
26 05 36 00-1177	EA		18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	202.52	79.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.13	
26 05 36 00-1178	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	225.50	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.28	
26 05 36 00-1179	EA		30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	247.94	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.29	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.40	
26 05 36 00-1180	EA		36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	274.34	116.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.72	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.72	
26 05 36 00-1181			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1182	EA		6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	157.83	53.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.35	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.89	
26 05 36 00-1183	EA		9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	174.08	61.24
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.30	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.70	
26 05 36 00-1184	EA		12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	187.16	68.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.36	
26 05 36 00-1185	EA		18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	218.64	84.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.82	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.93	
26 05 36 00-1186	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	245.82	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.41	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.29	
26 05 36 00-1187	EA		30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	272.55	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.98	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.63	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1188	EA		36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	307.71 -20.03 15.39	128.87
26 05 36 00-1189			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1190	EA		6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	199.57 -15.32 9.98	55.63
26 05 36 00-1191	EA		9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	216.56 -16.29 10.83	64.46
26 05 36 00-1192	EA		12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	236.28 -17.62 11.81	72.06
26 05 36 00-1193	EA		18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	271.95 -19.64 13.60	90.70
26 05 36 00-1194	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	302.88 -21.42 15.14	106.47
26 05 36 00-1195	EA		30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	338.86 -23.68 16.94	122.50
26 05 36 00-1196	EA		36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	380.35 -26.04 19.02	143.92
26 05 36 00-1197			12" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1198	EA		6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	234.21 -15.25 11.71	98.05
26 05 36 00-1199	EA		9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	252.94 -16.42 12.65	106.47
26 05 36 00-1200	EA		12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	262.09 -16.94 13.10	111.26
26 05 36 00-1201	EA		18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	295.89 -19.38 14.79	122.50
26 05 36 00-1202	EA		24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	327.66 -21.43 16.38	135.96
26 05 36 00-1203	EA		30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	357.58 -23.74 17.88	144.18
26 05 36 00-1204	EA		36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	412.57 -27.65 20.63	163.22
26 05 36 00-1205			24" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1206	EA		6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	298.23 -20.95 14.91	106.47
26 05 36 00-1207	EA		9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	322.25 -22.50 16.11	116.72
26 05 36 00-1208	EA		12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	335.37 -23.33 16.77	122.50
26 05 36 00-1209	EA		18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	369.47 -25.62 18.47	135.96
26 05 36 00-1210	EA		24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	410.80 -28.32 20.54	153.12
26 05 36 00-1211	EA		30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	442.77 -30.67 22.14	163.22
26 05 36 00-1212	EA		36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	575.56 -41.84 28.78	188.59
26 05 36 00-1213			36" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1214	EA		6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	365.22 -26.80 18.26	116.72
26 05 36 00-1215	EA		9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	390.16 -28.28 19.51	128.87
26 05 36 00-1216	EA		12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	418.24 -30.49 20.91	135.96

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1217	EA		18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	457.25	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.86	
26 05 36 00-1218	EA		24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	514.28	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.71	
26 05 36 00-1219	EA		30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	596.46	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.82	
26 05 36 00-1220	EA		36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	684.46	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.90	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.22	
26 05 36 00-1221			12" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1222	EA		6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	310.27	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.47	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.51	
26 05 36 00-1223	EA		9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	320.88	94.27
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.04	
26 05 36 00-1224	EA		12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	328.27	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.66	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.41	
26 05 36 00-1225	EA		18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	345.84	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.29	
26 05 36 00-1226	EA		24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	367.77	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.39	
26 05 36 00-1227	EA		30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	389.95	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.79	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.50	
26 05 36 00-1228	EA		36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	418.24	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.49	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.91	
26 05 36 00-1229			24" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1230	EA		6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	432.78	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.64	
26 05 36 00-1231	EA		9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	443.03	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.15	
26 05 36 00-1232	EA		12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	453.84	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.51	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.69	
26 05 36 00-1233	EA		18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	479.02	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.95	
26 05 36 00-1234	EA		24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	495.63	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.36	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.78	
26 05 36 00-1235	EA		30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	525.08	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.25	
26 05 36 00-1236	EA		36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	580.35	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.02	
26 05 36 00-1237			36" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1238	EA		6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	689.99	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.50	
26 05 36 00-1239	EA		9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	704.63	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.23	
26 05 36 00-1240	EA		12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	720.34	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.31	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.02	
26 05 36 00-1241	EA		18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	747.31	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.37	
26 05 36 00-1242	EA		24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	765.78	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.25	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.29	
26 05 36 00-1243	EA		30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	814.31	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.72	
26 05 36 00-1244	EA		36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	857.09	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.14	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.85	
26 05 36 00-1245			12" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1246 EA 6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	302.86	122.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.08	
For 6" Overall Height Instead Of 4-5/8", Add	15.14	
26 05 36 00-1247 EA 9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	323.97	128.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.66	
For 6" Overall Height Instead Of 4-5/8", Add	16.20	
26 05 36 00-1248 EA 12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	336.95	135.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.36	
For 6" Overall Height Instead Of 4-5/8", Add	16.85	
26 05 36 00-1249 EA 18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	373.84	144.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.37	
For 6" Overall Height Instead Of 4-5/8", Add	18.69	
26 05 36 00-1250 EA 24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	410.25	163.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.42	
For 6" Overall Height Instead Of 4-5/8", Add	20.51	
26 05 36 00-1251 EA 30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	453.90	174.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.82	
For 6" Overall Height Instead Of 4-5/8", Add	22.70	
26 05 36 00-1252 EA 36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	517.49	188.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.04	
For 6" Overall Height Instead Of 4-5/8", Add	25.87	
26 05 36 00-1253 24" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1254 EA 6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	415.92	135.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.26	
For 6" Overall Height Instead Of 4-5/8", Add	20.80	
26 05 36 00-1255 EA 9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	435.38	144.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.52	
For 6" Overall Height Instead Of 4-5/8", Add	21.77	
26 05 36 00-1256 EA 12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	456.09	153.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.85	
For 6" Overall Height Instead Of 4-5/8", Add	22.80	
26 05 36 00-1257 EA 18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	483.41	163.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.74	
For 6" Overall Height Instead Of 4-5/8", Add	24.17	
26 05 36 00-1258 EA 24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	544.20	188.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.71	
For 6" Overall Height Instead Of 4-5/8", Add	27.21	
26 05 36 00-1259 EA 30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	586.45	204.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.63	
For 6" Overall Height Instead Of 4-5/8", Add	29.32	
26 05 36 00-1260 EA 36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	648.46	222.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.30	
For 6" Overall Height Instead Of 4-5/8", Add	32.42	
26 05 36 00-1261 36" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1262 EA 6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	478.15	153.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.06	
For 6" Overall Height Instead Of 4-5/8", Add	23.91	
26 05 36 00-1263 EA 9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	504.31	163.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.83	
For 6" Overall Height Instead Of 4-5/8", Add	25.22	
26 05 36 00-1264 EA 12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	537.51	174.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.19	
For 6" Overall Height Instead Of 4-5/8", Add	26.88	
26 05 36 00-1265 EA 18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	576.72	188.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.96	
For 6" Overall Height Instead Of 4-5/8", Add	28.84	
26 05 36 00-1266 EA 24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	696.08	222.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.06	
For 6" Overall Height Instead Of 4-5/8", Add	34.80	
26 05 36 00-1267 EA 30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	767.64	244.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.38	
For 6" Overall Height Instead Of 4-5/8", Add	38.38	
26 05 36 00-1268 EA 36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	854.72	272.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.77	
For 6" Overall Height Instead Of 4-5/8", Add	42.74	
26 05 36 00-1269 12" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1270 EA 6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	302.86	122.50
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.08	
For 6" Overall Height Instead Of 4-5/8", Add	15.14	
26 05 36 00-1271 EA 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	323.97	128.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.66	
For 6" Overall Height Instead Of 4-5/8", Add	16.20	
26 05 36 00-1272 EA 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	336.95	135.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.36	
For 6" Overall Height Instead Of 4-5/8", Add	16.85	
26 05 36 00-1273 EA 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	373.84	144.18
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.37	
For 6" Overall Height Instead Of 4-5/8", Add	18.69	
26 05 36 00-1274 EA 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	410.25	163.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.42	
For 6" Overall Height Instead Of 4-5/8", Add	20.51	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1275	EA		30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	453.90	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.82	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.70	
26 05 36 00-1276	EA		36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	516.72	188.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.00	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.84	
26 05 36 00-1277			24" Radius Vertical Crosses (26 05 36 00-1274)		
26 05 36 00-1278	EA		6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	415.92	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.80	
26 05 36 00-1279	EA		9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	435.38	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.52	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.77	
26 05 36 00-1280	EA		12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	456.09	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.80	
26 05 36 00-1281	EA		18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	483.41	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.17	
26 05 36 00-1282	EA		24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	544.20	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.21	
26 05 36 00-1283	EA		30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	586.45	204.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.63	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.32	
26 05 36 00-1284	EA		36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	648.46	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.30	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.42	
26 05 36 00-1285			36" Radius Vertical Crosses (26 05 36 00-1284)		
26 05 36 00-1286	EA		6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	578.49	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.09	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.92	
26 05 36 00-1287	EA		9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	608.83	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.44	
26 05 36 00-1288	EA		12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	648.29	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.41	
26 05 36 00-1289	EA		18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	694.82	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.74	
26 05 36 00-1290	EA		24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	842.40	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.12	
26 05 36 00-1291	EA		30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	929.64	244.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.48	
26 05 36 00-1292	EA		36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,035.01	272.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.75	
26 05 36 00-1293			12" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-1294			90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1295	EA		6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	127.95	51.20
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.53	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.40	
26 05 36 00-1296	EA		9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	140.92	58.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.05	
26 05 36 00-1297	EA		12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	159.24	64.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.55	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.96	
26 05 36 00-1298	EA		18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	190.00	79.01
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.50	
26 05 36 00-1299	EA		24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	223.54	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.18	
26 05 36 00-1300	EA		30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	246.81	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.34	
26 05 36 00-1301	EA		36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	287.33	116.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.01	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.37	
26 05 36 00-1302			90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1293)		
26 05 36 00-1303	EA		6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	164.33	53.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.00	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1304	EA		9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	180.83	61.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.98	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.04	
26 05 36 00-1305	EA		12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	196.04	68.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.80	
26 05 36 00-1306	EA		18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	230.47	84.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.01	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.52	
26 05 36 00-1307	EA		24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	261.65	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.00	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.08	
26 05 36 00-1308	EA		30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	292.91	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.65	
26 05 36 00-1309	EA		36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	335.77	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.79	
26 05 36 00-1310			90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1311	EA		6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	175.89	55.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.95	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.79	
26 05 36 00-1312	EA		9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	192.63	64.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.90	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.63	
26 05 36 00-1313	EA		12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	215.19	72.06
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.51	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.76	
26 05 36 00-1314	EA		18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	258.10	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.25	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.91	
26 05 36 00-1315	EA		24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	298.42	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.92	
26 05 36 00-1316	EA		30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	336.99	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.49	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.85	
26 05 36 00-1317	EA		36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	392.12	143.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.61	
26 05 36 00-1318			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1319	EA		6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	89.90	37.10
			<i>For 60 Degree Bend, Deduct</i>	-15.45	
			<i>For 30 Degree Bend, Deduct</i>	-27.81	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.90	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	4.50	
26 05 36 00-1320	EA		9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	103.30	44.50
			<i>For 60 Degree Bend, Deduct</i>	-17.04	
			<i>For 30 Degree Bend, Deduct</i>	-30.87	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.62	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.17	
26 05 36 00-1321	EA		12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	115.30	51.04
			<i>For 60 Degree Bend, Deduct</i>	-18.49	
			<i>For 30 Degree Bend, Deduct</i>	-33.64	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.77	
26 05 36 00-1322	EA		18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	143.13	64.51
			<i>For 60 Degree Bend, Deduct</i>	-22.51	
			<i>For 30 Degree Bend, Deduct</i>	-41.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.94	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.16	
26 05 36 00-1323	EA		24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	175.96	79.01
			<i>For 60 Degree Bend, Deduct</i>	-27.78	
			<i>For 30 Degree Bend, Deduct</i>	-50.69	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.01	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.80	
26 05 36 00-1324	EA		30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	201.94	90.70
			<i>For 60 Degree Bend, Deduct</i>	-31.87	
			<i>For 30 Degree Bend, Deduct</i>	-58.15	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.10	
26 05 36 00-1325	EA		36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	230.38	106.47
			<i>For 60 Degree Bend, Deduct</i>	-35.21	
			<i>For 30 Degree Bend, Deduct</i>	-64.60	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.52	
26 05 36 00-1326			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1327	EA		6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	101.56	38.28
			<i>For 60 Degree Bend, Deduct</i>	-18.85	
			<i>For 30 Degree Bend, Deduct</i>	-33.54	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.08	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1328	EA		9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	119.03	46.14
			For 60 Degree Bend, Deduct	-21.59	
			For 30 Degree Bend, Deduct	-38.55	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.06	
			For 6" Overall Height Instead Of 4-5/8", Add	5.95	
26 05 36 00-1329	EA		12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	131.99	53.28
			For 60 Degree Bend, Deduct	-23.14	
			For 30 Degree Bend, Deduct	-41.52	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.76	
			For 6" Overall Height Instead Of 4-5/8", Add	6.60	
26 05 36 00-1330	EA		18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	159.86	68.04
			For 60 Degree Bend, Deduct	-26.67	
			For 30 Degree Bend, Deduct	-48.23	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.32	
			For 6" Overall Height Instead Of 4-5/8", Add	7.99	
26 05 36 00-1331	EA		24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	194.83	84.52
			For 60 Degree Bend, Deduct	-31.90	
			For 30 Degree Bend, Deduct	-57.87	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.44	
			For 6" Overall Height Instead Of 4-5/8", Add	9.74	
26 05 36 00-1332	EA		30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	228.17	98.05
			For 60 Degree Bend, Deduct	-37.72	
			For 30 Degree Bend, Deduct	-68.31	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.65	
			For 6" Overall Height Instead Of 4-5/8", Add	11.41	
26 05 36 00-1333	EA		36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	262.55	116.72
			For 60 Degree Bend, Deduct	-41.90	
			For 30 Degree Bend, Deduct	-76.32	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.53	
			For 6" Overall Height Instead Of 4-5/8", Add	13.13	
26 05 36 00-1334			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335	EA		6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	116.57	39.50
			For 60 Degree Bend, Deduct	-23.33	
			For 30 Degree Bend, Deduct	-41.08	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.37	
			For 6" Overall Height Instead Of 4-5/8", Add	5.83	
26 05 36 00-1336	EA		9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	131.79	47.97
			For 60 Degree Bend, Deduct	-25.10	
			For 30 Degree Bend, Deduct	-44.50	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.18	
			For 6" Overall Height Instead Of 4-5/8", Add	6.59	
26 05 36 00-1337	EA		12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	145.72	55.68
			For 60 Degree Bend, Deduct	-26.74	
			For 30 Degree Bend, Deduct	-47.67	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.93	
			For 6" Overall Height Instead Of 4-5/8", Add	7.29	
26 05 36 00-1338	EA		18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	178.47	72.06
			For 60 Degree Bend, Deduct	-31.26	
			For 30 Degree Bend, Deduct	-56.11	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.84	
			For 6" Overall Height Instead Of 4-5/8", Add	8.92	
26 05 36 00-1339	EA		24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	222.46	90.70
			For 60 Degree Bend, Deduct	-38.64	
			For 30 Degree Bend, Deduct	-69.44	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.69	
			For 6" Overall Height Instead Of 4-5/8", Add	11.12	
26 05 36 00-1340	EA		30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	253.06	106.47
			For 60 Degree Bend, Deduct	-42.69	
			For 30 Degree Bend, Deduct	-77.07	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.43	
			For 6" Overall Height Instead Of 4-5/8", Add	12.65	
26 05 36 00-1341	EA		36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	297.97	128.87
			For 60 Degree Bend, Deduct	-48.92	
			For 30 Degree Bend, Deduct	-88.70	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.06	
			For 6" Overall Height Instead Of 4-5/8", Add	14.90	
26 05 36 00-1342			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1343	EA		6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	142.54	51.04
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.00	
			For 6" Overall Height Instead Of 4-5/8", Add	7.13	
26 05 36 00-1344	EA		9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	157.80	58.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.92	
			For 6" Overall Height Instead Of 4-5/8", Add	7.89	
26 05 36 00-1345	EA		12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	169.06	64.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.54	
			For 6" Overall Height Instead Of 4-5/8", Add	8.45	
26 05 36 00-1346	EA		18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	195.43	79.01
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.96	
			For 6" Overall Height Instead Of 4-5/8", Add	9.77	
26 05 36 00-1347	EA		24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	218.07	90.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.25	
			For 6" Overall Height Instead Of 4-5/8", Add	10.90	
26 05 36 00-1348	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	240.15	102.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.51	
			For 6" Overall Height Instead Of 4-5/8", Add	12.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1349	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	266.32 -16.92 13.32	116.52
26 05 36 00-1350			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1351	EA		6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	150.92 -10.66 7.55	53.23
26 05 36 00-1352	EA		9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	166.88 -11.58 8.34	61.24
26 05 36 00-1353	EA		12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	179.79 -12.31 8.99	68.04
26 05 36 00-1354	EA		18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	210.85 -14.04 10.54	84.52
26 05 36 00-1355	EA		24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	237.58 -15.59 11.88	98.05
26 05 36 00-1356	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	263.84 -17.11 13.19	111.26
26 05 36 00-1357	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	298.42 -19.10 14.92	128.87
26 05 36 00-1358			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1359	EA		6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	188.88 -14.25 9.44	55.63
26 05 36 00-1360	EA		9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	205.64 -15.19 10.28	64.46
26 05 36 00-1361	EA		12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	224.66 -16.46 11.23	72.06
26 05 36 00-1362	EA		18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	259.87 -18.43 12.99	90.70
26 05 36 00-1363	EA		24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	290.34 -20.16 14.52	106.47
26 05 36 00-1364	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	325.39 -22.33 16.27	122.50
26 05 36 00-1365	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	366.30 -24.64 18.32	143.92
26 05 36 00-1366			12" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1367	EA		6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	227.12 -14.54 11.36	98.05
26 05 36 00-1368	EA		9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	245.39 -15.67 12.27	106.47
26 05 36 00-1369	EA		12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	254.43 -16.17 12.72	111.26
26 05 36 00-1370	EA		18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	286.72 -18.46 14.34	122.50
26 05 36 00-1371	EA		24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	317.56 -20.42 15.88	135.96
26 05 36 00-1372	EA		30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	345.85 -22.57 17.29	144.18
26 05 36 00-1373	EA		36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	398.52 -26.25 19.93	163.22
26 05 36 00-1374			24" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1375	EA		6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	286.15 -19.74 14.31	106.47
26 05 36 00-1376	EA		9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	309.48 -21.22 15.47	116.72
26 05 36 00-1377	EA		12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	322.25 -22.02 16.11	122.50

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1378	EA		18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	355.18	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.76	
26 05 36 00-1379	EA		24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	395.24	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.76	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.76	
26 05 36 00-1380	EA		30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	425.70	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.29	
26 05 36 00-1381	EA		36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	549.43	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.47	
26 05 36 00-1382			36" Radius Horizontal Tees (26 05 36 00-1293)		
26 05 36 00-1383	EA		6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	348.15	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.09	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.41	
26 05 36 00-1384	EA		9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	372.63	128.87
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.52	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.63	
26 05 36 00-1385	EA		12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	399.08	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.95	
26 05 36 00-1386	EA		18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	437.04	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.94	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.85	
26 05 36 00-1387	EA		24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	491.99	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.63	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.60	
26 05 36 00-1388	EA		30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	568.24	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.41	
26 05 36 00-1389	EA		36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	653.11	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.66	
26 05 36 00-1390			12" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1391	EA		6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	294.36	90.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.88	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.72	
26 05 36 00-1392	EA		9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	304.51	94.27
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.59	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.23	
26 05 36 00-1393	EA		12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	311.78	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.01	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.59	
26 05 36 00-1394	EA		18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	329.01	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.03	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.45	
26 05 36 00-1395	EA		24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	349.54	111.26
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.48	
26 05 36 00-1396	EA		30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	371.37	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.57	
26 05 36 00-1397	EA		36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	399.08	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.95	
26 05 36 00-1398			24" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1399	EA		6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	405.84	98.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.29	
26 05 36 00-1400	EA		9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	415.74	102.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.07	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.79	
26 05 36 00-1401	EA		12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	426.20	106.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.31	
26 05 36 00-1402	EA		18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	450.57	116.72
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.33	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.53	
26 05 36 00-1403	EA		24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	466.48	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.44	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.32	
26 05 36 00-1404	EA		30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	495.23	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.76	
26 05 36 00-1405	EA		36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	547.83	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.39	
26 05 36 00-1406			36" Radius Vertical Tees (26 05 36 00-1293)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1407 EA 6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	638.73 -55.00 31.94	106.47
26 05 36 00-1408 EA 9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	652.71 -56.00 32.64	111.26
26 05 36 00-1409 EA 12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	667.76 -57.05 33.39	116.72
26 05 36 00-1410 EA 18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	694.06 -58.67 34.70	128.87
26 05 36 00-1411 EA 24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	711.87 -59.86 35.59	135.96
26 05 36 00-1412 EA 30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	758.40 -63.08 37.92	153.12
26 05 36 00-1413 EA 36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	800.51 -65.49 40.03	174.81
26 05 36 00-1414 12" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1415 EA 6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	292.99 -19.09 14.65	122.50
26 05 36 00-1416 EA 9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	313.05 -20.56 15.65	128.87
26 05 36 00-1417 EA 12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	325.92 -21.26 16.30	135.96
26 05 36 00-1418 EA 18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	360.48 -24.03 18.02	144.18
26 05 36 00-1419 EA 24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	396.43 -26.04 19.82	163.22
26 05 36 00-1420 EA 30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	437.64 -29.20 21.88	174.81
26 05 36 00-1421 EA 36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	497.17 -34.00 24.86	188.59
26 05 36 00-1422 24" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1423 EA 6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	396.99 -28.37 19.85	135.96
26 05 36 00-1424 EA 9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	415.87 -29.57 20.79	144.18
26 05 36 00-1425 EA 12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	436.00 -30.84 21.80	153.12
26 05 36 00-1426 EA 18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	462.28 -32.63 23.11	163.22
26 05 36 00-1427 EA 24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	521.21 -36.41 26.06	188.59
26 05 36 00-1428 EA 30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	561.83 -39.17 28.09	204.15
26 05 36 00-1429 EA 36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	620.71 -43.53 31.04	222.53
26 05 36 00-1430 36" Radius Horizontal Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1431 EA 6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	455.86 -32.83 22.79	153.12
26 05 36 00-1432 EA 9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	481.09 -34.51 24.05	163.22
26 05 36 00-1433 EA 12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	512.89 -36.72 25.64	174.81
26 05 36 00-1434 EA 18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	550.47 -39.33 27.52	188.59
26 05 36 00-1435 EA 24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	663.56 -47.81 33.18	222.53

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1436	EA		30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	731.64	244.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.78	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.58	
26 05 36 00-1437	EA		36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	814.65	272.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.76	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.73	
26 05 36 00-1438			12" Radius Vertical Crosses (26 05 36 00-1293)		
26 05 36 00-1439	EA		6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	292.99	122.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.09	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.65	
26 05 36 00-1440	EA		9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	313.12	128.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.66	
26 05 36 00-1441	EA		12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	325.88	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.29	
26 05 36 00-1442	EA		18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	360.57	144.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.03	
26 05 36 00-1443	EA		24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	396.43	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.82	
26 05 36 00-1444	EA		30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	437.77	174.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.20	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.89	
26 05 36 00-1445	EA		36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	496.79	188.33
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.98	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.84	
26 05 36 00-1446			24" Radius Vertical Crosses (26 05 36 00-1293)		
26 05 36 00-1447	EA		6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	396.99	135.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.85	
26 05 36 00-1448	EA		9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	415.87	144.18
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.79	
26 05 36 00-1449	EA		12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	436.00	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.80	
26 05 36 00-1450	EA		18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	462.28	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.63	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.11	
26 05 36 00-1451	EA		24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	521.21	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.41	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.06	
26 05 36 00-1452	EA		30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	561.83	204.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.09	
26 05 36 00-1453	EA		36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	620.71	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.53	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.04	
26 05 36 00-1454			36" Radius Vertical Crosses (26 05 36 00-1293)		
26 05 36 00-1455	EA		6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	546.16	153.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.31	
26 05 36 00-1456	EA		9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	575.15	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.76	
26 05 36 00-1457	EA		12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	612.60	174.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.63	
26 05 36 00-1458	EA		18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	656.76	188.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.96	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.84	
26 05 36 00-1459	EA		24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	795.25	222.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.98	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.76	
26 05 36 00-1460	EA		30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	877.44	244.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.36	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.87	
26 05 36 00-1461	EA		36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	976.91	272.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.85	
26 05 36 00-1462			Dropout Or End Plates And Reducers (26 05 36 00-0744)		
26 05 36 00-1463			Straight Reducers (26 05 36 00-1462)		
26 05 36 00-1464	EA		9"-6" Reducer, Aluminum Cable Tray.....	115.05	37.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1465 EA 12"-9" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add</i>	121.40 -8.74 6.07	40.78
26 05 36 00-1466 EA 18"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add</i>	133.06 -9.38 6.65	47.06
26 05 36 00-1467 EA 24"-18" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add</i>	146.49 -10.11 7.32	54.46
26 05 36 00-1468 EA 30"-24" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add</i>	158.98 -10.79 7.95	61.24
26 05 36 00-1469 EA 36"-30" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add</i>	177.02 -11.87 8.85	69.97
26 05 36 00-1470 Reducers <small>(26 05 36 00-1462)</small>		
26 05 36 00-1471 EA 18"-6" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add</i>	133.11 -9.38 6.66	47.11
26 05 36 00-1472 EA 24"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add</i>	146.62 -10.12 7.33	54.51
26 05 36 00-1473 EA 30"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add</i>	158.89 -10.79 7.94	61.19
26 05 36 00-1474 EA 30"-18" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add</i>	159.97 -10.90 8.00	61.14
26 05 36 00-1475 EA 36"-12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add</i>	175.85 -11.75 8.79	69.97
26 05 36 00-1476 EA 36"-18" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add</i>	180.09 -12.02 9.00	71.81
26 05 36 00-1477 EA 36"-24" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add</i>	186.23 -12.45 9.31	74.11
26 05 36 00-1478 Dropout Or End Plate <small>(26 05 36 00-1462)</small>		
26 05 36 00-1479 EA 6" Dropout Or End Plate, Aluminum Cable Tray	32.43	15.32
26 05 36 00-1480 EA 9" Dropout Or End Plate, Aluminum Cable Tray	36.52	17.50
26 05 36 00-1481 EA 12" Dropout Or End Plate, Aluminum Cable Tray	39.39	18.83
26 05 36 00-1482 EA 18" Dropout Or End Plate, Aluminum Cable Tray	47.84	22.25
26 05 36 00-1483 EA 24" Dropout Or End Plate, Aluminum Cable Tray	53.43	24.50
26 05 36 00-1484 EA 30" Dropout Or End Plate, Aluminum Cable Tray	60.35	27.20
26 05 36 00-1485 EA 36" Dropout Or End Plate, Aluminum Cable Tray	67.70	30.62
26 05 36 00-1486 Solid Bottom Cable Tray <small>(26 05 36 00-0001)</small> Note: 3-5/8" Height.		
26 05 36 00-1487 Solid Bottom Galvanized Steel Straight Tray Sections <small>(26 05 36 00-1486)</small>		
26 05 36 00-1488 LF 6" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	15.18 1.61	3.98
26 05 36 00-1489 LF 12" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.99 2.03	4.90
26 05 36 00-1490 LF 18" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	25.04 2.58	7.05
26 05 36 00-1491 LF 24" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.02 3.01	8.06
26 05 36 00-1492 LF 30" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.73 3.58	9.75
26 05 36 00-1493 LF 36" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.07 4.90	11.18
26 05 36 00-1494 Solid Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-1486)</small>		
26 05 36 00-1495 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1496 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	149.63 13.93	51.09
26 05 36 00-1497 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	192.06 16.83	71.86
26 05 36 00-1498 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	233.75 19.94	90.70
26 05 36 00-1499 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	286.36 24.38	111.41
26 05 36 00-1500 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	335.15 28.76	129.13
26 05 36 00-1501 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	377.04 32.53	144.18
26 05 36 00-1502 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1503 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	180.27	53.18
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.17	
26 05 36 00-1504 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	234.80	76.61
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.45	
26 05 36 00-1505 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	287.22	98.05
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.75	
26 05 36 00-1506 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	348.64	122.50
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.88	
26 05 36 00-1507 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	408.85	143.92
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.34	
26 05 36 00-1508 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	461.71	163.22
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.05	
26 05 36 00-1509 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1510 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	226.77	55.58
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.76	
26 05 36 00-1511 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	287.27	81.82
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.46	
26 05 36 00-1512 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	362.20	106.62
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.56	
26 05 36 00-1513 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	426.60	135.96
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.33	
26 05 36 00-1514 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	512.02	163.22
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.60	
26 05 36 00-1515 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	583.14	188.07
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	56.12	
26 05 36 00-1516 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1517 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	133.56	51.09
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	11.52	
26 05 36 00-1518 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	174.00	71.86
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	14.12	
26 05 36 00-1519 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	212.93	90.59
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	16.84	
26 05 36 00-1520 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	260.92	111.26
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.59	
26 05 36 00-1521 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	305.16	129.13
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.26	
26 05 36 00-1522 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	342.41	143.92
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.38	
26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1524 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	157.43	53.23
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	14.74	
26 05 36 00-1525 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	207.90	76.56
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.43	
26 05 36 00-1526 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	256.47	98.15
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.11	
26 05 36 00-1527 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	312.52	122.50
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.46	
26 05 36 00-1528 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	367.05	144.18
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.03	
26 05 36 00-1529 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	414.30	163.22
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.94	
26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1531 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	193.36	55.63
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	19.73	
26 05 36 00-1532 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	236.85	74.16
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.16	
26 05 36 00-1533 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	316.08	106.62
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.64	
26 05 36 00-1534 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	377.02	136.23
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	33.85	
26 05 36 00-1535 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	452.03	163.22
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.60	
26 05 36 00-1536 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	516.50	188.59
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.05	
26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1494)		
26 05 36 00-1538 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray.....	163.60	50.94
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	16.05	
26 05 36 00-1539 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray.....	202.38	71.86
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.38	
26 05 36 00-1540 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray.....	235.04	90.70
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.14	
26 05 36 00-1541 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray.....	283.78	111.41
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.99	
26 05 36 00-1542 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray.....	319.67	129.13
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1543 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	348.21 28.25	143.92
26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1545 EA 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	199.62 21.08	53.18
26 05 36 00-1546 EA 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	248.99 24.58	76.61
26 05 36 00-1547 EA 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	294.96 27.91	98.05
26 05 36 00-1548 EA 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	347.35 31.69	122.50
26 05 36 00-1549 EA 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	390.79 34.63	143.92
26 05 36 00-1550 EA 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	437.20 38.37	163.22
26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1552 EA 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	243.55 27.27	55.58
26 05 36 00-1553 EA 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	292.89 31.55	74.31
26 05 36 00-1554 EA 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	362.20 36.56	106.62
26 05 36 00-1555 EA 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	429.18 41.71	135.96
26 05 36 00-1556 EA 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	492.67 46.69	163.22
26 05 36 00-1557 EA 36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	553.46 51.67	188.07
26 05 36 00-1558 12" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1559 EA 6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	253.68 21.72	98.05
26 05 36 00-1560 EA 12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	301.88 24.90	122.28
26 05 36 00-1561 EA 18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	356.40 29.43	144.18
26 05 36 00-1562 EA 24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	422.28 34.14	175.17
26 05 36 00-1563 EA 30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	462.63 37.97	188.59
26 05 36 00-1564 EA 36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	541.22 44.09	222.53
26 05 36 00-1565 24" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1566 EA 6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	318.08 29.97	106.47
26 05 36 00-1567 EA 12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	390.48 35.91	135.96
26 05 36 00-1568 EA 18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	453.97 40.89	163.22
26 05 36 00-1569 EA 24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	586.67 53.97	204.15
26 05 36 00-1570 EA 30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	639.27 58.80	222.53
26 05 36 00-1571 EA 36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	744.36 66.25	272.44
26 05 36 00-1572 36" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1573 EA 6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	415.12 42.82	116.72
26 05 36 00-1574 EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	501.60 49.72	153.12
26 05 36 00-1575 EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	582.62 55.97	188.59
26 05 36 00-1576 EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	715.38 70.22	222.53
26 05 36 00-1577 EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	783.10 76.57	245.39
26 05 36 00-1578 EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	897.42 83.58	306.23
26 05 36 00-1579 12" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1580 EA 6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	311.73 30.42	98.05
26 05 36 00-1581 EA 12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	358.97 33.43	122.50
26 05 36 00-1582 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	384.03 34.94	135.96

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1583	EA		24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	412.72 37.92	143.92
26 05 36 00-1584	EA		30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	456.55 41.28	163.22
26 05 36 00-1585	EA		36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	505.21 44.35	188.59
26 05 36 00-1586			24" Radius Vertical Tees (26 05 36 00-1494)		
26 05 36 00-1587	EA		6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	396.78 41.77	106.47
26 05 36 00-1588	EA		12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	456.27 45.78	135.96
26 05 36 00-1589	EA		18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	496.44 48.95	153.12
26 05 36 00-1590	EA		24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	524.93 51.53	163.22
26 05 36 00-1591	EA		30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	591.65 57.32	188.59
26 05 36 00-1592	EA		36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	661.20 62.09	222.53
26 05 36 00-1593			36" Radius Vertical Tees (26 05 36 00-1494)		
26 05 36 00-1594	EA		6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	536.09 60.99	116.52
26 05 36 00-1595	EA		12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	603.53 65.01	153.12
26 05 36 00-1596	EA		18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	665.46 70.69	174.81
26 05 36 00-1597	EA		24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	701.31 73.77	188.59
26 05 36 00-1598	EA		30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	822.47 86.28	222.53
26 05 36 00-1599	EA		36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	885.00 91.99	244.58
26 05 36 00-1600			12" Radius Horizontal Crosses (26 05 36 00-1494)		
26 05 36 00-1601	EA		6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	312.52 26.46	122.50
26 05 36 00-1602	EA		12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	357.69 29.62	144.18
26 05 36 00-1603	EA		18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	429.36 35.27	174.81
26 05 36 00-1604	EA		24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	495.08 40.24	204.15
26 05 36 00-1605	EA		30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	580.53 46.31	244.58
26 05 36 00-1606	EA		36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	643.73 51.15	272.44
26 05 36 00-1607			24" Radius Horizontal Crosses (26 05 36 00-1494)		
26 05 36 00-1608	EA		6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	424.43 40.96	136.23
26 05 36 00-1609	EA		12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	492.67 46.69	163.22
26 05 36 00-1610	EA		18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	586.67 53.97	204.15
26 05 36 00-1611	EA		24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	725.04 67.86	245.39
26 05 36 00-1612	EA		30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	795.96 73.99	272.44
26 05 36 00-1613	EA		36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	871.62 79.71	306.23
26 05 36 00-1614			36" Radius Horizontal Crosses (26 05 36 00-1494)		
26 05 36 00-1615	EA		6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	577.72 61.14	153.12
26 05 36 00-1616	EA		12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	669.06 68.93	188.59
26 05 36 00-1617	EA		18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	796.00 78.50	245.39
26 05 36 00-1618	EA		24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	912.08 91.40	272.44
26 05 36 00-1619	EA		30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,007.08 100.02	306.23
26 05 36 00-1620	EA		36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,111.58 108.47	349.56
26 05 36 00-1621			Straight Reducers (26 05 36 00-1494)		
26 05 36 00-1622	EA		12"-6" Reducer, Solid Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	131.27 12.89	40.83



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1623	EA		18"-12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	141.42 13.52	46.14
26 05 36 00-1624	EA		24"-18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	155.70 14.49	53.18
26 05 36 00-1625	EA		30"-24" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	174.33 15.94	61.24
26 05 36 00-1626	EA		36"-30" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	188.05 16.89	67.94
26 05 36 00-1627			Reducers (26 05 36 00-1494)		
26 05 36 00-1628	EA		18"-6" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	141.47 13.52	46.19
26 05 36 00-1629	EA		24"-12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	154.59 14.31	53.28
26 05 36 00-1630	EA		30"-12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	171.66 15.55	61.19
26 05 36 00-1631	EA		30"-18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	172.87 15.74	61.14
26 05 36 00-1632	EA		36"-12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	186.76 16.69	67.94
26 05 36 00-1633	EA		36"-18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	188.05 16.89	67.94
26 05 36 00-1634	EA		36"-24" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	189.54 17.09	68.04
26 05 36 00-1635			Dropout Or End Plate (26 05 36 00-1494)		
26 05 36 00-1636	EA		6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	38.68	15.32
26 05 36 00-1637	EA		12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	47.51	18.68
26 05 36 00-1638	EA		18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	54.50	22.15
26 05 36 00-1639	EA		24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	61.54	24.50
26 05 36 00-1640	EA		30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	68.54	27.20
26 05 36 00-1641	EA		36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	75.88	30.62
26 05 36 00-1642			Solid Bottom Aluminum Straight Cable Tray Sections (26 05 36 00-1486)		
26 05 36 00-1643	LF		6" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	14.60 1.65	3.21
26 05 36 00-1644	LF		12" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.40 2.13	3.77
26 05 36 00-1645	LF		18" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.42 2.69	4.90
26 05 36 00-1646	LF		24" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.19 3.33	5.41
26 05 36 00-1647	LF		30" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.28 3.98	7.00
26 05 36 00-1648	LF		36" Solid Bottom Steel Aluminum Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.24 4.91	7.66
26 05 36 00-1649			Solid Bottom Aluminum Cable Tray Fittings (26 05 36 00-1486)		
26 05 36 00-1650			90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1649)		
26 05 36 00-1651	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	159.44 15.40	51.09
26 05 36 00-1652	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	190.83 17.90	64.30
26 05 36 00-1653	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	222.23 21.33	72.01
26 05 36 00-1654	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	258.28 24.64	84.57
26 05 36 00-1655	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	306.42 29.61	98.15
26 05 36 00-1656	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	345.99 33.33	111.41
26 05 36 00-1657			90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1649)		
26 05 36 00-1658	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	194.35 20.29	53.18
26 05 36 00-1659	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	238.94 24.49	68.14
26 05 36 00-1660	EA		18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	270.43 27.81	76.56
26 05 36 00-1661	EA		24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	327.69 34.04	90.70
26 05 36 00-1662	EA		30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	379.27 39.17	106.32
26 05 36 00-1663	EA		36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	436.40 45.05	122.50
26 05 36 00-1664			90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1649)		
26 05 36 00-1665	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	249.37 28.15	55.58

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1666 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	308.39	72.17
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.23	
26 05 36 00-1667 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	359.28	81.82
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.26	
26 05 36 00-1668 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	402.38	97.90
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.04	
26 05 36 00-1669 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	465.09	116.72
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.31	
26 05 36 00-1670 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	543.26	135.76
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	58.87	
26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1649)		
26 05 36 00-1672 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	143.15	51.09
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	12.95	
26 05 36 00-1673 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	172.44	64.30
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	15.14	
26 05 36 00-1674 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	199.63	71.96
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	17.95	
26 05 36 00-1675 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	232.16	84.42
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.76	
26 05 36 00-1676 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	274.99	98.15
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.89	
26 05 36 00-1677 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	310.19	111.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.01	
26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1649)		
26 05 36 00-1679 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	171.16	53.23
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	16.80	
26 05 36 00-1680 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	211.25	68.04
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.35	
26 05 36 00-1681 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	239.26	76.71
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.10	
26 05 36 00-1682 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	288.86	90.70
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.21	
26 05 36 00-1683 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	335.32	106.62
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.53	
26 05 36 00-1684 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	385.31	122.50
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.38	
26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1649)		
26 05 36 00-1686 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	215.01	55.63
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.98	
26 05 36 00-1687 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	266.78	72.01
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.01	
26 05 36 00-1688 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	310.23	81.82
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.90	
26 05 36 00-1689 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	350.17	98.15
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.17	
26 05 36 00-1690 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	405.56	116.72
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.38	
26 05 36 00-1691 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	474.32	136.23
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	48.44	
26 05 36 00-1692 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1649)		
26 05 36 00-1693 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	173.16	50.94
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	17.48	
26 05 36 00-1694 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	198.96	64.30
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	19.12	
26 05 36 00-1695 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	223.39	72.01
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	21.50	
26 05 36 00-1696 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	250.15	84.57
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.42	
26 05 36 00-1697 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	279.71	98.15
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	25.60	
26 05 36 00-1698 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	304.80	111.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.20	
26 05 36 00-1699 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1649)		
26 05 36 00-1700 EA 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	214.09	53.18
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.25	
26 05 36 00-1701 EA 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	249.39	68.14
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.06	
26 05 36 00-1702 EA 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	273.91	76.56
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.33	
26 05 36 00-1703 EA 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	310.27	90.70
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.42	
26 05 36 00-1704 EA 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	345.59	106.32
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.12	
26 05 36 00-1705 EA 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	389.95	122.50
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1706 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1649)		
26 05 36 00-1707 EA 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	257.50 29.37	55.58
26 05 36 00-1708 EA 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	306.06 33.88	72.17
26 05 36 00-1709 EA 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	338.38 37.13	81.82
26 05 36 00-1710 EA 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	373.35 39.69	97.90
26 05 36 00-1711 EA 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	426.76 44.56	116.72
26 05 36 00-1712 EA 36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	467.77 47.54	135.76
26 05 36 00-1713 12" Radius Horizontal Tees (26 05 36 00-1649)		
26 05 36 00-1714 EA 6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	278.34 25.41	98.05
26 05 36 00-1715 EA 12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	324.54 30.16	111.11
26 05 36 00-1716 EA 18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	360.92 33.72	122.50
26 05 36 00-1717 EA 24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	402.39 37.65	136.23
26 05 36 00-1718 EA 30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	474.12 43.91	163.22
26 05 36 00-1719 EA 36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	572.51 51.85	204.15
26 05 36 00-1720 24" Radius Horizontal Tees (26 05 36 00-1649)		
26 05 36 00-1721 EA 6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	366.75 37.27	106.47
26 05 36 00-1722 EA 12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	417.82 42.26	122.50
26 05 36 00-1723 EA 18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	468.17 47.56	135.96
26 05 36 00-1724 EA 24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	568.18 58.02	163.22
26 05 36 00-1725 EA 30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	677.03 67.53	204.15
26 05 36 00-1726 EA 36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	749.41 75.21	223.19
26 05 36 00-1727 36" Radius Horizontal Tees (26 05 36 00-1649)		
26 05 36 00-1728 EA 6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	502.25 55.89	116.72
26 05 36 00-1729 EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	563.40 61.85	135.96
26 05 36 00-1730 EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	644.22 71.11	153.12
26 05 36 00-1731 EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	766.40 83.61	188.07
26 05 36 00-1732 EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	908.31 95.35	245.39
26 05 36 00-1733 EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,011.49 106.32	272.44
26 05 36 00-1734 12" Radius Vertical Tees (26 05 36 00-1649)		
26 05 36 00-1735 EA 6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	327.11 32.73	98.05
26 05 36 00-1736 EA 12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	352.67 34.36	111.26
26 05 36 00-1737 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	368.40 35.84	116.52
26 05 36 00-1738 EA 24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	389.63 38.06	122.28
26 05 36 00-1739 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	428.69 41.64	135.96
26 05 36 00-1740 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	485.73 45.65	163.22
26 05 36 00-1741 24" Radius Vertical Tees (26 05 36 00-1649)		
26 05 36 00-1742 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	419.00 45.10	106.47
26 05 36 00-1743 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	459.63 48.53	122.50
26 05 36 00-1744 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	487.71 51.68	128.87
26 05 36 00-1745 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	522.75 55.75	135.96
26 05 36 00-1746 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	580.35 61.53	153.12

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1747 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	656.07 67.06	188.07
26 05 36 00-1748 36" Radius Vertical Tees (26 05 36 00-1649)		
26 05 36 00-1749 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	571.62 66.32	116.52
26 05 36 00-1750 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	618.68 70.42	134.33
26 05 36 00-1751 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	657.90 74.70	143.92
26 05 36 00-1752 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	684.86 77.21	153.12
26 05 36 00-1753 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	755.83 84.24	174.81
26 05 36 00-1754 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	422.02 26.21	222.53
26 05 36 00-1755 12" Radius Horizontal Crosses (26 05 36 00-1649)		
26 05 36 00-1756 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	331.77 31.22	111.26
26 05 36 00-1757 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	369.05 34.94	122.50
26 05 36 00-1758 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	427.97 40.21	143.92
26 05 36 00-1759 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	504.99 46.62	174.81
26 05 36 00-1760 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	555.04 51.91	188.07
26 05 36 00-1761 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	639.09 58.66	223.19
26 05 36 00-1762 24" Radius Horizontal Crosses (26 05 36 00-1649)		
26 05 36 00-1763 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	459.96 48.55	122.70
26 05 36 00-1764 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	522.75 55.75	135.96
26 05 36 00-1765 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	593.73 61.85	163.22
26 05 36 00-1766 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	730.20 75.41	204.71
26 05 36 00-1767 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	801.67 83.05	223.19
26 05 36 00-1768 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	901.17 89.77	272.44
26 05 36 00-1769 36" Radius Horizontal Crosses (26 05 36 00-1649)		
26 05 36 00-1770 EA 6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	662.11 76.65	135.96
26 05 36 00-1771 EA 12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	725.50 83.31	153.12
26 05 36 00-1772 EA 18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	836.84 94.10	188.59
26 05 36 00-1773 EA 24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	977.98 105.80	245.39
26 05 36 00-1774 EA 30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,069.55 115.02	272.44
26 05 36 00-1775 EA 36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,230.37 133.52	306.23
26 05 36 00-1776 Straight Reducers (26 05 36 00-1649)		
26 05 36 00-1777 EA 12"-6" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	130.37 13.72	35.01
26 05 36 00-1778 EA 18"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	142.27 14.55	40.78
26 05 36 00-1779 EA 24"-18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	155.88 15.69	46.14
26 05 36 00-1780 EA 30"-24" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	174.66 17.33	53.23
26 05 36 00-1781 EA 36"-30" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	192.49 18.68	61.14
26 05 36 00-1782 Reducers (26 05 36 00-1649)		
26 05 36 00-1783 EA 18"-6" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	141.14 14.37	40.78
26 05 36 00-1784 EA 24"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	154.86 15.52	46.24
26 05 36 00-1785 EA 30"-12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	172.28 16.98	53.18
26 05 36 00-1786 EA 30"-18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	173.38 17.15	53.18



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1787	EA		36"-12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	192.49 18.68	61.14
26 05 36 00-1788	EA		36"-18" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	193.65 18.86	61.14
26 05 36 00-1789	EA		36"-24" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	196.14 19.21	61.24
26 05 36 00-1790			Dropout Or End Plate <small>(26 05 36 00-1649)</small>		
26 05 36 00-1791	EA		6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	40.21	15.32
26 05 36 00-1792	EA		12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	47.74	18.68
26 05 36 00-1793	EA		18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	56.81	22.15
26 05 36 00-1794	EA		24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	62.72	24.50
26 05 36 00-1795	EA		30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	70.87	27.20
26 05 36 00-1796	EA		36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	80.65	30.62
26 05 36 00-1797			Vented Bottom Cable Tray <small>(26 05 36 00-0001)</small> Note: 6" Height.		
26 05 36 00-1798			Vented Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1799	LF		6" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	20.10 -1.56	5.36
26 05 36 00-1800	LF		12" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	23.80 -1.87	6.12
26 05 36 00-1801	LF		18" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	28.12 -2.22	7.05
26 05 36 00-1802	LF		24" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	32.28 -2.55	8.06
26 05 36 00-1803	LF		30" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	43.24 -3.51	9.75
26 05 36 00-1804	LF		36" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	50.62 -4.04	12.24
26 05 36 00-1805			Vented Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-1797)</small>		
26 05 36 00-1806			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1807	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	176.18 -12.24	64.51
26 05 36 00-1808	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	227.01 -15.43	87.28
26 05 36 00-1809	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	279.17 -18.64	111.26
26 05 36 00-1810	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	342.59 -22.91	136.23
26 05 36 00-1811	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	386.65 -25.88	153.42
26 05 36 00-1812	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	443.47 -29.75	175.17
26 05 36 00-1813			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1814	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	214.74 -15.81	67.99
26 05 36 00-1815	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	273.97 -19.54	94.27
26 05 36 00-1816	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	345.37 -24.33	122.50
26 05 36 00-1817	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	414.39 -28.68	153.12
26 05 36 00-1818	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	447.22 -31.54	158.16
26 05 36 00-1819	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	553.38 -38.33	204.15
26 05 36 00-1820			90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1821	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	271.30 -21.14	71.86
26 05 36 00-1822	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	343.68 -25.85	102.23
26 05 36 00-1823	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	435.02 -32.15	136.23
26 05 36 00-1824	EA		24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	510.86 -36.52	174.81
26 05 36 00-1825	EA		30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	586.76 -41.66	204.15
26 05 36 00-1826	EA		36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	682.39 -47.86	244.58
26 05 36 00-1827			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1828	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	161.15 -10.74	64.56
26 05 36 00-1829	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	209.08 -13.63	87.28

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1830	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	258.29	111.11
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.57	
26 05 36 00-1831	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	316.76	135.96
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-20.34	
26 05 36 00-1832	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	357.84	153.42
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.00	
26 05 36 00-1833	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray.....	409.48	174.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.38	
26 05 36 00-1834			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1835	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	192.53	68.04
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-13.58	
26 05 36 00-1836	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	248.27	94.27
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.97	
26 05 36 00-1837	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	314.63	122.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.24	
26 05 36 00-1838	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	379.36	153.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.18	
26 05 36 00-1839	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	435.18	175.17
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.92	
26 05 36 00-1840	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray.....	506.49	204.15
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.64	
26 05 36 00-1841			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1842	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	238.20	72.01
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.82	
26 05 36 00-1843	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	305.09	101.92
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.01	
26 05 36 00-1844	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	389.27	136.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.58	
26 05 36 00-1845	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	463.22	175.17
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.72	
26 05 36 00-1846	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	532.53	204.15
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.24	
26 05 36 00-1847	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray.....	623.26	245.39
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.88	
26 05 36 00-1848			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1849	EA		6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	195.80	64.30
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.22	
26 05 36 00-1850	EA		12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	244.35	87.28
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.16	
26 05 36 00-1851	EA		18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	285.59	111.26
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.29	
26 05 36 00-1852	EA		24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	341.30	136.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.78	
26 05 36 00-1853	EA		30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	372.53	153.42
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.47	
26 05 36 00-1854	EA		36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	414.57	174.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.89	
26 05 36 00-1855			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1856	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	240.42	67.99
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.38	
26 05 36 00-1857	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	291.94	94.27
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.34	
26 05 36 00-1858	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	353.08	122.50
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.10	
26 05 36 00-1859	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	409.25	153.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.17	
26 05 36 00-1860	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	464.64	174.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.90	
26 05 36 00-1861	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	521.28	204.15
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.12	
26 05 36 00-1862			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1863	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	291.84	71.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.19	
26 05 36 00-1864	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	352.67	102.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.75	
26 05 36 00-1865	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	429.89	136.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.64	
26 05 36 00-1866	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	508.29	174.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.26	
26 05 36 00-1867	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	562.36	204.15
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.22	
26 05 36 00-1868	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	654.15	244.58
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.03	
26 05 36 00-1869			12" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1870 EA 6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	308.14	122.50
For 4-5/8" Overall Height Instead Of 6", Deduct	-20.61	
26 05 36 00-1871 EA 12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	370.24	152.81
For 4-5/8" Overall Height Instead Of 6", Deduct	-24.29	
26 05 36 00-1872 EA 18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	422.93	175.17
For 4-5/8" Overall Height Instead Of 6", Deduct	-27.69	
26 05 36 00-1873 EA 24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	491.75	204.15
For 4-5/8" Overall Height Instead Of 6", Deduct	-32.16	
26 05 36 00-1874 EA 30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	544.24	222.53
For 4-5/8" Overall Height Instead Of 6", Deduct	-35.88	
26 05 36 00-1875 EA 36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	597.66	244.58
For 4-5/8" Overall Height Instead Of 6", Deduct	-39.38	
26 05 36 00-1876 24" Radius Horizontal Tees (26 05 36 00-1805)		
26 05 36 00-1877 EA 6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	398.66	135.96
For 4-5/8" Overall Height Instead Of 6", Deduct	-28.53	
26 05 36 00-1878 EA 12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	478.76	174.81
For 4-5/8" Overall Height Instead Of 6", Deduct	-33.31	
26 05 36 00-1879 EA 18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	549.53	204.15
For 4-5/8" Overall Height Instead Of 6", Deduct	-37.94	
26 05 36 00-1880 EA 24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	679.82	244.58
For 4-5/8" Overall Height Instead Of 6", Deduct	-47.60	
26 05 36 00-1881 EA 30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	749.36	272.44
For 4-5/8" Overall Height Instead Of 6", Deduct	-52.23	
26 05 36 00-1882 EA 36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	836.48	306.23
For 4-5/8" Overall Height Instead Of 6", Deduct	-58.13	
26 05 36 00-1883 36" Radius Horizontal Tees (26 05 36 00-1805)		
26 05 36 00-1884 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	501.69	153.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-37.41	
26 05 36 00-1885 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	621.42	204.15
For 4-5/8" Overall Height Instead Of 6", Deduct	-45.13	
26 05 36 00-1886 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	715.80	245.39
For 4-5/8" Overall Height Instead Of 6", Deduct	-51.13	
26 05 36 00-1887 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	880.13	306.23
For 4-5/8" Overall Height Instead Of 6", Deduct	-62.49	
26 05 36 00-1888 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	976.87	351.20
For 4-5/8" Overall Height Instead Of 6", Deduct	-68.42	
26 05 36 00-1889 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,140.88	407.23
For 4-5/8" Overall Height Instead Of 6", Deduct	-80.15	
26 05 36 00-1890 12" Radius Vertical Tees (26 05 36 00-1805)		
26 05 36 00-1891 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	377.47	122.50
For 4-5/8" Overall Height Instead Of 6", Deduct	-27.54	
26 05 36 00-1892 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	431.08	153.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-30.35	
26 05 36 00-1893 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	451.80	163.22
For 4-5/8" Overall Height Instead Of 6", Deduct	-31.58	
26 05 36 00-1894 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	481.33	174.81
For 4-5/8" Overall Height Instead Of 6", Deduct	-33.57	
26 05 36 00-1895 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	515.83	188.59
For 4-5/8" Overall Height Instead Of 6", Deduct	-35.87	
26 05 36 00-1896 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	576.33	222.53
For 4-5/8" Overall Height Instead Of 6", Deduct	-39.09	
26 05 36 00-1897 24" Radius Vertical Tees (26 05 36 00-1805)		
26 05 36 00-1898 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	459.01	135.96
For 4-5/8" Overall Height Instead Of 6", Deduct	-34.57	
26 05 36 00-1899 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	535.25	174.81
For 4-5/8" Overall Height Instead Of 6", Deduct	-38.96	
26 05 36 00-1900 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	569.75	188.59
For 4-5/8" Overall Height Instead Of 6", Deduct	-41.26	
26 05 36 00-1901 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	615.00	204.15
For 4-5/8" Overall Height Instead Of 6", Deduct	-44.49	
26 05 36 00-1902 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	659.78	222.53
For 4-5/8" Overall Height Instead Of 6", Deduct	-47.43	
26 05 36 00-1903 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	767.34	272.44
For 4-5/8" Overall Height Instead Of 6", Deduct	-54.03	
26 05 36 00-1904 36" Radius Vertical Tees (26 05 36 00-1805)		
26 05 36 00-1905 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	624.44	152.81
For 4-5/8" Overall Height Instead Of 6", Deduct	-49.71	
26 05 36 00-1906 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	718.99	204.15
For 4-5/8" Overall Height Instead Of 6", Deduct	-54.89	
26 05 36 00-1907 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	762.49	222.53
For 4-5/8" Overall Height Instead Of 6", Deduct	-57.70	
26 05 36 00-1908 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	826.21	245.39
For 4-5/8" Overall Height Instead Of 6", Deduct	-62.17	
26 05 36 00-1909 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	935.52	272.44
For 4-5/8" Overall Height Instead Of 6", Deduct	-70.85	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1910 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,070.49 -77.92	349.56
26 05 36 00-1911 12" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1912 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	388.71 -26.11	153.12
26 05 36 00-1913 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	426.78 -28.08	175.17
26 05 36 00-1914 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	490.47 -32.03	204.15
26 05 36 00-1915 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	565.56 -36.17	244.58
26 05 36 00-1916 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	629.63 -40.34	271.48
26 05 36 00-1917 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	709.38 -45.42	306.23
26 05 36 00-1918 24" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1919 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	501.25 -35.53	175.17
26 05 36 00-1920 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	559.80 -38.97	204.15
26 05 36 00-1921 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	649.01 -44.52	244.58
26 05 36 00-1922 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	817.22 -56.20	306.23
26 05 36 00-1923 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	921.56 -63.02	349.56
26 05 36 00-1924 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,038.18 -69.88	407.23
26 05 36 00-1925 36" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1926 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	693.32 -52.32	204.15
26 05 36 00-1927 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	779.99 -57.55	245.39
26 05 36 00-1928 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	889.11 -63.39	306.23
26 05 36 00-1929 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,138.09 -79.69	409.38
26 05 36 00-1930 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,318.62 -90.97	490.73
26 05 36 00-1931 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,559.98 -104.96	612.46
26 05 36 00-1932 Straight Reducers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1933 EA 12"-6" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	151.75 -10.83	52.16
26 05 36 00-1934 EA 18"-12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	164.50 -11.60	58.28
26 05 36 00-1935 EA 24"-18" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	185.12 -12.85	67.94
26 05 36 00-1936 EA 30"-24" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	202.05 -13.83	76.56
26 05 36 00-1937 EA 36"-30" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	220.12 -14.99	84.32
26 05 36 00-1938 Reducers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1939 EA 18"-6" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	164.50 -11.60	58.28
26 05 36 00-1940 EA 24"-12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	184.03 -12.73	68.04
26 05 36 00-1941 EA 30"-12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	200.64 -13.69	76.46
26 05 36 00-1942 EA 30"-18" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	201.80 -13.81	76.41
26 05 36 00-1943 EA 36"-12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	218.83 -14.86	84.32
26 05 36 00-1944 EA 36"-18" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	220.12 -14.99	84.32
26 05 36 00-1945 EA 36"-24" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	221.71 -15.13	84.52
26 05 36 00-1946 Dropout Or End Plate <small>(26 05 36 00-1805)</small>		
26 05 36 00-1947 EA 6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	46.85	18.83
26 05 36 00-1948 EA 12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	55.74	22.10
26 05 36 00-1949 EA 18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	61.39	24.40
26 05 36 00-1950 EA 24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	69.19	27.20
26 05 36 00-1951 EA 30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	76.53	30.57
26 05 36 00-1952 EA 36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	89.17	36.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1953 Vented Bottom Aluminum Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1954 LF 6" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	18.86 -1.55	3.98
26 05 36 00-1955 LF 9" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	20.98 -1.73	4.39
26 05 36 00-1956 LF 12" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	23.48 -1.94	4.90
26 05 36 00-1957 LF 18" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	27.48 -2.29	5.46
26 05 36 00-1958 LF 24" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	31.69 -2.66	6.07
26 05 36 00-1959 LF 30" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	40.67 -3.49	7.00
26 05 36 00-1960 LF 36" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	45.00 -3.82	8.22
26 05 36 00-1961 Vented Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1797)</small>		
26 05 36 00-1962 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1963 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	187.62 -13.39	64.51
26 05 36 00-1964 EA 9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	203.83 -14.55	70.02
26 05 36 00-1965 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	224.31 -15.86	78.86
26 05 36 00-1966 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	253.66 -18.08	87.38
26 05 36 00-1967 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	303.13 -21.43	106.62
26 05 36 00-1968 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	358.93 -25.67	122.70
26 05 36 00-1969 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	395.42 -28.19	136.23
26 05 36 00-1970 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1971 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	229.45 -17.28	67.99
26 05 36 00-1972 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	276.70 -20.63	84.52
26 05 36 00-1973 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	313.91 -23.53	94.27
26 05 36 00-1974 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	373.05 -27.59	116.52
26 05 36 00-1975 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	430.61 -31.75	135.76
26 05 36 00-1976 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	475.83 -34.82	153.12
26 05 36 00-1977 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1978 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	283.55 -22.36	71.86
26 05 36 00-1979 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	338.32 -26.26	90.80
26 05 36 00-1980 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	382.87 -29.77	102.23
26 05 36 00-1981 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	447.06 -33.97	128.87
26 05 36 00-1982 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	481.05 -37.70	124.89
26 05 36 00-1983 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	587.44 -44.18	174.81
26 05 36 00-1984 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1985 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	170.08 -11.63	64.56
26 05 36 00-1986 EA 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	184.77 -12.64	70.12
26 05 36 00-1987 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	203.87 -13.82	78.86
26 05 36 00-1988 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	229.73 -15.70	87.28
26 05 36 00-1989 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	275.29 -18.66	106.47
26 05 36 00-1990 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	324.95 -22.27	122.70
26 05 36 00-1991 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	357.97 -24.47	135.96
26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1993	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	204.00	68.04
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.73	
26 05 36 00-1994	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	246.81	84.52
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.64	
26 05 36 00-1995	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	279.61	94.42
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-20.09	
26 05 36 00-1996	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	334.00	116.72
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.67	
26 05 36 00-1997	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	386.46	136.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.29	
26 05 36 00-1998	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	427.29	153.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.97	
26 05 36 00-1999			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-2000	EA		6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	247.76	72.01
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.77	
26 05 36 00-2001	EA		12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	296.83	90.59
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.13	
26 05 36 00-2002	EA		18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	336.12	102.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.09	
26 05 36 00-2003	EA		24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	396.33	129.13
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.87	
26 05 36 00-2004	EA		30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	453.15	144.18
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.30	
26 05 36 00-2005	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	522.96	175.17
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.70	
26 05 36 00-2006			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2007	EA		6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	204.77	64.30
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-15.12	
26 05 36 00-2008	EA		9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	219.77	69.87
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.16	
26 05 36 00-2009	EA		12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	235.92	78.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.02	
26 05 36 00-2010	EA		18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	253.66	87.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.08	
26 05 36 00-2011	EA		24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	297.32	106.62
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-20.85	
26 05 36 00-2012	EA		30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	329.90	122.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.77	
26 05 36 00-2013	EA		36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	353.21	135.96
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.99	
26 05 36 00-2014			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2015	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	244.54	67.99
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.79	
26 05 36 00-2016	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	283.67	84.52
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.33	
26 05 36 00-2017	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	312.75	94.27
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.42	
26 05 36 00-2018	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	352.44	116.72
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.52	
26 05 36 00-2019	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	392.69	135.96
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.94	
26 05 36 00-2020	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	429.38	153.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.18	
26 05 36 00-2021			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2022	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	282.39	71.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.25	
26 05 36 00-2023	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	325.55	90.80
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.99	
26 05 36 00-2024	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	365.45	102.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.03	
26 05 36 00-2025	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	426.16	128.87
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.88	
26 05 36 00-2026	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	472.54	144.18
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.24	
26 05 36 00-2027	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	530.54	174.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.49	
26 05 36 00-2028			12" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2029	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	326.08	122.50
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.40	
26 05 36 00-2030	EA		9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	340.23	128.87
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.28	
26 05 36 00-2031	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	362.10	135.76
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.90	
26 05 36 00-2032	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	413.63	153.42
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2033	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	472.48	174.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.68	
26 05 36 00-2034	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	534.19	204.15
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.41	
26 05 36 00-2035	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	591.56	222.53
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.61	
26 05 36 00-2036 24" Radius Horizontal Tees (26 05 36 00-1961)					
26 05 36 00-2037	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	412.43	135.96
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.91	
26 05 36 00-2038	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	466.04	152.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.87	
26 05 36 00-2039	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	523.57	174.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.79	
26 05 36 00-2040	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	629.67	203.59
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.00	
26 05 36 00-2041	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	722.50	245.39
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.80	
26 05 36 00-2042	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	819.88	272.44
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.28	
26 05 36 00-2043 36" Radius Horizontal Tees (26 05 36 00-1961)					
26 05 36 00-2044	EA		6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	553.64	153.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.60	
26 05 36 00-2045	EA		12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	633.89	174.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.82	
26 05 36 00-2046	EA		18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	673.20	170.52
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.11	
26 05 36 00-2047	EA		24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	860.55	244.58
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.67	
26 05 36 00-2048	EA		30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	994.36	307.46
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.81	
26 05 36 00-2049	EA		36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,140.04	349.56
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-84.87	
26 05 36 00-2050 12" Radius Vertical Tees (26 05 36 00-1961)					
26 05 36 00-2051	EA		6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	371.37	122.50
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.93	
26 05 36 00-2052	EA		9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	383.19	128.87
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.58	
26 05 36 00-2053	EA		12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	407.79	135.96
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.45	
26 05 36 00-2054	EA		18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	422.61	144.18
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.25	
26 05 36 00-2055	EA		24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	441.65	152.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.43	
26 05 36 00-2056	EA		30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	467.15	163.22
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.11	
26 05 36 00-2057	EA		36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	516.72	188.07
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.00	
26 05 36 00-2058 24" Radius Vertical Tees (26 05 36 00-1961)					
26 05 36 00-2059	EA		6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	463.53	135.96
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.02	
26 05 36 00-2060	EA		12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	510.17	152.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.28	
26 05 36 00-2061	EA		18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	544.96	163.22
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.89	
26 05 36 00-2062	EA		24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	581.64	174.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.60	
26 05 36 00-2063	EA		30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	627.04	188.07
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.03	
26 05 36 00-2064	EA		36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	691.35	223.19
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.54	
26 05 36 00-2065 36" Radius Vertical Tees (26 05 36 00-1961)					
26 05 36 00-2066	EA		6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	620.49	152.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.31	
26 05 36 00-2067	EA		12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	680.35	174.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.47	
26 05 36 00-2068	EA		18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	714.14	188.07
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.74	
26 05 36 00-2069	EA		24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	770.84	204.71
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.03	
26 05 36 00-2070	EA		30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	836.51	223.19
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.05	
26 05 36 00-2071	EA		36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	940.19	271.48
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.40	
26 05 36 00-2072 12" Radius Horizontal Crosses (26 05 36 00-1961)					

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-2073	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	378.76	135.96
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.54	
26 05 36 00-2074	EA	9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	402.87	144.18
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.27	
26 05 36 00-2075	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	422.92	153.42
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.51	
26 05 36 00-2076	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	466.67	174.81
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.10	
26 05 36 00-2077	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	534.44	203.59
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.48	
26 05 36 00-2078	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	606.74	221.92
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.18	
26 05 36 00-2079	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	739.75	272.44
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.27	
26 05 36 00-2080		24" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2081	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	528.60	153.42
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.08	
26 05 36 00-2082	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	589.77	174.81
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.41	
26 05 36 00-2083	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	661.02	203.59
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.13	
26 05 36 00-2084	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	779.26	244.58
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.54	
26 05 36 00-2085	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	853.10	271.48
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-62.69	
26 05 36 00-2086	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,035.53	349.56
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-74.42	
26 05 36 00-2087		36" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2088	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	738.41	174.81
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.28	
26 05 36 00-2089	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	817.29	204.71
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.67	
26 05 36 00-2090	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	924.42	244.58
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-72.06	
26 05 36 00-2091	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,110.48	307.46
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-85.43	
26 05 36 00-2092	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,235.61	351.20
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-94.30	
26 05 36 00-2093	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,433.53	407.23
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-109.42	
26 05 36 00-2094		Straight Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2095	EA	9"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	142.41	40.83
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-10.84	
26 05 36 00-2096	EA	12"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	149.49	43.03
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-11.37	
26 05 36 00-2097	EA	18"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	168.62	50.99
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-12.61	
26 05 36 00-2098	EA	24"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	186.45	58.23
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-13.79	
26 05 36 00-2099	EA	30"-24" Reducer, Vented Bottom, Aluminum Cable Tray.....	205.16	68.04
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.85	
26 05 36 00-2100	EA	36"-30" Reducer, Vented Bottom, Aluminum Cable Tray.....	222.56	76.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-15.89	
26 05 36 00-2101		Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2102	EA	12"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	149.37	42.93
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-11.36	
26 05 36 00-2103	EA	18"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	168.56	50.99
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-12.61	
26 05 36 00-2104	EA	18"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	168.56	50.99
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-12.61	
26 05 36 00-2105	EA	24"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	186.52	58.28
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-13.80	
26 05 36 00-2106	EA	24"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	186.52	58.28
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-13.80	
26 05 36 00-2107	EA	24"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	186.67	58.33
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-13.80	
26 05 36 00-2108	EA	30"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	207.38	67.99
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-15.07	
26 05 36 00-2109	EA	30"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	204.96	67.94
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.84	
26 05 36 00-2110	EA	36"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	222.56	76.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-15.89	
26 05 36 00-2111	EA	36"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	222.56	76.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-15.89	
26 05 36 00-2112	EA	36"-24" Reducer, Vented Bottom, Aluminum Cable Tray.....	222.81	76.56
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-15.90	
26 05 36 00-2113		Dropout Or End Plate <small>(26 05 36 00-1961)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2114 EA 6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	46.59	18.83
26 05 36 00-2115 EA 9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	50.85	20.56
26 05 36 00-2116 EA 12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	54.80	22.10
26 05 36 00-2117 EA 18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	62.32	24.40
26 05 36 00-2118 EA 24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	71.50	27.20
26 05 36 00-2119 EA 30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	78.85	30.57
26 05 36 00-2120 EA 36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	90.27	35.01
26 05 36 00-2121 Covers And Dividers (26 05 36 00-0001)		
26 05 36 00-2122 Galvanized Steel Covers (26 05 36 00-2121)		
26 05 36 00-2123 Ventilated Straight Sections (26 05 36 00-2122)		
26 05 36 00-2124 LF 6" Steel Cable Tray Cover, Straight Section	5.60	0.92
26 05 36 00-2125 LF 9" Steel Cable Tray Cover, Straight Section	6.80	1.07
26 05 36 00-2126 LF 12" Steel Cable Tray Cover, Straight Section	8.01	1.22
26 05 36 00-2127 LF 18" Steel Cable Tray Cover, Straight Section	10.87	1.64
26 05 36 00-2128 LF 24" Steel Cable Tray Cover, Straight Section	13.69	2.20
26 05 36 00-2129 LF 30" Steel Cable Tray Cover, Straight Section	16.60	2.71
26 05 36 00-2130 LF 36" Steel Cable Tray Cover, Straight Section	64.94	30.67
26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2122)		
26 05 36 00-2132 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	35.63	3.26
26 05 36 00-2133 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	39.76	3.82
26 05 36 00-2134 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	42.85	4.55
26 05 36 00-2135 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	58.49	5.82
26 05 36 00-2136 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	71.42	7.40
26 05 36 00-2137 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	86.83	8.22
26 05 36 00-2138 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	104.93	9.80
26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2122)		
26 05 36 00-2140 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	56.09	3.62
26 05 36 00-2141 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	58.40	4.24
26 05 36 00-2142 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	65.66	5.11
26 05 36 00-2143 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	81.38	6.48
26 05 36 00-2144 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	99.65	8.17
26 05 36 00-2145 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	128.68	9.39
26 05 36 00-2146 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	149.53	11.13
26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2122)		
26 05 36 00-2148 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	79.95	4.08
26 05 36 00-2149 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	88.74	4.70
26 05 36 00-2150 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	95.74	5.82
26 05 36 00-2151 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	121.75	6.78
26 05 36 00-2152 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	146.66	9.44
26 05 36 00-2153 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	173.10	10.67
26 05 36 00-2154 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	202.69	12.24
26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2122)		
26 05 36 00-2156 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	26.91	3.26
For 60 Degree Bend, Deduct	-7.62	
For 30 Degree Bend, Deduct	-12.89	
26 05 36 00-2157 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	32.06	3.82
For 60 Degree Bend, Deduct	-9.11	
For 30 Degree Bend, Deduct	-15.40	
26 05 36 00-2158 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	35.78	4.55
For 60 Degree Bend, Deduct	-10.07	
For 30 Degree Bend, Deduct	-17.04	
26 05 36 00-2159 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	43.29	5.56
For 60 Degree Bend, Deduct	-12.15	
For 30 Degree Bend, Deduct	-20.57	
26 05 36 00-2160 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	50.56	6.43
For 60 Degree Bend, Deduct	-14.21	
For 30 Degree Bend, Deduct	-24.04	
26 05 36 00-2161 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	59.23	7.40
For 60 Degree Bend, Deduct	-16.70	
For 30 Degree Bend, Deduct	-28.25	
26 05 36 00-2162 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	66.25	8.17
For 60 Degree Bend, Deduct	-18.73	
For 30 Degree Bend, Deduct	-31.67	
26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2122)		
26 05 36 00-2164 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	37.47	3.62
For 60 Degree Bend, Deduct	-10.98	
For 30 Degree Bend, Deduct	-18.50	
26 05 36 00-2165 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	42.36	4.24
For 60 Degree Bend, Deduct	-12.36	
For 30 Degree Bend, Deduct	-20.83	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2166	EA		12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	48.33	5.11
			<i>For 60 Degree Bend, Deduct</i>	-13.99	
			<i>For 30 Degree Bend, Deduct</i>	-23.60	
26 05 36 00-2167	EA		18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	55.81	6.12
			<i>For 60 Degree Bend, Deduct</i>	-16.06	
			<i>For 30 Degree Bend, Deduct</i>	-27.12	
26 05 36 00-2168	EA		24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	64.33	7.00
			<i>For 60 Degree Bend, Deduct</i>	-18.54	
			<i>For 30 Degree Bend, Deduct</i>	-31.29	
26 05 36 00-2169	EA		30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	80.40	8.17
			<i>For 60 Degree Bend, Deduct</i>	-23.39	
			<i>For 30 Degree Bend, Deduct</i>	-39.45	
26 05 36 00-2170	EA		36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	88.90	9.44
			<i>For 60 Degree Bend, Deduct</i>	-25.72	
			<i>For 30 Degree Bend, Deduct</i>	-43.39	
26 05 36 00-2171			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2172	EA		6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	52.36	4.08
			<i>For 60 Degree Bend, Deduct</i>	-15.72	
			<i>For 30 Degree Bend, Deduct</i>	-26.43	
26 05 36 00-2173	EA		9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	59.21	4.70
			<i>For 60 Degree Bend, Deduct</i>	-17.73	
			<i>For 30 Degree Bend, Deduct</i>	-29.81	
26 05 36 00-2174	EA		12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	66.18	5.82
			<i>For 60 Degree Bend, Deduct</i>	-19.61	
			<i>For 30 Degree Bend, Deduct</i>	-33.01	
26 05 36 00-2175	EA		18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	75.61	6.48
			<i>For 60 Degree Bend, Deduct</i>	-22.47	
			<i>For 30 Degree Bend, Deduct</i>	-37.81	
26 05 36 00-2176	EA		24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	92.15	7.91
			<i>For 60 Degree Bend, Deduct</i>	-27.38	
			<i>For 30 Degree Bend, Deduct</i>	-46.07	
26 05 36 00-2177	EA		30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	101.74	9.44
			<i>For 60 Degree Bend, Deduct</i>	-29.96	
			<i>For 30 Degree Bend, Deduct</i>	-50.46	
26 05 36 00-2178	EA		36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	121.01	10.21
			<i>For 60 Degree Bend, Deduct</i>	-36.02	
			<i>For 30 Degree Bend, Deduct</i>	-60.60	
26 05 36 00-2179			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2180	EA		6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	30.61	3.26
26 05 36 00-2181	EA		9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	32.06	3.82
26 05 36 00-2182	EA		12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	35.14	4.55
26 05 36 00-2183	EA		18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	40.73	5.56
26 05 36 00-2184	EA		24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	44.10	7.20
26 05 36 00-2185	EA		30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	48.96	8.22
26 05 36 00-2186	EA		36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	61.90	9.80
26 05 36 00-2187			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2188	EA		6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	36.83	3.62
26 05 36 00-2189	EA		9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	41.07	4.24
26 05 36 00-2190	EA		12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	43.84	5.11
26 05 36 00-2191	EA		18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	57.07	6.12
26 05 36 00-2192	EA		24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	65.81	7.91
26 05 36 00-2193	EA		30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	75.41	9.44
26 05 36 00-2194	EA		36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	86.62	11.13
26 05 36 00-2195			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2196	EA		6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	42.72	4.08
26 05 36 00-2197	EA		9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	53.44	4.70
26 05 36 00-2198	EA		12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	61.07	5.82
26 05 36 00-2199	EA		18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	75.61	6.48
26 05 36 00-2200	EA		24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	86.98	9.03
26 05 36 00-2201	EA		30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	103.78	10.67
26 05 36 00-2202	EA		36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	121.80	12.24
26 05 36 00-2203			12" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2204	EA		6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	54.46	5.31
26 05 36 00-2205	EA		9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	57.07	6.12
26 05 36 00-2206	EA		12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	64.61	7.20
26 05 36 00-2207	EA		18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	77.83	8.17
26 05 36 00-2208	EA		24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	96.60	9.44
26 05 36 00-2209	EA		30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	117.64	13.58
26 05 36 00-2210	EA		36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	141.42	16.28
26 05 36 00-2211			24" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2212	EA		6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	81.18	5.56
26 05 36 00-2213	EA		9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	92.95	6.48
26 05 36 00-2214	EA		12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	97.48	7.66



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2215	EA		18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	123.72	8.78
26 05 36 00-2216	EA		24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	183.87	10.21
26 05 36 00-2217	EA		30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	215.55	15.32
26 05 36 00-2218	EA		36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	240.65	18.83
26 05 36 00-2219			36" Radius Horizontal Tees (26 05 36 00-2122)		
26 05 36 00-2220	EA		6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	139.37	5.82
26 05 36 00-2221	EA		9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	143.57	6.78
26 05 36 00-2222	EA		12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	159.99	8.17
26 05 36 00-2223	EA		18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	187.78	9.44
26 05 36 00-2224	EA		24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	244.54	11.13
26 05 36 00-2225	EA		30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	274.45	17.55
26 05 36 00-2226	EA		36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	315.59	22.20
26 05 36 00-2227			12" Radius Horizontal Crosses (26 05 36 00-2122)		
26 05 36 00-2228	EA		6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	80.03	7.20
26 05 36 00-2229	EA		9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	84.66	7.66
26 05 36 00-2230	EA		12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	93.88	8.17
26 05 36 00-2231	EA		18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	110.72	9.44
26 05 36 00-2232	EA		24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	138.17	13.58
26 05 36 00-2233	EA		30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	159.37	16.28
26 05 36 00-2234	EA		36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	183.21	17.50
26 05 36 00-2235			24" Radius Horizontal Crosses (26 05 36 00-2122)		
26 05 36 00-2236	EA		6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	142.45	7.66
26 05 36 00-2237	EA		9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	154.85	8.17
26 05 36 00-2238	EA		12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	166.08	8.78
26 05 36 00-2239	EA		18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	197.99	10.21
26 05 36 00-2240	EA		24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	246.34	15.32
26 05 36 00-2241	EA		30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	280.41	18.83
26 05 36 00-2242	EA		36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	313.83	20.36
26 05 36 00-2243			36" Radius Horizontal Crosses (26 05 36 00-2122)		
26 05 36 00-2244	EA		6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	230.60	8.17
26 05 36 00-2245	EA		9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	239.26	8.78
26 05 36 00-2246	EA		12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	251.98	9.44
26 05 36 00-2247	EA		18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	290.75	11.13
26 05 36 00-2248	EA		24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	375.86	17.50
26 05 36 00-2249	EA		30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	409.48	22.30
26 05 36 00-2250	EA		36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	438.82	24.50
26 05 36 00-2251			Reducers (26 05 36 00-2122)		
26 05 36 00-2252	EA		9"-6" Reducer, Steel Cable Tray Covers.....	35.27	3.82
26 05 36 00-2253	EA		12"-6" Reducer, Steel Cable Tray Covers.....	37.73	4.55
26 05 36 00-2254	EA		12"-9" Reducer, Steel Cable Tray Covers.....	37.73	4.55
26 05 36 00-2255	EA		18"-6" Reducer, Steel Cable Tray Covers.....	41.38	5.56
26 05 36 00-2256	EA		18"-12" Reducer, Steel Cable Tray Covers.....	41.38	5.56
26 05 36 00-2257	EA		24"-12" Reducer, Steel Cable Tray Covers.....	51.29	6.12
26 05 36 00-2258	EA		24"-18" Reducer, Steel Cable Tray Covers.....	55.14	6.12
26 05 36 00-2259	EA		30"-12" Reducer, Steel Cable Tray Covers.....	52.75	7.00
26 05 36 00-2260	EA		30"-18" Reducer, Steel Cable Tray Covers.....	56.60	7.00
26 05 36 00-2261	EA		30"-24" Reducer, Steel Cable Tray Covers.....	59.17	7.00
26 05 36 00-2262	EA		36"-12" Reducer, Steel Cable Tray Covers.....	61.53	7.66
26 05 36 00-2263	EA		36"-18" Reducer, Steel Cable Tray Covers.....	62.81	7.66
26 05 36 00-2264	EA		36"-24" Reducer, Steel Cable Tray Covers.....	64.09	7.66
26 05 36 00-2265	EA		36"-30" Reducer, Steel Cable Tray Covers.....	64.74	7.66
26 05 36 00-2266			Aluminum Covers (26 05 36 00-2121)		
26 05 36 00-2267			Ventilated Straight Sections (26 05 36 00-2266)		
26 05 36 00-2268	LF		6" Aluminum Cable Tray Cover, Straight Section.....	5.10	0.92
26 05 36 00-2269	LF		9" Aluminum Cable Tray Cover, Straight Section.....	6.09	1.07
26 05 36 00-2270	LF		12" Aluminum Cable Tray Cover, Straight Section.....	7.15	1.22
26 05 36 00-2271	LF		18" Aluminum Cable Tray Cover, Straight Section.....	9.51	1.64
26 05 36 00-2272	LF		24" Aluminum Cable Tray Cover, Straight Section.....	12.22	2.20
26 05 36 00-2273	LF		30" Aluminum Cable Tray Cover, Straight Section.....	13.88	2.71
26 05 36 00-2274	LF		36" Aluminum Cable Tray Cover, Straight Section.....	61.07	30.67
26 05 36 00-2275			90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2276	EA		6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	32.17	3.26
26 05 36 00-2277	EA		9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	34.25	3.82
26 05 36 00-2278	EA		12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	37.73	4.55
26 05 36 00-2279	EA		18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	49.18	5.82
26 05 36 00-2280	EA		24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	62.29	7.40
26 05 36 00-2281	EA		30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	73.46	8.22
26 05 36 00-2282	EA		36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	89.51	9.80

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2283			90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2284	EA		6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	42.60	3.62
26 05 36 00-2285	EA		9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	52.34	4.24
26 05 36 00-2286	EA		12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	58.46	5.11
26 05 36 00-2287	EA		18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	69.99	6.48
26 05 36 00-2288	EA		24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	86.79	8.17
26 05 36 00-2289	EA		30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	105.12	9.39
26 05 36 00-2290	EA		36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	128.90	11.13
26 05 36 00-2291			90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2292	EA		6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	69.48	4.08
26 05 36 00-2293	EA		9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	76.37	4.70
26 05 36 00-2294	EA		12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	87.53	5.82
26 05 36 00-2295	EA		18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	104.24	6.78
26 05 36 00-2296	EA		24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	128.35	9.44
26 05 36 00-2297	EA		30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	147.82	10.67
26 05 36 00-2298	EA		36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	172.51	12.24
26 05 36 00-2299			45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2300	EA		6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	25.21	3.26
			For 60 Degree Bend, Deduct	-7.06	
			For 30 Degree Bend, Deduct	-11.95	
26 05 36 00-2301	EA		9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	26.70	3.82
			For 60 Degree Bend, Deduct	-7.34	
			For 30 Degree Bend, Deduct	-12.45	
26 05 36 00-2302	EA		12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	30.30	4.55
			For 60 Degree Bend, Deduct	-8.26	
			For 30 Degree Bend, Deduct	-14.03	
26 05 36 00-2303	EA		18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	35.40	5.56
			For 60 Degree Bend, Deduct	-9.55	
			For 30 Degree Bend, Deduct	-16.23	
26 05 36 00-2304	EA		24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	39.79	6.43
			For 60 Degree Bend, Deduct	-10.66	
			For 30 Degree Bend, Deduct	-18.12	
26 05 36 00-2305	EA		30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	48.95	7.40
			For 60 Degree Bend, Deduct	-13.31	
			For 30 Degree Bend, Deduct	-22.59	
26 05 36 00-2306	EA		36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	57.74	8.17
			For 60 Degree Bend, Deduct	-15.92	
			For 30 Degree Bend, Deduct	-26.99	
26 05 36 00-2307			45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2308	EA		6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	28.96	3.62
			For 60 Degree Bend, Deduct	-8.17	
			For 30 Degree Bend, Deduct	-13.82	
26 05 36 00-2309	EA		9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	36.08	4.24
			For 60 Degree Bend, Deduct	-10.28	
			For 30 Degree Bend, Deduct	-17.38	
26 05 36 00-2310	EA		12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	38.72	5.11
			For 60 Degree Bend, Deduct	-10.82	
			For 30 Degree Bend, Deduct	-18.31	
26 05 36 00-2311	EA		18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	46.81	6.12
			For 60 Degree Bend, Deduct	-13.09	
			For 30 Degree Bend, Deduct	-22.17	
26 05 36 00-2312	EA		24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	56.98	7.00
			For 60 Degree Bend, Deduct	-16.11	
			For 30 Degree Bend, Deduct	-27.25	
26 05 36 00-2313	EA		30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	65.90	8.17
			For 60 Degree Bend, Deduct	-18.61	
			For 30 Degree Bend, Deduct	-31.47	
26 05 36 00-2314	EA		36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	76.11	9.44
			For 60 Degree Bend, Deduct	-21.50	
			For 30 Degree Bend, Deduct	-36.36	
26 05 36 00-2315			45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2316	EA		6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	46.26	4.08
			For 60 Degree Bend, Deduct	-13.71	
			For 30 Degree Bend, Deduct	-23.07	
26 05 36 00-2317	EA		9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	50.83	4.70
			For 60 Degree Bend, Deduct	-14.97	
			For 30 Degree Bend, Deduct	-25.21	
26 05 36 00-2318	EA		12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	54.98	5.82
			For 60 Degree Bend, Deduct	-15.91	
			For 30 Degree Bend, Deduct	-26.85	
26 05 36 00-2319	EA		18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	65.36	6.48
			For 60 Degree Bend, Deduct	-19.09	
			For 30 Degree Bend, Deduct	-32.18	
26 05 36 00-2320	EA		24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	79.38	7.91
			For 60 Degree Bend, Deduct	-23.16	
			For 30 Degree Bend, Deduct	-39.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2321 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	91.20 -26.48 -44.66	9.44
26 05 36 00-2322 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	102.95 -30.06 -50.67	10.21
26 05 36 00-2323 90 Degree, 12" Radius Vertical Risers (26 05 36 00-2266)		
26 05 36 00-2324 EA 6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	28.21	3.26
26 05 36 00-2325 EA 9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	29.32	3.82
26 05 36 00-2326 EA 12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	32.51	4.55
26 05 36 00-2327 EA 18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	38.31	5.56
26 05 36 00-2328 EA 24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	42.19	7.20
26 05 36 00-2329 EA 30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	44.42	8.22
26 05 36 00-2330 EA 36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	53.48	9.80
26 05 36 00-2331 90 Degree, 24" Radius Vertical Risers (26 05 36 00-2266)		
26 05 36 00-2332 EA 6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	32.15	3.62
26 05 36 00-2333 EA 9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	35.50	4.24
26 05 36 00-2334 EA 12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	39.30	5.11
26 05 36 00-2335 EA 18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	47.37	6.12
26 05 36 00-2336 EA 24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	53.81	7.91
26 05 36 00-2337 EA 30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	67.97	9.44
26 05 36 00-2338 EA 36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	75.48	11.13
26 05 36 00-2339 90 Degree, 36" Radius Vertical Risers (26 05 36 00-2266)		
26 05 36 00-2340 EA 6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	36.96	4.08
26 05 36 00-2341 EA 9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	45.02	4.70
26 05 36 00-2342 EA 12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	52.69	5.82
26 05 36 00-2343 EA 18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	63.04	6.48
26 05 36 00-2344 EA 24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	76.63	9.03
26 05 36 00-2345 EA 30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	95.57	10.67
26 05 36 00-2346 EA 36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	103.99	12.24
26 05 36 00-2347 12" Radius Horizontal Tees (26 05 36 00-2266)		
26 05 36 00-2348 EA 6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	46.04	5.31
26 05 36 00-2349 EA 9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	49.69	6.12
26 05 36 00-2350 EA 12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	56.10	7.20
26 05 36 00-2351 EA 18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	65.90	8.17
26 05 36 00-2352 EA 24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	81.91	9.44
26 05 36 00-2353 EA 30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	100.45	13.58
26 05 36 00-2354 EA 36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	121.22	16.28
26 05 36 00-2355 24" Radius Horizontal Tees (26 05 36 00-2266)		
26 05 36 00-2356 EA 6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	69.67	5.56
26 05 36 00-2357 EA 9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	78.13	6.48
26 05 36 00-2358 EA 12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	88.23	7.66
26 05 36 00-2359 EA 18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	102.85	8.78
26 05 36 00-2360 EA 24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	157.48	10.21
26 05 36 00-2361 EA 30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	181.15	15.32
26 05 36 00-2362 EA 36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	204.41	18.83
26 05 36 00-2363 36" Radius Horizontal Tees (26 05 36 00-2266)		
26 05 36 00-2364 EA 6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	120.02	5.82
26 05 36 00-2365 EA 9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	123.97	6.78
26 05 36 00-2366 EA 12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	137.89	8.17
26 05 36 00-2367 EA 18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	156.26	9.44
26 05 36 00-2368 EA 24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	197.42	11.13
26 05 36 00-2369 EA 30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	230.14	17.55
26 05 36 00-2370 EA 36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	263.45	22.20
26 05 36 00-2371 12" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2372 EA 6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	68.89	7.20
26 05 36 00-2373 EA 9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	73.15	7.66
26 05 36 00-2374 EA 12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	80.99	8.17
26 05 36 00-2375 EA 18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	97.01	9.44
26 05 36 00-2376 EA 24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	116.68	13.58
26 05 36 00-2377 EA 30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	138.61	16.28
26 05 36 00-2378 EA 36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	158.05	17.50
26 05 36 00-2379 24" Radius Horizontal Crosses (26 05 36 00-2266)		
26 05 36 00-2380 EA 6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	124.26	7.66
26 05 36 00-2381 EA 9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	133.24	8.17
26 05 36 00-2382 EA 12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	143.49	8.78
26 05 36 00-2383 EA 18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	166.77	10.21

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2384	EA		24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	204.36	15.32
26 05 36 00-2385	EA		30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	240.38	18.83
26 05 36 00-2386	EA		36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	260.40	20.36
26 05 36 00-2387			36" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
26 05 36 00-2388	EA		6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	192.47	8.17
26 05 36 00-2389	EA		9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	201.55	8.78
26 05 36 00-2390	EA		12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	216.65	9.44
26 05 36 00-2391	EA		18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	239.22	11.13
26 05 36 00-2392	EA		24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	302.12	17.50
26 05 36 00-2393	EA		30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	350.71	22.30
26 05 36 00-2394	EA		36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	383.40	24.50
26 05 36 00-2395			Reducers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2396	EA		9"-6" Reducer, Aluminum Cable Tray Covers.....	34.83	3.82
26 05 36 00-2397	EA		12"-6" Reducer, Aluminum Cable Tray Covers.....	37.17	4.55
26 05 36 00-2398	EA		12"-9" Reducer, Aluminum Cable Tray Covers.....	37.17	4.55
26 05 36 00-2399	EA		18"-6" Reducer, Aluminum Cable Tray Covers.....	41.79	5.56
26 05 36 00-2400	EA		18"-12" Reducer, Aluminum Cable Tray Covers.....	41.79	5.56
26 05 36 00-2401	EA		24"-12" Reducer, Aluminum Cable Tray Covers.....	46.21	6.12
26 05 36 00-2402	EA		24"-18" Reducer, Aluminum Cable Tray Covers.....	50.83	6.12
26 05 36 00-2403	EA		30"-12" Reducer, Aluminum Cable Tray Covers.....	53.48	7.00
26 05 36 00-2404	EA		30"-18" Reducer, Aluminum Cable Tray Covers.....	55.21	7.00
26 05 36 00-2405	EA		30"-24" Reducer, Aluminum Cable Tray Covers.....	56.40	7.00
26 05 36 00-2406	EA		36"-12" Reducer, Aluminum Cable Tray Covers.....	59.19	7.66
26 05 36 00-2407	EA		36"-18" Reducer, Aluminum Cable Tray Covers.....	60.35	7.66
26 05 36 00-2408	EA		36"-24" Reducer, Aluminum Cable Tray Covers.....	60.93	7.66
26 05 36 00-2409	EA		36"-30" Reducer, Aluminum Cable Tray Covers.....	61.51	7.66
26 05 36 00-2410			Galvanized Steel Dividers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2411			Straight Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2412	LF		3" Deep Galvanized Steel Divider Strip, Straight.....	5.57	1.22
26 05 36 00-2413	LF		4" Deep Galvanized Steel Divider Strip, Straight.....	6.62	1.32
26 05 36 00-2414	LF		6" Deep Galvanized Steel Divider Strip, Straight.....	8.26	1.54
26 05 36 00-2415			3" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2416	EA		Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	31.92	8.78
26 05 36 00-2417	EA		Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	36.86	9.08
26 05 36 00-2418	EA		Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	38.83	9.44
26 05 36 00-2419	EA		Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	45.22	9.80
26 05 36 00-2420	EA		Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	42.65	9.80
26 05 36 00-2421	EA		Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	46.52	10.21
26 05 36 00-2422	EA		Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	54.99	10.67
26 05 36 00-2423	EA		Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	69.29	11.13
26 05 36 00-2424	EA		Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable.....	53.89	11.13
26 05 36 00-2425	EA		Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	60.52	11.69
26 05 36 00-2426	EA		Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	68.55	12.24
26 05 36 00-2427	EA		Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	88.25	12.92
26 05 36 00-2428			4" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2429	EA		Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	37.18	9.08
26 05 36 00-2430	EA		Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	41.40	9.44
26 05 36 00-2431	EA		Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	45.22	9.80
26 05 36 00-2432	EA		Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	52.30	10.21
26 05 36 00-2433	EA		Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	52.30	10.21
26 05 36 00-2434	EA		Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	62.05	10.67
26 05 36 00-2435	EA		Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	68.65	11.13
26 05 36 00-2436	EA		Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	86.20	11.69
26 05 36 00-2437	EA		Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray.....	58.84	10.67
26 05 36 00-2438	EA		Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	65.44	11.13
26 05 36 00-2439	EA		Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	78.50	11.69
26 05 36 00-2440	EA		Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	100.65	12.24
26 05 36 00-2441			6" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2442	EA		Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	41.06	10.21
26 05 36 00-2443	EA		Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	44.72	10.67
26 05 36 00-2444	EA		Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	49.39	11.13
26 05 36 00-2445	EA		Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	57.96	11.69
26 05 36 00-2446	EA		Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	53.07	10.67
26 05 36 00-2447	EA		Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	62.87	11.13
26 05 36 00-2448	EA		Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	70.15	11.69
26 05 36 00-2449	EA		Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	87.17	12.24
26 05 36 00-2450	EA		Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray.....	59.66	11.13
26 05 36 00-2451	EA		Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	70.15	11.69
26 05 36 00-2452	EA		Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	87.17	12.24
26 05 36 00-2453	EA		Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	107.51	12.92



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include categories like Horizontal Dividers, Aluminum Dividers, Straight Dividers, 3" Deep Vertical Dividers, 4" Deep Vertical Dividers, 6" Deep Vertical Dividers, Wall Brackets, Fiberglass Cable Tray, Ladder Bottom Fiberglass Cable Tray, and Straight Tray Sections.

26 Electrical

26 05 Common Work Results For Electrical

26 05 36 Cable Trays For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2518	LF		6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	7.69	1.37
			<i>For 9" Rung Spacing, Add</i>	0.20	
			<i>For 6" Rung Spacing, Add</i>	0.85	
			<i>For 4" Rung Spacing, Add</i>	1.55	
			<i>For 18" Rung Spacing, Deduct</i>	-0.14	
			<i>For Solid Bottom, Add</i>	2.00	
			<i>For Vented Trough Bottom, Add</i>	2.52	
26 05 36 00-2519	LF		9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	8.38	1.69
			<i>For 9" Rung Spacing, Add</i>	0.20	
			<i>For 6" Rung Spacing, Add</i>	0.87	
			<i>For 4" Rung Spacing, Add</i>	1.60	
			<i>For 18" Rung Spacing, Deduct</i>	-0.15	
			<i>For Solid Bottom, Add</i>	2.13	
			<i>For Vented Trough Bottom, Add</i>	2.65	
26 05 36 00-2520	LF		12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	9.06	2.04
			<i>For 9" Rung Spacing, Add</i>	0.21	
			<i>For 6" Rung Spacing, Add</i>	0.90	
			<i>For 4" Rung Spacing, Add</i>	1.65	
			<i>For 18" Rung Spacing, Deduct</i>	-0.15	
			<i>For Solid Bottom, Add</i>	2.26	
			<i>For Vented Trough Bottom, Add</i>	2.78	
26 05 36 00-2521	LF		18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	10.53	2.71
			<i>For 9" Rung Spacing, Add</i>	0.23	
			<i>For 6" Rung Spacing, Add</i>	0.97	
			<i>For 4" Rung Spacing, Add</i>	1.77	
			<i>For 18" Rung Spacing, Deduct</i>	-0.16	
			<i>For Solid Bottom, Add</i>	2.55	
			<i>For Vented Trough Bottom, Add</i>	3.09	
26 05 36 00-2522	LF		24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	11.99	3.42
			<i>For 9" Rung Spacing, Add</i>	0.24	
			<i>For 6" Rung Spacing, Add</i>	1.03	
			<i>For 4" Rung Spacing, Add</i>	1.89	
			<i>For 18" Rung Spacing, Deduct</i>	-0.17	
			<i>For Solid Bottom, Add</i>	2.83	
			<i>For Vented Trough Bottom, Add</i>	3.39	
26 05 36 00-2523	LF		30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	13.08	3.72
			<i>For 9" Rung Spacing, Add</i>	0.26	
			<i>For 6" Rung Spacing, Add</i>	1.12	
			<i>For 4" Rung Spacing, Add</i>	2.05	
			<i>For 18" Rung Spacing, Deduct</i>	-0.19	
			<i>For Solid Bottom, Add</i>	3.08	
			<i>For Vented Trough Bottom, Add</i>	3.69	
26 05 36 00-2524	LF		36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	14.20	4.08
			<i>For 9" Rung Spacing, Add</i>	0.28	
			<i>For 6" Rung Spacing, Add</i>	1.21	
			<i>For 4" Rung Spacing, Add</i>	2.22	
			<i>For 18" Rung Spacing, Deduct</i>	-0.20	
			<i>For Solid Bottom, Add</i>	3.34	
			<i>For Vented Trough Bottom, Add</i>	4.00	
26 05 36 00-2525			90 Degree Horizontal Elbows <small>(26 05 36 00-2516)</small>		
26 05 36 00-2526	EA		6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	38.17	10.21
			<i>For 9" Rung Spacing, Add</i>	0.80	
			<i>For 6" Rung Spacing, Add</i>	3.43	
			<i>For 4" Rung Spacing, Add</i>	6.28	
			<i>For 18" Rung Spacing, Deduct</i>	-0.57	
			<i>For Solid Bottom, Add</i>	9.15	
			<i>For Vented Trough Bottom, Add</i>	11.06	
			<i>For 60 Degree Bend, Deduct</i>	-9.07	
			<i>For 45 Degree Bend, Deduct</i>	-12.35	
			<i>For 30 Degree Bend, Deduct</i>	-15.63	
26 05 36 00-2527	EA		9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	42.02	11.89
			<i>For 9" Rung Spacing, Add</i>	0.85	
			<i>For 6" Rung Spacing, Add</i>	3.62	
			<i>For 4" Rung Spacing, Add</i>	6.64	
			<i>For 18" Rung Spacing, Deduct</i>	-0.60	
			<i>For Solid Bottom, Add</i>	9.93	
			<i>For Vented Trough Bottom, Add</i>	11.90	
			<i>For 60 Degree Bend, Deduct</i>	-9.76	
			<i>For 45 Degree Bend, Deduct</i>	-13.31	
			<i>For 30 Degree Bend, Deduct</i>	-16.86	
26 05 36 00-2528	EA		12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	47.93	14.95
			<i>For 9" Rung Spacing, Add</i>	0.89	
			<i>For 6" Rung Spacing, Add</i>	3.82	
			<i>For 4" Rung Spacing, Add</i>	7.00	
			<i>For 18" Rung Spacing, Deduct</i>	-0.64	
			<i>For Solid Bottom, Add</i>	11.01	
			<i>For Vented Trough Bottom, Add</i>	13.00	
			<i>For 60 Degree Bend, Deduct</i>	-10.65	
			<i>For 45 Degree Bend, Deduct</i>	-14.58	
			<i>For 30 Degree Bend, Deduct</i>	-18.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2529	EA		18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	56.30	18.07
			For 9" Rung Spacing, Add	1.02	
			For 6" Rung Spacing, Add	4.39	
			For 4" Rung Spacing, Add	8.04	
			For 18" Rung Spacing, Deduct	-0.73	
			For Solid Bottom, Add	12.83	
			For Vented Trough Bottom, Add	15.08	
			For 60 Degree Bend, Deduct	-12.36	
			For 45 Degree Bend, Deduct	-16.93	
			For 30 Degree Bend, Deduct	-21.50	
26 05 36 00-2530	EA		24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	63.29	20.78
			For 9" Rung Spacing, Add	1.13	
			For 6" Rung Spacing, Add	4.82	
			For 4" Rung Spacing, Add	8.84	
			For 18" Rung Spacing, Deduct	-0.80	
			For Solid Bottom, Add	14.32	
			For Vented Trough Bottom, Add	16.76	
			For 60 Degree Bend, Deduct	-13.73	
			For 45 Degree Bend, Deduct	-18.82	
			For 30 Degree Bend, Deduct	-23.91	
26 05 36 00-2531	EA		30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	70.14	22.15
			For 9" Rung Spacing, Add	1.29	
			For 6" Rung Spacing, Add	5.55	
			For 4" Rung Spacing, Add	10.17	
			For 18" Rung Spacing, Deduct	-0.92	
			For Solid Bottom, Add	16.07	
			For Vented Trough Bottom, Add	18.93	
			For 60 Degree Bend, Deduct	-15.52	
			For 45 Degree Bend, Deduct	-21.24	
			For 30 Degree Bend, Deduct	-26.97	
26 05 36 00-2532	EA		36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	78.19	23.84
			For 9" Rung Spacing, Add	1.49	
			For 6" Rung Spacing, Add	6.37	
			For 4" Rung Spacing, Add	11.68	
			For 18" Rung Spacing, Deduct	-1.06	
			For Solid Bottom, Add	18.10	
			For Vented Trough Bottom, Add	21.45	
			For 60 Degree Bend, Deduct	-17.58	
			For 45 Degree Bend, Deduct	-24.04	
			For 30 Degree Bend, Deduct	-30.50	
26 05 36 00-2533			Inside Or Outside Vertical Risers (26 05 36 00-2516)		
26 05 36 00-2534	EA		6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	62.04	10.21
			For 9" Rung Spacing, Add	1.64	
			For 6" Rung Spacing, Add	7.01	
			For 4" Rung Spacing, Add	12.85	
			For 18" Rung Spacing, Deduct	-1.17	
			For Solid Bottom, Add	16.31	
			For Vented Trough Bottom, Add	20.60	
			For 60 Degree Bend, Deduct	-16.95	
			For 45 Degree Bend, Deduct	-22.85	
			For 30 Degree Bend, Deduct	-28.76	
26 05 36 00-2535	EA		9" Vertical Inside Or Outside Riser 90, Fiberglass	65.24	11.89
			For 9" Rung Spacing, Add	1.66	
			For 6" Rung Spacing, Add	7.11	
			For 4" Rung Spacing, Add	13.03	
			For 18" Rung Spacing, Deduct	-1.18	
			For Solid Bottom, Add	16.89	
			For Vented Trough Bottom, Add	21.18	
			For 60 Degree Bend, Deduct	-17.42	
			For 45 Degree Bend, Deduct	-23.53	
			For 30 Degree Bend, Deduct	-29.63	
26 05 36 00-2536	EA		12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	70.49	14.95
			For 9" Rung Spacing, Add	1.68	
			For 6" Rung Spacing, Add	7.20	
			For 4" Rung Spacing, Add	13.21	
			For 18" Rung Spacing, Deduct	-1.20	
			For Solid Bottom, Add	17.78	
			For Vented Trough Bottom, Add	22.02	
			For 60 Degree Bend, Deduct	-18.10	
			For 45 Degree Bend, Deduct	-24.50	
			For 30 Degree Bend, Deduct	-30.91	
26 05 36 00-2537	EA		18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	76.53	18.07
			For 9" Rung Spacing, Add	1.73	
			For 6" Rung Spacing, Add	7.42	
			For 4" Rung Spacing, Add	13.61	
			For 18" Rung Spacing, Deduct	-1.24	
			For Solid Bottom, Add	18.90	
			For Vented Trough Bottom, Add	23.17	
			For 60 Degree Bend, Deduct	-19.03	
			For 45 Degree Bend, Deduct	-25.83	
			For 30 Degree Bend, Deduct	-32.62	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2538	EA		24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	81.92	20.78
			For 9" Rung Spacing, Add	1.78	
			For 6" Rung Spacing, Add	7.62	
			For 4" Rung Spacing, Add	13.97	
			For 18" Rung Spacing, Deduct	-1.27	
			For Solid Bottom, Add	19.91	
			For Vented Trough Bottom, Add	24.21	
			For 60 Degree Bend, Deduct	-19.87	
			For 45 Degree Bend, Deduct	-27.02	
			For 30 Degree Bend, Deduct	-34.16	
26 05 36 00-2539	EA		30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	85.27	22.15
			For 9" Rung Spacing, Add	1.82	
			For 6" Rung Spacing, Add	7.82	
			For 4" Rung Spacing, Add	14.33	
			For 18" Rung Spacing, Deduct	-1.30	
			For Solid Bottom, Add	20.61	
			For Vented Trough Bottom, Add	24.99	
			For 60 Degree Bend, Deduct	-20.51	
			For 45 Degree Bend, Deduct	-27.90	
			For 30 Degree Bend, Deduct	-35.29	
26 05 36 00-2540	EA		36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	93.29	23.84
			For 9" Rung Spacing, Add	2.01	
			For 6" Rung Spacing, Add	8.63	
			For 4" Rung Spacing, Add	15.83	
			For 18" Rung Spacing, Deduct	-1.44	
			For Solid Bottom, Add	22.63	
			For Vented Trough Bottom, Add	27.49	
			For 60 Degree Bend, Deduct	-22.57	
			For 45 Degree Bend, Deduct	-30.69	
			For 30 Degree Bend, Deduct	-38.80	
26 05 36 00-2541			Horizontal Tees <small>(26 05 36 00-2516)</small>		
26 05 36 00-2542	EA		6" Horizontal Tee, Fiberglass Cable Tray	78.60	25.52
			For 9" Rung Spacing, Add	1.41	
			For 6" Rung Spacing, Add	6.05	
			For 4" Rung Spacing, Add	11.09	
			For 18" Rung Spacing, Deduct	-1.01	
			For Solid Bottom, Add	17.84	
			For Vented Trough Bottom, Add	20.91	
26 05 36 00-2543	EA		9" Horizontal Tee, Fiberglass Cable Tray	86.82	29.96
			For 9" Rung Spacing, Add	1.47	
			For 6" Rung Spacing, Add	6.29	
			For 4" Rung Spacing, Add	11.53	
			For 18" Rung Spacing, Deduct	-1.05	
			For Solid Bottom, Add	19.31	
			For Vented Trough Bottom, Add	22.38	
26 05 36 00-2544	EA		12" Horizontal Tee, Fiberglass Cable Tray	97.11	35.73
			For 9" Rung Spacing, Add	1.52	
			For 6" Rung Spacing, Add	6.53	
			For 4" Rung Spacing, Add	11.97	
			For 18" Rung Spacing, Deduct	-1.09	
			For Solid Bottom, Add	21.09	
			For Vented Trough Bottom, Add	24.11	
26 05 36 00-2545	EA		18" Horizontal Tee, Fiberglass Cable Tray	108.10	40.17
			For 9" Rung Spacing, Add	1.68	
			For 6" Rung Spacing, Add	7.18	
			For 4" Rung Spacing, Add	13.17	
			For 18" Rung Spacing, Deduct	-1.20	
			For Solid Bottom, Add	23.40	
			For Vented Trough Bottom, Add	26.68	
26 05 36 00-2546	EA		24" Horizontal Tee, Fiberglass Cable Tray	114.16	41.85
			For 9" Rung Spacing, Add	1.80	
			For 6" Rung Spacing, Add	7.71	
			For 4" Rung Spacing, Add	14.13	
			For 18" Rung Spacing, Deduct	-1.28	
			For Solid Bottom, Add	24.83	
			For Vented Trough Bottom, Add	28.40	
26 05 36 00-2547	EA		30" Horizontal Tee, Fiberglass Cable Tray	123.11	44.25
			For 9" Rung Spacing, Add	1.99	
			For 6" Rung Spacing, Add	8.51	
			For 4" Rung Spacing, Add	15.61	
			For 18" Rung Spacing, Deduct	-1.42	
			For Solid Bottom, Add	26.98	
			For Vented Trough Bottom, Add	31.00	
26 05 36 00-2548	EA		36" Horizontal Tee, Fiberglass Cable Tray	134.16	47.67
			For 9" Rung Spacing, Add	2.19	
			For 6" Rung Spacing, Add	9.41	
			For 4" Rung Spacing, Add	17.25	
			For 18" Rung Spacing, Deduct	-1.57	
			For Solid Bottom, Add	29.53	
			For Vented Trough Bottom, Add	34.02	
26 05 36 00-2549			Horizontal Crosses <small>(26 05 36 00-2516)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2550 EA 6" Horizontal Cross, Fiberglass Cable Tray	118.02	44.25
For 9" Rung Spacing, Add	1.81	
For 6" Rung Spacing, Add	7.75	
For 4" Rung Spacing, Add	14.21	
For 18" Rung Spacing, Deduct	-1.29	
For Solid Bottom, Add	25.45	
For Vented Trough Bottom, Add	28.96	
26 05 36 00-2551 EA 9" Horizontal Cross, Fiberglass Cable Tray	124.65	47.67
For 9" Rung Spacing, Add	1.86	
For 6" Rung Spacing, Add	7.98	
For 4" Rung Spacing, Add	14.63	
For 18" Rung Spacing, Deduct	-1.33	
For Solid Bottom, Add	26.68	
For Vented Trough Bottom, Add	30.21	
26 05 36 00-2552 EA 12" Horizontal Cross, Fiberglass Cable Tray	131.28	51.09
For 9" Rung Spacing, Add	1.92	
For 6" Rung Spacing, Add	8.21	
For 4" Rung Spacing, Add	15.05	
For 18" Rung Spacing, Deduct	-1.37	
For Solid Bottom, Add	27.90	
For Vented Trough Bottom, Add	31.46	
26 05 36 00-2553 EA 18" Horizontal Cross, Fiberglass Cable Tray	140.75	54.46
For 9" Rung Spacing, Add	2.07	
For 6" Rung Spacing, Add	8.86	
For 4" Rung Spacing, Add	16.25	
For 18" Rung Spacing, Deduct	-1.48	
For Solid Bottom, Add	29.98	
For Vented Trough Bottom, Add	33.84	
26 05 36 00-2554 EA 24" Horizontal Cross, Fiberglass Cable Tray	149.21	57.88
For 9" Rung Spacing, Add	2.19	
For 6" Rung Spacing, Add	9.37	
For 4" Rung Spacing, Add	17.17	
For 18" Rung Spacing, Deduct	-1.56	
For Solid Bottom, Add	31.75	
For Vented Trough Bottom, Add	35.82	
26 05 36 00-2555 EA 30" Horizontal Cross, Fiberglass Cable Tray	159.83	61.29
For 9" Rung Spacing, Add	2.38	
For 6" Rung Spacing, Add	10.20	
For 4" Rung Spacing, Add	18.69	
For 18" Rung Spacing, Deduct	-1.70	
For Solid Bottom, Add	34.17	
For Vented Trough Bottom, Add	38.67	
26 05 36 00-2556 EA 36" Horizontal Cross, Fiberglass Cable Tray	173.60	65.69
For 9" Rung Spacing, Add	2.63	
For 6" Rung Spacing, Add	11.26	
For 4" Rung Spacing, Add	20.65	
For 18" Rung Spacing, Deduct	-1.88	
For Solid Bottom, Add	37.30	
For Vented Trough Bottom, Add	42.35	
26 05 36 00-2557 Horizontal Wyes (26 05 36 00-2516)		
26 05 36 00-2558 EA 6" Horizontal Wye, Fiberglass Cable Tray	74.52	25.52
For 9" Rung Spacing, Add	1.27	
For 6" Rung Spacing, Add	5.44	
For 4" Rung Spacing, Add	9.97	
For 18" Rung Spacing, Deduct	-0.91	
For Solid Bottom, Add	16.61	
For Vented Trough Bottom, Add	19.28	
26 05 36 00-2559 EA 9" Horizontal Wye, Fiberglass Cable Tray	78.54	27.26
For 9" Rung Spacing, Add	1.32	
For 6" Rung Spacing, Add	5.66	
For 4" Rung Spacing, Add	10.37	
For 18" Rung Spacing, Deduct	-0.94	
For Solid Bottom, Add	17.44	
For Vented Trough Bottom, Add	20.19	
26 05 36 00-2560 EA 12" Horizontal Wye, Fiberglass Cable Tray	92.74	35.73
For 9" Rung Spacing, Add	1.37	
For 6" Rung Spacing, Add	5.87	
For 4" Rung Spacing, Add	10.77	
For 18" Rung Spacing, Deduct	-0.98	
For Solid Bottom, Add	19.78	
For Vented Trough Bottom, Add	22.36	
26 05 36 00-2561 EA 18" Horizontal Wye, Fiberglass Cable Tray	103.31	40.17
For 9" Rung Spacing, Add	1.51	
For 6" Rung Spacing, Add	6.46	
For 4" Rung Spacing, Add	11.85	
For 18" Rung Spacing, Deduct	-1.08	
For Solid Bottom, Add	21.96	
For Vented Trough Bottom, Add	24.76	
26 05 36 00-2562 EA 24" Horizontal Wye, Fiberglass Cable Tray	108.92	41.85
For 9" Rung Spacing, Add	1.61	
For 6" Rung Spacing, Add	6.92	
For 4" Rung Spacing, Add	12.69	
For 18" Rung Spacing, Deduct	-1.15	
For Solid Bottom, Add	23.26	
For Vented Trough Bottom, Add	26.30	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2563	EA		30" Horizontal Wye, Fiberglass Cable Tray	117.44	44.25
			For 9" Rung Spacing, Add	1.79	
			For 6" Rung Spacing, Add	7.66	
			For 4" Rung Spacing, Add	14.05	
			For 18" Rung Spacing, Deduct	-1.28	
			For Solid Bottom, Add	25.28	
			For Vented Trough Bottom, Add	28.73	
26 05 36 00-2564	EA		36" Horizontal Wye, Fiberglass Cable Tray	127.89	47.67
			For 9" Rung Spacing, Add	1.98	
			For 6" Rung Spacing, Add	8.47	
			For 4" Rung Spacing, Add	15.52	
			For 18" Rung Spacing, Deduct	-1.41	
			For Solid Bottom, Add	27.65	
			For Vented Trough Bottom, Add	31.51	
26 05 36 00-2565			Straight Reducers <small>(26 05 36 00-2516)</small>		
26 05 36 00-2566	EA		9"-6" Reducer, Fiberglass Cable Tray.....	35.84	10.21
			For 9" Rung Spacing, Add	0.72	
			For 6" Rung Spacing, Add	3.08	
			For 4" Rung Spacing, Add	5.64	
			For 18" Rung Spacing, Deduct	-0.51	
			For Solid Bottom, Add	8.45	
			For Vented Trough Bottom, Add	10.12	
26 05 36 00-2567	EA		12"-9" Reducer, Fiberglass Cable Tray.....	38.68	11.89
			For 9" Rung Spacing, Add	0.73	
			For 6" Rung Spacing, Add	3.12	
			For 4" Rung Spacing, Add	5.73	
			For 18" Rung Spacing, Deduct	-0.52	
			For Solid Bottom, Add	8.93	
			For Vented Trough Bottom, Add	10.56	
26 05 36 00-2568	EA		18"-12" Reducer, Fiberglass Cable Tray.....	41.51	13.63
			For 9" Rung Spacing, Add	0.74	
			For 6" Rung Spacing, Add	3.17	
			For 4" Rung Spacing, Add	5.80	
			For 18" Rung Spacing, Deduct	-0.53	
			For Solid Bottom, Add	9.39	
			For Vented Trough Bottom, Add	10.99	
26 05 36 00-2569	EA		24"-18" Reducer, Fiberglass Cable Tray.....	44.29	14.95
			For 9" Rung Spacing, Add	0.76	
			For 6" Rung Spacing, Add	3.27	
			For 4" Rung Spacing, Add	6.00	
			For 18" Rung Spacing, Deduct	-0.55	
			For Solid Bottom, Add	9.92	
			For Vented Trough Bottom, Add	11.54	
26 05 36 00-2570	EA		30"-24" Reducer, Fiberglass Cable Tray.....	49.97	16.33
			For 9" Rung Spacing, Add	0.89	
			For 6" Rung Spacing, Add	3.82	
			For 4" Rung Spacing, Add	7.00	
			For 18" Rung Spacing, Deduct	-0.64	
			For Solid Bottom, Add	11.32	
			For Vented Trough Bottom, Add	13.25	
26 05 36 00-2571	EA		36"-30" Reducer, Fiberglass Cable Tray.....	56.64	18.07
			For 9" Rung Spacing, Add	1.04	
			For 6" Rung Spacing, Add	4.44	
			For 4" Rung Spacing, Add	8.14	
			For 18" Rung Spacing, Deduct	-0.74	
			For Solid Bottom, Add	12.93	
			For Vented Trough Bottom, Add	15.22	
26 05 36 00-2572			Vertical Tees <small>(26 05 36 00-2516)</small>		
26 05 36 00-2573	EA		6" Vertical Tee, Fiberglass Cable Tray.....	115.27	25.52
			For 9" Rung Spacing, Add	2.69	
			For 6" Rung Spacing, Add	11.55	
			For 4" Rung Spacing, Add	21.17	
			For 18" Rung Spacing, Deduct	-1.92	
			For Solid Bottom, Add	28.84	
			For Vented Trough Bottom, Add	35.58	
26 05 36 00-2574	EA		9" Vertical Tee, Fiberglass Cable Tray.....	118.78	27.26
			For 9" Rung Spacing, Add	2.73	
			For 6" Rung Spacing, Add	11.69	
			For 4" Rung Spacing, Add	21.44	
			For 18" Rung Spacing, Deduct	-1.95	
			For Solid Bottom, Add	29.51	
			For Vented Trough Bottom, Add	36.28	
26 05 36 00-2575	EA		12" Vertical Tee, Fiberglass Cable Tray.....	132.46	35.73
			For 9" Rung Spacing, Add	2.76	
			For 6" Rung Spacing, Add	11.83	
			For 4" Rung Spacing, Add	21.69	
			For 18" Rung Spacing, Deduct	-1.97	
			For Solid Bottom, Add	31.70	
			For Vented Trough Bottom, Add	38.25	
26 05 36 00-2576	EA		18" Vertical Tee, Fiberglass Cable Tray.....	141.30	40.17
			For 9" Rung Spacing, Add	2.84	
			For 6" Rung Spacing, Add	12.16	
			For 4" Rung Spacing, Add	22.29	
			For 18" Rung Spacing, Deduct	-2.03	
			For Solid Bottom, Add	33.36	
			For Vented Trough Bottom, Add	39.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2577 EA 24" Vertical Tee, Fiberglass Cable Tray	145.88	41.85
For 9" Rung Spacing, Add	2.91	
For 6" Rung Spacing, Add	12.47	
For 4" Rung Spacing, Add	22.85	
For 18" Rung Spacing, Deduct	-2.08	
For Solid Bottom, Add	34.35	
For Vented Trough Bottom, Add	41.09	
26 05 36 00-2578 EA 30" Vertical Tee, Fiberglass Cable Tray	151.35	44.25
For 9" Rung Spacing, Add	2.98	
For 6" Rung Spacing, Add	12.75	
For 4" Rung Spacing, Add	23.38	
For 18" Rung Spacing, Deduct	-2.13	
For Solid Bottom, Add	35.45	
For Vented Trough Bottom, Add	42.29	
26 05 36 00-2579 EA 36" Vertical Tee, Fiberglass Cable Tray	165.36	47.67
For 9" Rung Spacing, Add	3.29	
For 6" Rung Spacing, Add	14.09	
For 4" Rung Spacing, Add	25.83	
For 18" Rung Spacing, Deduct	-2.35	
For Solid Bottom, Add	38.89	
For Vented Trough Bottom, Add	46.50	

26 05 39 Underfloor Raceways for Electrical Systems (26 05)

26 05 39 00-0001 Underfloor Ducts (26 05 39)		
26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)		
26 05 39 00-0003 Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)		
26 05 39 00-0004 EA Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	56.24	8.98
26 05 39 00-0005 EA Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	71.72	10.52
26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)		
26 05 39 00-0007 EA Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	97.85	11.38
26 05 39 00-0008 EA Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	112.61	12.61
26 05 39 00-0009 Junction Boxes (26 05 39 00-0001)		
26 05 39 00-0010 One Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0011 EA 1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	148.55	17.86
26 05 39 00-0012 EA 1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	169.48	19.14
26 05 39 00-0013 EA 1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box	287.59	17.86
Note: Isolate each duct and form a continuous raceway through the box in both directions.		
26 05 39 00-0014 EA 1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	187.62	19.14
26 05 39 00-0015 EA 1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	303.81	25.16
26 05 39 00-0016 EA 1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	435.56	27.36
26 05 39 00-0017 Two Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0018 EA 2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level	691.02	18.07
Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
26 05 39 00-0019 EA 2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	796.98	19.14
26 05 39 00-0020 Elbow Fittings (26 05 39 00-0001)		
26 05 39 00-0021 90 Degree Horizontal Elbow (26 05 39 00-0020)		
26 05 39 00-0022 EA Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	75.06	6.58
26 05 39 00-0023 EA Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	77.55	6.58
26 05 39 00-0024 90 Degree Vertical Elbow (26 05 39 00-0020)		
26 05 39 00-0025 EA Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	38.79	6.58
26 05 39 00-0026 EA Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	39.79	6.58
26 05 39 00-0027 Offset Elbow (26 05 39 00-0020)		
Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028 EA Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	38.79	7.66
26 05 39 00-0029 EA Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	39.79	7.66
26 05 39 00-0030 Couplings (26 05 39 00-0001)		
26 05 39 00-0031 Sleeve Couplings (26 05 39 00-0030)		
26 05 39 00-0032 EA Underfloor Standard Duct Sleeve Coupling	21.81	10.21
26 05 39 00-0033 EA Underfloor Large Duct Sleeve Coupling	32.88	10.21
26 05 39 00-0034 Expansion Couplings (26 05 39 00-0030)		
26 05 39 00-0035 EA Underfloor Standard Duct Expansion Coupling	54.13	10.21
26 05 39 00-0036 EA Underfloor Large Duct Expansion Coupling	55.37	10.77

26 Electrical**26 05 Common Work Results For Electrical****26 05 39 Underfloor Raceways for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 39 00-0037	Reducing Couplings (26 05 39 00-0030)		
26 05 39 00-0038	EA Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	62.84	1.54
26 05 39 00-0039	Duct Supports (26 05 39 00-0001)		
26 05 39 00-0040	Combination Support And Coupling (26 05 39 00-0039)		
	Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA 1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	49.40	21.44
26 05 39 00-0042	EA 2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	54.62	21.44
26 05 39 00-0043	EA 3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	59.88	21.44
26 05 39 00-0044	EA 1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	54.62	23.99
26 05 39 00-0045	EA 2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	65.25	23.99
26 05 39 00-0046	EA 1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	59.88	25.52
26 05 39 00-0047	EA 2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	59.88	25.52
26 05 39 00-0048	EA 1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	65.25	25.52
26 05 39 00-0049	Duct Support Only (26 05 39 00-0039)		
	Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA 1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	45.34	18.89
26 05 39 00-0051	EA 2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	53.49	18.89
26 05 39 00-0052	EA 3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	62.51	18.89
26 05 39 00-0053	Underfloor Duct Accessories (26 05 39 00-0001)		
26 05 39 00-0054	Plugs For Unused Junction Box Openings And Duct Ends (26 05 39 00-0053)		
26 05 39 00-0055	EA Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	4.81	1.54
26 05 39 00-0056	EA Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	5.08	1.54
26 05 39 00-0057	Conduit Adapters (26 05 39 00-0053)		
26 05 39 00-0058	EA One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	22.40	2.55
26 05 39 00-0059	EA Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	23.66	2.55
26 05 39 00-0060	EA One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	22.92	2.55
26 05 39 00-0061	EA Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	23.46	2.55
26 05 39 00-0062	Holder And Caps (26 05 39 00-0053)		
26 05 39 00-0063	EA Tile Holder, Underfloor Duct Accessories	137.20	21.44
26 05 39 00-0064	EA Terrazzo Holder, Underfloor Duct Accessories	280.89	21.44
26 05 39 00-0065	EA Closing Caps For Inserts, Underfloor Duct Accessories	1.69	0.51
26 05 39 00-0066	Underfloor Dust Pans (26 05 39 00-0001)		
26 05 39 00-0067	EA Underfloor Dust Carpet Pan.....	66.13	2.80

26 05 43 Underground Ducts And Raceways For Electrical Systems (26 05)

Note: Underground utilities and conduits include warning tape.

26 05 43 00-0001	Duct Bank (26 05 43)		
	Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.		
26 05 43 00-0002	Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (26 05 43 00-0001)		
	Note: Includes appropriate spacers and fittings.		
26 05 43 00-0003	LF 2 At 2", Rigid Galvanized Conduit Duct Bank	16.48	
26 05 43 00-0004	LF 4 At 2", Rigid Galvanized Conduit Duct Bank	32.97	
26 05 43 00-0005	LF 2 At 3", Rigid Galvanized Conduit Duct Bank	34.20	
26 05 43 00-0006	LF 4 At 3", Rigid Galvanized Conduit Duct Bank	68.60	
26 05 43 00-0007	LF 2 At 4", Rigid Galvanized Conduit Duct Bank	50.39	
26 05 43 00-0008	LF 4 At 4", Rigid Galvanized Conduit Duct Bank	101.25	
26 05 43 00-0009	LF 6 At 4", Rigid Galvanized Conduit Duct Bank	152.03	
26 05 43 00-0010	LF 2 At 5", Rigid Galvanized Conduit Duct Bank	96.02	
26 05 43 00-0011	LF 4 At 5", Rigid Galvanized Conduit Duct Bank	191.56	
26 05 43 00-0012	LF 6 At 5", Rigid Galvanized Conduit Duct Bank	294.13	
26 05 43 00-0013	LF 2 At 6", Rigid Galvanized Conduit Duct Bank	136.31	
26 05 43 00-0014	LF 4 At 6", Rigid Galvanized Conduit Duct Bank	273.64	
26 05 43 00-0015	LF 6 At 6", Rigid Galvanized Conduit Duct Bank	407.63	
26 05 43 00-0016	Polyvinyl Chloride (PVC), Type EB Duct Bank System (26 05 43 00-0001)		
	Note: Includes appropriate spacers and fittings.		
26 05 43 00-0017	LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	3.45	
26 05 43 00-0018	LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	7.56	
26 05 43 00-0019	LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	14.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 43 00-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	4.59	
26 05 43 00-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	9.15	
26 05 43 00-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	18.57	
26 05 43 00-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	6.19	
26 05 43 00-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	12.37	
26 05 43 00-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	24.78	
26 05 43 00-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	37.15	
26 05 43 00-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	7.90	
26 05 43 00-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	15.79	
26 05 43 00-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	30.63	
26 05 43 00-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	43.60	
26 05 43 00-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	13.82	
26 05 43 00-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	21.47	
26 05 43 00-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	43.03	
26 05 43 00-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	69.22	

26 05 43 00-0035 Polyvinyl Chloride (PVC), Type DB Duct Bank System (26 05 43 00-0001)

Note: Includes appropriate spacers and fittings.

26 05 43 00-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	3.84	
26 05 43 00-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	8.36	
26 05 43 00-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	16.03	
26 05 43 00-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	4.78	
26 05 43 00-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	9.55	
26 05 43 00-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	19.02	
26 05 43 00-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	6.37	
26 05 43 00-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	12.74	
26 05 43 00-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	25.50	
26 05 43 00-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	38.24	
26 05 43 00-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	8.17	
26 05 43 00-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	16.34	
26 05 43 00-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	31.72	
26 05 43 00-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	45.24	
26 05 43 00-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	14.20	
26 05 43 00-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.25	
26 05 43 00-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	44.60	
26 05 43 00-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	71.57	

26 05 43 00-0054 Male Or Female Adapters (26 05 43 00-0001)

26 05 43 00-0055	EA	2" Adapter.....	18.22	
26 05 43 00-0056	EA	3" Adapter.....	27.13	
26 05 43 00-0057	EA	4" Adapter.....	35.37	
26 05 43 00-0058	EA	5" Adapter.....	56.82	
26 05 43 00-0059	EA	6" Adapter.....	69.66	

26 05 46 Utility Poles for Electrical Systems (26 05)

26 05 46 00-0001 Wood Poles (26 05 46)

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention (26 05 46 00-0001)

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set.....	559.75	144.08
		For Class 1 Pole, Add	95.04	
		For Class 2 Pole, Add	54.31	
		For Class 4 Pole, Deduct	-27.16	
		For Class 5 Pole, Deduct	-81.47	
		For Class 6 Pole, Deduct	-108.62	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set.....	688.41	159.86
		For Class 1 Pole, Add	129.04	
		For Class 2 Pole, Add	73.74	
		For Class 4 Pole, Deduct	-36.87	
		For Class 5 Pole, Deduct	-110.60	
		For Class 6 Pole, Deduct	-147.47	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set.....	886.39	211.42
		For Class 1 Pole, Add	162.26	
		For Class 2 Pole, Add	92.72	
		For Class 4 Pole, Deduct	-46.36	
		For Class 5 Pole, Deduct	-139.08	
		For Class 6 Pole, Deduct	-185.44	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,028.02	232.54
		For Class 1 Pole, Add	197.04	
		For Class 2 Pole, Add	112.59	
		For Class 4 Pole, Deduct	-56.30	
		For Class 5 Pole, Deduct	-168.89	
		For Class 6 Pole, Deduct	-225.18	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,184.76	259.00
		For Class 1 Pole, Add	233.35	
		For Class 2 Pole, Add	133.34	
		For Class 4 Pole, Deduct	-66.67	
		For Class 5 Pole, Deduct	-200.02	
		For Class 6 Pole, Deduct	-266.69	

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0008	EA		50' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,354.01	290.67
			For Class 1 Pole, Add	270.44	
			For Class 2 Pole, Add	154.54	
			For Class 4 Pole, Deduct	-77.27	
			For Class 5 Pole, Deduct	-231.81	
			For Class 6 Pole, Deduct	-309.08	
26 05 46 00-0009	EA		55' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,522.53	319.71
			For Class 1 Pole, Add	309.07	
			For Class 2 Pole, Add	176.61	
			For Class 4 Pole, Deduct	-88.31	
			For Class 5 Pole, Deduct	-264.92	
			For Class 6 Pole, Deduct	-353.23	
26 05 46 00-0010	EA		60' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,709.89	351.57
			For Class 1 Pole, Add	352.35	
			For Class 2 Pole, Add	201.34	
			For Class 4 Pole, Deduct	-100.67	
			For Class 5 Pole, Deduct	-302.01	
			For Class 6 Pole, Deduct	-402.68	
26 05 46 00-0011	EA		65' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,086.01	383.18
			For Class 1 Pole, Add	811.87	
			For Class 2 Pole, Add	463.92	
			For Class 4 Pole, Deduct	-231.96	
			For Class 5 Pole, Deduct	-695.89	
			For Class 6 Pole, Deduct	-927.85	
26 05 46 00-0012	EA		70' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,408.50	407.61
			For Class 1 Pole, Add	907.64	
			For Class 2 Pole, Add	518.65	
			For Class 4 Pole, Deduct	-259.33	
			For Class 5 Pole, Deduct	-777.98	
			For Class 6 Pole, Deduct	-1,037.30	
26 05 46 00-0013	EA		75' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,765.61	435.36
			For Class 1 Pole, Add	1,013.20	
			For Class 2 Pole, Add	578.97	
			For Class 4 Pole, Deduct	-289.49	
			For Class 5 Pole, Deduct	-868.46	
			For Class 6 Pole, Deduct	-1,157.94	
26 05 46 00-0014			Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)		
26 05 46 00-0015	LF		Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	12.28	
26 05 46 00-0016			Crossarms (26 05 46) Note: Includes hardware and braces.		
26 05 46 00-0017			Wood Single Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0018	EA		3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	109.16	42.97
26 05 46 00-0019	EA		3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	131.56	42.97
26 05 46 00-0020	EA		3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	137.90	55.25
26 05 46 00-0021			Wood Double Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0022	EA		3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	279.77	119.71
26 05 46 00-0023	EA		3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	298.27	119.71
26 05 46 00-0024	EA		3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	310.11	119.71
26 05 46 00-0025			Fiberglass Crossarms (26 05 46 00-0016) Note: Includes hardware.		
26 05 46 00-0026			Single Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0027	EA		Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	148.72	
26 05 46 00-0028	EA		Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	183.46	25.78
26 05 46 00-0029	EA		Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	189.60	27.63
26 05 46 00-0030			Two Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0031	EA		Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	226.95	33.15
26 05 46 00-0032			Fiberglass Crossarm Accessories (26 05 46 00-0025)		
26 05 46 00-0033	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	338.04	42.36
26 05 46 00-0034	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	399.55	51.57
26 05 46 00-0035	EA		Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	58.80	7.37
26 05 46 00-0036	EA		Three Phase Equipment Mounting Bracket	293.96	36.84
26 05 46 00-0037	EA		Fiberglass Bull Horn Crossarm	225.48	61.39
26 05 46 00-0038			Insulator Support System (26 05 46 00-0016)		
26 05 46 00-0039			Epoxy Construction Units, In Place Mounting (26 05 46 00-0038) Note: Includes hardware.		
26 05 46 00-0040	EA		1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	67.63	
26 05 46 00-0041	EA		1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	56.61	
26 05 46 00-0042	EA		Deadend Arms, In Place Mounting	175.24	
26 05 46 00-0043	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	110.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0044 Epoxy Construction Units, Grounding Mounting <small>(26 05 46 00-0038)</small> Note: Includes hardware.		
26 05 46 00-0045 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	49.87	
26 05 46 00-0046 EA 1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	44.77	
26 05 46 00-0047 EA Deadend Arms, Grounding Mounting	163.40	
26 05 46 00-0048 Guying <small>(26 05 46)</small> Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049 Down Guy <small>(26 05 46 00-0048)</small>		
26 05 46 00-0050 EA Down Guy For 25' To 40' Pole	451.76	171.89
26 05 46 00-0051 EA Down Guy For 45' To 60' Pole	461.86	171.89
26 05 46 00-0052 EA Down Guy For 65' To 75' Pole	482.63	171.89
26 05 46 00-0053 EA Guy Guard, Plastic.....	21.72	
26 05 46 00-0054 Head Guy, 50' Spans <small>(26 05 46 00-0048)</small>		
26 05 46 00-0055 EA Head Guy (50' Span), For 25' To 40' Pole	638.08	263.97
26 05 46 00-0056 EA Head Guy (50' Span), For 45' To 60' Pole	638.08	263.97
26 05 46 00-0057 EA Head Guy (50' Span), For 65' To 75' Pole	638.08	263.97
26 05 46 00-0058 Guy Strain Insulators Additional Insulators <small>(26 05 46 00-0048)</small> Note: As required at same material cost and labor.		
26 05 46 00-0059 EA Guy Strain Insulator	262.14	128.91
26 05 46 00-0060 Pole Anchor <small>(26 05 46 00-0048)</small> Note: Joslyn.		
26 05 46 00-0061 EA Pole Anchor, 4" Helix, 3/4" x 54" Shaft	43.43	
26 05 46 00-0062 EA Pole Anchor, 6" Helix, 3/4" x 66" Shaft	48.57	
26 05 46 00-0063 EA Pole Anchor, 8" Helix, 1" x 66" Shaft	60.68	
26 05 46 00-0064 EA Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	81.90	
26 05 46 00-0065 EA Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	103.79	
26 05 46 00-0066 EA Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	150.37	
26 05 46 00-0067 Insulators <small>(26 05 46)</small>		
26 05 46 00-0068 Pin Insulator With Pin <small>(26 05 46 00-0067)</small>		
26 05 46 00-0069 EA 5 KV Class 55-3, Pin Insulator With Pin	85.29	36.84
26 05 46 00-0070 EA 15 KV Class 55-5, Pin Insulator With Pin.....	89.38	36.84
26 05 46 00-0071 Suspension Insulator <small>(26 05 46 00-0067)</small> Note: Includes clevis and strain clamp.		
26 05 46 00-0072 EA 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	110.82	49.11
26 05 46 00-0073 EA 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	121.96	49.11
26 05 46 00-0074 EA 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	176.07	61.39
26 05 46 00-0075 EA 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	285.82	98.22
26 05 46 00-0076 Spool Insulator With Clevis <small>(26 05 46 00-0067)</small>		
26 05 46 00-0077 EA 5 KV Class 53-5, Spool Insulator With Clevis	36.90	15.35
26 05 46 00-0078 EA 15 KV Class, Spool Insulator With Clevis	119.98	55.25
26 05 46 00-0079 EA 25 KV Class, Spool Insulator With Clevis	155.13	55.25
26 05 46 00-0080 Secondary Rack <small>(26 05 46 00-0067)</small>		
26 05 46 00-0081 EA 1 Spool Secondary Rack	73.01	30.70
26 05 46 00-0082 EA 2 Spool Secondary Rack	76.60	39.16
26 05 46 00-0083 EA 3 Spool Secondary Rack	114.48	52.18
26 05 46 00-0084 EA 4 Spool Secondary Rack	128.03	52.18
26 05 46 00-0085 Outdoor Load Break Switches <small>(26 05 46)</small> Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0086 7.2 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>		
26 05 46 00-0087 EA 600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	2,675.15	208.71
26 05 46 00-0088 EA 1,200 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,332.92	208.71
26 05 46 00-0089 EA 1,600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,951.64	352.98
26 05 46 00-0090 EA 2,000 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,078.57	352.98
26 05 46 00-0091 14.4 KV Outdoor Load Break Switches <small>(26 05 46 00-0085)</small>		
26 05 46 00-0092 EA 600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,294.15	208.71
26 05 46 00-0093 EA 1,200 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,326.34	208.71
26 05 46 00-0094 EA 1,600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,951.64	352.98
26 05 46 00-0095 EA 2,000 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,078.57	352.98

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 46 00-0096	23 KV Outdoor Load Break Switches (26 05 46 00-0085)		
26 05 46 00-0097	EA 600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,625.12	242.48
26 05 46 00-0098	EA 1,200 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,916.40	242.48
26 05 46 00-0099	EA 1,600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,279.69	417.44
26 05 46 00-0100	EA 2,000 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,410.78	417.44
26 05 46 00-0101	Square Distribution Poles (26 05 46)		
26 05 46 00-0102	Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0101)		
26 05 46 00-0103	EA 20', Steel Taped Shaft Distribution Pole.....	1,948.49	260.90
26 05 46 00-0104	EA 25', Steel Taped Shaft Distribution Pole.....	2,177.63	276.25
26 05 46 00-0105	EA 30', Steel Taped Shaft Distribution Pole.....	2,358.22	306.94
26 05 46 00-0106	EA 35', Steel Taped Shaft Distribution Pole.....	2,610.99	337.63
26 05 46 00-0107	EA 40', Steel Taped Shaft Distribution Pole.....	3,597.85	368.33
26 05 46 00-0108	Square Prestressed Concrete Distribution Poles (26 05 46 00-0101)		
26 05 46 00-0109	EA 30', Prestressed Concrete Square Pole For Distribution.....	1,666.22	447.25
26 05 46 00-0110	EA 35', Prestressed Concrete Square Pole For Distribution.....	1,855.68	490.53
26 05 46 00-0111	EA 40', Prestressed Concrete Square Pole For Distribution.....	2,157.20	548.24
26 05 46 00-0112	EA 45', Prestressed Concrete Square Pole For Distribution.....	2,425.08	605.95
26 05 46 00-0113	EA 50', Prestressed Concrete Square Pole For Distribution.....	2,910.74	735.80
26 05 46 00-0114	EA 55', Prestressed Concrete Square Pole For Distribution.....	3,414.14	865.64
26 05 46 00-0115	EA 60', Prestressed Concrete Square Pole For Distribution.....	4,002.60	981.06
26 05 46 00-0116	EA 65', Prestressed Concrete Square Pole For Distribution.....	4,847.93	1,211.89
26 05 46 00-0117	EA 70', Prestressed Concrete Square Pole For Distribution.....	5,414.88	1,327.31
26 05 46 00-0118	Aluminum Tapered Poles (26 05 46)		
26 05 46 00-0119	Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0118)		
26 05 46 00-0120	EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	2,125.25	230.20
26 05 46 00-0121	EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,029.27	245.55
26 05 46 00-0122	EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,490.37	276.25
26 05 46 00-0123	EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	4,164.03	306.94
26 05 46 00-0124	EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	6,445.93	337.63
26 05 46 00-0125	Steel Service Poles Distribution (26 05 46)		
	Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0126	Round Tapered Pole (26 05 46 00-0125)		
26 05 46 00-0127	EA 40', Galvanized Steel Tapered Round Pole For Distribution.....	2,896.88	368.33
26 05 46 00-0128	EA 45', Galvanized Steel Tapered Round Pole For Distribution.....	3,395.00	399.02
26 05 46 00-0129	EA 50', Galvanized Steel Tapered Round Pole For Distribution.....	3,612.81	429.72
26 05 46 00-0130	EA 55', Galvanized Steel Tapered Round Pole For Distribution.....	4,268.53	491.10
26 05 46 00-0131	EA 60', Galvanized Steel Tapered Round Pole For Distribution.....	5,331.35	552.49
26 05 46 00-0132	EA 65', Galvanized Steel Tapered Round Pole For Distribution.....	6,205.47	678.08
26 05 46 00-0133	EA 70', Galvanized Steel Tapered Round Pole For Distribution.....	6,890.93	769.26
26 05 46 00-0134	EA 75', Galvanized Steel Tapered Round Pole For Distribution.....	7,605.57	865.64
26 05 46 00-0135	EA 80', Galvanized Steel Tapered Round Pole For Distribution.....	8,512.75	981.06
26 05 46 00-0136	EA 85', Galvanized Steel Tapered Round Pole For Distribution.....	9,104.13	1,038.77
26 05 46 00-0137	EA 90', Galvanized Steel Tapered Round Pole For Distribution.....	9,845.41	1,154.19
26 05 46 00-0138	EA 95', Galvanized Steel Tapered Round Pole For Distribution.....	10,832.79	1,298.46
26 05 46 00-0139	EA 100', Galvanized Steel Tapered Round Pole For Distribution.....	11,897.03	1,471.59
26 05 46 00-0140	12 Sided Tapered (26 05 46 00-0125)		
26 05 46 00-0141	EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	5,212.88	368.33
26 05 46 00-0142	EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	5,761.17	399.02
26 05 46 00-0143	EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	6,392.12	429.72
26 05 46 00-0144	EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,003.97	491.10
26 05 46 00-0145	EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	9,406.37	552.49
26 05 46 00-0146	EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,305.56	678.08
26 05 46 00-0147	EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	11,954.97	769.26
26 05 46 00-0148	EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	12,829.23	865.64
26 05 46 00-0149	EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	13,729.86	981.06
26 05 46 00-0150	EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	14,543.79	1,038.77
26 05 46 00-0151	EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	16,533.83	1,154.19
26 05 46 00-0152	EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	17,502.47	1,298.46
26 05 46 00-0153	EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	18,610.49	1,471.59
26 05 46 00-0154	EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	19,806.45	1,644.71
26 05 46 00-0155	Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0125)		
26 05 46 00-0156	EA Ladder Clips.....	13.16	
26 05 46 00-0157	EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	98.77	
26 05 46 00-0158	EA Ground Sleeve-2' At Ground Line.....	99.35	
26 05 46 00-0159	Arms With Baseplates And Endplates (26 05 46 00-0125)		
26 05 46 00-0160	EA 4' Arm With Baseplate And Endplate.....	416.56	61.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0161 EA 5' Arm With Baseplate And Endplate.....	456.39	61.39
26 05 46 00-0162 EA 6' Arm With Baseplate And Endplate.....	558.10	92.08
26 05 46 00-0163 EA 7' Arm With Baseplate And Endplate.....	592.94	92.08
26 05 46 00-0164 EA 8' Arm With Baseplate And Endplate.....	693.69	122.78
26 05 46 00-0165 EA 9' Arm With Baseplate And Endplate.....	733.50	122.78
26 05 46 00-0166 EA 10' Arm With Baseplate And Endplate.....	979.15	153.47
26 05 46 00-0167 EA 11' Arm With Baseplate And Endplate.....	1,023.84	153.47
26 05 46 00-0168 Standard Vangs Load Bearing At Any Angle (26 05 46 00-0125)		
26 05 46 00-0169 EA 15,000 LB Standard Vangs Load Bearing At Any Angle.....	155.63	61.39
26 05 46 00-0170 EA 30,000 LB Standard Vangs Load Bearing At Any Angle.....	180.03	61.39
26 05 46 00-0171 EA 45,000 LB Standard Vangs Load Bearing At Any Angle.....	213.41	61.39
26 05 46 00-0172 Armless Construction Brackets (26 05 46 00-0125)		
26 05 46 00-0173 Verticals Insulator And Equipment Bracket (26 05 46 00-0172)		
26 05 46 00-0174 EA 7" 1 Position Vertical Insulation And Equipment Bracket.....	159.61	61.39
26 05 46 00-0175 EA 12" 1 Position Vertical Insulation And Equipment Bracket.....	175.02	61.39
26 05 46 00-0176 EA 12" 3 Position Vertical Insulation And Equipment Bracket.....	200.05	61.39
26 05 46 00-0177 EA 18" 1 Position Vertical Insulation And Equipment Bracket.....	277.65	92.08
26 05 46 00-0178 EA 18" 3 Position Vertical Insulation And Equipment Bracket.....	292.27	92.08
26 05 46 00-0179 Horizontal And Multiple Insulator Brackets (26 05 46 00-0172)		
26 05 46 00-0180 EA Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	147.61	61.39
26 05 46 00-0181 EA Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	179.99	61.39
26 05 46 00-0182 EA Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	261.97	92.08
26 05 46 00-0183 EA Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	338.39	92.08
26 05 46 00-0184 EA Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	431.77	122.78
26 05 46 00-0185 EA Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	472.33	122.78
26 05 46 00-0186 Pole Top Bracket And Pins (26 05 46 00-0172)		
26 05 46 00-0187 EA Pole Top Pin - 5".....	152.31	61.39
26 05 46 00-0188 EA Pole Top Bracket - 5".....	160.17	61.39
26 05 46 00-0189 Angle Pins (26 05 46 00-0172)		
26 05 46 00-0190 EA Angle Pin - 25 Degree, 6".....	151.25	61.39
26 05 46 00-0191 EA Angle Pin - 25 Degree, 7 1/4".....	176.78	61.39
26 05 46 00-0192 Static And Neutral Wire Brackets (26 05 46 00-0172)		
26 05 46 00-0193 EA Neutral Wire Extension Bracket.....	162.72	61.39
26 05 46 00-0194 EA Static Wire Support Bracket.....	165.58	61.39
26 05 46 00-0195 Cutout, Arrestor And Terminator Brackets (26 05 46 00-0172)		
26 05 46 00-0196 EA Cutout And Arrestor, With Mounting Bracket.....	142.37	61.39
26 05 46 00-0197 EA Equipment Mounting T Bracket.....	155.20	61.39
26 05 46 00-0198 EA 15 KV Cutout.....	213.89	61.39
26 05 46 00-0199 EA 9/10 KV Arrestor.....	195.85	61.39
26 05 46 00-0200 Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0172)		
26 05 46 00-0201 EA Parallel Cable Spacer.....	183.27	61.39
26 05 46 00-0202 EA Conduit Standoff Support Bracket.....	174.13	61.39
26 05 46 00-0203 EA Three Transformer Pole Mounted Cluster Bracket.....	491.05	61.39
26 05 46 00-0204 15 KV 200 Amp Solenoid Operated High Voltage Switch (26 05 46 00-0172)		
Note: Includes pole mounting bracket.		
26 05 46 00-0205 EA 15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	1,101.71	153.47
26 05 46 00-0206 Octagonal Tapered (26 05 46 00-0125)		
26 05 46 00-0207 EA 40', Galvanized Steel Tapered Octagonal Pole For Distribution.....	5,385.01	368.33
26 05 46 00-0208 EA 45', Galvanized Steel Tapered Octagonal Pole For Distribution.....	5,952.09	399.02
26 05 46 00-0209 EA 50', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,604.95	429.72
26 05 46 00-0210 EA 55', Galvanized Steel Tapered Octagonal Pole For Distribution.....	7,235.58	521.80
26 05 46 00-0211 EA 60', Galvanized Steel Tapered Octagonal Pole For Distribution.....	9,725.62	552.49
26 05 46 00-0212 EA 65', Galvanized Steel Tapered Octagonal Pole For Distribution.....	10,649.84	678.08
26 05 46 00-0213 EA 70', Galvanized Steel Tapered Octagonal Pole For Distribution.....	12,355.59	721.37
26 05 46 00-0214 EA 75', Galvanized Steel Tapered Octagonal Pole For Distribution.....	13,256.45	865.64
26 05 46 00-0215 EA 80', Galvanized Steel Tapered Octagonal Pole For Distribution.....	14,182.10	923.35
26 05 46 00-0216 EA 85', Galvanized Steel Tapered Octagonal Pole For Distribution.....	15,022.65	1,038.77
26 05 46 00-0217 EA 90', Galvanized Steel Tapered Octagonal Pole For Distribution.....	17,079.98	1,096.48
26 05 46 00-0218 EA 95', Galvanized Steel Tapered Octagonal Pole For Distribution.....	18,076.79	1,298.46
26 05 46 00-0219 EA 100', Galvanized Steel Tapered Octagonal Pole For Distribution.....	19,212.98	1,385.03
26 05 46 00-0220 EA 105', Galvanized Steel Tapered Octagonal Pole For Distribution.....	20,440.24	1,558.15

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0221 Removal And Relocation Of Steel Service Poles <small>(26 05 46 00-0125)</small>		
26 05 46 00-0222 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60'	21.48	
26 05 46 00-0223 Special Steel Bases For Poles <small>(26 05 46 00-0125)</small>		
26 05 46 00-0224 EA Spin-In Steel Base For Poles.....	142.28	
26 05 46 00-0225 EA Series 3, 25' Pole And less	159.34	30.70
26 05 46 00-0226 EA Series 4, 40' Pole And less	190.31	35.30
26 05 46 00-0227 EA Series 5, 50' Pole And less	218.22	38.37
26 05 46 00-0228 Primary Fuse Cutouts <small>(26 05 46)</small>		
Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0229 Non-Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 05 46 00-0228)</small>		
Note: Includes the fuse and cut-out switch.		
26 05 46 00-0230 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0229)</small>		
26 05 46 00-0231 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	327.25	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.67	
26 05 46 00-0232 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	388.64	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	92.08	
26 05 46 00-0233 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	449.82	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	110.44	
26 05 46 00-0234 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	457.66	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	110.51	
26 05 46 00-0235 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	457.66	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	110.51	
26 05 46 00-0236 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0229)</small>		
26 05 46 00-0237 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	327.25	122.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.67	
26 05 46 00-0238 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0229)</small>		
26 05 46 00-0239 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	337.55	122.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.67	
26 05 46 00-0240 Fuseholders <small>(26 05 46 00-0229)</small>		
Note: Including current limiting fuse.		
26 05 46 00-0241 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	283.82	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.67	
26 05 46 00-0242 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	345.21	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	92.08	
26 05 46 00-0243 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	406.39	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	110.44	
26 05 46 00-0244 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	287.39	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.67	
26 05 46 00-0245 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	348.78	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	92.08	
26 05 46 00-0246 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	283.82	122.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.67	
26 05 46 00-0247 Accessories <small>(26 05 46 00-0229)</small>		
26 05 46 00-0248 EA Hot Line Clamp	41.33	13.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	9.21	
26 05 46 00-0249 EA Stirrup	44.60	13.81
26 05 46 00-0250 Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 05 46 00-0228)</small>		
Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0251 8.3 KV-95 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0250)</small>		
26 05 46 00-0252 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	407.47	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.67	
26 05 46 00-0253 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	468.86	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	92.08	
26 05 46 00-0254 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	530.04	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	110.44	
26 05 46 00-0255 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	545.36	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	110.51	
26 05 46 00-0256 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	545.36	153.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	110.51	
26 05 46 00-0257 17.1 KV-95 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0250)</small>		
26 05 46 00-0258 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	407.47	122.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.67	
26 05 46 00-0259 17.1 KV-125 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0250)</small>		
26 05 46 00-0260 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	407.47	122.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.67	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include Fuseholders, Pole Mounted Capacitors, Pole Structure Assemblies (5 KV, 15 KV, 25 KV, 50 KV).

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 46 00-0324	Overhead To Underground Conversion Structures <small>(26 05 46 00-0228)</small>			
	Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.			
26 05 46 00-0325	5 KV Structures <small>(26 05 46 00-0324)</small>			
	Note: Excludes pole.			
26 05 46 00-0326	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	2,464.62	1,227.76
26 05 46 00-0327	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	2,464.62	1,227.76
26 05 46 00-0328	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	2,464.62	1,227.76
26 05 46 00-0329	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	2,464.62	1,227.76
26 05 46 00-0330	15 KV Structures <small>(26 05 46 00-0324)</small>			
	Note: Excludes pole.			
26 05 46 00-0331	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	2,533.89	1,227.76
26 05 46 00-0332	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	2,533.89	1,227.76
26 05 46 00-0333	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	2,533.89	1,227.76
26 05 46 00-0334	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	2,533.89	1,227.76
26 05 46 00-0335	25 KV Structures <small>(26 05 46 00-0324)</small>			
	Note: Excludes pole.			
26 05 46 00-0336	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	2,609.44	1,227.76
26 05 46 00-0337	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	2,609.44	1,227.76
26 05 46 00-0338	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	2,609.44	1,227.76
26 05 46 00-0339	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	2,609.44	1,227.76
26 05 46 00-0340	Transformer Stations <small>(26 05 46 00-0228)</small>			
	Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.			
26 05 46 00-0341	5 KV Station <small>(26 05 46 00-0340)</small>			
26 05 46 00-0342	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	3,387.39	1,636.60
26 05 46 00-0343	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	3,801.38	1,841.64
26 05 46 00-0344	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	4,215.36	2,046.06
26 05 46 00-0345	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	4,215.36	2,046.06
26 05 46 00-0346	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	3,387.39	1,636.60
26 05 46 00-0347	15 KV Stations <small>(26 05 46 00-0340)</small>			
26 05 46 00-0348	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	3,456.65	1,636.14
26 05 46 00-0349	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	3,870.64	1,841.64
26 05 46 00-0350	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	4,284.62	2,046.06
26 05 46 00-0351	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	4,284.62	2,046.06
26 05 46 00-0352	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	3,456.65	1,636.60
26 05 46 00-0353	25 KV Stations <small>(26 05 46 00-0340)</small>			
26 05 46 00-0354	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	3,532.21	1,636.60
26 05 46 00-0355	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	3,946.20	1,841.64
26 05 46 00-0356	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	4,360.18	2,046.06
26 05 46 00-0357	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	4,360.18	2,046.06
26 05 46 00-0358	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	3,532.21	1,636.60

26 05 53 Identification for Electrical Systems (26 05)

26 05 53 00-0001	Conduit Markers Pressure-Sensitive <small>(26 05 53)</small>			
	Note: Stick-on, includes arrow tape.			
26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	6.68	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	6.94	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	7.45	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	7.55	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	7.65	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	7.80	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	9.69	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	9.90	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	10.05	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	10.20	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	10.52	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	10.86	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	11.16	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	11.47	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	12.94	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	13.50	
26 05 53 00-0018	Labeling Electrical Wires <small>(26 05 53)</small>			
26 05 53 00-0019	EA	Labeling Wire	1.11	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 83 Wiring Connections (26 05)

Table with 3 columns: Item ID, Description, and Cost. Section: 26 05 83 00-0001 Tape Wrapped Compression Connectors (26 05 83). Rows include various AWG and MCM compression connections with associated costs.

26 05 83 00-0016 One Hole Compression Lugs (26 05 83)

Table with 3 columns: Item ID, Description, and Cost. Section: 26 05 83 00-0016 One Hole Compression Lugs (26 05 83). Rows include various AWG and MCM low voltage lugs with associated costs.

26 05 83 00-0035 Two Hole Compression Lugs (26 05 83)

Table with 3 columns: Item ID, Description, and Cost. Section: 26 05 83 00-0035 Two Hole Compression Lugs (26 05 83). Rows include various AWG and MCM low voltage lugs with associated costs.

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83)

Table with 3 columns: Item ID, Description, and Cost. Section: 26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83). Rows include various AWG and MCM split bolt connectors with associated costs.

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)

Table with 3 columns: Item ID, Description, and Cost. Section: 26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83). Rows include AWG and MCM cable termination lugs with associated costs.

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0071	EA		4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.45 19.63	30.62
26 05 83 00-0072	EA		300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.56 23.20	38.28
26 05 83 00-0073	EA		500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.96 31.90	51.04
26 05 83 00-0074			Terminal Blocks <small>(26 05 83)</small> Note: Labor excludes wire termination.		
26 05 83 00-0075	EA		Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	513.70 113.42	188.85
26 05 83 00-0076	EA		#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.90 15.50	25.59
26 05 83 00-0077	EA		#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	196.29 15.67	25.59
26 05 83 00-0078			Parallel Gutter Tap Or Motor Connection <small>(26 05 83)</small>		
26 05 83 00-0079	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	19.45	9.23
26 05 83 00-0080	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	21.07	9.23
26 05 83 00-0081	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	22.01	9.23
26 05 83 00-0082	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	25.36	10.62
26 05 83 00-0083	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	30.90	13.27
26 05 83 00-0084	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	35.89	15.77
26 05 83 00-0085	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	41.91	18.48
26 05 83 00-0086	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	50.37	22.40
26 05 83 00-0087	EA		250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	59.68	26.59
26 05 83 00-0088	EA		300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	68.32	30.37
26 05 83 00-0089	EA		350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	73.33	32.72
26 05 83 00-0090	EA		400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	80.18	35.42
26 05 83 00-0091	EA		500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	87.80	38.69
26 05 83 00-0092	EA		750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	88.17	38.69
26 05 83 00-0093	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	19.45	9.23
26 05 83 00-0094	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	21.07	9.23
26 05 83 00-0095	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	22.01	9.23
26 05 83 00-0096	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	25.36	10.62
26 05 83 00-0097	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	30.90	13.27
26 05 83 00-0098	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	35.89	15.77
26 05 83 00-0099	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	41.91	18.48
26 05 83 00-0100	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	50.37	22.40
26 05 83 00-0101	EA		250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	59.68	26.59
26 05 83 00-0102	EA		300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	68.32	30.37
26 05 83 00-0103	EA		350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	73.33	32.72
26 05 83 00-0104	EA		400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	80.18	35.42
26 05 83 00-0105	EA		500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	87.80	38.69
26 05 83 00-0106	EA		750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	88.17	38.69
26 05 83 00-0107			Copper Mechanical Lugs <small>(26 05 83)</small>		
26 05 83 00-0108	EA		#8 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.00 3.83	6.38
26 05 83 00-0109	EA		#6 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.97 4.62	7.71
26 05 83 00-0110	EA		#4 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.74 5.36	8.93
26 05 83 00-0111	EA		#2 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.31 6.83	11.38
26 05 83 00-0112	EA		1/0 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.80 9.19	15.32
26 05 83 00-0113	EA		2/0 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.15 10.67	17.76
26 05 83 00-0114	EA		3/0 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.85 12.25	20.41
26 05 83 00-0115	EA		4/0 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.22 13.74	22.91
26 05 83 00-0116	EA		250 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.22 15.31	25.52
26 05 83 00-0117	EA		300 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.09 16.85	28.07
26 05 83 00-0118	EA		350 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.93 18.37	30.62
26 05 83 00-0119	EA		400 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.72 19.89	33.17
26 05 83 00-0120	EA		500 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.64 21.44	35.73
26 05 83 00-0121	EA		750 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.33 24.42	40.68
26 05 83 00-0122	EA		1,000 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.93 27.56	45.94
26 05 83 00-0123			Gel Connectors <small>(26 05 83)</small>		
26 05 83 00-0124	EA		3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.41 1.54	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like '4 Port, #14 to 2, Gel Tap Splice Kit', 'Other Connections', 'Motor/Equipment Connections And Terminations', 'AC Single Phase, 230 Volt', 'AC Three Phase, 230 Volt', 'AC Three Phase, 460 Volt', 'AC Single Phase, 120 Volt', and 'Motor Moisture Sensor'.



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 09 Instrumentation and Control for Electrical Systems ⁽²⁶⁾

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices ^(26 09)

26 09 23 00-0001	Lighting Contactors ^(26 09 23) Note: Up to 600 volt.		
26 09 23 00-0002	Electrically Held, Lighting Contactors ^(26 09 23 00-0001)		
26 09 23 00-0003	NEMA 1 Enclosure, Electrically Held, Lighting Contactors ^(26 09 23 00-0002)		
26 09 23 00-0004	2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors ^(26 09 23 00-0003)		
26 09 23 00-0005	EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	259.46	40.83
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.50	
26 09 23 00-0006	EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	324.39	45.94
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 09 23 00-0007	EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	619.18	71.45
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.87	
26 09 23 00-0008	EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	976.00	96.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.18	
26 09 23 00-0009	EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,094.32	127.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.56	
26 09 23 00-0010	3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors ^(26 09 23 00-0003)		
26 09 23 00-0011	EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	293.16	45.94
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 09 23 00-0012	EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	355.11	51.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.62	
26 09 23 00-0013	EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	666.94	81.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.00	
26 09 23 00-0014	EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,052.10	107.18
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.31	
26 09 23 00-0015	EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,245.38	140.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.21	
26 09 23 00-0016	4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors ^(26 09 23 00-0003)		
26 09 23 00-0017	EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	347.68	51.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.62	
26 09 23 00-0018	EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	421.50	56.14
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.69	
26 09 23 00-0019	EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	812.41	91.87
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.12	
26 09 23 00-0020	EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,267.42	117.39
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.43	
26 09 23 00-0021	EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,887.85	153.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.87	
26 09 23 00-0022	NEMA 4 Enclosure, Electrically Held, Lighting Contactors ^(26 09 23 00-0002)		
26 09 23 00-0023	2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors ^(26 09 23 00-0022)		
26 09 23 00-0024	EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	448.46	40.83
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.50	
26 09 23 00-0025	EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	574.98	45.94
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 09 23 00-0026	EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,118.89	71.45
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.87	
26 09 23 00-0027	EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,685.76	96.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.18	
26 09 23 00-0028	EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,305.75	127.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.56	
26 09 23 00-0029	3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors ^(26 09 23 00-0022)		
26 09 23 00-0030	EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	462.41	45.94
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.56	
26 09 23 00-0031	EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	605.70	51.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.62	
26 09 23 00-0032	EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,168.12	81.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.00	
26 09 23 00-0033	EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,761.38	107.18
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.31	
26 09 23 00-0034	EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,456.32	140.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.21	
26 09 23 00-0035	4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors ^(26 09 23 00-0022)		
26 09 23 00-0036	EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	498.78	51.04
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.62	
26 09 23 00-0037	EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	672.09	56.14
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0038 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,508.50 55.12	91.87
26 09 23 00-0039 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,171.59 70.43	117.39
26 09 23 00-0040 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,636.12 91.87	153.12
26 09 23 00-0041 Mechanically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0042 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0043 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0044 EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	397.21 24.50	40.83
26 09 23 00-0045 EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	452.37 27.56	45.94
26 09 23 00-0046 EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	868.30 42.87	71.45
26 09 23 00-0047 EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,211.93 58.18	96.97
26 09 23 00-0048 EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,860.25 76.56	127.59
26 09 23 00-0049 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0050 EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	422.90 27.56	45.94
26 09 23 00-0051 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	484.07 30.62	51.04
26 09 23 00-0052 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	917.53 49.00	81.66
26 09 23 00-0053 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,288.53 64.31	107.18
26 09 23 00-0054 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,218.92 84.21	140.36
26 09 23 00-0055 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0056 EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	455.54 30.62	51.04
26 09 23 00-0057 EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	514.80 33.69	56.14
26 09 23 00-0058 EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,076.19 55.12	91.87
26 09 23 00-0059 EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,518.01 70.43	117.39
26 09 23 00-0060 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,898.02 91.87	153.12
26 09 23 00-0061 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0062 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0063 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	610.24 24.50	40.83
26 09 23 00-0064 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	702.96 27.56	45.94
26 09 23 00-0065 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,369.48 42.87	71.45
26 09 23 00-0066 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,921.69 58.18	96.97
26 09 23 00-0067 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,070.71 76.56	127.59
26 09 23 00-0068 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0069 EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	642.88 27.56	45.94
26 09 23 00-0070 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	734.66 30.62	51.04
26 09 23 00-0071 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,418.71 49.00	81.66
26 09 23 00-0072 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,998.78 64.31	107.18
26 09 23 00-0073 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,430.35 84.21	140.36
26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0075 EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	678.18 30.62	51.04
26 09 23 00-0076 EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	765.39 33.69	56.14

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0077 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,772.28 55.12	91.87
26 09 23 00-0078 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,422.18 70.43	117.39
26 09 23 00-0079 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,610.63 91.87	153.12
26 09 23 00-0080 Combination Lighting Contactors (26 09 23) Note: Up to 600 volt.		
26 09 23 00-0081 Electrically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0082)		
26 09 23 00-0084 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	782.73 33.69	56.14
26 09 23 00-0085 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,225.97 53.90	89.83
26 09 23 00-0086 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,998.72 70.74	117.90
26 09 23 00-0087 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,691.75 92.63	154.39
26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0088)		
26 09 23 00-0090 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,450.24 33.69	56.14
26 09 23 00-0091 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,254.71 53.90	89.83
26 09 23 00-0092 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,793.89 70.74	117.90
26 09 23 00-0093 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,988.09 92.63	154.39
26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)		
26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0095)		
26 09 23 00-0097 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	858.93 33.69	56.14
26 09 23 00-0098 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,489.75 53.90	89.83
26 09 23 00-0099 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,248.58 70.74	117.90
26 09 23 00-0100 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,401.75 92.63	154.39
26 09 23 00-0101 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)		
26 09 23 00-0102 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0101)		
26 09 23 00-0103 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,527.17 33.69	56.14
26 09 23 00-0104 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,519.96 53.90	89.83
26 09 23 00-0105 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,044.48 70.74	117.90
26 09 23 00-0106 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,698.10 92.63	154.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0107 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket <small>(26 09 23)</small>		
26 09 23 00-0108 EA Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket.....	87.35	13.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.98	
26 09 23 00-0109 EA Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket.....	97.42	13.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.98	
26 09 23 00-0110 Dimming Module System (Lutron Grafik Eye) <small>(26 09 23)</small>		
26 09 23 00-0111 EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2).....	927.35	51.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.62	
26 09 23 00-0112 EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4).....	1,207.64	51.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.62	
26 09 23 00-0113 EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6).....	1,492.92	51.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.62	
26 09 23 00-0114 Light Control Panels <small>(26 09 23)</small>		
26 09 23 00-0115 Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0114)</small>		
26 09 23 00-0116 Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0115)</small>		
26 09 23 00-0117 EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	1,356.81	71.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.99	
26 09 23 00-0118 EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,256.65	76.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.06	
26 09 23 00-0119 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	1,429.10	76.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.06	
26 09 23 00-0120 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	2,200.84	76.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.06	
26 09 23 00-0121 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	2,403.30	76.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.06	
26 09 23 00-0122 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	1,522.65	71.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.99	
26 09 23 00-0123 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	1,634.03	76.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.06	
26 09 23 00-0124 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	1,836.29	76.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.06	
26 09 23 00-0125 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	2,281.75	76.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.06	
26 09 23 00-0126 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	2,484.19	76.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.06	
26 09 23 00-0127 Accessories For Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0115)</small>		
26 09 23 00-0128 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	121.73	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.68	
26 09 23 00-0129 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	93.04	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.14	
26 09 23 00-0130 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	41.01	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.14	
26 09 23 00-0131 Lighting Control Panels (Synergy) <small>(26 09 23 00-0114)</small>		
26 09 23 00-0132 Lighting Control Panels (Synergy) <small>(26 09 23 00-0131)</small>		
26 09 23 00-0133 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	1,474.54	76.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.06	
26 09 23 00-0134 Accessories For Lighting Control Panels (Synergy) <small>(26 09 23 00-0131)</small>		
26 09 23 00-0135 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL).....	365.48	12.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.68	
26 09 23 00-0136 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20).....	141.45	5.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 09 23 00-0137 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	77.11	7.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 09 23 00-0138 Lighting Switching Panels (Lutron) <small>(26 09 23 00-0114)</small>		
26 09 23 00-0139 Lighting Switching Panels (Lutron) <small>(26 09 23 00-0138)</small>		
26 09 23 00-0140 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT).....	1,190.87	76.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.06	
26 09 23 00-0141 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT).....	1,647.53	81.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.13	
26 09 23 00-0142 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT).....	2,170.21	87.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.20	
26 09 23 00-0143 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) <small>(26 09 23 00-0114)</small>		
26 09 23 00-0144 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	783.80	71.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.99	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0145	EA		12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	900.25	71.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.99	
26 09 23 00-0146	EA		18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	1,016.71	71.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.99	
26 09 23 00-0147			Power Filters <small>(26 09 23 00-0114)</small>		
26 09 23 00-0148	EA		600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	30,998.83	425.31
26 09 23 00-0149	EA		200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	18,458.75	184.91
26 09 23 00-0150			Signal Filters <small>(26 09 23 00-0114)</small>		
26 09 23 00-0151	EA		0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8" Case	13,837.53	386.67
26 09 23 00-0152	EA		0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case	9,517.04	236.31
26 09 23 00-0153	EA		0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	5,299.10	137.19
26 09 23 00-0154	EA		5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case	7,308.98	137.19
26 09 23 00-0155			Radio Controlled Devices (Lutron) <small>(26 09 23)</small>		
26 09 23 00-0156			Tabletop Transmitters For Radio Controlled Devices <small>(26 09 23 00-0155)</small>		
26 09 23 00-0157			Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0158	EA		One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	278.05	7.68
26 09 23 00-0159	EA		Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	362.93	7.68
26 09 23 00-0160	EA		Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	458.42	7.68
26 09 23 00-0161			Dimmable Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0162	EA		One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	278.05	7.68
26 09 23 00-0163	EA		Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	331.10	7.68
26 09 23 00-0164	EA		Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	458.42	7.68
26 09 23 00-0165	EA		One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	278.05	7.68
26 09 23 00-0166	EA		Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	362.93	7.68
26 09 23 00-0167	EA		Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	458.42	7.68
26 09 23 00-0168			Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0169	EA		One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	362.93	7.68
26 09 23 00-0170	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	458.42	7.68
26 09 23 00-0171	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	458.42	7.68
26 09 23 00-0172			Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0173	EA		One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	278.05	7.68
26 09 23 00-0174	EA		Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	362.93	7.68
26 09 23 00-0175	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	331.10	7.68
26 09 23 00-0176	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	405.37	7.68
26 09 23 00-0177	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	362.93	7.68
26 09 23 00-0178	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	437.20	7.68
26 09 23 00-0179	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	362.93	7.68
26 09 23 00-0180			Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0181	EA		One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	278.05	7.68
26 09 23 00-0182	EA		Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	362.93	7.68
26 09 23 00-0183	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	362.93	7.68
26 09 23 00-0184	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	458.42	7.68
26 09 23 00-0185	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	362.93	7.68
26 09 23 00-0186	EA		One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	458.42	7.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0187 Output Switch Closure Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0188 EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	278.05	7.68
26 09 23 00-0189 EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	362.93	7.68
26 09 23 00-0190 EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	458.42	7.68
26 09 23 00-0191 Accessories For Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0192 EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	55.23	7.68
26 09 23 00-0193 Wall Box Transmitters For Radio Controlled Devices <small>(26 09 23 00-0155)</small>		
26 09 23 00-0194 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	256.83	7.68
26 09 23 00-0195 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	278.05	7.68
26 09 23 00-0196 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	278.05	7.68
26 09 23 00-0197 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	278.05	7.68
26 09 23 00-0198 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	278.05	7.68
26 09 23 00-0199 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	278.05	7.68
26 09 23 00-0200 Interfaces For Radio Controlled Devices <small>(26 09 23 00-0155)</small>		
26 09 23 00-0201 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	256.83	7.68
26 09 23 00-0202 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	256.83	7.68
26 09 23 00-0203 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	256.83	7.68
26 09 23 00-0204 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	526.33	7.68
26 09 23 00-0205 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	755.51	7.68
26 09 23 00-0206 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	755.51	7.68
26 09 23 00-0207 Fluorescent Controllers For Radio Controlled Devices <small>(26 09 23 00-0155)</small>		
26 09 23 00-0208 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	331.10	7.68
26 09 23 00-0209 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	373.54	7.68
26 09 23 00-0210 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	437.20	7.68
26 09 23 00-0211 AC Motor Group Controllers For Radio Controlled Devices <small>(26 09 23 00-0155)</small>		
26 09 23 00-0212 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	490.25	7.68
26 09 23 00-0213 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	675.94	7.68
26 09 23 00-0214 Occupancy Sensors (Watt Stopper) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0215 Occupancy Sensors <small>(26 09 23 00-0214)</small>		
Note: Exclude boxes.		
26 09 23 00-0216 Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0215)</small>		
26 09 23 00-0217 Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0216)</small>		
26 09 23 00-0218 EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	95.43	5.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07
26 09 23 00-0219 EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	114.29	5.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07
26 09 23 00-0220 Passive Infrared, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0216)</small>		
26 09 23 00-0221 EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	77.18	5.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07
26 09 23 00-0222 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	71.46	5.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07
26 09 23 00-0223 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	82.14	5.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07
26 09 23 00-0224 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	96.57	5.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07
26 09 23 00-0225 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	95.38	5.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07
26 09 23 00-0226 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0216)</small>		
26 09 23 00-0227 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	143.02	5.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07
26 09 23 00-0228 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	154.96	5.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07
26 09 23 00-0229 Wall Switch Mounted Occupancy Sensor Accessories <small>(26 09 23 00-0216)</small>		
26 09 23 00-0230 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	3.70	1.28
26 09 23 00-0231 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	4.65	1.28
26 09 23 00-0232 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	4.65	1.28

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 09 23 00-0233		Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0215)</small>		
26 09 23 00-0234		Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0233)</small>		
26 09 23 00-0235		25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0234)</small>		
26 09 23 00-0236	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	117.47	11.51
26 09 23 00-0237	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	137.99	11.51
26 09 23 00-0238	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	158.67	11.51
26 09 23 00-0239	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	156.80	11.51
26 09 23 00-0240		32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0234)</small>		
26 09 23 00-0241	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	129.62	11.51
26 09 23 00-0242	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	150.43	11.51
26 09 23 00-0243	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	170.14	11.51
26 09 23 00-0244	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	173.48	11.51
26 09 23 00-0245	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	142.06	11.51
26 09 23 00-0246	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	163.39	11.51
26 09 23 00-0247	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	184.64	11.51
26 09 23 00-0248	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	190.76	11.51
26 09 23 00-0249		40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0234)</small>		
26 09 23 00-0250	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	135.63	11.51
26 09 23 00-0251	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	160.50	11.51
26 09 23 00-0252	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	181.31	11.51
26 09 23 00-0253	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	126.47	11.51
26 09 23 00-0254	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	157.81	11.51
26 09 23 00-0255	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	167.96	11.51
26 09 23 00-0256	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	136.92	11.51
26 09 23 00-0257	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	154.97	11.51
26 09 23 00-0258	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	177.25	11.51
26 09 23 00-0259		Passive Infrared, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0233)</small>		
26 09 23 00-0260	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	93.52	11.51
26 09 23 00-0261	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	95.94	11.51
26 09 23 00-0262	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	101.68	11.51
26 09 23 00-0263	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	117.08	11.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.91		
26 09 23 00-0264	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	118.95	11.51
26 09 23 00-0265	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	127.01	11.51
26 09 23 00-0266	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	139.91	11.51
26 09 23 00-0267		Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0233)</small>		
26 09 23 00-0268	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	169.97	11.51
26 09 23 00-0269	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	197.25	11.51
26 09 23 00-0270	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	164.17	11.51
26 09 23 00-0271		Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0215)</small>		
26 09 23 00-0272		Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0271)</small>		
26 09 23 00-0273	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	213.60	11.51
26 09 23 00-0274	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	213.60	11.51
26 09 23 00-0275		Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0271)</small>		
26 09 23 00-0276	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	197.25	11.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0277	Occupancy Sensor Power Packs <small>(26 09 23 00-0214)</small>	
26 09 23 00-0278	Single Voltage, Occupancy Sensor Power Packs <small>(26 09 23 00-0277)</small>	
26 09 23 00-0279	EA 220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P) 58.62	10.23
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	<i>6.14</i>	
26 09 23 00-0280	EA 347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P) 51.69	10.23
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	<i>6.14</i>	
26 09 23 00-0281	Auxiliary, Occupancy Sensor Power Packs <small>(26 09 23 00-0277)</small>	
26 09 23 00-0282	EA 120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P) 45.98	10.23
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	<i>6.14</i>	
26 09 23 00-0283	Universal Voltage, Power Packs For Occupancy Sensors <small>(26 09 23 00-0277)</small>	
26 09 23 00-0284	EA 120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100) 66.88	10.23
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	<i>6.14</i>	
26 09 23 00-0285	Form C, Occupancy Sensor Power Packs <small>(26 09 23 00-0277)</small>	
26 09 23 00-0286	EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P) 58.94	10.23
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	<i>6.14</i>	
26 09 23 00-0287	EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P) 59.00	10.23
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	<i>6.14</i>	
26 09 23 00-0288	Two Relay, Occupancy Sensor Power Packs <small>(26 09 23 00-0277)</small>	
26 09 23 00-0289	EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P) 79.03	10.23
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	<i>6.14</i>	
26 09 23 00-0290	EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P) 80.40	10.23
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	<i>6.14</i>	
26 09 23 00-0291	Occupancy Sensor Power Supplies <small>(26 09 23 00-0277)</small>	
26 09 23 00-0292	EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120) 190.46	10.23
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	<i>6.14</i>	
26 09 23 00-0293	EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277) 180.58	10.23
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	<i>6.14</i>	
26 09 23 00-0294	Intelligent, Occupancy Sensor Power Packs <small>(26 09 23 00-0277)</small>	
26 09 23 00-0295	EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100) 245.00	10.23
26 09 23 00-0296	DIN Rail Mounted, Occupancy Sensor Power Packs <small>(26 09 23 00-0277)</small>	
26 09 23 00-0297	EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100) 66.09	10.23
26 09 23 00-0298	Occupancy Sensor Accessories <small>(26 09 23 00-0214)</small>	
26 09 23 00-0299	Protective Cages For Occupancy Sensors <small>(26 09 23 00-0298)</small>	
26 09 23 00-0300	EA Protective Cage For Occupancy Sensors (Watt Stopper WC) 41.71	3.83
26 09 23 00-0301	Mounting Brackets For Occupancy Sensors <small>(26 09 23 00-0298)</small>	
26 09 23 00-0302	EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB) 26.38	6.40
	<i>Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.</i>	
26 09 23 00-0303	Occupancy/Lighting Logger <small>(26 09 23 00-0298)</small>	
	<i>Note: Logs when a space is occupied/vacant and when lighting is on/off.</i>	
26 09 23 00-0304	EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200) 321.98	21.75
26 09 23 00-0305	Remove And Reinstall Occupancy Sensors <small>(26 09 23 00-0298)</small>	
26 09 23 00-0306	EA Removal And Reinstallation Of Surface Mounted Occupancy Sensor 34.55	
	<i>Note: Includes storing and cleaning.</i>	
26 09 23 00-0307	EA Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor 15.36	
	<i>Note: Includes storing and cleaning.</i>	
26 09 23 00-0308	Digital Time Light Switches <small>(26 09 23 00-0214)</small>	
26 09 23 00-0309	EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400) 68.76	5.12
26 09 23 00-0310	Occupancy Sensors (Sensor Switch) <small>(26 09 23)</small>	
	<i>Note: Includes testing of new devices and certification.</i>	
26 09 23 00-0311	Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0310)</small>	
	<i>Note: Exclude boxes</i>	
26 09 23 00-0312	Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0311)</small>	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0313			Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) ^(26 09 23 00-0312)		
26 09 23 00-0314	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	98.51	5.12
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Low Voltage Relay Option, Add</i>	8.02	
26 09 23 00-0315	EA		Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL).....	69.08	5.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 09 23 00-0316	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD).....	65.84	5.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
26 09 23 00-0317	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	65.84	5.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
26 09 23 00-0318	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P).....	83.79	5.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
26 09 23 00-0319	EA		Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	83.79	5.12
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
26 09 23 00-0320	EA		2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	102.19	5.12
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
26 09 23 00-0321	EA		Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	83.79	5.12
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
26 09 23 00-0322			Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) ^(26 09 23 00-0312)		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0323	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	127.93	5.12
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Low Voltage Relay Option, Add</i>	8.02	
26 09 23 00-0324	EA		Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	98.51	5.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 09 23 00-0325	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT).....	96.30	5.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
26 09 23 00-0326	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	96.30	5.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
26 09 23 00-0327	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	113.22	5.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
26 09 23 00-0328	EA		Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	113.22	5.12
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
26 09 23 00-0329	EA		2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	122.05	5.12
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
26 09 23 00-0330			Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) ^(26 09 23 00-0312)		
26 09 23 00-0331	EA		One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	8.44	1.28
26 09 23 00-0332	EA		One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	8.44	1.28
26 09 23 00-0333	EA		Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3).....	17.27	1.28
26 09 23 00-0334	EA		Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	17.27	1.28
26 09 23 00-0335			360 Degree View Occupancy Sensors (Sensor Switch) ^(26 09 23 00-0311)		
26 09 23 00-0336			Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) ^(26 09 23 00-0335)		
			Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0337	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9).....	111.31	11.51
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Low Voltage Relay Option, Add</i>	8.02	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
			<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
			<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0338	EA		Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9).....	111.31	11.51
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Low Voltage Relay Option, Add</i>	8.02	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
			<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
			<i>For Photocell Option With Dimming Capability, Add</i>	20.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0339 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	111.31	11.51
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Low Voltage Relay Option, Add</i>	8.02	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0340 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	118.66	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0341 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	118.66	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0342 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	95.12	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0343 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	148.09	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	20.06	
26 09 23 00-0344 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	148.09	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	20.06	
26 09 23 00-0345 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	124.55	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	20.06	
26 09 23 00-0346 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	111.31	11.51
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Low Voltage Relay Option, Add</i>	8.02	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0347 EA Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	111.31	11.51
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Low Voltage Relay Option, Add</i>	8.02	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0348 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	111.31	11.51
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Low Voltage Relay Option, Add</i>	8.02	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0349 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	118.66	11.51
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0350 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	118.66	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0351 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	95.12	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
<i>For Photocell Option With Dimming Capability, Add</i>	20.06	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 09 23 00-0352	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	148.09	11.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
		<i>For Low Temp/High Humidity Option, Add</i>	6.69	
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
		<i>For Photocell Option With Dual Zone On/Off, Add</i>	20.06	
26 09 23 00-0353	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	148.09	11.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
		<i>For Low Temp/High Humidity Option, Add</i>	6.69	
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
		<i>For Photocell Option With Dual Zone On/Off, Add</i>	20.06	
26 09 23 00-0354	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	124.55	11.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
		<i>For Low Temp/High Humidity Option, Add</i>	6.69	
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
		<i>For Photocell Option With Dual Zone On/Off, Add</i>	20.06	
26 09 23 00-0355		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch)⁽²⁶⁾ <small>09 23 00-0355</small> Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0356	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	140.73	11.51
		<i>For Low Temp/High Humidity Option, Add</i>	6.69	
		<i>For Low Voltage Relay Option, Add</i>	8.02	
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
		<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
		<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0357	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9).....	140.73	11.51
		<i>For Low Temp/High Humidity Option, Add</i>	6.69	
		<i>For Low Voltage Relay Option, Add</i>	8.02	
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
		<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
		<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0358	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9).....	140.73	11.51
		<i>For Low Temp/High Humidity Option, Add</i>	6.69	
		<i>For Low Voltage Relay Option, Add</i>	8.02	
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
		<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
		<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0359	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	133.37	11.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
		<i>For Low Temp/High Humidity Option, Add</i>	6.69	
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
		<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
		<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0360	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	133.37	11.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
		<i>For Low Temp/High Humidity Option, Add</i>	6.69	
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
		<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
		<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0361	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	109.83	11.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
		<i>For Low Temp/High Humidity Option, Add</i>	6.69	
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
		<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
		<i>For Photocell Option With Dimming Capability, Add</i>	20.06	
26 09 23 00-0362	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	162.80	11.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
		<i>For Low Temp/High Humidity Option, Add</i>	6.69	
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
		<i>For Photocell Option With Dual Zone On/Off, Add</i>	20.06	
26 09 23 00-0363	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	162.80	11.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
		<i>For Low Temp/High Humidity Option, Add</i>	6.69	
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
		<i>For Photocell Option With Dual Zone On/Off, Add</i>	20.06	
26 09 23 00-0364	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	139.26	11.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
		<i>For Low Temp/High Humidity Option, Add</i>	6.69	
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
		<i>For Photocell Option With Dual Zone On/Off, Add</i>	20.06	
26 09 23 00-0365	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	140.73	11.51
		<i>For Low Temp/High Humidity Option, Add</i>	6.69	
		<i>For Low Voltage Relay Option, Add</i>	8.02	
		<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
		<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
		<i>For Photocell Option With Dimming Capability, Add</i>	20.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0366 EA Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	140.73	11.51
For Low Temp/High Humidity Option, Add	6.69	
For Low Voltage Relay Option, Add	8.02	
For Photocell (Inhibit Mode Only) Option, Add	8.02	
For Occupancy Controlled Dimming Option, Add	13.38	
For Photocell Option With Dimming Capability, Add	20.06	
26 09 23 00-0367 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	140.73	11.51
For Low Temp/High Humidity Option, Add	6.69	
For Low Voltage Relay Option, Add	8.02	
For Photocell (Inhibit Mode Only) Option, Add	8.02	
For Occupancy Controlled Dimming Option, Add	13.38	
For Photocell Option With Dimming Capability, Add	20.06	
26 09 23 00-0368 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	133.37	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
For Photocell (Inhibit Mode Only) Option, Add	8.02	
For Occupancy Controlled Dimming Option, Add	13.38	
For Photocell Option With Dimming Capability, Add	20.06	
26 09 23 00-0369 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	133.37	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
For Photocell (Inhibit Mode Only) Option, Add	8.02	
For Occupancy Controlled Dimming Option, Add	13.38	
For Photocell Option With Dimming Capability, Add	20.06	
26 09 23 00-0370 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	109.83	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
For Photocell (Inhibit Mode Only) Option, Add	8.02	
For Occupancy Controlled Dimming Option, Add	13.38	
For Photocell Option With Dimming Capability, Add	20.06	
26 09 23 00-0371 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	162.80	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
For Photocell (Inhibit Mode Only) Option, Add	8.02	
For Photocell Option With Dual Zone On/Off, Add	20.06	
26 09 23 00-0372 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	162.80	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
For Photocell (Inhibit Mode Only) Option, Add	8.02	
For Photocell Option With Dual Zone On/Off, Add	20.06	
26 09 23 00-0373 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	139.26	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
For Photocell (Inhibit Mode Only) Option, Add	8.02	
For Photocell Option With Dual Zone On/Off, Add	20.06	
26 09 23 00-0374 Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0311)</small>		
26 09 23 00-0375 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0374)</small>		
26 09 23 00-0376 EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	111.31	11.51
For Low Temp/High Humidity Option, Add	6.69	
For Low Voltage Relay Option, Add	8.02	
For Photocell (Inhibit Mode Only) Option, Add	8.02	
For Ceiling Mount, Add	13.38	
26 09 23 00-0377 EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	126.02	11.51
For Low Temp/High Humidity Option, Add	6.69	
For Low Voltage Relay Option, Add	8.02	
For Photocell (Inhibit Mode Only) Option, Add	8.02	
For Ceiling Mount, Add	13.38	
26 09 23 00-0378 EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	155.44	11.51
For Low Temp/High Humidity Option, Add	6.69	
For Ceiling Mount, Add	13.38	
26 09 23 00-0379 EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	148.09	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
For Photocell (Inhibit Mode Only) Option, Add	8.02	
For Ceiling Mount, Add	13.38	
26 09 23 00-0380 EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	177.51	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
For Photocell (Inhibit Mode Only) Option, Add	8.02	
For Ceiling Mount, Add	13.38	
26 09 23 00-0381 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0374)</small>		
Note: Includes passive infrared and microphonics detection		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0382	EA		Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	140.73	11.51
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Low Voltage Relay Option, Add</i>	8.02	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
			<i>For Ceiling Mount, Add</i>	13.38	
26 09 23 00-0383	EA		Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	162.80	11.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
			<i>For Ceiling Mount, Add</i>	13.38	
26 09 23 00-0384	EA		2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	192.22	11.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	8.02	
			<i>For Ceiling Mount, Add</i>	13.38	
26 09 23 00-0385			High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0311)		
26 09 23 00-0386			Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0385)		
26 09 23 00-0387	EA		Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	111.31	11.51
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Low Voltage Relay Option, Add</i>	8.02	
			<i>For Photocell Option, Add</i>	13.38	
			<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
26 09 23 00-0388	EA		Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	111.31	11.51
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Low Voltage Relay Option, Add</i>	8.02	
			<i>For Photocell Option, Add</i>	13.38	
			<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
26 09 23 00-0389	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	111.31	11.51
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Low Voltage Relay Option, Add</i>	8.02	
			<i>For Photocell Option, Add</i>	13.38	
			<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
26 09 23 00-0390	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	95.12	11.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Start To High, HID Option, Add</i>	8.02	
			<i>For Photocell Option, Add</i>	13.38	
			<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
26 09 23 00-0391	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	95.12	11.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Start To High, HID Option, Add</i>	8.02	
			<i>For Photocell Option, Add</i>	13.38	
			<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
26 09 23 00-0392	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	95.12	11.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Start To High, HID Option, Add</i>	8.02	
			<i>For Photocell Option, Add</i>	13.38	
			<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
26 09 23 00-0393	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	124.55	11.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell Option, Add</i>	13.38	
26 09 23 00-0394	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	124.55	11.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell Option, Add</i>	13.38	
26 09 23 00-0395	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	124.55	11.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell Option, Add</i>	13.38	
26 09 23 00-0396	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	105.42	11.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell Option, Add</i>	13.38	
26 09 23 00-0397	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	105.42	11.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
			<i>For Low Temp/High Humidity Option, Add</i>	6.69	
			<i>For Photocell Option, Add</i>	13.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0398 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	105.42	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell Option, Add</i>	13.38	
26 09 23 00-0399 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	105.42	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell Option, Add</i>	13.38	
26 09 23 00-0400 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	105.42	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell Option, Add</i>	13.38	
26 09 23 00-0401 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	105.42	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell Option, Add</i>	13.38	
26 09 23 00-0402 EA Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	126.02	11.51
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Low Voltage Relay Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
26 09 23 00-0403 EA Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	126.02	11.51
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Low Voltage Relay Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
26 09 23 00-0404 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	126.02	11.51
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Low Voltage Relay Option, Add</i>	8.02	
<i>For Photocell Option, Add</i>	13.38	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
26 09 23 00-0405 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	153.97	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Start To High, HID Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
26 09 23 00-0406 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	153.97	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Start To High, HID Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
26 09 23 00-0407 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	153.97	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Start To High, HID Option, Add</i>	8.02	
<i>For Photocell Option, Add</i>	13.38	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	
26 09 23 00-0408 EA 2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	134.85	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
26 09 23 00-0409 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	134.85	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell Option, Add</i>	13.38	
26 09 23 00-0410 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	112.78	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
26 09 23 00-0411 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	112.78	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell Option, Add</i>	13.38	
26 09 23 00-0412 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	112.78	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
26 09 23 00-0413 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	112.78	11.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.91	
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Photocell Option, Add</i>	13.38	
26 09 23 00-0414 EA Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	126.02	11.51
<i>For Low Temp/High Humidity Option, Add</i>	6.69	
<i>For Low Voltage Relay Option, Add</i>	8.02	
<i>For Occupancy Controlled Dimming Option, Add</i>	13.38	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0415 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	126.02	11.51
For Low Temp/High Humidity Option, Add	6.69	
For Low Voltage Relay Option, Add	8.02	
For Occupancy Controlled Dimming Option, Add	13.38	
26 09 23 00-0416 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	153.97	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
For Start To High, HID Option, Add	8.02	
For Occupancy Controlled Dimming Option, Add	13.38	
26 09 23 00-0417 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	153.97	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
For Start To High, HID Option, Add	8.02	
For Occupancy Controlled Dimming Option, Add	13.38	
26 09 23 00-0418 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	148.09	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
26 09 23 00-0419 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	133.37	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
26 09 23 00-0420 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	133.37	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
26 09 23 00-0421 Occupancy Sensor Power Packs (Sensor Switch) (26 09 23 00-0310)		
26 09 23 00-0422 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	61.67	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.14	
26 09 23 00-0423 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	91.09	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.14	
26 09 23 00-0424 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	46.95	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.14	
26 09 23 00-0425 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	42.54	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.14	
26 09 23 00-0426 EA 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	57.25	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.14	
26 09 23 00-0427 EA 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	94.03	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.14	
For Low Temp/High Humidity Option, Add	6.69	
26 09 23 00-0428 EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	94.03	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.14	
For Low Temp/High Humidity Option, Add	6.69	
26 09 23 00-0429 EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	94.03	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.14	
For Low Temp/High Humidity Option, Add	6.69	
26 09 23 00-0430 Occupancy Sensor Accessories (Sensor Switch) (26 09 23 00-0310)		
26 09 23 00-0431 Remove And Reinstall Occupancy Sensors (26 09 23 00-0430)		
26 09 23 00-0432 EA Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor.....	15.36	
Note: Includes storing and cleaning.		
26 09 23 00-0433 EA Removal And Reinstallation Of Surface Mounted Occupancy Sensor.....	34.55	
Note: Includes storing and cleaning.		
26 09 23 00-0434 Daylighting Control (Sensor Switch) (26 09 23 00-0310)		
26 09 23 00-0435 EA Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	96.59	11.51
For Low Temp/High Humidity Option, Add	6.69	
For Dual Zone Option, Add	20.06	
26 09 23 00-0436 EA Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	96.59	11.51
For Low Temp/High Humidity Option, Add	6.69	
For Dual Zone Option, Add	20.06	
26 09 23 00-0437 EA Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	96.59	11.51
For Low Temp/High Humidity Option, Add	6.69	
For Dual Zone Option, Add	20.06	
26 09 23 00-0438 EA Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	96.59	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
For 480 Volt AC Option, Add	9.36	
For Dual Zone Option, Add	20.06	
26 09 23 00-0439 EA Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	96.59	11.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
For Low Temp/High Humidity Option, Add	6.69	
For 480 Volt AC Option, Add	9.36	
For Dual Zone Option, Add	20.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0440 EA Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For Low Temp/High Humidity Option, Add</i> <i>For 480 Volt AC Option, Add</i> <i>For Dual Zone Option, Add</i>	96.59 6.91 6.69 9.36 20.06	11.51
26 09 23 00-0441 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	96.59 6.69 20.06	11.51
26 09 23 00-0442 EA Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	96.59 6.69 20.06	11.51
26 09 23 00-0443 EA Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	96.59 6.69 20.06	11.51
26 09 23 00-0444 EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	96.59 6.91 6.69 20.06	11.51
26 09 23 00-0445 EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	96.59 6.91 6.69 20.06	11.51
26 09 23 00-0446 EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	96.59 6.91 6.69 20.06	11.51
26 09 23 00-0447 EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	140.73 6.69 20.06	11.51
26 09 23 00-0448 EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	140.73 6.69 20.06	11.51
26 09 23 00-0449 EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	140.73 6.69 20.06	11.51
26 09 23 00-0450 EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	140.73 6.91 6.69 20.06	11.51
26 09 23 00-0451 EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	140.73 6.91 6.69 20.06	11.51
26 09 23 00-0452 EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For Low Temp/High Humidity Option, Add</i> <i>For Dual Zone Option, Add</i>	140.73 6.91 6.69 20.06	11.51
26 09 23 00-0453 Occupancy Sensors (Sensor Switch nLight®) (26 09 23) Note: Includes testing of new devices and certification.		
26 09 23 00-0454 Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0453) Note: Excludes boxes.		
26 09 23 00-0455 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0454)		
26 09 23 00-0456 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0455) Note: Includes passive infrared and microphonics detection		
26 09 23 00-0457 EA Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	182.92	5.12
26 09 23 00-0458 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0454)		
26 09 23 00-0459 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0458) Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0460 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	212.80	11.51
26 09 23 00-0461 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	212.80	11.51
26 09 23 00-0462 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	212.80	11.51
26 09 23 00-0463 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0458) Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0464 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	250.76	11.51
26 09 23 00-0465 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	250.76	11.51

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0466	EA		2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	260.23	11.51
26 09 23 00-0467			Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0467)		
26 09 23 00-0468			Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0467)		
26 09 23 00-0469	EA		Note: Includes passive infrared and microphonics detection Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	250.76	11.51
26 09 23 00-0470			High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0454)		
26 09 23 00-0471			Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0470)		
26 09 23 00-0472	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	212.80	11.51
26 09 23 00-0473			Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0453)		
26 09 23 00-0474	EA		150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	67.91	10.23
26 09 23 00-0475	EA		250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	86.91	10.23
26 09 23 00-0476	EA		30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	119.15	10.23
26 09 23 00-0477	EA		System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	119.15	10.23
26 09 23 00-0478			Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0453)		
26 09 23 00-0479	EA		RS232 AV Integrator (Sensor Switch nLight® nIO X)	260.23	11.51
26 09 23 00-0480	EA		8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	355.14	11.51
26 09 23 00-0481			Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0453)		
26 09 23 00-0482	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	174.85	11.51
26 09 23 00-0483			Controls (Sensor Switch nLight®) (26 09 23 00-0453)		
26 09 23 00-0484	EA		On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	112.23	11.51
26 09 23 00-0485	EA		1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	165.37	11.51
26 09 23 00-0486	EA		On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	393.09	11.51
26 09 23 00-0487	EA		3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	393.09	11.51
26 09 23 00-0488	EA		3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	1,493.76	11.51
26 09 23 00-0489			Occupancy Sensors (Lutron) (26 09 23)		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0490			Wireless Occupancy Sensors (26 09 23 00-0489)		
26 09 23 00-0491	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	81.48	11.51
26 09 23 00-0492	EA		Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH).....	82.41	11.51
26 09 23 00-0493	EA		Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	87.60	11.51
26 09 23 00-0494	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH).....	83.58	11.51
26 09 23 00-0495	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	87.60	11.51
26 09 23 00-0496	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH).....	81.48	11.51
26 09 23 00-0497	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	83.58	11.51
26 09 23 00-0498	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	82.41	11.51
26 09 23 00-0499	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	131.32	11.51
26 09 23 00-0500	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	140.64	11.51
26 09 23 00-0501	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	161.60	11.51
26 09 23 00-0502	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	170.92	11.51
26 09 23 00-0503	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	175.58	11.51
26 09 23 00-0504	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	184.89	11.51
26 09 23 00-0505	EA		Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	101.98	11.51
26 09 23 00-0506	EA		Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	108.03	11.51
26 09 23 00-0507	EA		Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	127.83	11.51
26 09 23 00-0508	EA		Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	142.97	11.51
26 09 23 00-0509	EA		Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	154.61	11.51
26 09 23 00-0510	EA		Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	132.49	11.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0511

Nodes And Modules (26 09 23 00-0489)

26 09 23 00-0512	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	137.14	11.51
26 09 23 00-0513	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	137.14	11.51
26 09 23 00-0514	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	175.58	11.51
26 09 23 00-0515	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	175.58	11.51
26 09 23 00-0516	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	225.88	12.79
26 09 23 00-0517	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	225.88	12.79
26 09 23 00-0518	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	275.96	12.79
26 09 23 00-0519	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	282.95	12.79
26 09 23 00-0520	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	351.65	12.79
26 09 23 00-0521	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	373.78	12.79
26 09 23 00-0522	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	395.91	12.79
26 09 23 00-0523	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	1,080.31	20.47
26 09 23 00-0524	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,059.22	23.03
26 09 23 00-0525	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	1,559.27	25.59

26 09 23 00-0526

Other Accessories (26 09 23 00-0489)

26 09 23 00-0527	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	18.71	
26 09 23 00-0528	EA	Pico® Wireless Control (Lutron® PJ)	29.09	
26 09 23 00-0529	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	83.55	
26 09 23 00-0530	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	163.90	
26 09 23 00-0531	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	168.86	11.51
26 09 23 00-0532	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	216.05	11.51
26 09 23 00-0533	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	216.05	11.51
26 09 23 00-0534	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	358.64	12.79
26 09 23 00-0535	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	494.89	12.79
26 09 23 00-0536	EA	Control Interface (Lutron® QSE-CI-NWK-E)	598.31	11.51
26 09 23 00-0537	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	593.66	11.51
26 09 23 00-0538	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	797.46	11.51
26 09 23 00-0539	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	1,063.89	357.27
26 09 23 00-0540	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	1,529.72	357.27

26 09 23 00-0541

Fixture Mounted Occupancy Sensors (Leviton) (26 09 23)

Note: Includes testing of new devices and certification.

26 09 23 00-0542	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	77.75	11.51
26 09 23 00-0543	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W)	67.04	11.51
26 09 23 00-0544	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	86.60	11.51
26 09 23 00-0545	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	67.04	11.51

26 09 23 00-0546

Wireless Enabled Communication Devices For Streetlights (26 09 23)

Note: Includes testing of new devices and certification.

26 09 23 00-0547

Wireless Enabled Communication Devices For Streetlights (Roam®) (26 09 23 00-0546)

26 09 23 00-0548

Wireless Enabled Communication Nodes For Streetlights (Roam®) (26 09 23 00-0547)

Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.

26 09 23 00-0549	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	185.88	
26 09 23 00-0550	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	261.79	

26 09 23 00-0551

Wireless Enabled Communication Devices For Streetlights (Roam®) (26 09 23 00-0547)

26 09 23 00-0552	EA	Retrofit Receptacle Kit (Roam® DUR103)	28.38	
Note: For adapting light fixtures for use with a NEMA locking type photocontrol.				
26 09 23 00-0553	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	7,651.15	30.15

26 09 23 00-0554

Consoles (26 09 23)

26 09 23 00-0555	EA	20" x 24" Type 12, Oil Tight Consolelets, Counter Mounted (Schaefer's SPCL-20C24)	330.39	63.80
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26 09 23 00-0556

Emergency Lighting Controls (26 09 23)

26 09 23 00-0557

Emergency Lighting Control Units (Watt Stopper ELCU) (26 09 23 00-0556)

Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.

26 09 23 00-0558	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	157.06	12.79
26 09 23 00-0559	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	157.06	12.79

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 09 23 00-0560	Emergency Shunt Relays (Lighting Control & Design GR 2001™) <small>(26 09 23 00-0560)</small>		
	Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0561	EA 1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	207.26	17.91
26 09 23 00-0562	EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	285.76	20.47
26 09 23 00-0563	EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	388.91	23.03
	Note: Controls normal and emergency lighting from single-pole wall switch.		
26 09 23 00-0564	Photocells <small>(26 09 23)</small>		
26 09 23 00-0565	EA Plug-In Photocell For Lighting Fixtures.....	44.76	
26 09 23 00-0566	EA Wired Photocell For Lighting Fixtures.....	93.83	

26 10 Medium-Voltage Electrical Distribution (26)**26 11 Substations** (26 10)**26 11 13 Primary Unit Substations** (26 11)

26 11 13 00-0001	"Switchyard" Substation Primary Incoming Section <small>(26 11 13)</small>		
26 11 13 00-0002	Outdoor Oil Circuit Breakers "Switchyard" <small>(26 11 13 00-0001)</small>		
	Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003	EA 14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	34,703.07	893.30
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	545.18	
26 11 13 00-0004	EA 23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	42,556.69	1,129.76
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	681.47	
26 11 13 00-0005	EA 34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	48,311.70	1,129.76
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	681.47	
26 11 13 00-0006	EA 46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	55,616.17	1,129.76
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	726.90	
26 11 13 00-0007	EA 69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	63,081.37	1,392.50
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	838.73	
26 11 13 00-0008	Accessories For Outdoor Oil Circuit Breakers <small>(26 11 13 00-0001)</small>		
26 11 13 00-0009	EA Reclosure Relay, Adjustable, 3 Shot, #179.....	904.22	93.32
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.26	
26 11 13 00-0010	EA Overcurrent Relay, 1 Phase, #51/51N.....	264.08	67.66
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.86	
26 11 13 00-0011	EA Directional Overcurrent Relay, Three-Phase, Device No. 67.....	406.47	67.66
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.92	
26 11 13 00-0012	EA Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase.....	320.85	67.66
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.86	
26 11 13 00-0013	EA Differential Relay Package, Complete, Device No. 87.....	1,200.06	228.64
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.06	
26 11 13 00-0014	"Switchyard", Substation Transformer Section <small>(26 11 13)</small>		
	Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
26 11 13 00-0015	14.4 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0016	EA 1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	19,730.47	893.30
	For 50 Hz Operation, Add	2,149.59	
	For Forced Air Cooling, Add	2,149.59	
	For External Control Panel, Add	537.40	
	For Internally Mounted Current Transformers And Linear Couplers, Add	179.13	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	895.66	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	2,239.15	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	2,686.98	
26 11 13 00-0017	EA 2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	22,494.83	1,119.25
	For 50 Hz Operation, Add	2,426.79	
	For Forced Air Cooling, Add	2,426.79	
	For External Control Panel, Add	606.70	
	For Internally Mounted Current Transformers And Linear Couplers, Add	202.23	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,011.16	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	2,527.91	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,033.49	
26 11 13 00-0018	EA 5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	34,699.05	1,576.41
	For 50 Hz Operation, Add	3,776.21	
	For Forced Air Cooling, Add	3,776.21	
	For External Control Panel, Add	944.05	
	For Internally Mounted Current Transformers And Linear Couplers, Add	314.68	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,573.42	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,933.55	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,720.26	
26 11 13 00-0019	EA 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	50,634.70	1,962.12
	For 50 Hz Operation, Add	5,568.32	
	For Forced Air Cooling, Add	5,568.32	
	For External Control Panel, Add	1,392.08	
	For Internally Mounted Current Transformers And Linear Couplers, Add	464.03	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,320.13	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,800.34	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,960.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0020	EA		10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For Forced Air Cooling, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	62,360.03 6,848.40 6,848.40 1,712.10 570.70 2,853.50 7,133.75 8,560.50	2,539.21
26 11 13 00-0021			23 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0022	EA		1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	21,976.55 2,364.60 591.15 197.05 985.25 2,463.12 2,955.75 1,576.40	1,208.58
26 11 13 00-0023	EA		2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	25,040.75 2,675.73 668.93 222.98 1,114.89 2,787.22 3,344.66 1,783.82	1,208.58
26 11 13 00-0024	EA		5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	40,436.53 4,416.24 1,104.06 368.02 1,840.10 4,600.25 5,520.30 2,944.16	1,786.60
26 11 13 00-0025	EA		7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	54,359.55 5,888.34 1,472.09 490.70 2,453.48 6,133.69 7,360.43 3,925.56	2,539.21
26 11 13 00-0026	EA		10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	67,693.69 7,488.44 1,872.11 624.04 3,120.18 7,800.46 9,360.55 4,992.29	2,539.21
26 11 13 00-0027			34.5 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0028	EA		1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	27,633.50 2,986.86 746.71 248.90 1,244.52 3,111.31 3,733.57 1,991.24	1,445.05
26 11 13 00-0029	EA		2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	33,380.07 3,609.12 902.28 300.76 1,503.80 3,759.50 4,511.40 2,406.08	2,259.53
26 11 13 00-0030	EA		5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	46,145.73 4,992.31 1,248.08 416.03 2,080.13 5,200.33 6,240.39 3,328.21	2,259.53
26 11 13 00-0031	EA		7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	59,693.17 6,528.38 1,632.09 544.03 2,720.16 6,800.39 8,160.47 4,352.25	2,481.50

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	103,843.65	3,174.01
For 50 Hz Operation, Add	11,648.69	
For External Control Panel, Add	2,912.17	
For Internally Mounted Current Transformers And Linear Couplers, Add	970.72	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,853.62	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,134.05	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,560.86	
For Forced Air Cooling, Add	7,765.79	
26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	42,679.31	1,681.50
For 50 Hz Operation, Add	4,725.03	
For External Control Panel, Add	1,181.26	
For Internally Mounted Current Transformers And Linear Couplers, Add	393.75	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,968.76	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,921.90	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,906.28	
For Forced Air Cooling, Add	3,150.02	
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	48,274.79	1,681.50
For 50 Hz Operation, Add	5,356.83	
For External Control Panel, Add	1,339.21	
For Internally Mounted Current Transformers And Linear Couplers, Add	446.40	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,232.01	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,580.04	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,696.04	
For Forced Air Cooling, Add	3,571.22	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	67,037.66	2,259.53
For 50 Hz Operation, Add	7,499.34	
For External Control Panel, Add	1,874.84	
For Internally Mounted Current Transformers And Linear Couplers, Add	624.95	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,124.73	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,811.82	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,374.18	
For Forced Air Cooling, Add	4,999.56	
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	81,865.73	3,174.01
For 50 Hz Operation, Add	9,011.34	
For External Control Panel, Add	2,252.84	
For Internally Mounted Current Transformers And Linear Couplers, Add	750.95	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,754.73	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,386.81	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,264.18	
For Forced Air Cooling, Add	6,007.56	
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	117,210.82	3,174.01
For 50 Hz Operation, Add	13,252.75	
For External Control Panel, Add	3,313.19	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,104.40	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,521.98	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,804.95	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	16,565.94	
For Forced Air Cooling, Add	8,835.17	
26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	61,813.55	1,786.60
For 50 Hz Operation, Add	6,981.49	
For External Control Panel, Add	1,745.37	
For Internally Mounted Current Transformers And Linear Couplers, Add	581.79	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,908.95	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,272.38	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,726.86	
For Forced Air Cooling, Add	4,654.32	
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	70,871.07	2,259.53
For 50 Hz Operation, Add	7,959.35	
For External Control Panel, Add	1,989.84	
For Internally Mounted Current Transformers And Linear Couplers, Add	663.28	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,316.40	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,290.99	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,949.19	
For Forced Air Cooling, Add	5,306.24	
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	97,969.44	2,259.53
For 50 Hz Operation, Add	11,211.16	
For External Control Panel, Add	2,802.79	
For Internally Mounted Current Transformers And Linear Couplers, Add	934.26	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,671.32	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,678.29	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,013.95	
For Forced Air Cooling, Add	7,474.10	
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	103,455.82	3,174.01
For 50 Hz Operation, Add	11,602.15	
For External Control Panel, Add	2,900.54	
For Internally Mounted Current Transformers And Linear Couplers, Add	966.85	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,834.23	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,085.57	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,502.69	
For Forced Air Cooling, Add	7,734.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	136,094.57 15,518.80 3,879.70 1,293.23 6,466.17 16,165.42 19,398.50 10,345.87	3,174.01
26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV <small>(26 11 13)</small>		
26 11 13 00-0046 EA 1,200 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	37,519.70	468.21
26 11 13 00-0047 EA 1,200 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	41,220.41	468.21
26 11 13 00-0048 EA 1,200 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	46,903.13	581.59
26 11 13 00-0049 EA 2,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	43,770.93	699.33
26 11 13 00-0050 EA 2,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	49,361.63	699.33
26 11 13 00-0051 EA 2,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	56,306.01	812.47
26 11 13 00-0052 EA 3,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	57,994.40	928.25
26 11 13 00-0053 EA 3,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	64,955.13	928.25
26 11 13 00-0054 EA 3,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	68,042.58	1,042.42
26 11 16 Secondary Unit Substations <small>(26 11)</small>		
26 11 16 00-0001 Substation Primary Incoming Section <small>(26 11 16)</small>		
26 11 16 00-0002 Manual Transferring Fused Load Break Switches <small>(26 11 16 00-0001)</small> Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 00-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	21,775.60	687.55
26 11 16 00-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position	25,187.61	687.55
26 11 16 00-0005 Automatic Transferring Fused Load Break Switches <small>(26 11 16 00-0001)</small> Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 00-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	30,862.53	687.55
26 11 16 00-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	33,083.08	687.55
26 11 16 00-0008 Accessories For Substation Fused Load Break Switches <small>(26 11 16 00-0001)</small>		
26 11 16 00-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section.....	5,486.48	
26 11 16 00-0010 EA Key Interlock Accessories, Secondary Distribution Section.....	534.04	
26 11 16 00-0011 Oil Filled Substation Transformers <small>(26 11 16)</small> Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 00-0012 Substation, Primary 13.8 KV Secondary 480Y/277 V Or 480 V 60 HZ <small>(26 11 16 00-0011)</small>		
26 11 16 00-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	9,806.61 634.97 272.13 90.71	367.83
26 11 16 00-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	14,336.87 948.41 406.46 135.49	394.11
26 11 16 00-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	16,196.58 1,074.91 460.67 153.56	420.38
26 11 16 00-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	18,988.42 1,266.66 542.85 180.95	446.65
26 11 16 00-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	20,943.86 1,399.86 599.94 199.98	472.93
26 11 16 00-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	22,108.74 1,477.72 633.31 211.10	499.20
26 11 16 00-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	25,672.67 1,723.52 738.65 246.22	525.47
26 11 16 00-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	27,360.95 1,832.50 785.36 261.79	591.15
26 11 16 00-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	30,563.67 2,051.18 879.08 293.03	630.56

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations



MINOR		TOTAL DIRECT DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 11 16 00-0022	EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	35,403.33 2,382.60 1,021.11 340.37	683.11
26 11 16 00-0023	EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	38,874.17 2,618.20 1,122.09 374.03	735.66
26 11 16 00-0024	Substation, Primary 13.8 KV Secondary 208Y/120 V 60 HZ <small>(26 11 16 00-0011)</small>		
26 11 16 00-0025	EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	9,354.07 603.29 258.55 86.18	367.83
26 11 16 00-0026	EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	14,190.13 938.14 402.06 134.02	394.11
26 11 16 00-0027	EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	16,186.56 1,074.21 460.37 153.46	420.38
26 11 16 00-0028	EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	19,005.65 1,267.86 543.37 181.12	446.65
26 11 16 00-0029	EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	22,702.32 1,522.95 652.69 217.56	472.93
26 11 16 00-0030	EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	24,298.34 1,631.00 699.00 233.00	499.20
26 11 16 00-0031	EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	26,683.74 1,794.30 768.98 256.33	525.47
26 11 16 00-0032	EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	29,102.61 1,954.42 837.61 279.20	591.15
26 11 16 00-0033	EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	32,815.90 2,208.83 946.64 315.55	630.56
26 11 16 00-0034	Accessories For Oil Filled Substation Transformers <small>(26 11 16 00-0011)</small>		
26 11 16 00-0035	EA Sudden Pressure Relay	2,749.37	
26 11 16 00-0036	EA Throats Or Flanges (HV Or LV)	5,458.43	
26 11 16 00-0037	EA Lightning Arrestors (3 - 1 Pole)	3,594.17	
26 11 16 00-0038	EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close Fuse Type - CLE (80E To 125 X).....	19,945.82	
26 11 16 00-0039	EA Oil Fuse Cutout, 15 KV, 200 Amp, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	18,661.30	
26 11 16 00-0040	Reinforced Concrete Curb With 6" Slab <small>(26 11 16 00-0011)</small>		
	Note: For transformer liquid containment area.		
26 11 16 00-0041	EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	2,268.41	432.87
26 11 16 00-0042	EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	2,268.41	432.87
26 11 16 00-0043	EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	2,268.41	432.87
26 11 16 00-0044	EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	2,268.41	432.87
26 11 16 00-0045	EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	2,268.41	432.87
26 11 16 00-0046	EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	2,268.41	432.87
26 11 16 00-0047	EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	2,268.41	432.87
26 11 16 00-0048	EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid	2,754.83	499.10
26 11 16 00-0049	Dry Type Substation Transformer <small>(26 11 16)</small>		
	Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 00-0050	Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 V <small>(26 11 16 00-0049)</small>		
	Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 00-0051	EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,214.55 9,824.28 -409.35 3,686.31	420.38
26 11 16 00-0052	EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,267.10 9,824.28 -409.35 3,691.57	446.65
26 11 16 00-0053	EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	17,638.02 9,952.25 -414.68 3,754.25	525.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	19,467.83 10,987.07 -457.79 4,144.20	578.01
26 11 16 00-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,605.93 12,143.82 -505.99 4,589.36	683.11
26 11 16 00-0056 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	25,032.09 14,073.41 -586.39 5,317.89	788.20
26 11 16 00-0057 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	29,062.12 16,302.26 -679.26 6,166.66	945.85
26 11 16 00-0058 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	34,354.07 19,351.31 -806.30 7,305.67	1,050.94
26 11 16 00-0059 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	44,526.96 25,391.99 -1,058.00 9,531.09	1,103.49
26 11 16 00-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 V <small>(26 11 16 00-0049)</small> Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 00-0061 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	16,633.49 9,475.64 -394.82 3,558.48	420.38
26 11 16 00-0062 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	17,267.10 9,824.28 -409.35 3,691.57	446.65
26 11 16 00-0063 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	17,638.02 9,952.25 -414.68 3,754.25	525.47
26 11 16 00-0064 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	19,467.83 10,987.07 -457.79 4,144.20	578.01
26 11 16 00-0065 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,605.93 12,143.82 -505.99 4,589.36	683.11
26 11 16 00-0066 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	25,032.09 14,073.41 -586.39 5,317.89	788.20
26 11 16 00-0067 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	29,062.12 16,302.26 -679.26 6,166.66	945.85
26 11 16 00-0068 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	34,354.07 19,351.31 -806.30 7,305.67	1,050.94
26 11 16 00-0069 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	44,526.96 25,391.99 -1,058.00 9,531.09	1,103.49
26 11 16 00-0070 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	48,874.12 27,937.23 -1,164.05 10,474.86	1,156.04
26 11 16 00-0071 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	54,549.67 31,279.50 -1,303.31 11,710.87	1,208.58
26 11 16 00-0072 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	62,876.92 36,212.80 -1,508.87 13,530.25	1,261.13
26 11 16 00-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 V Or 240 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0074 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	18,522.08 10,545.74 -439.41 3,961.36	472.93
26 11 16 00-0075 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	19,152.32 10,892.36 -453.85 4,093.70	499.20

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0076 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	20,493.92	578.01
For Gas Filled Transformers, Add	11,602.73	
For Single Phase Transformers, Deduct	-483.45	
For Dry Type Unit, Add	4,369.94	
26 11 16 00-0077 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	21,640.21	630.56
For Gas Filled Transformers, Add	12,227.45	
For Single Phase Transformers, Deduct	-509.48	
For Dry Type Unit, Add	4,609.51	
26 11 16 00-0078 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	24,678.45	735.66
For Gas Filled Transformers, Add	13,924.28	
For Single Phase Transformers, Deduct	-580.18	
For Dry Type Unit, Add	5,252.70	
26 11 16 00-0079 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	27,352.26	840.75
For Gas Filled Transformers, Add	15,402.46	
For Single Phase Transformers, Deduct	-641.77	
For Dry Type Unit, Add	5,815.72	
26 11 16 00-0080 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	31,941.53	998.39
For Gas Filled Transformers, Add	17,966.84	
For Single Phase Transformers, Deduct	-748.62	
For Dry Type Unit, Add	6,787.52	
26 11 16 00-0081 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	38,692.85	1,103.49
For Gas Filled Transformers, Add	21,891.52	
For Single Phase Transformers, Deduct	-912.15	
For Dry Type Unit, Add	8,247.59	
26 11 16 00-0082 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	46,744.69	1,156.04
For Gas Filled Transformers, Add	26,659.57	
For Single Phase Transformers, Deduct	-1,110.82	
For Dry Type Unit, Add	10,006.38	
26 11 16 00-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 V Or 480 V (26 11 16 00-0049)		
26 11 16 00-0084 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	18,522.08	472.93
For Gas Filled Transformers, Add	10,545.74	
For Single Phase Transformers, Deduct	-439.41	
For Dry Type Unit, Add	3,961.36	
26 11 16 00-0085 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	19,152.32	499.20
For Gas Filled Transformers, Add	10,892.36	
For Single Phase Transformers, Deduct	-453.85	
For Dry Type Unit, Add	4,093.70	
26 11 16 00-0086 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	20,493.92	578.01
For Gas Filled Transformers, Add	11,602.73	
For Single Phase Transformers, Deduct	-483.45	
For Dry Type Unit, Add	4,369.94	
26 11 16 00-0087 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	21,640.21	630.56
For Gas Filled Transformers, Add	12,227.45	
For Single Phase Transformers, Deduct	-509.48	
For Dry Type Unit, Add	4,609.51	
26 11 16 00-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,678.45	735.66
For Gas Filled Transformers, Add	13,924.28	
For Single Phase Transformers, Deduct	-580.18	
For Dry Type Unit, Add	5,252.70	
26 11 16 00-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	23,993.53	840.75
For Gas Filled Transformers, Add	13,387.22	
For Single Phase Transformers, Deduct	-557.80	
For Dry Type Unit, Add	5,076.80	
26 11 16 00-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	25,041.40	998.39
For Gas Filled Transformers, Add	13,826.77	
For Single Phase Transformers, Deduct	-576.12	
For Dry Type Unit, Add	5,269.49	
26 11 16 00-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	30,787.27	1,103.49
For Gas Filled Transformers, Add	17,148.17	
For Single Phase Transformers, Deduct	-714.51	
For Dry Type Unit, Add	6,508.36	
26 11 16 00-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	36,498.02	1,156.04
For Gas Filled Transformers, Add	20,511.57	
For Single Phase Transformers, Deduct	-854.65	
For Dry Type Unit, Add	7,752.12	
26 11 16 00-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	40,793.75	1,208.58
For Gas Filled Transformers, Add	23,025.95	
For Single Phase Transformers, Deduct	-959.41	
For Dry Type Unit, Add	8,684.56	
26 11 16 00-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	47,880.63	1,261.13
For Gas Filled Transformers, Add	27,215.03	
For Single Phase Transformers, Deduct	-1,133.96	
For Dry Type Unit, Add	10,231.07	
26 11 16 00-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	58,699.45	1,313.68
For Gas Filled Transformers, Add	33,643.26	
For Single Phase Transformers, Deduct	-1,401.80	
For Dry Type Unit, Add	12,598.60	
26 11 16 00-0096 Substation Secondary Distribution Section (26 11 16)		
Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 11 16 00-0097 Switchgear Compartment Complete With Air Circuit Breaker (26 11 16 00-0096)		
Note: With solid state long - time and instantaneous trips.		
26 11 16 00-0098 EA 800 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	9,246.16	461.03
26 11 16 00-0099 EA 1,600 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	14,515.28	697.03
26 11 16 00-0100 EA 2,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	19,645.47	856.20
26 11 16 00-0101 EA 3,200 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	32,863.47	993.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0102 EA 4,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	42,305.43	1,130.61
26 11 16 00-0103 Switchgear Compartment Without Circuit Breaker (26 11 16 00-0096)		
26 11 16 00-0104 EA 800 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,088.93	139.96
26 11 16 00-0105 EA 1,600 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,724.93	139.96
26 11 16 00-0106 EA 2,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,182.40	205.81
26 11 16 00-0107 EA 3,200 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,875.27	205.81
26 11 16 00-0108 EA 4,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,857.25	301.87
26 11 16 00-0109 Switchgear Compartment, Blank, Use As Filler Or Metering (26 11 16 00-0096)		
Note: No provisions for future breaker.		
26 11 16 00-0110 EA 600 Thru 2,000 Amp, Blank Section Filler, Secondary Distribution Section.....	2,200.85	156.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.44	
26 11 16 00-0111 EA 3,000 Amp, Blank Section Filler, Secondary Distribution Section.....	2,758.19	156.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	104.99	
26 11 16 00-0112 EA 4,000 Amp, Blank Section Filler, Secondary Distribution Section.....	3,591.46	241.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	150.93	
26 11 16 00-0113 Accessories For Substation Secondary Distribution (26 11 16 00-0096)		
26 11 16 00-0114 EA Short Time Delay Accessories, Secondary Distribution Section.....	1,205.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.00	
26 11 16 00-0115 EA Key Interlock Accessories, Secondary Distribution Section.....	938.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.00	
26 11 16 00-0116 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section.....	2,968.44	46.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.00	
26 11 16 00-0117 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section.....	2,968.44	46.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.00	
26 11 16 00-0118 EA Wattmeter - Complete Accessories, Secondary Distribution Section.....	3,925.70	46.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.00	
26 11 16 00-0119 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section.....	5,084.48	46.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.00	
26 11 16 00-0120 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section.....	2,203.89	53.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.90	
26 11 16 00-0121 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section.....	6,737.70	787.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	472.58	
26 11 16 00-0122 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	1,346.15	46.66
26 11 16 00-0123 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	1,580.70	46.66
26 11 16 00-0124 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section.....	844.37	23.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.00	
26 11 16 00-0125 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section.....	6,386.01	46.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.00	
26 11 16 00-0126 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	804.07	23.33
26 12 Medium-Voltage Transformers (26 10)		
26 12 13 Liquid-Filled, Medium-Voltage Transformers (26 12)		
26 12 13 00-0001 Removal And Relocation Of Transformers (26 12 13)		
26 12 13 00-0002 EA Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer.....	579.13	
26 12 13 00-0003 EA Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers.....	1,065.76	
26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers (26 12 13)		
Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.		
26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA (26 12 13 00-0004)		
26 12 13 00-0006 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,203.13	227.82
26 12 13 00-0007 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,457.31	284.77
26 12 13 00-0008 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,706.51	341.72
26 12 13 00-0009 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,191.78	427.15
26 12 13 00-0010 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,607.80	512.59
26 12 13 00-0011 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,482.25	598.02
26 12 13 00-0012 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,130.41	711.92
26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA (26 12 13 00-0004)		
26 12 13 00-0014 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,203.13	227.82
26 12 13 00-0015 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,477.83	284.77
26 12 13 00-0016 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,706.51	341.72
26 12 13 00-0017 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,191.78	427.15
26 12 13 00-0018 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,607.80	512.59
26 12 13 00-0019 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,271.26	598.02
26 12 13 00-0020 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,023.27	711.92
26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0004)		
26 12 13 00-0022 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,179.19	227.82
26 12 13 00-0023 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,392.31	284.77

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 12 Medium-Voltage Transformers



MINOR	TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST

26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,642.23	341.72
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,176.94	427.15
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,545.16	512.59
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,310.82	598.02
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,033.16	711.92

26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0004)

26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,290.37	227.82
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,506.91	284.77
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,942.48	341.72
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,444.22	427.15
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,844.79	512.59
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,641.50	598.02
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,748.51	711.92

26 12 13 00-0037 Transformer Platforms (26 12 13 00-0004)

26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA.....	2,635.74	384.72
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26 12 13 00-0039 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN (26 12 13 00-0004)

26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,847.39	455.63
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,054.83	512.59
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,398.66	569.54
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,183.95	797.36
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,641.50	911.26
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,837.74	1,139.08
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,835.22	1,252.99
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,664.80	1,594.71
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,312.64	1,822.53
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,227.40	2,278.16
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	14,356.92	2,847.70

26 12 13 00-0051 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL (26 12 13 00-0004)

26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,203.13	278.96
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,457.31	348.67
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,706.28	417.98
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,192.33	523.80
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,607.28	627.46
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,481.54	730.78
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,130.41	871.74

26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN (26 12 13 00-0004)

26 12 13 00-0060	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,203.13	278.96
26 12 13 00-0061	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,477.83	348.67
26 12 13 00-0062	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,706.28	417.98
26 12 13 00-0063	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,192.33	523.80
26 12 13 00-0064	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,607.28	627.46
26 12 13 00-0065	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,270.55	730.78
26 12 13 00-0066	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,023.27	871.74

26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y (26 12 13 00-0004)

26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0067)

26 12 13 00-0069	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,023.22	227.82
26 12 13 00-0070	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,236.65	284.77
26 12 13 00-0071	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,444.64	341.72
26 12 13 00-0072	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,866.30	427.15
26 12 13 00-0073	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,307.78	512.59
26 12 13 00-0074	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,370.69	598.02
26 12 13 00-0075	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,911.90	711.92

26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN (26 12 13 00-0067)

26 12 13 00-0077	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	968.79	227.82
26 12 13 00-0078	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,168.23	284.77
26 12 13 00-0079	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,413.53	341.72
26 12 13 00-0080	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,804.10	427.15
26 12 13 00-0081	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,222.25	512.59
26 12 13 00-0082	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,059.69	598.02
26 12 13 00-0083	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,600.89	711.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0084 3 Phase Oil Filled Distribution Transformers <small>(26 12 13)</small>		
26 12 13 00-0085 Primary 4.16/4.8 KV Ground Y Secondary 120/240 V <small>(26 12 13 00-0084)</small> Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	5,246.25	1,252.99
26 12 13 00-0087 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	6,713.15	1,594.71
26 12 13 00-0088 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	8,137.27	1,708.62
26 12 13 00-0089 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	10,463.75	2,135.77
26 12 13 00-0090 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	15,109.45	2,847.70
26 12 13 00-0091 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	21,135.16	3,274.85
26 12 16 Dry-Type, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 16 00-0001 Removal and Relocation of Transformers <small>(26 12 16)</small>		
26 12 16 00-0002 EA Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	218.07	
26 12 16 00-0003 EA Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer.....	969.20	
26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers <small>(26 12 19)</small> Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small> Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small> Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	2,415.20	262.74
26 12 19 00-0005 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	2,668.02	262.74
26 12 19 00-0006 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,181.32	359.95
26 12 19 00-0007 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,900.87	359.95
26 12 19 00-0008 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,424.85	472.93
26 12 19 00-0009 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,739.54	472.93
26 12 19 00-0010 Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	463.55	
26 12 19 00-0012 EA Loadbreaker Oil Switch, 2 Position Factory Modifications	487.06	
26 12 19 00-0013 EA Loadbreaker Inserts, Factory Modifications.....	535.77	
26 12 19 00-0014 Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small> Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015 Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small> Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	2,988.48	262.74
26 12 19 00-0017 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,393.15	262.74
26 12 19 00-0018 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,676.78	359.95
26 12 19 00-0019 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,544.13	359.95
26 12 19 00-0020 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,093.30	472.93
26 12 19 00-0021 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	6,135.90	472.93
26 12 19 00-0022 EA 250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	9,685.24	656.83
26 12 19 00-0023 Factory Modifications Material Cost Only <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	618.06	
26 12 19 00-0025 EA Lightning Arrestors, Factory Modifications.....	156.60	
26 12 19 00-0026 EA Loadbreaker Oil Switch, 2 Position Factory Modifications	487.06	
26 12 19 00-0027 EA Loop Feed Air Switch, Factory Modifications.....	792.73	
26 12 19 00-0028 EA Loadbreaker Inserts (Two), Factory Modifications.....	211.62	
26 12 19 00-0029 EA Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications.....	183.07	
26 12 19 00-0030 Primary, 12.47 KV Ground Y Or Delta <small>(26 12 19 00-0014)</small> Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031 EA 25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,216.27	262.74

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 12 Medium-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0032 EA 37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,469.53	262.74
26 12 19 00-0033 EA 50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,646.99	359.95
26 12 19 00-0034 EA 75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,362.86	359.95
26 12 19 00-0035 EA 100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,470.51	472.93
26 12 19 00-0036 EA 167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,802.11	472.98
26 12 19 00-0037 EA 250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	8,623.16	656.83
26 12 19 00-0038 Oil Filled Distribution Transformer Single Phase Cluster Mounted (26 12 19 00-0001) Note: Conventional type.		
26 12 19 00-0039 13.8/14.4 KV Ground Y Or Delta Primary 120/240V (26 12 19 00-0038) Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040 EA 10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,198.73	196.45
26 12 19 00-0041 EA 37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,759.32	276.25
26 12 19 00-0042 EA 50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,196.77	442.00
26 12 19 00-0043 EA 100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,321.03	442.00
26 12 19 00-0044 EA 167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,030.17	724.38
26 12 19 00-0045 EA 250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,305.31	724.38
26 12 19 00-0046 Oil Filled Distribution Transformer Single Phase (26 12 19 00-0001)		
26 12 19 00-0047 7.2 KV Primary, 120/240 V Secondary (26 12 19 00-0046)		
26 12 19 00-0048 EA 10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,138.08	208.71
26 12 19 00-0049 EA 15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,336.96	208.71
26 12 19 00-0050 EA 25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,741.96	294.66
26 12 19 00-0051 EA 37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,557.49	294.66
26 12 19 00-0052 EA 50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,100.14	399.02
26 12 19 00-0053 EA 100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,166.14	613.88
26 12 19 00-0054 EA 167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,908.87	613.88
26 12 19 00-0055 EA 250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,118.07	767.35
26 12 19 00-0056 7.2 KV Primary, 240/480 V Secondary (26 12 19 00-0046)		
26 12 19 00-0057 EA 10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,138.08	208.71
26 12 19 00-0058 EA 15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,337.02	208.71
26 12 19 00-0059 EA 25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,741.96	294.66
26 12 19 00-0060 EA 37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,557.49	294.66
26 12 19 00-0061 EA 50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,100.14	399.02
26 12 19 00-0062 EA 75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,262.00	540.21
26 12 19 00-0063 EA 100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,166.14	540.21
26 12 19 00-0064 EA 167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,908.87	681.41
26 12 19 00-0065 EA 250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,118.07	767.35
26 12 19 00-0066 2.4 KV Primary, 277 V Secondary (26 12 19 00-0046)		
26 12 19 00-0067 EA 10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,328.41	208.71
26 12 19 00-0068 EA 15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,544.37	208.71
26 12 19 00-0069 EA 25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,987.88	294.66
26 12 19 00-0070 EA 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,871.63	294.66
26 12 19 00-0071 EA 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,460.52	399.02
26 12 19 00-0072 EA 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,744.58	540.21
26 12 19 00-0073 EA 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,831.25	540.21
26 12 19 00-0074 EA 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,842.40	681.41
26 12 19 00-0075 EA 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,383.59	767.35
26 12 19 00-0076 2.4 KV Primary, 120/240 V Secondary (26 12 19 00-0046)		
26 12 19 00-0077 EA 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,138.08	208.71
26 12 19 00-0078 EA 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,336.96	208.71
26 12 19 00-0079 EA 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,741.96	400.92
26 12 19 00-0080 EA 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,557.49	540.21
26 12 19 00-0081 EA 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,100.14	399.02
26 12 19 00-0082 EA 75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,176.87	540.21
26 12 19 00-0083 EA 100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,164.90	540.21
26 12 19 00-0084 2.4 KV Primary, 240/480 V Secondary (26 12 19 00-0046)		
26 12 19 00-0085 EA 10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,138.08	208.71
26 12 19 00-0086 EA 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,336.96	208.71
26 12 19 00-0087 EA 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,741.96	294.66
26 12 19 00-0088 EA 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,557.49	294.66
26 12 19 00-0089 EA 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,100.14	399.02
26 12 19 00-0090 EA 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,176.87	540.21
26 12 19 00-0091 EA 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,164.90	540.21
26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 V Secondary (26 12 19 00-0046)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0093 EA 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	1,842.20	214.85
26 12 19 00-0094 EA 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,002.74	239.41
26 12 19 00-0095 EA 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,419.43	263.97
26 12 19 00-0096 EA 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,101.84	368.33
26 12 19 00-0097 EA 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,469.80	429.72
26 12 19 00-0098 EA 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,730.52	503.38
26 12 19 00-0099 EA 100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,668.88	577.05
26 12 19 00-0100 EA 167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	8,750.94	736.65
26 12 19 00-0101 EA 250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	11,948.94	828.74

26 13 Medium-Voltage Switchgear (26 10)

26 13 16 Medium-Voltage Fusible Interrupter Switchgear (26 13)

26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section (26 13 16)

Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections (26 13 16 00-0001)

Note: Includes air circuit breaker.

26 13 16 00-0003 EA 1,200 Amp, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	7,916.90	638.43
For Weatherproofing, Add	1,652.19	
26 13 16 00-0004 EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	8,322.60	638.43
For Weatherproofing, Add	1,741.45	
26 13 16 00-0005 EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,379.69	813.39
For Weatherproofing, Add	2,395.83	
26 13 16 00-0006 EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	15,581.50	813.39
For Weatherproofing, Add	3,306.54	
26 13 16 00-0007 EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	22,440.01	982.21
For Weatherproofing, Add	4,799.07	
26 13 16 00-0008 EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,422.90	982.21
For Weatherproofing, Add	4,348.35	

26 13 16 00-0009 7.2 KV Switchgear Sections (26 13 16 00-0001)

Note: Includes air circuit breaker.

26 13 16 00-0010 EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,916.06	736.65
For Weatherproofing, Add	2,522.75	
26 13 16 00-0011 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,609.91	920.82
For Weatherproofing, Add	3,085.14	
26 13 16 00-0012 EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,632.52	1,104.99
For Weatherproofing, Add	4,388.38	

26 13 16 00-0013 13.8 KV Switchgear Sections (26 13 16 00-0001)

Note: Includes air circuit breaker.

26 13 16 00-0014 EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,457.74	736.65
For Weatherproofing, Add	2,413.81	
26 13 16 00-0015 EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	15,840.44	736.65
For Weatherproofing, Add	3,360.34	
26 13 16 00-0016 EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	23,249.25	982.21
For Weatherproofing, Add	4,970.15	
26 13 16 00-0017 EA 2,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,408.32	982.21
For Weatherproofing, Add	3,033.41	
26 13 16 00-0018 EA 2,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	21,052.23	1,227.76
For Weatherproofing, Add	4,477.47	
26 13 16 00-0019 EA 2000 A, 1000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	29,586.43	1,227.76
For Weatherproofing, Add	6,336.44	
26 13 16 00-0020 EA 3,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,237.10	1,227.76
For Weatherproofing, Add	4,293.01	
26 13 16 00-0021 EA 3,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	28,190.19	1,227.76
For Weatherproofing, Add	6,025.00	
26 13 16 00-0022 EA 3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	36,644.73	1,227.76
For Weatherproofing, Add	7,868.28	

26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section (26 13 16 00-0001)

Note: Excludes air circuit breaker element.

26 13 16 00-0024 EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	3,506.60	402.09
For Weatherproofing, Add	715.06	
26 13 16 00-0025 EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,606.47	402.09
For Weatherproofing, Add	957.03	
26 13 16 00-0026 EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,957.54	534.08
For Weatherproofing, Add	1,016.06	
26 13 16 00-0027 EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,143.35	659.92
For Weatherproofing, Add	1,259.13	
26 13 16 00-0028 EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,369.40	659.92
For Weatherproofing, Add	1,748.86	

26 13 16 00-0029 7.2 KV Switchgear Section (26 13 16 00-0001)

Note: Excludes air circuit breaker element.

26 13 16 00-0030 EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,456.76	613.88
For Weatherproofing, Add	916.25	
26 13 16 00-0031 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	5,836.27	613.88
For Weatherproofing, Add	1,201.66	

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 13 Medium-Voltage Switchgear



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 13 16 00-0032	EA	3,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,975.89	613.88
		<i>For Weatherproofing, Add</i>	1,874.53	
26 13 16 00-0033 13.8 KV Switchgear Section (26 13 16 00-0001)				
Note: Excludes air circuit breaker element.				
26 13 16 00-0034	EA	1,200 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,577.86	521.80
		<i>For Weatherproofing, Add</i>	934.42	
26 13 16 00-0035	EA	1,200 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,896.18	521.80
		<i>For Weatherproofing, Add</i>	1,004.45	
26 13 16 00-0036	EA	1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,053.84	644.57
		<i>For Weatherproofing, Add</i>	1,461.19	
26 13 16 00-0037	EA	2,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,210.46	773.49
		<i>For Weatherproofing, Add</i>	1,257.79	
26 13 16 00-0038	EA	2,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,710.49	773.49
		<i>For Weatherproofing, Add</i>	1,587.79	
26 13 16 00-0039	EA	2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,860.08	902.40
		<i>For Weatherproofing, Add</i>	1,822.46	
26 13 16 00-0040	EA	3,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,227.23	1,031.32
		<i>For Weatherproofing, Add</i>	1,665.30	
26 13 16 00-0041	EA	3,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,255.10	1,031.32
		<i>For Weatherproofing, Add</i>	1,891.44	
26 13 16 00-0042	EA	3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,445.96	1,154.09
		<i>For Weatherproofing, Add</i>	2,355.34	
26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections (26 13 16 00-0001)				
26 13 16 00-0044	EA	1,200 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	2,174.70	389.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	233.42	
26 13 16 00-0045	EA	2,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	2,739.59	431.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.02	
26 13 16 00-0046	EA	3,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	3,592.92	519.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	311.61	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	2,098.35	781.04
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	2,866.77	46.66
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	3,838.32	46.66
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,051.63	46.66
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	5,535.90	46.66
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	6,045.91	46.66
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	8,239.65	46.66
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,283.65	46.66
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,454.43	46.66
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,223.37	46.66
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	1,413.35	46.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 13 16 00-0058	EA	AC Ammeter With Switch.....	536.41	46.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	536.41	46.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 13 16 00-0060	EA	Indicating Wattmeter	805.95	46.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 13 16 00-0061	EA	Indicating Varmeter.....	955.49	46.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element.....	589.95	46.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N.....	1,422.58	46.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	2,708.92	46.66
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary.....	355.02	46.66
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses.....	1,798.74	46.66
26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13 19)				
26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)				
26 13 19 00-0002	EA	1,200 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	29,215.68	767.35
26 13 19 00-0003	EA	1,200 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	32,245.78	969.93
26 13 19 00-0004	EA	1,200 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	36,602.29	969.93
26 13 19 00-0005	EA	2,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	33,518.94	767.35
26 13 19 00-0006	EA	2,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	37,742.19	767.35
26 13 19 00-0007	EA	2,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	43,012.35	902.40
26 13 19 00-0008	EA	3,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	44,343.92	1,031.32
26 13 19 00-0009	EA	3,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	48,588.61	1,031.32
26 13 19 00-0010	EA	3,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	53,079.72	1,160.23

26 18 Medium-Voltage Circuit Protection Devices (26 18)

26 18 16 Medium-Voltage Fuses (26 18)

26 18 16 00-0001		Sectionalizing Switch (26 18 16)		
26 18 16 00-0002		Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 16 00-0001)		
		Note: 15 KV - 25 KV.		
26 18 16 00-0003		Sectionalizing Tapping And Fusing Underground Feeders (26 18 16 00-0002)		
		Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 18 16 00-0004	EA		3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	19,602.52	394.11
26 18 16 00-0005	EA		3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	22,038.02	394.11

26 20 Low-Voltage Electrical Distribution ⁽²⁶⁾

26 21 Low-Voltage Electrical Service Entrance ^(26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance ^(26 21)

26 21 13 00-0001			Service Drop Cable And Weatherheads ^(26 21 13)		
26 21 13 00-0002			600 Volt Insulated Stranded Conductors ^(26 21 13 00-0001)		
26 21 13 00-0003			Aluminum Duplex ACSR Neutral ^(26 21 13 00-0002)		
26 21 13 00-0004	LF	#6 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	3.85	1.46	
26 21 13 00-0005	LF	#4 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	4.63	1.73	
26 21 13 00-0006	LF	#2 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	5.39	1.95	
26 21 13 00-0007	LF	#1/0 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	7.09	2.45	

26 21 13 00-0008 Aluminum Triplex ACSR Neutral ^(26 21 13 00-0002)

26 21 13 00-0009	LF	#6 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	4.67	1.73	
26 21 13 00-0010	LF	#4 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	5.33	1.95	
26 21 13 00-0011	LF	#2 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	6.76	2.45	
26 21 13 00-0012	LF	#1/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	8.43	2.99	
26 21 13 00-0013	LF	#2/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.02	3.96	
26 21 13 00-0014	LF	#4/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	13.97	4.91	
26 21 13 00-0015	LF	336 MCM Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	18.22	5.85	

26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral ^(26 21 13 00-0002)

26 21 13 00-0017	LF	#6 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	5.34	1.95	
26 21 13 00-0018	LF	#4 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	6.75	2.45	
26 21 13 00-0019	LF	#2 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	8.71	3.15	
26 21 13 00-0020	LF	#1/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.28	3.96	
26 21 13 00-0021	LF	#2/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	12.56	4.38	
26 21 13 00-0022	LF	#3/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	14.42	4.91	
26 21 13 00-0023	LF	#4/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	17.00	5.85	
26 21 13 00-0024	LF	336 MCM Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	20.71	6.47	

26 21 13 00-0025 Aluminum Triplex For Underground Service, Direct Burial ^(26 21 13 00-0002)

Note: Excludes excavation and backfill.

26 21 13 00-0026	MLF	#6 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	1,771.05	545.68	
26 21 13 00-0027	MLF	#4 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	1,985.21	577.78	
26 21 13 00-0028	MLF	#2 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	2,284.60	613.88	
26 21 13 00-0029	MLF	#1/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	2,605.95	613.88	
26 21 13 00-0030	MLF	#2/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	2,875.21	654.83	
26 21 13 00-0031	MLF	#3/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,395.86	755.56	
26 21 13 00-0032	MLF	#4/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	4,212.83	982.21	

26 21 13 00-0033 Weather Proof Conduit Hubs ^(26 21 13 00-0002)

26 21 13 00-0034	EA	1/2" Weatherproof Conduit Hubs.....	24.28	8.98	
26 21 13 00-0035	EA	3/4" Weatherproof Conduit Hubs.....	27.75	10.21	
26 21 13 00-0036	EA	1" Weatherproof Conduit Hubs.....	32.77	11.43	
26 21 13 00-0037	EA	1-1/4" Weatherproof Conduit Hubs.....	46.52	15.32	
26 21 13 00-0038	EA	1-1/2" Weatherproof Conduit Hubs.....	51.53	16.54	
26 21 13 00-0039	EA	2" Weatherproof Conduit Hubs.....	69.36	19.19	
26 21 13 00-0040	EA	2-1/2" Weatherproof Conduit Hubs.....	95.63	21.64	
26 21 13 00-0041	EA	3" Weatherproof Conduit Hubs.....	126.59	25.52	
26 21 13 00-0042	EA	4" Weatherproof Conduit Hubs.....	216.77	51.04	

26 21 13 00-0043 Service Entrance Cap, Threaded Weatherhead, Galvanized ^(26 21 13 00-0002)

26 21 13 00-0044	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	30.64	8.98	
26 21 13 00-0045	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	35.38	10.21	
26 21 13 00-0046	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	41.17	11.43	
26 21 13 00-0047	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	55.46	15.32	
26 21 13 00-0048	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	64.74	16.54	
26 21 13 00-0049	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	91.69	19.19	
26 21 13 00-0050	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	182.05	21.64	
26 21 13 00-0051	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	204.93	25.52	
26 21 13 00-0052	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	313.24	51.04	

26 21 13 00-0053 Service Entrance Cap, Clamp-On Weatherhead, Aluminum ^(26 21 13 00-0002)

26 21 13 00-0054	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	28.85	8.98	
26 21 13 00-0055	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	32.38	10.21	
26 21 13 00-0056	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	37.11	11.38	
26 21 13 00-0057	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	49.04	15.32	
26 21 13 00-0058	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	56.08	16.54	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 21 Low-Voltage Electrical Service Entrance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 21 13 00-0059	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	66.92	19.19
26 21 13 00-0060	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	135.58	21.64
26 21 13 00-0061	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	181.56	25.52
26 21 13 00-0062	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	249.48	38.28
26 21 13 00-0063	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	285.43	51.04

26 21 13 00-0064 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) ^(26 21 13 00-0002)

26 21 13 00-0065	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	28.09	8.98
26 21 13 00-0066	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	32.42	10.21
26 21 13 00-0067	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	37.46	11.38
26 21 13 00-0068	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	49.58	15.32
26 21 13 00-0069	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	54.56	16.54
26 21 13 00-0070	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	71.34	19.19
26 21 13 00-0071	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	161.69	21.64
26 21 13 00-0072	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	176.04	25.52
26 21 13 00-0073	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	325.12	38.28
26 21 13 00-0074	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	458.32	51.04

26 22 Low-Voltage Transformers ^(26 20)**26 22 13 Low-Voltage Distribution Transformers** ^(26 22)**26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers** ^(26 22 13)

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers ^(26 22 13 00-0001)

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	432.79	133.16
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	573.00	159.79
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	695.32	166.72
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	818.67	173.11
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,113.41	186.42
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,308.58	199.74
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	45.46	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	68.18	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,429.54	213.05
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	50.17	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	75.26	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,414.77	239.69
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	46.77	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	70.16	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,670.83	266.32
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	56.91	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	85.37	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,182.02	319.58
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	77.14	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	115.71	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,741.14	372.85
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	99.77	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	149.66	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	4,268.56	479.37
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	165.49	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	248.24	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	7,450.85	585.90
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	313.95	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	470.93	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	11,461.91	665.79
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	506.52	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	759.77	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers ^(26 22 13 00-0001)

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	495.53	159.79
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	571.18	166.45
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	679.90	173.11
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	787.09	186.42

26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers ^(26 22 13 00-0001)

Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.

26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,308.58	199.74
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,429.54	213.05

26 22 13 00-0025 1 Phase Mounting Brackets ^(26 22 13 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0026 EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	291.30	93.32
26 22 13 00-0027 1 Phase Weathershields (26 22 13 00-0001)		
Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2.....	32.75	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2.....	41.74	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2.....	49.78	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2.....	59.38	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2.....	80.34	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2.....	96.06	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2.....	117.90	
26 22 13 00-0035 Packaged Power Supply (26 22 13 00-0001)		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036 EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers.....	814.36	166.45
26 22 13 00-0037 EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers.....	909.18	173.11
26 22 13 00-0038 EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers.....	984.36	186.42
26 22 13 00-0039 EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers.....	1,193.15	199.74
26 22 13 00-0040 EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers.....	1,609.94	213.05
26 22 13 00-0041 240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade (26 22 13 00-0001)		
26 22 13 00-0042 EA 0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	602.11	119.84
26 22 13 00-0043 EA 1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	829.60	133.16
26 22 13 00-0044 EA 2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	970.19	159.79
26 22 13 00-0045 EA 5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,066.48	166.45
26 22 13 00-0046 EA 7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,193.31	173.11
26 22 13 00-0047 EA 10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,516.88	186.42
26 22 13 00-0048 EA 15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,943.47	199.74
26 22 13 00-0049 1 Phase, 208/600 Volt, Dry General Purpose Transformer (26 22 13 00-0001)		
26 22 13 00-0050 EA 15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,364.70	199.74
26 22 13 00-0051 EA 25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,456.48	213.05
26 22 13 00-0052 EA 30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,555.19	226.37
26 22 13 00-0053 EA 37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,335.57	239.69
26 22 13 00-0054 EA 45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,468.62	253.00
26 22 13 00-0055 EA 50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	4,581.85	266.32
26 22 13 00-0056 3 Phase General Purpose "Dry Type" Transformer (26 22 13)		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057 Packaged Power Supply (26 22 13 00-0056)		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058 EA 15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amp Breakers.....	3,452.91	572.59
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	115.39	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	173.08	
26 22 13 00-0059 EA 22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amp Breakers.....	4,084.85	612.53
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	142.99	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	214.48	
26 22 13 00-0060 EA 30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amp Breakers.....	4,840.51	665.79
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	175.45	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	263.17	
26 22 13 00-0061 Drive Isolation Transformers (26 22 13 00-0056)		
Note: Only use in step-up applications.		
26 22 13 00-0062 230 Volt Drive Isolation Transformers (26 22 13 00-0061)		
26 22 13 00-0063 EA 7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	2,468.62	213.05
26 22 13 00-0064 EA 11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	2,877.27	226.37
26 22 13 00-0065 EA 15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	2,980.30	239.69
26 22 13 00-0066 EA 20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,503.05	253.00
26 22 13 00-0067 EA 27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,634.75	279.63
26 22 13 00-0068 EA 34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,995.66	306.27
26 22 13 00-0069 EA 40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,511.41	332.90
26 22 13 00-0070 EA 51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,242.27	372.85
26 22 13 00-0071 EA 63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,665.17	386.16
26 22 13 00-0072 EA 75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,517.99	399.47
26 22 13 00-0073 EA 93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,157.22	412.79
26 22 13 00-0074 EA 118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,177.97	506.01
26 22 13 00-0075 EA 145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,222.45	532.63
26 22 13 00-0076 EA 175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,686.62	559.27
26 22 13 00-0077 EA 220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,247.79	665.79
26 22 13 00-0078 EA 275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	18,831.24	785.64
26 22 13 00-0079 EA 330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,893.61	865.54
26 22 13 00-0080 EA 440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	24,182.38	958.74
26 22 13 00-0081 EA 550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	29,792.54	1,065.28

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0082			208V Drive Isolation Transformers (26 22 13 00-0061)		
26 22 13 00-0083	EA		7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	2,572.58	213.05
26 22 13 00-0084	EA		11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,000.68	226.37
26 22 13 00-0085	EA		15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,107.60	239.69
26 22 13 00-0086	EA		20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,655.60	253.00
26 22 13 00-0087	EA		27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,791.29	279.63
26 22 13 00-0088	EA		30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,141.23	292.95
26 22 13 00-0089	EA		45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,733.79	346.21
26 22 13 00-0090	EA		51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,471.14	372.85
26 22 13 00-0091	EA		63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,914.22	386.16
26 22 13 00-0092	EA		75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,809.09	399.47
26 22 13 00-0093	EA		93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,530.40	412.79
26 22 13 00-0094	EA		118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,593.62	506.01
26 22 13 00-0095	EA		145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,688.55	532.63
26 22 13 00-0096	EA		175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,224.53	559.27
26 22 13 00-0097	EA		220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,905.22	665.79
26 22 13 00-0098			480 Volt x 208Y/120 Volt, 2 - 2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0099	EA		9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	1,770.31	219.71
26 22 13 00-0100	EA		15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,305.50	239.69
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	91.31	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	136.96	
26 22 13 00-0101			480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0102	EA		30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,591.85	292.95
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	100.30	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	150.45	
			<i>For K4 Factor Rating, Add</i>	1,404.17	
			<i>For K13 Factor Rating, Add</i>	2,005.95	
			<i>For K20 Factor Rating, Add</i>	2,607.74	
26 22 13 00-0103	EA		37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,118.64	319.58
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	123.97	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	185.96	
			<i>For K4 Factor Rating, Add</i>	1,735.63	
			<i>For K13 Factor Rating, Add</i>	2,479.47	
			<i>For K20 Factor Rating, Add</i>	3,223.31	
26 22 13 00-0104	EA		45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,264.27	346.21
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	128.59	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	192.89	
			<i>For K4 Factor Rating, Add</i>	1,800.29	
			<i>For K13 Factor Rating, Add</i>	2,571.84	
			<i>For K20 Factor Rating, Add</i>	3,343.39	
26 22 13 00-0105	EA		50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,260.82	372.85
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	175.76	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	263.63	
			<i>For K4 Factor Rating, Add</i>	2,460.59	
			<i>For K13 Factor Rating, Add</i>	3,515.13	
			<i>For K20 Factor Rating, Add</i>	4,569.67	
26 22 13 00-0106	EA		75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,211.62	399.47
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	170.63	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	255.95	
			<i>For K4 Factor Rating, Add</i>	2,388.86	
			<i>For K13 Factor Rating, Add</i>	3,412.66	
			<i>For K20 Factor Rating, Add</i>	4,436.46	
26 22 13 00-0107	EA		112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,236.91	479.37
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	213.91	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	320.86	
			<i>For K4 Factor Rating, Add</i>	2,994.72	
			<i>For K13 Factor Rating, Add</i>	4,278.17	
			<i>For K20 Factor Rating, Add</i>	5,561.62	
26 22 13 00-0108	EA		150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,770.88	532.63
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	285.28	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	427.92	
			<i>For K4 Factor Rating, Add</i>	3,993.92	
			<i>For K13 Factor Rating, Add</i>	5,705.60	
			<i>For K20 Factor Rating, Add</i>	7,417.28	
26 22 13 00-0109	EA		225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,214.94	665.79
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	394.17	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	591.25	
			<i>For K4 Factor Rating, Add</i>	5,518.35	
			<i>For K13 Factor Rating, Add</i>	7,883.35	
			<i>For K20 Factor Rating, Add</i>	10,248.36	
26 22 13 00-0110	EA		300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	11,236.74	825.58
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	479.28	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	718.92	
			<i>For K4 Factor Rating, Add</i>	6,709.90	
			<i>For K13 Factor Rating, Add</i>	9,585.57	
			<i>For K20 Factor Rating, Add</i>	12,461.24	
26 22 13 00-0111	EA		500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	16,060.53	1,012.01
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	701.83	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,052.74	
			<i>For K4 Factor Rating, Add</i>	9,825.56	
			<i>For K13 Factor Rating, Add</i>	14,036.51	
			<i>For K20 Factor Rating, Add</i>	18,247.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22	13 00-0112	EA	750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	36,688.39 1,711.91 2,567.87 23,966.78 34,238.26 44,509.74	1,208.58
26 22	13 00-0113	EA	1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	48,246.97 2,279.19 3,418.78 31,908.65 45,583.79 59,258.93	1,331.59
26 22	13 00-0114		480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22	13 00-0115	EA	6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	1,450.07 726.10 1,037.28 1,348.46	206.40
26 22	13 00-0116	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	1,770.31 931.62 1,330.88 1,730.14	219.71
26 22	13 00-0117	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	2,305.50 91.31 136.96 1,278.29 1,826.13 2,373.97	239.69
26 22	13 00-0118		480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22	13 00-0119	EA	30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	4,404.31 190.92 286.38 2,672.89 3,818.41 4,963.93	292.95
26 22	13 00-0120	EA	45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	4,941.56 212.46 318.68 2,974.39 4,249.13 5,523.87	346.21
26 22	13 00-0121	EA	75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	7,261.38 323.12 484.68 4,523.69 6,462.42 8,401.15	399.47
26 22	13 00-0122	EA	112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	9,110.17 407.57 611.36 5,706.00 8,151.43 10,596.86	479.37
26 22	13 00-0123	EA	150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	10,960.56 494.76 742.15 6,926.70 9,895.28 12,863.86	532.63
26 22	13 00-0124	EA	225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	14,045.11 635.68 953.51 8,899.46 12,713.52 16,527.58	665.79
26 22	13 00-0125	EA	300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	17,081.29 771.51 1,157.26 10,801.08 15,430.12 20,059.16	825.58
26 22	13 00-0126	EA	500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	27,367.17 1,267.16 1,900.74 17,740.21 25,343.15 32,946.10	1,012.01
26 22	13 00-0127		3 Phase 60 Hz K20 Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22	13 00-0128		3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22	13 00-0129	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,158.70	239.69
26 22	13 00-0130	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,246.04	292.95

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 22 13 00-0131	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	4,743.14	346.21
26 22 13 00-0132	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	6,049.88	399.47
26 22 13 00-0133	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	9,058.55	479.37
26 22 13 00-0134	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	11,005.73	532.63
26 22 13 00-0135	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	12,811.02	665.79
26 22 13 00-0136	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	20,289.92	825.58
26 22 13 00-0137		3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise <small>(26 22 13 00-0127)</small>		
		Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	2,495.85	239.69
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	3,778.39	292.95
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	5,552.96	346.21
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	7,098.45	399.47
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	10,678.19	479.37
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	12,994.79	532.63
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	15,106.58	665.79
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	24,017.99	825.58
26 22 13 00-0146		NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0147		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small>		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0149	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	2,719.54	236.46
26 22 13 00-0150	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,316.33	289.01
26 22 13 00-0151	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,010.49	341.56
26 22 13 00-0152	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,502.94	394.11
26 22 13 00-0153	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,461.88	472.93
26 22 13 00-0154	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,397.82	525.47
26 22 13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,533.08	656.83
26 22 13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	17,845.10	814.48
26 22 13 00-0157		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,395.48	236.46
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,135.10	289.01
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,008.93	341.56
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,917.59	394.11
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,922.01	472.93
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,901.89	525.47
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,899.12	656.83
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	22,709.94	814.48
26 22 13 00-0166		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,068.69	236.46
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,956.14	289.01
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,007.38	341.56
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,329.97	394.11
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,764.24	472.93
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	14,405.95	525.47
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,265.17	656.83
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	27,574.80	814.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0175	Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)	
	Note: Two taps at 2.5%, four at -2.5%.	
26 22 13 00-0176	150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)	
26 22 13 00-0177	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	3,843.52 236.46
26 22 13 00-0178	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,683.22 289.01
26 22 13 00-0179	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,673.04 341.56
26 22 13 00-0180	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,859.17 394.11
26 22 13 00-0181	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,791.53 472.93
26 22 13 00-0182	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	13,657.69 525.47
26 22 13 00-0183	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,257.63 656.83
26 22 13 00-0184	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	26,121.48 814.48
26 22 13 00-0185	115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)	
26 22 13 00-0186	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,516.74 236.46
26 22 13 00-0187	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,504.27 289.01
26 22 13 00-0188	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,671.49 341.56
26 22 13 00-0189	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,273.82 394.11
26 22 13 00-0190	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,375.92 472.93
26 22 13 00-0191	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,265.53 525.47
26 22 13 00-0192	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	23,343.09 656.83
26 22 13 00-0193	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	35,102.91 814.48
26 22 13 00-0194	80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)	
26 22 13 00-0195	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,192.22 236.46
26 22 13 00-0196	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,325.30 289.01
26 22 13 00-0197	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,669.93 341.56
26 22 13 00-0198	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,686.19 394.11
26 22 13 00-0199	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	17,255.26 472.93
26 22 13 00-0200	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	22,443.53 525.47
26 22 13 00-0201	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	28,426.27 656.83
26 22 13 00-0202	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	42,276.22 814.48
26 22 13 00-0203	3 Phase Weathershields (26 22 13 00-0056)	
	Note: Use with type DT-3 and DS-3.	
26 22 13 00-0204	EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	443.63
26 22 13 00-0205	EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	753.36
26 22 13 00-0206	EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	753.36
26 22 13 00-0207	Three Phase Mounting Brackets (26 22 13 00-0056)	
26 22 13 00-0208	EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA.....	423.47 93.32
26 22 13 00-0209	Pad Mounted Commercial Type Distribution Transformers UL Listed (26 22 13)	
26 22 13 00-0210	Distribution 3 Phase Oil Filled Transformer (26 22 13 00-0209)	
	Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.	
26 22 13 00-0211	Factory Modifications (26 22 13 00-0210)	
	Note: For use with series 4100 3 phase transformers.	
26 22 13 00-0212	EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	812.89
26 22 13 00-0213	EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	132.18
26 22 13 00-0214	EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....	528.74



MINOR
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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 22 13 00-0215	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	1,523.32	
26 22 13 00-0216	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	186.61	
26 22 13 00-0217	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification.....	147.74	
26 22 13 00-0218		Accessories For Transformer Liquid Containment Area <small>(26 22 13 00-0210)</small>		
		Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219	EA	Containment Area For 75 KVA.....	2,362.57	723.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.50	
26 22 13 00-0220	EA	Containment Area For 112.5 KVA.....	2,362.57	723.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.50	
26 22 13 00-0221	EA	Containment Area For 150 KVA.....	2,362.57	723.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.50	
26 22 13 00-0222	EA	Containment Area For 225 KVA.....	2,362.57	723.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.50	
26 22 13 00-0223	EA	Containment Area For 300 KVA.....	2,359.97	723.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	481.72	
26 22 13 00-0224	EA	Containment Area For 500 KVA.....	2,359.97	723.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	481.72	
26 22 13 00-0225	EA	Containment Area For 750 KVA.....	2,381.74	723.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	481.72	
26 22 13 00-0226	EA	Containment Area For 1,000 KVA.....	2,697.43	723.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	481.72	
26 22 13 00-0227		Primary, 4.16/4.8 KV Ground Y Or Delta 480 Y / 277 Volt, 480 Volt, 95 KV BIL <small>(26 22 13 00-0210)</small>		
		Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0228	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	5,206.14	630.56
26 22 13 00-0229	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	5,672.68	630.56
26 22 13 00-0230	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	5,983.70	630.56
26 22 13 00-0231	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,916.76	630.56
26 22 13 00-0232	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,495.69	945.85
26 22 13 00-0233	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,806.72	945.85
26 22 13 00-0234	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,538.98	945.85
26 22 13 00-0235	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	14,766.58	1,261.13
26 22 13 00-0236	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	18,809.87	1,261.13
26 22 13 00-0237		Primary, 4.16/4.8 KV Ground Y Or Delta 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small>		
		Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0238	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,361.66	630.56
26 22 13 00-0239	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,983.70	630.56
26 22 13 00-0240	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,139.21	630.56
26 22 13 00-0241	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,294.72	630.56
26 22 13 00-0242	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,495.69	945.85
26 22 13 00-0243	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,117.74	945.85
26 22 13 00-0244	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	11,538.98	945.85
26 22 13 00-0245	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	14,922.09	1,261.13
26 22 13 00-0246	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	18,809.87	1,261.13
26 22 13 00-0247		Primary 5 KV Or 15 KV, Secondary 277/480 Volt <small>(26 22 13 00-0209)</small>		
		Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248	EA	150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	8,832.18	877.09
26 22 13 00-0249	EA	225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	9,740.15	1,035.43
26 22 13 00-0250	EA	300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	11,063.28	1,265.52
26 22 13 00-0251	EA	500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	13,080.32	1,423.85
26 22 13 00-0252	EA	750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	15,769.12	1,498.74
26 22 13 00-0253	EA	1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	19,537.66	2,189.88
26 22 13 00-0254	EA	1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	22,848.27	2,477.50
26 22 13 00-0255	EA	2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	28,314.88	2,847.70
26 22 13 00-0256	EA	2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	31,108.81	2,990.08
26 22 13 00-0257	EA	3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	33,056.25	3,331.92
26 22 13 00-0258	EA	3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	37,663.25	3,559.74
26 22 13 00-0259		Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled <small>(26 22 13 00-0209)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 22 13 00-0260	EA		1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	33,774.07	2,341.76
26 22 13 00-0261	EA		2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	41,514.30	2,693.03
26 22 13 00-0262	EA		2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	47,149.50	2,834.75
26 22 13 00-0263	EA		3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	50,116.75	3,168.27
26 22 13 00-0264	EA		3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	56,117.80	3,264.27

26 22 13 00-0265 Silicone Filled Distribution Transformers, 3 Phase (26 22 13 00-0209)

Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.

26 22 13 00-0266	EA		225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	14,668.70	1,035.43
26 22 13 00-0267	EA		300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	15,932.29	1,265.52
26 22 13 00-0268	EA		500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	18,601.47	1,423.85
26 22 13 00-0269	EA		750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	22,268.47	1,498.74
26 22 13 00-0270	EA		1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	27,169.08	2,189.88
26 22 13 00-0271	EA		1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	34,158.02	2,477.50
26 22 13 00-0272	EA		2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	41,379.52	2,847.70
26 22 13 00-0273	EA		2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	47,010.26	2,990.08

26 22 13 00-0274 Foam Core Poly Transformer Pads (26 22 13)

26 22 13 00-0275	EA		Single Phase Foam Core Poly Pads.....	129.05	18.79
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Note: Excludes site prep.

26 24 Switchboards And Panelboards (26 20)

26 24 13 Switchboards (26 24)

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)

26 24 13 00-0002 Incoming Service Section Main Device Only (26 24 13 00-0001)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0003	EA		400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	2,492.66	446.43
26 24 13 00-0004	EA		600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	2,792.27	472.21
26 24 13 00-0005	EA		800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	4,864.62	535.65
26 24 13 00-0006	EA		1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	5,244.52	574.23
26 24 13 00-0007	EA		1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	8,897.52	612.25
26 24 13 00-0008	EA		2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	9,973.22	651.00
26 24 13 00-0009	EA		400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	3,164.71	446.43
26 24 13 00-0010	EA		600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	4,208.62	472.21
26 24 13 00-0011	EA		800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	6,057.41	536.11
26 24 13 00-0012	EA		1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	8,533.88	574.23
26 24 13 00-0013	EA		1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	8,897.52	612.87
26 24 13 00-0014	EA		2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	9,973.22	651.00
26 24 13 00-0015	EA		2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	12,148.03	680.59
26 24 13 00-0016	EA		3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	13,827.72	729.13
26 24 13 00-0017	EA		4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire	16,444.03	785.99
26 24 13 00-0018	EA		400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	1,546.36	395.55
26 24 13 00-0019	EA		600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	1,736.42	421.12
26 24 13 00-0020	EA		800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	1,984.93	484.76
26 24 13 00-0021	EA		1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,163.19	505.13
26 24 13 00-0022	EA		1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,328.63	523.34
26 24 13 00-0023	EA		1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,572.42	561.12
26 24 13 00-0024	EA		2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,786.39	599.60

26 24 13 00-0025 Branch Breaker Units (26 24 13 00-0001)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA		15 - 60 Amp MC Branch Breaker, 240 Volt.....	249.24	15.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.34	
26 24 13 00-0027	EA		70 - 100 Amp MC Branch Breaker, 240 Volt.....	362.53	24.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.70	
26 24 13 00-0028	EA		125 - 225 Amp MC Branch Breaker, 240 Volt.....	1,006.73	44.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.79	
26 24 13 00-0029	EA		100 - 400 Amp MC Branch Breaker, 240 Volt.....	1,820.34	58.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.91	
26 24 13 00-0030	EA		300 - 600 Amp MC Branch Breaker, 240 Volt.....	3,181.18	142.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.73	
26 24 13 00-0031	EA		400 - 800 Amp MC Branch Breaker, 240 Volt.....	5,227.32	142.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.73	
26 24 13 00-0032	EA		600 - 1,200 Amp MC Branch Breaker, 240 Volt.....	8,439.01	254.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.81	

26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)

26 24 13 00-0034 Incoming Service Section Main Device Only (26 24 13 00-0033)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0035	EA		400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	3,561.00	579.29
26 24 13 00-0036	EA		600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	4,025.22	579.29
26 24 13 00-0037	EA		800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	6,341.03	752.82
26 24 13 00-0038	EA		1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	7,253.98	752.82



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 13 00-0039	Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)			
26 24 13 00-0040	Incoming Service Section Main Device Only (26 24 13 00-0039)			
	Note: Copper bus, non-metering type, with fuses.			
26 24 13 00-0041	EA	200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	2,252.37	395.55
26 24 13 00-0042	EA	600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	2,538.02	421.12
26 24 13 00-0043	EA	800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	4,138.98	484.76
26 24 13 00-0044	EA	1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	4,502.91	522.94
26 24 13 00-0045	EA	200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,890.35	395.55
26 24 13 00-0046	EA	600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,773.07	421.12
26 24 13 00-0047	EA	800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,463.99	484.76
26 24 13 00-0048	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	8,116.71	522.94
26 24 13 00-0049	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	9,571.06	586.94
26 24 13 00-0050	EA	200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	1,471.43	344.46
26 24 13 00-0051	EA	600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	1,673.89	370.07
26 24 13 00-0052	EA	800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	1,966.14	433.73
26 24 13 00-0053	EA	1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,136.38	454.09
26 24 13 00-0054	EA	1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,303.55	472.21
26 24 13 00-0055	EA	1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,511.13	505.13
26 24 13 00-0056	EA	2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,716.69	535.65
26 24 13 00-0057	EA	2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,375.06	663.50
26 24 13 00-0058	EA	3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,800.94	727.29
26 24 13 00-0059	EA	4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,583.60	784.71
26 24 13 00-0060	Branch Breaker Units (26 24 13 00-0039)			
	Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.			
26 24 13 00-0061	EA	15 - 60 Amp MC Branch Breaker, 120 / 240 Volt.....	126.02	13.53
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.12	
26 24 13 00-0062	EA	70 - 100 Amp MC Branch Breaker, 120 / 240 Volt.....	198.68	22.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.47	
26 24 13 00-0063	EA	125 - 225 Amp MC Branch Breaker, 120 / 240 Volt.....	662.58	31.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.83	
26 24 13 00-0064	EA	100 - 400 Amp MC Branch Breaker, 120 / 240 Volt.....	1,982.28	40.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.19	
26 24 13 00-0065	EA	300 - 600 Amp MC Branch Breaker, 120 / 240 Volt.....	3,068.71	98.25
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.94	
26 24 13 00-0066	EA	400 - 800 Amp MC Branch Breaker, 120 / 240 Volt.....	4,426.44	98.25
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.94	
26 24 13 00-0067	EA	600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt.....	7,259.26	187.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.55	
26 24 13 00-0068	Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)			
26 24 13 00-0069	Incoming Service Section Main Device Only (26 24 13 00-0068)			
	Note: Copper bus, non-metering type, with fuses.			
26 24 13 00-0070	EA	400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	2,493.28	446.43
26 24 13 00-0071	EA	600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	2,791.57	472.21
26 24 13 00-0072	EA	800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	4,863.71	535.65
26 24 13 00-0073	EA	1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	5,243.48	574.23
26 24 13 00-0074	EA	1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	8,895.17	612.25
26 24 13 00-0075	EA	2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	9,973.22	651.00
26 24 13 00-0076	EA	400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,165.33	446.43
26 24 13 00-0077	EA	600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,207.92	472.21
26 24 13 00-0078	EA	800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	6,057.41	536.11
26 24 13 00-0079	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,532.84	574.23
26 24 13 00-0080	EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,896.34	612.87
26 24 13 00-0081	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	9,973.22	651.00
26 24 13 00-0082	EA	400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	1,653.94	395.55
26 24 13 00-0083	EA	600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	1,882.33	421.12
26 24 13 00-0084	EA	800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,204.62	484.76
26 24 13 00-0085	EA	1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,397.98	505.13
26 24 13 00-0086	EA	1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,587.12	523.34
26 24 13 00-0087	EA	1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,819.39	561.12
26 24 13 00-0088	EA	2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,054.51	599.60
26 24 13 00-0089	EA	2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,673.31	681.36
26 24 13 00-0090	EA	3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,103.57	729.08
26 24 13 00-0091	EA	4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,966.26	783.44
26 24 13 00-0092	Branch Breaker Units (26 24 13 00-0068)			
	Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.			
26 24 13 00-0093	EA	15 - 60 Amp MC Branch Breaker, 120/208 Volt.....	249.24	15.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.34	
26 24 13 00-0094	EA	70 - 100 Amp MC Branch Breaker, 120/208 Volt.....	362.53	24.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.70	
26 24 13 00-0095	EA	125 - 225 Amp MC Branch Breaker, 120/208 Volt.....	1,006.73	44.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.79	
26 24 13 00-0096	EA	100 - 400 Amp MC Branch Breaker, 120/208 Volt.....	1,820.34	58.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.91	
26 24 13 00-0097	EA	300 - 600 Amp MC Branch Breaker, 120/208 Volt.....	3,181.18	142.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0098 EA 400 - 800 Amp MC Branch Breaker, 120/208 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,227.32 85.73	142.91
26 24 13 00-0099 EA 600 - 1,200 Amp MC Branch Breaker, 120/208 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,439.01 152.81	254.69
26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0101 Incoming Service Section Main Device Only (26 24 13 00-0100) Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102 EA 400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,179.34	612.25
26 24 13 00-0103 EA 600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,522.63	651.00
26 24 13 00-0104 EA 800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	5,323.33	726.63
26 24 13 00-0105 EA 1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	5,844.62	778.03
26 24 13 00-0106 EA 400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,320.32	612.25
26 24 13 00-0107 EA 600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,079.96	651.00
26 24 13 00-0108 EA 800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,904.92	727.44
26 24 13 00-0109 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	8,940.41	778.03
26 24 13 00-0110 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	9,329.88	829.63
26 24 13 00-0111 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	10,433.59	881.17
26 24 13 00-0112 EA 400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	1,653.94	395.55
26 24 13 00-0113 EA 600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	1,882.33	421.12
26 24 13 00-0114 EA 800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,204.62	484.76
26 24 13 00-0115 EA 1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,397.98	505.13
26 24 13 00-0116 EA 1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,587.12	523.34
26 24 13 00-0117 EA 1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,819.39	561.12
26 24 13 00-0118 EA 2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,054.51	599.60
26 24 13 00-0119 Branch Breaker Units (26 24 13 00-0100) Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. See upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120 EA 15 - 60 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	542.32 9.34	15.57
26 24 13 00-0121 EA 70 - 100 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	614.72 14.70	24.50
26 24 13 00-0122 EA 125 - 225 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,114.43 26.79	44.66
26 24 13 00-0123 EA 100 - 400 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,820.34 34.91	58.18
26 24 13 00-0124 EA 300 - 600 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,356.24 85.73	142.91
26 24 13 00-0125 EA 400 - 800 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,461.21 85.73	142.91
26 24 13 00-0126 EA 600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,118.08 152.81	254.69
26 24 13 00-0127 Fusible Branch Circuit Switch (26 24 13) Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0129 EA 30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	520.68 238.31	40.07
26 24 13 00-0130 EA 30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	518.64 238.31	40.07
26 24 13 00-0131 EA 60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	518.64 238.31	40.07
26 24 13 00-0132 EA 60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	829.93 238.31	52.82
26 24 13 00-0133 EA 100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	829.93 238.31	52.82
26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0135 EA 100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	605.95 228.30	39.30
26 24 13 00-0136 EA 200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	912.09 228.30	39.30
26 24 13 00-0137 EA 400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	2,336.57	105.90
26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0139 EA 30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	677.04 238.31	45.16
26 24 13 00-0140 EA 30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	675.00 238.31	45.16
26 24 13 00-0141 EA 60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	675.00 238.31	45.16
26 24 13 00-0142 EA 60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,028.79 238.31	60.48
26 24 13 00-0143 EA 100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,028.79 238.31	60.48
26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units (26 24 13 00-0127)		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0145	EA		100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	738.97	44.40
			<i>For Electrical Interlock Kit, Add</i>	238.31	
26 24 13 00-0146	EA		200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	1,238.02	44.40
			<i>For Electrical Interlock Kit, Add</i>	228.30	
26 24 13 00-0147	EA		400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	3,166.30	118.56
26 24 13 00-0148	EA		600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	4,549.32	151.89
26 24 13 00-0149	EA		800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit	8,589.57	205.79
26 24 13 00-0150			600 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0151	EA		30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	986.07	45.16
			<i>For Electrical Interlock Kit, Add</i>	238.31	
26 24 13 00-0152	EA		30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	984.00	45.16
			<i>For Electrical Interlock Kit, Add</i>	238.31	
26 24 13 00-0153	EA		60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	986.07	45.16
			<i>For Electrical Interlock Kit, Add</i>	238.31	
26 24 13 00-0154	EA		60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,495.07	60.48
			<i>For Electrical Interlock Kit, Add</i>	238.31	
26 24 13 00-0155	EA		100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,529.58	60.48
			<i>For Electrical Interlock Kit, Add</i>	238.31	
26 24 13 00-0156	EA		200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	3,335.64	79.11
			<i>For Electrical Interlock Kit, Add</i>	238.31	
26 24 13 00-0157			600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0158	EA		100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	1,071.80	44.40
			<i>For Electrical Interlock Kit, Add</i>	238.31	
26 24 13 00-0159	EA		200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	1,660.57	44.40
			<i>For Electrical Interlock Kit, Add</i>	228.30	
26 24 13 00-0160	EA		400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	4,023.42	118.56
			<i>For Electrical Interlock Kit, Add</i>	228.30	
26 24 13 00-0161	EA		600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	4,873.74	151.89
26 24 13 00-0162	EA		800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit	8,589.57	205.79
26 24 13 00-0163			Service And Distribution Structures (26 24 13)		
26 24 13 00-0164			Distribution Section 600 Volts, 250 Volts DC (26 24 13 00-0163)		
26 24 13 00-0165			600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0166	EA		14 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	1,432.47	469.56
26 24 13 00-0167	EA		24 - 30 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	1,761.98	469.56
26 24 13 00-0168	EA		34 - 38 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	1,961.02	597.15
26 24 13 00-0169	EA		42 - 48 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,125.91	597.15
26 24 13 00-0170			800 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0171	EA		14 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	1,582.52	543.56
26 24 13 00-0172	EA		24 - 30 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	1,905.51	543.56
26 24 13 00-0173	EA		34 - 38 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,125.91	673.71
26 24 13 00-0174	EA		42 - 48 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,274.03	673.71
26 24 13 00-0175			1,200 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0176	EA		14 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	1,814.77	663.50
26 24 13 00-0177	EA		24 - 30 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,143.33	663.50
26 24 13 00-0178	EA		34 - 38 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,375.30	816.61
26 24 13 00-0179	EA		42 - 48 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,592.30	816.61
26 24 13 00-0180			1,600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0181	EA		14 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,393.03	727.29
26 24 13 00-0182	EA		24 - 30 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,766.19	727.29
26 24 13 00-0183	EA		34 - 38 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,036.06	898.27
26 24 13 00-0184	EA		42 - 48 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,225.10	898.27
26 24 13 00-0185			2,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0186	EA		14 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,487.65	729.85
26 24 13 00-0187	EA		24 - 30 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,883.03	821.72
26 24 13 00-0188	EA		34 - 38 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,970.63	821.72
26 24 13 00-0189	EA		42 - 48 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,070.79	867.65
26 24 13 00-0190			3,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0191	EA		24 - 30 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,715.80	821.72
26 24 13 00-0192	EA		34 - 38 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,802.09	821.72
26 24 13 00-0193	EA		42 - 48 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,902.25	867.65
26 24 13 00-0194			4,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0195	EA		24 - 30 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,781.23	867.65
26 24 13 00-0196	EA		34 - 38 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,902.25	867.65
26 24 13 00-0197	EA		42 - 48 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,938.41	867.65



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0198			Pull Boy, Horizontal Mounted Across Top Of Switch Board <small>(26 24 13 00-0164)</small>		
26 24 13 00-0199	EA		18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	362.11	61.24
26 24 13 00-0200	EA		Drilled Bottom.....	407.02	61.24
26 24 13 00-0201	EA		Cable Supports In Pull Box.....	159.08	15.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.51	
26 24 13 00-0202			Underground Pull Sections <small>(26 24 13 00-0164)</small>		
			Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA		12 - 20" Wide, 15 - 20" Deep Underground Pull Section Without Bus Or Terminal.....	336.43	71.45
26 24 13 00-0204	EA		24 - 28" Wide, 20" Deep Underground Pull Section Without Bus Or Terminal.....	614.36	91.87
26 24 13 00-0205	EA		24 - 28" Wide, 30" Deep Underground Pull Section Without Bus Or Terminal.....	614.36	91.87
26 24 13 00-0206	EA		14 - 20" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	448.42	71.45
26 24 13 00-0207	EA		28 - 30" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	662.36	104.63
26 24 13 00-0208	EA		14 - 20" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	747.65	104.63
26 24 13 00-0209	EA		26 - 30" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	772.99	135.25
26 24 13 00-0210	EA		38" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	803.87	135.25
26 24 13 00-0211			Switchboard Sections <small>(26 24 13 00-0163)</small>		
26 24 13 00-0212	EA		600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	2,852.35	425.31
26 24 13 00-0213	EA		800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,129.39	462.30
26 24 13 00-0214	EA		1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,908.41	590.72
26 24 13 00-0215	EA		1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,276.91	644.41
26 24 13 00-0216	EA		2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,563.14	686.00
26 24 13 00-0217	EA		400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt.....	3,589.19	373.09
26 24 13 00-0218	EA		Distribution Section Subfeeder Lug-Rated At 200 Amp.....	1,834.47	354.41
26 24 13 00-0219	EA		Distribution Section Subfeeder Lug-Rated At 400 Amp.....	2,045.10	384.32
26 24 13 00-0220	EA		Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire.....	2,486.97	425.31
26 24 13 00-0221	EA		800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	2,682.95	426.43
26 24 13 00-0222	EA		1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	2,951.37	476.08
26 24 13 00-0223	EA		15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	93.72	25.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	
26 24 13 00-0224	EA		70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	115.90	25.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.41	
26 24 13 00-0225	EA		70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	648.59	30.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.67	
26 24 13 00-0226	EA		125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,100.85	66.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.24	
26 24 13 00-0227	EA		100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	413.83	92.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.90	
26 24 13 00-0228	EA		225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	1,292.64	53.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.67	
26 24 13 00-0229			Switchboard, Structure Per Section Copper 480 V <small>(26 24 13 00-0163)</small>		
26 24 13 00-0230	EA		225 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	1,477.11	221.50
26 24 13 00-0231	EA		400 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,124.13	299.55
26 24 13 00-0232	EA		600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,340.93	364.56
26 24 13 00-0233	EA		800 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,877.55	510.38
26 24 13 00-0234	EA		1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,557.64	637.98
26 24 13 00-0235	EA		1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,017.23	637.98
26 24 13 00-0236	EA		2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,866.35	850.65
26 24 13 00-0237	EA		2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	5,747.59	850.65
26 24 13 00-0238	EA		3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	6,740.44	1,012.65
26 24 13 00-0239	EA		4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	8,362.00	1,012.65
26 24 13 00-0240			Main Devices <small>(26 24 13)</small>		
26 24 13 00-0241			Power Circuit Breakers <small>(26 24 13 00-0240)</small>		
26 24 13 00-0242			DSL Breaker With Current Limiters And Amptector <small>(26 24 13 00-0241)</small>		
			Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243	EA		50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	5,543.23	535.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	320.86	
26 24 13 00-0244	EA		50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	10,239.07	893.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	535.37	
26 24 13 00-0245	EA		1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	23,836.66	1,500.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	892.28	
26 24 13 00-0246	EA		4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	38,285.14	2,429.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,483.67	
26 24 13 00-0247	EA		Ground-Fault Trip All Power Breakers - Factory Installed.....	2,206.78	
26 24 13 00-0248	EA		Key Interlock All Power Breakers - Factory Installed.....	285.00	
26 24 13 00-0249	EA		Short Time Delay Selective Trip - Factory Installed.....	373.90	
26 24 13 00-0250	EA		Shunt Trip Manually Open Breakers - Factory Installed.....	269.31	
26 24 13 00-0251			DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small>		
			Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA		50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip.....	6,587.59	561.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	338.45	
26 24 13 00-0253	EA		50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip.....	12,397.96	944.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	563.75	



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 24 13 00-0254	EA	1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	26,937.78		1,556.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	938.21		
26 24 13 00-0255	EA	4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	41,306.45		2,551.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,568.80		
26 24 13 00-0256		DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small>			
		Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.			
26 24 13 00-0257	EA	50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip	4,315.21		489.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	294.45		
26 24 13 00-0258	EA	50 - 1,600 Amp DS-416, Main Breaker With Groundfault, Amptector Static Trip	8,014.31		821.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	490.75		
26 24 13 00-0259	EA	2,000 Amp DS-420, Main Breaker With Groundfault, Amptector Static Trip	11,654.18		1,378.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	817.92		
26 24 13 00-0260	EA	1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip	20,235.29		2,220.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,362.23		
26 24 13 00-0261	EA	4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip	32,810.30		3,623.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,265.01		
26 24 13 00-0262		DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small>			
		Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.			
26 24 13 00-0263	EA	50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	5,255.56		469.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	280.84		
26 24 13 00-0264	EA	50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	9,947.69		785.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	467.96		
26 24 13 00-0265	EA	2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	13,881.03		1,306.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	781.20		
26 24 13 00-0266	EA	1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	22,877.95		2,128.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,302.00		
26 24 13 00-0267	EA	4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	35,431.91		3,649.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,174.93		
26 24 13 00-0268		Molded Case Circuit Breakers Conventional <small>(26 24 13 00-0241)</small>			
26 24 13 00-0269	EA	70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional	1,530.47		428.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	246.96		
26 24 13 00-0270	EA	125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional	2,468.12		428.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	268.62		
26 24 13 00-0271	EA	300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional	2,746.41		510.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	294.45		
26 24 13 00-0272	EA	400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional	3,341.97		510.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	318.99		
26 24 13 00-0273	EA	600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional	5,267.66		612.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	349.58		
26 24 13 00-0274	EA	1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional	8,956.34		612.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	386.65		
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	282.38		
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	65.37		
26 24 13 00-0277		Switchboard Branch Breaker 480 Volt <small>(26 24 13 00-0240)</small>			
26 24 13 00-0278	EA	60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	391.56		37.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19		
26 24 13 00-0279	EA	100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	453.68		49.10
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.45		
26 24 13 00-0280	EA	225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	1,413.88		73.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.36		
26 24 13 00-0281	EA	400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	1,876.39		92.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.64		
26 24 13 00-0282	EA	600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	2,252.91		124.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.62		
26 24 13 00-0283	EA	800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	2,706.89		159.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.70		
26 24 13 00-0284	EA	1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	4,374.15		243.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.82		
26 24 13 00-0285	EA	1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	4,374.15		243.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.82		
26 24 13 00-0286	EA	1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	6,135.94		340.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	204.15		
26 24 13 00-0287	EA	2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker	7,527.62		510.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	306.23		
26 24 13 00-0288		Switchboard 277/480 Volt Main Breaker <small>(26 24 13 00-0240)</small>			
26 24 13 00-0289	EA	400 Amp, Switchboard 277/480 Volt Main Breaker	5,049.76		221.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.91		
26 24 13 00-0290	EA	600 Amp, Switchboard 277/480 Volt Main Breaker	5,091.87		242.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.55		
26 24 13 00-0291	EA	800 Amp, Switchboard 277/480 Volt Main Breaker	5,335.84		364.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	218.74		
26 24 13 00-0292	EA	1,200 Amp, Switchboard 277/480 Volt Main Breaker	9,296.60		510.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	306.23		
26 24 13 00-0293	EA	1,600 Amp, Switchboard 277/480 Volt Main Breaker	9,404.99		564.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	338.75		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0294 EA 2,000 Amp, Switchboard 277/480 Volt Main Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,014.86 607.60	1,012.65
26 24 13 00-0295 Branch Or Distribution Devices (26 24 13)		
26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295) Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297 EA 15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	341.43 12.25	18.38
26 24 13 00-0298 EA 70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	341.12 15.31	22.96
26 24 13 00-0299 EA 125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	844.06 18.37	27.56
26 24 13 00-0300 EA 70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,227.63 23.73	35.73
26 24 13 00-0301 EA 125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,735.92 29.40	44.10
26 24 13 00-0302 EA 300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,278.72 34.45	51.55
26 24 13 00-0303 EA 900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,495.78 38.89	58.18
26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295) Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305 EA 15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.32 9.19	13.78
26 24 13 00-0306 EA 70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	300.50 12.25	18.38
26 24 13 00-0307 EA 125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	844.85 15.31	22.96
26 24 13 00-0308 EA 70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,347.90 16.84	25.52
26 24 13 00-0309 EA 125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,418.84 22.20	33.17
26 24 13 00-0310 EA 900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,238.46 32.15	48.24
26 24 13 00-0311 Meter Devices And Instrumentation (26 24 13) Note: Factory installed accessories.		
26 24 13 00-0312 Instrument Transformers And Metering Compartments (26 24 13 00-0311)		
26 24 13 00-0313 EA 800 Amp And Below Primary Current Transformer, With Compartment.....	341.21	
26 24 13 00-0314 EA 1,000 - 1,500 Amp Primary Current Transformer, With Compartment.....	492.86	
26 24 13 00-0315 EA 2,000 - 6,000 Amp Primary Current Transformer, With Compartment.....	580.46	
26 24 13 00-0316 EA Potential Transformer With 200 VA Max.....	418.35	
26 24 13 00-0317 EA 5 To 800 Amp, Three Current Transformers.....	1,266.40	
26 24 13 00-0318 EA 1,000 To 1,500 Amp, Three Current Transformers.....	2,292.07	
26 24 13 00-0319 EA 2,000 To 4,000 Amp, Three Current Transformers.....	2,982.64	
26 24 13 00-0320 Instruments (26 24 13 00-0311)		
26 24 13 00-0321 EA AC Voltmeter	465.41	
26 24 13 00-0322 EA AC Ammeter	465.41	
26 24 13 00-0323 EA AC Wattmeter	1,243.27	
26 24 13 00-0324 EA Variometer	1,404.07	
26 24 13 00-0325 EA Power Factor Meter	1,121.69	
26 24 13 00-0326 EA Frequency Meter.....	1,238.04	
26 24 13 00-0327 EA AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,575.33	
26 24 13 00-0328 EA AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	2,635.58	
26 24 13 00-0329 EA Weatherproof, Modify Meter	2,335.14	
26 24 13 00-0330 EA Control Switch Resistor Type 130 V	49.18	
26 24 13 00-0331 EA Metering Instrument Volt, Amp And Watt Hour	3,179.18	
26 24 16 Panelboards (26 24)		
26 24 16 00-0001 Branch Circuit Panelboard (26 24 16) Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002 Assembled Lighting And Power Panelboards (26 24 16 00-0001) Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0004 EA 100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	653.06 841.35	145.46
<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0005 EA 100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	742.46 841.35	145.46
<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0006 EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	835.97 841.35	201.60
<i>For NEMA 3R Panelboard, Add</i>		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0007	EA		100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	926.02	201.60
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0008	EA		100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,016.42	252.64
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0009	EA		100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,112.00	252.64
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0010	EA		100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,196.80	290.92
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0011	EA		225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	1,413.40	372.58
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0012	EA		225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	1,503.65	372.58
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0013	EA		225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	1,969.66	426.17
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0014	EA		225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,111.78	426.17
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0015	EA		225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,203.14	479.76
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0016	EA		225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,331.04	479.76
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0017	EA		225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,410.99	530.80
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0018	EA		225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,548.72	530.80
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0019	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,702.77	586.94
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0020	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	2,745.27	586.94
			<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0021	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	2,931.00	586.94
			<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0022			120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0023	EA		50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	735.96	140.36
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0024	EA		50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	826.46	140.36
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0025	EA		100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,062.13	239.88
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0026	EA		100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,153.82	239.88
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0027	EA		100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,244.94	293.47
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0028	EA		100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	1,342.84	293.47
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0029	EA		100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	1,425.53	352.16
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0030	EA		225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	2,094.32	352.16
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0031	EA		225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	2,178.47	431.28
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0032 EA 225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	2,268.42	431.28
For NEMA 3R Panelboard, Add	925.26	
For Door-In-Door (Hinged) Trim Front, Add	67.61	
26 24 16 00-0033 EA 225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	2,365.31	484.86
For NEMA 3R Panelboard, Add	1,092.95	
For Door-In-Door (Hinged) Trim Front, Add	115.47	
26 24 16 00-0034 EA 225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	2,447.09	484.86
For NEMA 3R Panelboard, Add	1,092.95	
For Door-In-Door (Hinged) Trim Front, Add	115.47	
26 24 16 00-0035 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	2,533.17	530.80
For NEMA 3R Panelboard, Add	1,092.95	
For Door-In-Door (Hinged) Trim Front, Add	115.47	
26 24 16 00-0036 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	2,624.19	530.80
For NEMA 3R Panelboard, Add	1,092.95	
For Door-In-Door (Hinged) Trim Front, Add	115.47	
26 24 16 00-0037 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	2,720.96	627.77
For NEMA 3R Panelboard, Add	1,092.95	
For Door-In-Door (Hinged) Trim Front, Add	115.47	
26 24 16 00-0038 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	2,824.47	627.77
For NEMA 3R Panelboard, Add	1,092.95	
For Door-In-Door (Hinged) Trim Front, Add	115.47	
26 24 16 00-0039 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	2,935.94	627.77
For NEMA 3R Panelboard, Add	1,137.54	
For Door-In-Door (Hinged) Trim Front, Add	147.58	
26 24 16 00-0040 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	3,009.24	663.50
For NEMA 3R Panelboard, Add	1,137.54	
For Door-In-Door (Hinged) Trim Front, Add	147.58	
26 24 16 00-0041 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0042 EA 100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	930.36	165.87
For NEMA 3R Panelboard, Add	841.35	
26 24 16 00-0043 EA 100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,033.82	165.87
For NEMA 3R Panelboard, Add	841.35	
26 24 16 00-0044 EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,153.38	222.02
For NEMA 3R Panelboard, Add	841.35	
26 24 16 00-0045 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,281.87	222.02
For NEMA 3R Panelboard, Add	841.35	
26 24 16 00-0046 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,395.21	273.05
For NEMA 3R Panelboard, Add	841.35	
26 24 16 00-0047 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,515.33	273.05
For NEMA 3R Panelboard, Add	841.35	
26 24 16 00-0048 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,630.08	324.10
For NEMA 3R Panelboard, Add	841.35	
26 24 16 00-0049 EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	1,742.64	324.10
For NEMA 3R Panelboard, Add	925.26	
For Door-In-Door (Hinged) Trim Front, Add	67.61	
26 24 16 00-0050 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	1,853.98	380.23
For NEMA 3R Panelboard, Add	925.26	
For Door-In-Door (Hinged) Trim Front, Add	67.61	
26 24 16 00-0051 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	1,982.35	380.23
For NEMA 3R Panelboard, Add	925.26	
For Door-In-Door (Hinged) Trim Front, Add	67.61	
26 24 16 00-0052 EA 100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,107.40	438.93
For NEMA 3R Panelboard, Add	925.26	
For Door-In-Door (Hinged) Trim Front, Add	67.61	
26 24 16 00-0053 EA 100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,235.75	438.93
For NEMA 3R Panelboard, Add	925.26	
For Door-In-Door (Hinged) Trim Front, Add	67.61	
26 24 16 00-0054 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,474.23	530.80
For NEMA 3R Panelboard, Add	1,092.95	
For Door-In-Door (Hinged) Trim Front, Add	115.47	
26 24 16 00-0055 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,549.44	530.80
For NEMA 3R Panelboard, Add	1,092.95	
For Door-In-Door (Hinged) Trim Front, Add	115.47	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 16 00-0056	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,702.45	589.49
		<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0057	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,832.18	589.49
		<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0058	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	2,931.96	643.09
		<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0059	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,052.16	643.09
		<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0060	EA	400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,080.85	570.60
		<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0061	EA	400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,164.22	599.70
		<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0062	EA	400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,322.48	631.60
		<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0063	EA	400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,459.46	668.60
		<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0064	EA	400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,563.27	689.01
		<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0065	EA	400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,716.74	731.13
		<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0066		120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0067	EA	50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,159.85	160.77
		<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0068	EA	50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,264.35	160.77
		<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0069	EA	50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,393.85	211.81
		<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0070	EA	50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	1,593.15	211.81
		<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0071	EA	100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	1,821.13	318.99
		<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0072	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	1,933.34	318.99
		<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0073	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,051.69	372.58
		<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0074	EA	100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,146.14	372.58
		<i>For NEMA 3R Panelboard, Add</i>	925.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0075	EA	100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,280.84	431.28
		<i>For NEMA 3R Panelboard, Add</i>	925.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0076	EA	100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,364.98	431.28
		<i>For NEMA 3R Panelboard, Add</i>	925.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0077	EA	100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,520.10	484.86
		<i>For NEMA 3R Panelboard, Add</i>	925.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0078	EA	100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	2,658.12	484.86
		<i>For NEMA 3R Panelboard, Add</i>	925.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0079	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,634.78	561.42
		<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0080	EA		225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,781.01	592.04
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0081	EA		225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,834.79	592.04
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0082	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,994.48	668.60
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0083	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	4,118.81	668.60
			<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0084	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	4,181.70	668.60
			<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0085	EA		400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity.....	4,376.25	615.02
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0086	EA		400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity.....	4,532.10	650.73
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0087	EA		400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity.....	4,586.71	668.60
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0088	EA		400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity.....	4,756.55	709.43
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0089	EA		400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity.....	4,879.23	729.85
			<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0090	EA		400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity.....	4,980.65	755.37
			<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0091			480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092	EA		100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	1,084.00	163.32
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0093	EA		100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,225.96	163.32
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0094	EA		100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,363.55	224.57
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0095	EA		100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,505.51	224.57
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0096	EA		100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,640.32	280.71
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0097	EA		100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,780.44	280.71
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0098	EA		100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,925.11	339.40
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0099	EA		100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,060.69	339.40
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0100	EA		100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,206.18	403.21
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0101	EA		100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,347.88	403.21
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0102	EA		100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,481.05	459.35
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0103	EA		100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,621.16	459.35
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0104	EA		225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,905.66	558.87
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0105	EA		225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,045.66	558.87
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0106	EA		225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,192.40	612.46
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0107	EA		225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,309.19	612.46
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0108	EA		225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,468.42	676.26
			<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0109	EA		225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,592.34	676.26
			<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0110			480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0111	EA		50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,399.06	173.53
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0112	EA		50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,538.61	188.85
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0113	EA		50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	1,679.31	234.77
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0114	EA		100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,258.64	285.82
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0115	EA		100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	2,401.48	316.44
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0116	EA		100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,535.35	341.95
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0117	EA		100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,678.66	372.58
			<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0118	EA		100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	2,818.13	403.21
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0119	EA		100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	2,949.25	428.72
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0120	EA		100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,086.92	454.24
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0121	EA		100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,232.47	484.86
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0122	EA		100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	3,387.70	523.14
			<i>For NEMA 3R Panelboard, Add</i>	925.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0123	EA		225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	4,427.41	581.83
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0124	EA		225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	4,577.95	617.56
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0125	EA		225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	4,696.90	632.87
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0126	EA		225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	4,861.11	673.71
			<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0127	EA		225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	4,987.89	699.22
			<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0128 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,117.83 1,137.54 147.58	721.17
26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0130 EA 100 Amp Rating , 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,651.97 841.35	178.63
26 24 16 00-0131 EA 100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,931.60 841.35	178.63
26 24 16 00-0132 EA 100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,208.11 841.35	237.33
26 24 16 00-0133 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,485.58 841.35	237.33
26 24 16 00-0134 EA 100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,764.97 841.35	293.47
26 24 16 00-0135 EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,041.87 841.35	293.47
26 24 16 00-0136 EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,320.71 841.35	352.16
26 24 16 00-0137 EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,599.03 925.26 67.61	352.16
26 24 16 00-0138 EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,888.36 925.26 67.61	413.41
26 24 16 00-0139 EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,156.64 925.26 67.61	413.41
26 24 16 00-0140 EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,431.07 925.26 67.61	415.96
26 24 16 00-0141 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,712.90 925.26 67.61	415.96
26 24 16 00-0142 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,149.70 1,092.95 115.47	576.74
26 24 16 00-0143 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,432.01 1,092.95 115.47	576.74
26 24 16 00-0144 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,685.91 1,092.95 115.47	607.36
26 24 16 00-0145 EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,979.68 1,092.95 115.47	648.19
26 24 16 00-0146 EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,240.09 1,137.54 147.58	648.19
26 24 16 00-0147 EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,548.84 1,137.54 147.58	709.43
26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0149 EA 50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,006.03 841.35	219.47
26 24 16 00-0150 EA 50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,288.48 841.35	219.47
26 24 16 00-0151 EA 50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,566.33 841.35	290.92
26 24 16 00-0152 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,078.29 841.35	290.92

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 16 00-0153	EA	100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	3,360.85	367.48
		<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0154	EA	100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	3,643.25	367.48
		<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0155	EA	100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	3,921.80	421.07
		<i>For NEMA 3R Panelboard, Add</i>	841.35	
26 24 16 00-0156	EA	100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,192.00	421.07
		<i>For NEMA 3R Panelboard, Add</i>	925.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0157	EA	100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,468.76	479.76
		<i>For NEMA 3R Panelboard, Add</i>	925.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0158	EA	100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,753.39	479.76
		<i>For NEMA 3R Panelboard, Add</i>	925.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0159	EA	100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	5,021.77	530.80
		<i>For NEMA 3R Panelboard, Add</i>	925.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0160	EA	100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	5,295.11	530.80
		<i>For NEMA 3R Panelboard, Add</i>	925.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0161	EA	225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	7,228.84	627.77
		<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0162	EA	225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	7,522.61	627.77
		<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0163	EA	225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	7,783.03	686.46
		<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0164	EA	225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	8,091.77	686.46
		<i>For NEMA 3R Panelboard, Add</i>	1,092.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0165	EA	225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	8,360.79	750.27
		<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0166	EA	225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	8,105.17	750.27
		<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0167	EA	400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	10,059.26	835.50
		<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0168	EA	600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity	12,296.23	1,002.90
		<i>For NEMA 3R Panelboard, Add</i>	1,137.54	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	

26 24 16 00-0169 Unassembled Lighting And Power Panelboards (26 24 16 00-0001)

Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device).

26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0169)

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase**Unassembled Panelboards** (26 24 16 00-0170)

26 24 16 00-0172	EA	100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	460.48	
26 24 16 00-0173	EA	100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	525.43	
26 24 16 00-0174	EA	225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	696.19	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0175	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	799.67	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0176	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	901.22	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0177 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	999.25	
For Door-In-Door (Hinged) Trim Front, Add	67.61	
26 24 16 00-0178 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,081.39	
For Door-In-Door (Hinged) Trim Front, Add	115.47	
26 24 16 00-0179 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,180.06	
For Door-In-Door (Hinged) Trim Front, Add	147.58	
26 24 16 00-0180 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,213.46	
For Door-In-Door (Hinged) Trim Front, Add	67.61	
26 24 16 00-0181 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,293.00	
For Door-In-Door (Hinged) Trim Front, Add	115.47	
26 24 16 00-0182 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,401.60	
For Door-In-Door (Hinged) Trim Front, Add	147.58	
26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		
26 24 16 00-0184 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	679.47	
26 24 16 00-0185 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	762.57	
26 24 16 00-0186 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,207.09	
For Door-In-Door (Hinged) Trim Front, Add	67.61	
26 24 16 00-0187 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,331.53	
For Door-In-Door (Hinged) Trim Front, Add	115.47	
26 24 16 00-0188 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,444.77	
For Door-In-Door (Hinged) Trim Front, Add	147.58	
26 24 16 00-0189 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,625.07	
For Door-In-Door (Hinged) Trim Front, Add	67.61	
26 24 16 00-0190 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,746.42	
For Door-In-Door (Hinged) Trim Front, Add	115.47	
26 24 16 00-0191 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,861.06	
For Door-In-Door (Hinged) Trim Front, Add	147.58	
26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		
26 24 16 00-0193 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	981.77	
26 24 16 00-0194 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,040.77	
26 24 16 00-0195 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,199.11	
26 24 16 00-0196 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,300.10	
26 24 16 00-0197 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,392.23	
26 24 16 00-0198 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,586.57	
26 24 16 00-0199 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,662.26	
26 24 16 00-0200 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,754.97	
26 24 16 00-0201 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,834.04	
26 24 16 00-0202 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,910.46	
26 24 16 00-0203 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,009.94	
26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		
26 24 16 00-0205 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,194.80	
26 24 16 00-0206 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,271.45	
26 24 16 00-0207 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,806.33	
26 24 16 00-0208 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,918.85	
26 24 16 00-0209 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,023.15	
26 24 16 00-0210 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,191.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0211	EA		400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,306.44	
26 24 16 00-0212	EA		400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,419.58	
26 24 16 00-0213			240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
			Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0214			Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215	EA		100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	515.42	
26 24 16 00-0216	EA		100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	602.77	
26 24 16 00-0217	EA		100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	671.89	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0218	EA		225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	746.76	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0219	EA		225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	857.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0220	EA		225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	945.77	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0221	EA		400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,088.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0222	EA		400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,168.65	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0223	EA		400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,255.12	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0224	EA		600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,313.50	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0225	EA		600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,457.97	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0226	EA		600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,748.50	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0227			Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228	EA		100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	800.47	
26 24 16 00-0229	EA		100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	900.31	
26 24 16 00-0230	EA		100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,002.53	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0231	EA		225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,517.37	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0232	EA		225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,638.80	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0233	EA		225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,741.27	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0234	EA		400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,451.61	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0235	EA		400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,560.47	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0236	EA		400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,652.53	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0237			Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0238	EA		100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,036.71	
26 24 16 00-0239	EA		100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,118.10	
26 24 16 00-0240	EA		100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,180.76	
26 24 16 00-0241	EA		225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,249.68	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0242	EA	225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,357.57	
26 24 16 00-0243	EA	225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,436.77	
26 24 16 00-0244	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,675.69	
26 24 16 00-0245	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,749.52	
26 24 16 00-0246	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,830.03	
26 24 16 00-0247	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,934.09	
26 24 16 00-0248	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,067.14	
26 24 16 00-0249	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,357.67	
26 24 16 00-0250		Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0251	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,315.80	
26 24 16 00-0252	EA	100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,409.19	
26 24 16 00-0253	EA	100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,507.93	
26 24 16 00-0254	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,116.60	
26 24 16 00-0255	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,226.12	
26 24 16 00-0256	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,319.65	
26 24 16 00-0257	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,538.08	
26 24 16 00-0258	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,652.10	
26 24 16 00-0259	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,752.90	
26 24 16 00-0260		480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
26 24 16 00-0261		Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262	EA	125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	764.66	
26 24 16 00-0263	EA	125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	831.17	
26 24 16 00-0264	EA	250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,133.99	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0265	EA	250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,257.81	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0266	EA	250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,364.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0267	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,334.83	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0268	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,398.52	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0269	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,514.46	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0270	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,523.50	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0271	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,632.09	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0272	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,776.28	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0273		Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,611.69	
26 24 16 00-0275	EA	100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,662.97	
26 24 16 00-0276	EA	125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,802.31	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**MINOR
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26 24 16 00-0277	EA	125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,890.14	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0278	EA	125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,047.12	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0279	EA	250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,665.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0280	EA	250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,771.62	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0281	EA	250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,904.29	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0282	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,956.15	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	
26 24 16 00-0283	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,076.54	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	115.47	
26 24 16 00-0284	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,191.02	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	147.58	
26 24 16 00-0285		Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0280)</small>		
26 24 16 00-0286	EA	125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,268.08	
26 24 16 00-0287	EA	125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,334.58	
26 24 16 00-0288	EA	250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,625.50	
26 24 16 00-0289	EA	250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,835.70	
26 24 16 00-0290	EA	250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,932.16	
26 24 16 00-0291	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,902.78	
26 24 16 00-0292	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,951.58	
26 24 16 00-0293	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,046.18	
26 24 16 00-0294	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,104.87	
26 24 16 00-0295	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,201.18	
26 24 16 00-0296	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,318.94	
26 24 16 00-0297		Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0280)</small>		
26 24 16 00-0298	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,222.34	
26 24 16 00-0299	EA	100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,273.63	
26 24 16 00-0300	EA	125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,298.28	
26 24 16 00-0301	EA	125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,381.65	
26 24 16 00-0302	EA	125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,625.01	
26 24 16 00-0303	EA	250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,233.51	
26 24 16 00-0304	EA	250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,324.69	
26 24 16 00-0305	EA	250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,436.01	
26 24 16 00-0306	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,487.86	
26 24 16 00-0307	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,594.51	
26 24 16 00-0308	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,706.72	
26 24 16 00-0309		480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
26 24 16 00-0310		Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311	EA	125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	798.42	
26 24 16 00-0312	EA	125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	865.42	
26 24 16 00-0313	EA	125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	997.07	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	67.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0314	EA		250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,183.65 67.61	
26 24 16 00-0315	EA		250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,308.52 115.47	
26 24 16 00-0316	EA		250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,413.94 147.58	
26 24 16 00-0317	EA		400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,400.65 67.61	
26 24 16 00-0318	EA		400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,479.94 115.47	
26 24 16 00-0319	EA		400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,595.07 147.58	
26 24 16 00-0320	EA		600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,604.43 67.61	
26 24 16 00-0321	EA		600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,713.16 115.47	
26 24 16 00-0322	EA		600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,857.72 147.58	
26 24 16 00-0323			Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324	EA		100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,785.45	
26 24 16 00-0325	EA		100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,837.23	
26 24 16 00-0326	EA		100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,987.52 67.61	
26 24 16 00-0327	EA		125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,041.14	
26 24 16 00-0328	EA		125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,129.42 67.61	
26 24 16 00-0329	EA		125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,285.89 115.47	
26 24 16 00-0330	EA		250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,945.88 67.61	
26 24 16 00-0331	EA		250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,053.23 115.47	
26 24 16 00-0332	EA		250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,184.50 147.58	
26 24 16 00-0333	EA		400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,292.04 67.61	
26 24 16 00-0334	EA		400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,413.80 115.47	
26 24 16 00-0335	EA		400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,528.00 147.58	
26 24 16 00-0336			Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337	EA		125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,301.84	
26 24 16 00-0338	EA		125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,368.84	
26 24 16 00-0339	EA		125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,493.04	
26 24 16 00-0340	EA		250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,675.15	
26 24 16 00-0341	EA		250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,886.41	
26 24 16 00-0342	EA		250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,981.90	
26 24 16 00-0343	EA		400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,970.09	
26 24 16 00-0344	EA		400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,033.00	
26 24 16 00-0345	EA		400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,126.79	
26 24 16 00-0346	EA		600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,185.80	
26 24 16 00-0347	EA		600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,282.11	
26 24 16 00-0348	EA		600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,399.86	
26 24 16 00-0349			Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350	EA		100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,276.95	
26 24 16 00-0351	EA		100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,328.73	
26 24 16 00-0352	EA		100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,565.41	
26 24 16 00-0353	EA		125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,537.11	
26 24 16 00-0354	EA		125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,620.92	

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26 24 16 00-0355	EA	125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,863.78	
26 24 16 00-0356	EA	250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,513.84	
26 24 16 00-0357	EA	250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,606.29	
26 24 16 00-0358	EA	250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,716.21	
26 24 16 00-0359	EA	400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,823.76	
26 24 16 00-0360	EA	400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,931.61	
26 24 16 00-0361	EA	400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,043.33	

26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0169)

Note: Square D I-Line or equal.

26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0362)

26 24 16 00-0364	EA	400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,232.44	151.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.13	
26 24 16 00-0365	EA	400 Amp Rating, 45" Breaker Mounted Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,481.37	151.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.11	
26 24 16 00-0366	EA	400 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,668.77	151.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.11	
26 24 16 00-0367	EA	600 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,791.91	249.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.62	
26 24 16 00-0368	EA	600 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,936.95	249.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.62	
26 24 16 00-0369	EA	600 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,096.12	249.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.62	
26 24 16 00-0370	EA	800 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,173.69	331.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.88	
26 24 16 00-0371	EA	800 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,311.77	332.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	199.49	
26 24 16 00-0372	EA	800 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,370.08	331.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.88	
26 24 16 00-0373	EA	800 Amp Rating, 99" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,830.24	331.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.88	
26 24 16 00-0374	EA	1,200 Amp Rating, 27" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,590.89	498.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	299.24	
26 24 16 00-0375	EA	1,200 Amp Rating, 45" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,904.08	498.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	299.24	
26 24 16 00-0376	EA	1,200 Amp Rating, 63" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,160.15	498.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	299.24	
26 24 16 00-0377	EA	1,200 Amp Rating, 99" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,472.70	498.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	299.24	

26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0362)

26 24 16 00-0379	EA	225 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,584.67	155.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.06	
26 24 16 00-0380	EA	400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,433.69	175.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.56	
26 24 16 00-0381	EA	400 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,614.67	175.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.56	
26 24 16 00-0382	EA	400 Amp Rating, 81" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,147.35	175.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.56	
26 24 16 00-0383	EA	600 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,322.76	288.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.03	
26 24 16 00-0384	EA	600 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,620.79	289.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.49	
26 24 16 00-0385	EA	600 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,868.27	288.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0386 EA 800 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,699.22	385.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	231.32	
26 24 16 00-0387 EA 800 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,055.26	384.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	230.51	
26 24 16 00-0388 EA 800 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,408.24	384.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	230.51	
26 24 16 00-0389 Branch Circuit Breakers (26 24 16 00-0001)		
Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.		
26 24 16 00-0390 Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)		
Note: Includes connection of electrical wire.		
26 24 16 00-0391 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	26.87	9.18
For Bolt-On, Add	6.93	
For Installation In New Panelboard, Deduct	-5.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.12	
26 24 16 00-0392 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	26.87	9.18
For Bolt-On, Add	6.93	
For Installation In New Panelboard, Deduct	-5.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.12	
26 24 16 00-0393 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	40.43	11.48
For Bolt-On, Add	9.52	
For Installation In New Panelboard, Deduct	-6.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.66	
26 24 16 00-0394 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	65.06	11.23
For Bolt-On, Add	12.42	
For Installation In New Panelboard, Deduct	-6.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 24 16 00-0395 EA 1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	94.37	11.23
For Bolt-On, Add	16.08	
For Installation In New Panelboard, Deduct	-6.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 24 16 00-0396 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	111.09	11.23
For Bolt-On, Add	18.17	
For Installation In New Panelboard, Deduct	-6.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 24 16 00-0397 EA 1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity.....	48.90	11.23
For Bolt-On, Add	10.40	
For Installation In New Panelboard, Deduct	-6.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 24 16 00-0398 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	45.53	13.78
For Bolt-On, Add	11.05	
For Installation In New Panelboard, Deduct	-7.66	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.19	
26 24 16 00-0399 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	45.53	13.78
For Bolt-On, Add	11.05	
For Installation In New Panelboard, Deduct	-7.66	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.19	
26 24 16 00-0400 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	70.66	18.38
For Bolt-On, Add	15.98	
For Installation In New Panelboard, Deduct	-10.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.25	
26 24 16 00-0401 EA 2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	123.14	22.96
For Bolt-On, Add	24.32	
For Installation In New Panelboard, Deduct	-12.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.31	
26 24 16 00-0402 EA 2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	146.62	25.52
For Bolt-On, Add	28.15	
For Installation In New Panelboard, Deduct	-14.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0403 EA 2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	128.33	16.33
For Bolt-On, Add	22.47	
For Installation In New Panelboard, Deduct	-9.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 24 16 00-0404 EA 2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	176.28	16.33
For Bolt-On, Add	28.46	
For Installation In New Panelboard, Deduct	-9.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0405	EA	3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity		93.03	18.38
		<i>For Bolt-On, Add</i>		18.77	
		<i>For Installation In New Panelboard, Deduct</i>		-10.21	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		12.25	
26 24 16 00-0406	EA	3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity		93.03	18.38
		<i>For Bolt-On, Add</i>		18.77	
		<i>For Installation In New Panelboard, Deduct</i>		-10.21	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		12.25	
26 24 16 00-0407	EA	3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity		122.85	22.96
		<i>For Bolt-On, Add</i>		24.29	
		<i>For Installation In New Panelboard, Deduct</i>		-12.76	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		15.31	
26 24 16 00-0408	EA	3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity		191.70	27.56
		<i>For Bolt-On, Add</i>		34.68	
		<i>For Installation In New Panelboard, Deduct</i>		-15.31	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		18.37	
26 24 16 00-0409	EA	3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity		247.04	32.16
		<i>For Bolt-On, Add</i>		43.38	
		<i>For Installation In New Panelboard, Deduct</i>		-17.86	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		21.44	
26 24 16 00-0410		Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)			
		<i>Note: Includes connection of electrical wire.</i>			
26 24 16 00-0411	EA	1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		42.06	9.18
		<i>For Bolt-On, Add</i>		8.83	
		<i>For Installation In New Panelboard, Deduct</i>		-5.10	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.12	
26 24 16 00-0412	EA	1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		42.06	9.18
		<i>For Bolt-On, Add</i>		8.83	
		<i>For Installation In New Panelboard, Deduct</i>		-5.10	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.12	
26 24 16 00-0413	EA	1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		79.27	11.48
		<i>For Bolt-On, Add</i>		14.37	
		<i>For Installation In New Panelboard, Deduct</i>		-6.38	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.66	
26 24 16 00-0414	EA	1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		127.55	11.23
		<i>For Bolt-On, Add</i>		20.23	
		<i>For Installation In New Panelboard, Deduct</i>		-6.13	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.35	
26 24 16 00-0415	EA	2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		85.53	13.78
		<i>For Bolt-On, Add</i>		16.05	
		<i>For Installation In New Panelboard, Deduct</i>		-7.66	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		9.19	
26 24 16 00-0416	EA	2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		85.53	13.78
		<i>For Bolt-On, Add</i>		16.05	
		<i>For Installation In New Panelboard, Deduct</i>		-7.66	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		9.19	
26 24 16 00-0417	EA	2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		175.74	18.38
		<i>For Bolt-On, Add</i>		29.11	
		<i>For Installation In New Panelboard, Deduct</i>		-10.21	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		12.25	
26 24 16 00-0418	EA	2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		241.14	22.96
		<i>For Bolt-On, Add</i>		39.07	
		<i>For Installation In New Panelboard, Deduct</i>		-12.76	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		15.31	
26 24 16 00-0419	EA	2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		361.41	25.52
		<i>For Bolt-On, Add</i>		55.00	
		<i>For Installation In New Panelboard, Deduct</i>		-14.04	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		16.84	
26 24 16 00-0420	EA	3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		139.43	18.38
		<i>For Bolt-On, Add</i>		24.57	
		<i>For Installation In New Panelboard, Deduct</i>		-10.21	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		12.25	
26 24 16 00-0421	EA	3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		139.43	18.38
		<i>For Bolt-On, Add</i>		24.57	
		<i>For Installation In New Panelboard, Deduct</i>		-10.21	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		12.25	
26 24 16 00-0422	EA	3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity		212.29	22.96
		<i>For Bolt-On, Add</i>		35.47	
		<i>For Installation In New Panelboard, Deduct</i>		-12.76	
		<i>Note: Also for use with new interiors in panelboards.</i>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		15.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0459 Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)

	Note: Includes connection of electrical wire.	
26 24 16 00-0460 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	139.19	13.78
For Bolt-On, Add	22.76	
For Installation In New Panelboard, Deduct	-7.66	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.19	
26 24 16 00-0461 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	139.19	13.78
For Bolt-On, Add	22.76	
For Installation In New Panelboard, Deduct	-7.66	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.19	
26 24 16 00-0462 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	214.03	18.38
For Bolt-On, Add	33.90	
For Installation In New Panelboard, Deduct	-10.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.25	
26 24 16 00-0463 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	354.05	22.96
For Bolt-On, Add	53.19	
For Installation In New Panelboard, Deduct	-12.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.31	
26 24 16 00-0464 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	558.07	28.58
For Bolt-On, Add	80.92	
For Installation In New Panelboard, Deduct	-15.95	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.14	
26 24 16 00-0465 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	635.07	29.86
For Bolt-On, Add	91.00	
For Installation In New Panelboard, Deduct	-16.59	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.91	
26 24 16 00-0466 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	692.23	34.46
For Bolt-On, Add	99.93	
For Installation In New Panelboard, Deduct	-19.14	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.97	
26 24 16 00-0467 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	201.36	18.38
For Bolt-On, Add	32.32	
For Installation In New Panelboard, Deduct	-10.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.25	
26 24 16 00-0468 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	201.36	18.38
For Bolt-On, Add	32.32	
For Installation In New Panelboard, Deduct	-10.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.25	
26 24 16 00-0469 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	253.82	22.96
For Bolt-On, Add	40.66	
For Installation In New Panelboard, Deduct	-12.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.31	
26 24 16 00-0470 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	441.37	27.56
For Bolt-On, Add	65.89	
For Installation In New Panelboard, Deduct	-15.31	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.37	
26 24 16 00-0471 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	649.42	35.73
For Bolt-On, Add	95.02	
For Installation In New Panelboard, Deduct	-19.78	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.73	
26 24 16 00-0472 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	767.76	41.34
For Bolt-On, Add	112.05	
For Installation In New Panelboard, Deduct	-22.97	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.56	
26 24 16 00-0473 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	831.66	43.89
For Bolt-On, Add	120.93	
For Installation In New Panelboard, Deduct	-24.24	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.09	

26 24 16 00-0474 Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)

	Note: Includes connection of electrical wire.	
26 24 16 00-0475 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	144.68	13.78
For Bolt-On, Add	23.44	
For Installation In New Panelboard, Deduct	-7.66	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.19	
26 24 16 00-0476 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	144.68	13.78
For Bolt-On, Add	23.44	
For Installation In New Panelboard, Deduct	-7.66	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0477	EA	2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity		264.73	18.38
For Bolt-On, Add				40.24	
For Installation In New Panelboard, Deduct				-10.21	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				12.25	
26 24 16 00-0478	EA	2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity		494.61	22.96
For Bolt-On, Add				70.76	
For Installation In New Panelboard, Deduct				-12.76	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				15.31	
26 24 16 00-0479	EA	2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity		790.41	28.58
For Bolt-On, Add				109.97	
For Installation In New Panelboard, Deduct				-15.95	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				19.14	
26 24 16 00-0480	EA	2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity		902.29	29.86
For Bolt-On, Add				124.40	
For Installation In New Panelboard, Deduct				-16.59	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				19.91	
26 24 16 00-0481	EA	2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity		980.60	34.46
For Bolt-On, Add				135.97	
For Installation In New Panelboard, Deduct				-19.14	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				22.97	
26 24 16 00-0482	EA	3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity		239.38	18.38
For Bolt-On, Add				37.07	
For Installation In New Panelboard, Deduct				-10.21	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				12.25	
26 24 16 00-0483	EA	3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity		239.38	18.38
For Bolt-On, Add				37.07	
For Installation In New Panelboard, Deduct				-10.21	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				12.25	
26 24 16 00-0484	EA	3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity		319.72	22.96
For Bolt-On, Add				48.90	
For Installation In New Panelboard, Deduct				-12.76	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				15.31	
26 24 16 00-0485	EA	3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity		601.98	27.56
For Bolt-On, Add				85.96	
For Installation In New Panelboard, Deduct				-15.31	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				18.37	
26 24 16 00-0486	EA	3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity		759.83	35.73
For Bolt-On, Add				108.82	
For Installation In New Panelboard, Deduct				-19.78	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				23.73	
26 24 16 00-0487	EA	3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity		1,226.58	41.34
For Bolt-On, Add				169.40	
For Installation In New Panelboard, Deduct				-22.97	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				27.56	
26 24 16 00-0488	EA	3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity		1,306.71	43.89
For Bolt-On, Add				180.31	
For Installation In New Panelboard, Deduct				-24.24	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				29.09	
26 24 16 00-0489	Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>				
<i>Note: Includes connection of electrical wire.</i>					
26 24 16 00-0490	EA	1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity		74.36	9.18
For Bolt-On, Add				12.87	
For Installation In New Panelboard, Deduct				-5.10	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				6.12	
26 24 16 00-0491	EA	1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity		74.36	9.18
For Bolt-On, Add				12.87	
For Installation In New Panelboard, Deduct				-5.10	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				6.12	
26 24 16 00-0492	EA	1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity		132.76	11.48
For Bolt-On, Add				21.06	
For Installation In New Panelboard, Deduct				-6.38	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				7.66	
26 24 16 00-0493	EA	2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity		167.17	13.78
For Bolt-On, Add				26.25	
For Installation In New Panelboard, Deduct				-7.66	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				9.19	
26 24 16 00-0494	EA	2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity		167.17	13.78
For Bolt-On, Add				26.25	
For Installation In New Panelboard, Deduct				-7.66	
<i>Note: Also for use with new interiors in panelboards.</i>					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				9.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0495 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	311.26	18.38
For Bolt-On, Add	46.05	
For Installation In New Panelboard, Deduct	-10.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.25	
26 24 16 00-0496 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	587.55	22.96
For Bolt-On, Add	82.38	
For Installation In New Panelboard, Deduct	-12.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.31	
26 24 16 00-0497 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,157.51	28.58
For Bolt-On, Add	155.85	
For Installation In New Panelboard, Deduct	-15.95	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.14	
26 24 16 00-0498 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	279.95	18.38
For Bolt-On, Add	42.14	
For Installation In New Panelboard, Deduct	-10.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.25	
26 24 16 00-0499 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	279.95	18.38
For Bolt-On, Add	42.14	
For Installation In New Panelboard, Deduct	-10.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.25	
26 24 16 00-0500 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	376.09	22.96
For Bolt-On, Add	55.94	
For Installation In New Panelboard, Deduct	-12.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.31	
26 24 16 00-0501 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	724.49	27.56
For Bolt-On, Add	101.28	
For Installation In New Panelboard, Deduct	-15.31	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.37	
26 24 16 00-0502 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,439.25	35.73
For Bolt-On, Add	193.75	
For Installation In New Panelboard, Deduct	-19.78	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.73	
26 24 16 00-0503 Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)		
Note: Includes connection of electrical wire.		
26 24 16 00-0504 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	113.35	9.18
For Bolt-On, Add	17.74	
For Installation In New Panelboard, Deduct	-5.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.12	
26 24 16 00-0505 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	113.35	9.18
For Bolt-On, Add	17.74	
For Installation In New Panelboard, Deduct	-5.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.12	
26 24 16 00-0506 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	174.22	11.48
For Bolt-On, Add	26.24	
For Installation In New Panelboard, Deduct	-6.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.66	
26 24 16 00-0507 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	212.27	13.78
For Bolt-On, Add	31.89	
For Installation In New Panelboard, Deduct	-7.66	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.19	
26 24 16 00-0508 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	212.27	13.78
For Bolt-On, Add	31.89	
For Installation In New Panelboard, Deduct	-7.66	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.19	
26 24 16 00-0509 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	408.36	18.38
For Bolt-On, Add	58.19	
For Installation In New Panelboard, Deduct	-10.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.25	
26 24 16 00-0510 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	752.31	22.96
For Bolt-On, Add	102.97	
For Installation In New Panelboard, Deduct	-12.76	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.31	
26 24 16 00-0511 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,522.04	25.52
For Bolt-On, Add	200.08	
For Installation In New Panelboard, Deduct	-14.04	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.84	
26 24 16 00-0512 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	370.34	18.38
For Bolt-On, Add	53.44	
For Installation In New Panelboard, Deduct	-10.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.25	

26	26	Electrical
	26 20	Low-Voltage Electrical Distribution
	26 24	Switchboards And Panelboards



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0513	EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	370.34	18.38
	<i>For Bolt-On, Add</i>	53.44	
	<i>For Installation In New Panelboard, Deduct</i>	-10.21	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.25	
26 24 16 00-0514	EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	515.74	22.96
	<i>For Bolt-On, Add</i>	73.40	
	<i>For Installation In New Panelboard, Deduct</i>	-12.76	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 24 16 00-0515	EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	847.00	27.56
	<i>For Bolt-On, Add</i>	116.59	
	<i>For Installation In New Panelboard, Deduct</i>	-15.31	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37	
26 24 16 00-0516	EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	1,916.77	35.73
	<i>For Bolt-On, Add</i>	253.44	
	<i>For Installation In New Panelboard, Deduct</i>	-19.78	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.73	
26 24 16 00-0517	Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)		
	<i>Note: Includes connection of electrical wire.</i>		
26 24 16 00-0518	EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	46.05	9.18
	<i>For Bolt-On, Add</i>	9.33	
	<i>For Installation In New Panelboard, Deduct</i>	-5.10	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 24 16 00-0519	EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	102.89	13.78
	<i>For Bolt-On, Add</i>	18.22	
	<i>For Installation In New Panelboard, Deduct</i>	-7.66	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.19	
26 24 16 00-0520	EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	166.72	18.38
	<i>For Bolt-On, Add</i>	27.99	
	<i>For Installation In New Panelboard, Deduct</i>	-10.21	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.25	
26 24 16 00-0521	EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	106.67	9.18
	<i>For Bolt-On, Add</i>	16.91	
	<i>For Installation In New Panelboard, Deduct</i>	-5.10	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 24 16 00-0522	EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	106.67	9.18
	<i>For Bolt-On, Add</i>	16.91	
	<i>For Installation In New Panelboard, Deduct</i>	-5.10	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 24 16 00-0523	EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	212.35	18.38
	<i>For Bolt-On, Add</i>	33.69	
	<i>For Installation In New Panelboard, Deduct</i>	-10.21	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.25	
26 24 16 00-0524	EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	249.43	13.78
	<i>For Bolt-On, Add</i>	36.54	
	<i>For Installation In New Panelboard, Deduct</i>	-7.66	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.19	
26 24 16 00-0525	EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	249.43	13.78
	<i>For Bolt-On, Add</i>	36.54	
	<i>For Installation In New Panelboard, Deduct</i>	-7.66	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.19	
26 24 16 00-0526	EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	492.10	18.38
	<i>For Bolt-On, Add</i>	68.66	
	<i>For Installation In New Panelboard, Deduct</i>	-10.21	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.25	
26 24 16 00-0527	EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	845.25	22.96
	<i>For Bolt-On, Add</i>	114.59	
	<i>For Installation In New Panelboard, Deduct</i>	-12.76	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 24 16 00-0528	EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	1,887.20	28.58
	<i>For Bolt-On, Add</i>	247.07	
	<i>For Installation In New Panelboard, Deduct</i>	-15.95	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.14	
26 24 16 00-0529	EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	423.49	18.38
	<i>For Bolt-On, Add</i>	60.08	
	<i>For Installation In New Panelboard, Deduct</i>	-10.21	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.25	
26 24 16 00-0530	EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	423.49	18.38
	<i>For Bolt-On, Add</i>	60.08	
	<i>For Installation In New Panelboard, Deduct</i>	-10.21	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,525.78 47.60	79.32
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,387.86 50.39	83.99
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,299.14 57.39	95.66
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,293.41 67.19	111.99
26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,176.62 44.79	74.66
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,525.78 47.60	79.32
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,387.86 50.39	83.99
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,299.14 57.39	95.66
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,293.41 67.19	111.99
26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,844.08 41.99	69.99
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,877.89 44.79	74.66
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,698.68 47.60	79.32
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,323.57 54.59	90.99
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,461.80 64.40	107.32
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,844.08 41.99	69.99
26 24 19 00-0139 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,877.89 44.79	74.66
26 24 19 00-0140 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,698.68 47.60	79.32
26 24 19 00-0141 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,323.57 54.59	90.99
26 24 19 00-0142 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,461.80 64.40	107.32
26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0144 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,789.19 29.40	48.99
26 24 19 00-0145 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,983.23 32.20	53.66
26 24 19 00-0146 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,622.96 36.40	60.66
26 24 19 00-0147 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,256.40 41.99	69.99
26 24 19 00-0148 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,535.16 56.00	93.32
26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,789.19 29.40	48.99
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,983.23 32.20	53.66
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,622.96 36.40	60.66
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,256.40 41.99	69.99
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,535.16 56.00	93.32
26 24 19 00-0155		230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,784.55 44.79	74.66
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,988.34 51.79	86.32
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,634.38 57.39	95.66
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,939.55 69.99	116.66
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,986.17 89.60	149.31
26 24 19 00-0161		480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,784.55 44.79	74.66
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,988.34 51.79	86.32
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,634.38 57.39	95.66
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,939.55 69.99	116.66
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,986.17 89.60	149.31
26 24 19 00-0167		230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,011.09 36.40	60.66
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,046.39 44.79	74.66
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,946.64 51.79	86.32
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,414.29 57.39	95.66
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,607.63 69.99	116.66
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59,744.29 89.60	149.31
26 24 19 00-0174		480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,011.11 36.41	60.66
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,046.39 44.79	74.66
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,946.64 51.79	86.32
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,414.29 57.39	95.66
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,607.63 69.99	116.66
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59,744.29 89.60	149.31
26 24 19 00-0181		Combination Starters With Fusible Switch (26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0256	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	18,487.65	74.66
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.79	
26 24 19 00-0257	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	20,407.57	86.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.79	
26 24 19 00-0258	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	30,967.68	95.66
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.39	
26 24 19 00-0259	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	42,261.37	116.66
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.99	
26 24 19 00-0260	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	57,369.61	149.31
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.60	
26 24 19 00-0261			480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)		
			Note: Energy saver.		
26 24 19 00-0262	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	17,444.48	60.66
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.40	
26 24 19 00-0263	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	18,487.65	74.66
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.79	
26 24 19 00-0264	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	20,407.57	86.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.79	
26 24 19 00-0265	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	30,967.68	95.66
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.39	
26 24 19 00-0266	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	42,261.37	116.66
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.99	
26 24 19 00-0267	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	57,369.61	149.31
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.60	
26 24 19 00-0268			Starter Accessories (26 24 19)		
26 24 19 00-0269			Starter Modifications (26 24 19 00-0268)		
26 24 19 00-0270	EA		Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard.....	103.31	
26 24 19 00-0271	EA		Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard	306.92	
26 24 19 00-0272	EA		Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA	438.74	
26 24 19 00-0273	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA	110.18	
26 24 19 00-0274	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA	155.43	
26 24 19 00-0275	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA	261.67	
26 24 19 00-0276	EA		Overload Relay Heater Elements, 3 Per Starter	64.92	
26 24 19 00-0277	EA		N.O. Overload Relay Alarm	55.09	
26 24 19 00-0278	EA		Control Circuit Fuses, Primary/Secondary	36.05	
26 24 19 00-0279	EA		Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton.....	44.56	
26 24 19 00-0280	EA		Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton.....	87.16	
26 24 19 00-0281	EA		Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	44.56	
26 24 19 00-0282	EA		Control Devices Type PB2 Mount On Device, Individual Light Full V	51.12	
26 24 19 00-0283	EA		Control Devices Type PB2 Mount On Device, Individual Light Transformer	61.60	
26 24 19 00-0284	EA		Control Devices Type PB2 Mount On Device, Individual Light Push To.....	72.75	
26 24 19 00-0285	EA		Blank Devices Panel.....	13.76	
26 24 19 00-0286	EA		Oversize Or Special Color Starter.....	21.63	
26 24 19 00-0287	EA		Mini Voltmeter/Ammeter With Current Transformer	194.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.20	
26 24 19 00-0288	EA		Mini Elapsed Time Meters, Non Resettable.....	176.53	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.20	
26 24 19 00-0289	EA		Panel Elapsed Time Meter, Resettable	255.59	
26 24 19 00-0290	EA		Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	21.63	
26 24 19 00-0291	EA		Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw.....	30.80	
26 24 19 00-0292	EA		Terminal Blocks, Front Mounted, Press Connection, Standard	21.63	
26 24 19 00-0293	EA		Terminal Blocks, Front Mounted, Press Connection, Plug-In	30.80	
26 24 19 00-0294	EA		Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	30.80	
26 24 19 00-0295	EA		Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type.....	44.56	
26 24 19 00-0296	EA		MOR - A Solid State Modular Overload Relay	110.76	
26 24 19 00-0297	EA		Heater Module	43.71	
26 24 19 00-0298	EA		LAM - Long Acceleration Module.....	271.53	
26 24 19 00-0299	EA		JAM - Jam Protection Module.....	311.26	
26 24 19 00-0300	EA		PUM - Phase Unbalance Module.....	590.73	
26 24 19 00-0301	EA		ULM - Underload Module.....	283.45	
26 24 19 00-0302	EA		Wiring To Common Control Circuit Transformer.....	62.25	
26 24 19 00-0303	EA		Handle Operator Separable Source Control Circuit	116.56	
26 24 19 00-0304	EA		Type SIS Control Wire	49.01	
26 24 19 00-0305	EA		Ring Or Spade Terminals Control.....	62.25	
26 24 19 00-0306	EA		Ring Terminals Power	62.25	
26 24 19 00-0307	EA		14 Gauge Control Wire	49.01	
26 24 19 00-0308	EA		Wiremakers.....	62.25	
26 24 19 00-0309	EA		Wiring Diagram On Door.....	37.09	
26 24 19 00-0310	EA		Special Color Or Type Control Wire.....	45.03	
26 24 19 00-0311	EA		Current Transformer 12.5 VA.....	353.64	
26 24 19 00-0312	EA		Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	1,129.81	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6.....	1,271.53	
26 24	19 00-0314		Control Relays And Special Components <small>(26 24 19 00-0268)</small>		
26 24	19 00-0315	EA	Control Relays, 600 Volt, 2 Pole.....	295.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.20	
26 24	19 00-0316	EA	Control Relays, 600 Volt, 4 Pole.....	347.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.00	
26 24	19 00-0317	EA	Control Relays, 600 Volt, 6 Pole.....	404.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.20	
26 24	19 00-0318	EA	Control Relays, 600 Volt, 8 Pole.....	448.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.00	
26 24	19 00-0319	EA	Control Relays, Pneumatic Timer.....	397.96	
26 24	19 00-0320	EA	Control Relays, Motor Driven Timer.....	1,037.01	
26 24	19 00-0321	EA	Control Relays, 7 Day Time Switch.....	1,305.22	
26 24	19 00-0322	EA	Control Relays, 24 Hour Time Switch.....	366.00	
26 24	19 00-0323	EA	Control Relays, Phase Voltage.....	622.59	
26 24	19 00-0324	EA	Control Relays, Two Circuit Alternator.....	871.44	
26 24	19 00-0325	EA	Control Relays, Manual 120 Volt.....	85.21	
26 24	19 00-0326	EA	Control Relays, Over-Current Relay.....	2,527.17	
26 24	19 00-0327	EA	Control Relays, UV-Relay.....	2,140.41	
26 24	19 00-0328	EA	Control Relays, Over-Current Relay.....	2,140.41	
26 24	19 00-0329	EA	Control Relays, Teleductor.....	641.96	
26 24	19 00-0330	EA	Control Relays, Current Transducer.....	1,726.42	
26 24	19 00-0331	EA	Control Relays, Watt Transducer.....	3,452.83	
26 24	19 00-0332	EA	Control Relays, Blank, Add For Each 1x.....	117.16	
26 24	19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway.....	175.26	
26 24	19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway.....	197.53	
26 24	19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway.....	219.80	
26 24	19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway.....	197.53	
26 24	19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway.....	219.80	
26 24	19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway.....	231.42	
26 24	19 00-0339		Circuit Breaker Modifications/Accessories <small>(26 24 19 00-0268)</small>		
26 24	19 00-0340	EA	Circuit Breaker, Shunt Trip.....	251.88	
26 24	19 00-0341	EA	Circuit Breaker, Auxiliary Switch.....	87.00	
26 24	19 00-0342	EA	Circuit Breaker, Key Interlock.....	312.92	
26 24	19 00-0343	EA	Circuit Breaker, GFR Ground Fault.....	1,442.53	
26 24	19 00-0344	EA	Circuit Breaker, Seltronic Breaker.....	835.63	
26 24	19 00-0345		Incoming Line And Feeder Circuit Breakers <small>(26 24 19 00-0268)</small>		
26 24	19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100.....	1,032.86	30.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20	
26 24	19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150.....	1,796.96	46.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 24	19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100.....	1,752.17	30.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20	
26 24	19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150.....	2,514.76	46.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 24	19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150.....	3,247.70	46.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 24	19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250.....	1,964.31	60.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.41	
26 24	19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400.....	3,230.55	65.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.20	
26 24	19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600.....	4,264.22	83.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.37	
26 24	19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800.....	4,976.94	128.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.02	
26 24	19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200.....	7,032.55	193.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.28	
26 24	19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000.....	15,639.65	256.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.85	
26 24	19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500.....	23,450.89	321.96
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.00	
26 24	19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000.....	39,340.35	373.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	224.17	
26 24	19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,249.41	30.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20	
26 24	19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150.....	2,007.45	46.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 24	19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,249.41	30.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20	
26 24	19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50.....	2,007.45	46.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 24	19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150.....	2,153.48	30.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20	
26 24	19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150.....	2,941.81	46.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 24	19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	3,665.66	46.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	
26 24	19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100.....	1,902.96	46.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,807.33 77.02	128.32
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,807.33 77.02	128.32
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,518.96 83.96	139.98
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,155.66 97.95	163.31
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,376.76 116.28	193.65
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)		
26 24 19 00-0373 EA Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps	1,028.43	46.66
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	1,609.89	46.66
26 24 19 00-0375 EA Incoming Line And Feeder Fusible Switches, 100 Amps	1,779.41	58.32
26 24 19 00-0376 EA Incoming Line And Feeder Fusible Switches, 200 Amps	2,924.89	69.99
26 24 19 00-0377 EA Incoming Line And Feeder Fusible Switches, 400 Amps	5,827.39	88.66
26 24 19 00-0378 EA Incoming Line And Feeder Fusible Switches, 600 Amps	8,183.63	116.66
26 24 19 00-0379 EA Incoming Line And Feeder Fusible Switches, 800 Amps	20,064.04	156.31
26 24 19 00-0380 EA Incoming Line And Feeder Fusible Switches, 1,200 Amps	22,585.88	216.98
26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers	1,032.78	
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers	1,066.10	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers	1,100.93	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers	1,262.96	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers	1,368.97	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers	1,421.20	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers	1,862.65	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers	2,098.88	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers	4,879.22	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers	2,589.53	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers	3,587.49	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers	5,590.97	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers	5,177.55	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers	7,174.97	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers	6,794.75	
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers	9,411.99	
26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type	211.03	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type	461.38	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel	190.06	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type	461.38	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch	256.25	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits	271.98	
26 24 19 00-0405 EA Add For Additional Circuits	72.85	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter	951.59	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor	996.81	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour	878.84	
26 24 19 00-0409 EA Add For Demand Attachment	476.82	
26 24 19 00-0410 EA Metering Equipment, Current Transformer, 800 Amp	262.80	
26 24 19 00-0411 EA Metering Equipment, Current Transformer, 1,000 Amp	453.51	
26 24 19 00-0412 EA Metering Equipment, Current Transformer, 2,000 Amp	528.22	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer	440.40	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester	473.83	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System	362.42	
26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)		
26 24 19 00-0417 EA Current Limiting Reactors, 600 Amps	18,691.58	
26 24 19 00-0418 EA Current Limiting Reactors, 800 Amps	27,220.38	
26 24 19 00-0419 EA Current Limiting Reactors, 1,000 Amps	35,768.86	
26 24 19 00-0420 EA Current Limiting Reactors, 1,200 Amps	54,446.81	
26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)		
26 24 19 00-0422 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	426.93	
26 24 19 00-0423 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	426.93	
26 24 19 00-0424 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	590.23	
26 24 19 00-0425 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,080.12	
26 24 19 00-0426 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	590.23	
26 24 19 00-0427 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	753.52	
26 24 19 00-0428 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	753.52	
26 24 19 00-0429 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,078.15	
26 24 19 00-0430 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	753.52	
26 24 19 00-0431 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,078.15	
26 24 19 00-0432 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	916.82	
26 24 19 00-0433 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	2,972.77	
26 24 19 00-0434 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	916.82	
26 24 19 00-0435 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,078.15	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



Table with 4 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST

Table listing items 26 24 19 00-0436 to 26 24 19 00-0442 with descriptions and costs.

26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)

Table listing items 26 24 19 00-0444 to 26 24 19 00-0457 under the section header.

26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)

Table listing items 26 24 19 00-0459 to 26 24 19 00-0483 under the section header.

26 24 19 00-0484 Motor Control Centers (26 24 19)

26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)

Table listing items 26 24 19 00-0486 to 26 24 19 00-0499 under the section header.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0500 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,169.29 69.99	116.66
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,457.75 81.20	135.31
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,185.77 86.79	144.65
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,912.17 92.39	153.98
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,141.59 100.79	167.98
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,236.01 111.99	186.65
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,849.88 119.00	198.32
26 24 19 00-0507 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71,665.95 139.99	233.31
26 24 19 00-0508 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76,343.50 154.00	256.64
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80,410.01 168.00	279.97
26 24 19 00-0510 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87,560.58 182.01	303.35
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,726.13 56.00	93.32
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,749.47 63.00	104.99
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,772.79 69.99	116.66
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,796.11 76.99	128.32
26 24 19 00-0515 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,822.66 83.99	139.98
26 24 19 00-0516 EA 2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,846.02 91.00	151.65
26 24 19 00-0517 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,869.34 97.99	163.31
26 24 19 00-0518 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,962.64 125.98	209.98
26 24 19 00-0519 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,520.79 139.99	233.31
26 24 19 00-0520 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,567.49 154.00	256.64
26 24 19 00-0521 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,325.00 168.00	279.97
26 24 19 00-0522 EA Add For Reversing Starters, 100 To 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,345.10 28.00	
26 24 19 00-0523 EA Add For Reversing Starters, 1,000 To 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,570.21 28.00	
26 24 19 00-0524 EA Add For Reversing Starters, 1,750 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,630.25 28.00	
26 24 19 00-0525 4.8 KV Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0526 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,445.86 83.99	139.98
26 24 19 00-0527 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,469.22 91.00	151.65
26 24 19 00-0528 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,492.54 97.99	163.31
26 24 19 00-0529 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,515.88 104.99	174.98
26 24 19 00-0530 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,327.09 111.99	186.65
26 24 19 00-0531 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,350.45 119.00	198.32
26 24 19 00-0532 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,373.73 125.98	209.98
26 24 19 00-0533 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,397.10 132.99	221.64
26 24 19 00-0534 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,420.41 139.99	233.31
26 24 19 00-0535 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,277.38 182.01	303.35
26 24 19 00-0536 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,323.86 195.96	326.58
26 24 19 00-0537 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,082.97 209.96	349.92
26 24 19 00-0538 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,129.58 223.94	373.25
26 24 19 00-0539 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,178.15 83.99	139.98
26 24 19 00-0540 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,426.62 91.00	151.65
26 24 19 00-0541 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,842.68 97.99	163.31
26 24 19 00-0542 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,511.07 104.99	174.98

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 24 Switchboards And Panelboards



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP.....	28,785.50	186.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	111.99		
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP.....	31,518.23	198.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.00		
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP.....	34,082.05	209.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	125.98		
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP.....	37,474.04	221.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.99		
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP.....	43,446.71	233.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	139.99		
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP.....	47,499.53	244.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.99		
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP.....	51,575.68	268.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	160.99		
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP.....	54,958.02	279.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.00		
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP.....	58,147.32	291.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	174.98		
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP.....	62,616.70	303.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.01		
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP.....	99,433.43	373.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	223.94		
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP.....	110,607.18	396.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	237.99		
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP.....	133,044.23	419.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	251.96		
26 24 19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP.....	140,770.36	419.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	251.96		
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP.....	19,883.95	163.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.99		
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP.....	19,907.29	174.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	104.99		
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP.....	19,930.61	186.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	111.99		
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP.....	19,953.97	198.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.00		
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP.....	21,672.01	209.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	125.98		
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP.....	21,695.38	221.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.99		
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP.....	21,718.69	233.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	139.99		
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP.....	21,742.03	244.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.99		
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP.....	21,765.39	256.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	154.00		
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP.....	21,905.26	326.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	195.96		
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP.....	35,688.50	349.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	209.96		
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP.....	37,439.52	373.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	223.94		
26 24 19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP.....	37,439.52	373.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	223.94		
26 24 19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP.....	8,966.39		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.00		
26 24 19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP.....	9,241.83		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.00		
26 24 19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP.....	14,209.57		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.00		
26 24 19 00-0573		2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)			
26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amp.....	11,597.69	93.32	
26 24 19 00-0575	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp.....	13,876.81	139.98	
26 24 19 00-0576	EA	2.4/4.8 KV NEMA 3 Weather Resistant.....	4,645.08		
26 24 19 00-0577	EA	2.4/4.8 KV Space Heaters.....	161.45	7.00	
26 24 19 00-0578	EA	2.4/4.8 KV Potential Transformer Fused.....	1,345.72		
26 24 19 00-0579	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA.....	722.04		
26 24 19 00-0580	EA	2.4/4.8 KV Control Transformer 4 KVA Max.....	2,150.39		
26 24 19 00-0581	EA	2.4/4.8 KV Pushbuttons Each.....	137.72		
26 24 19 00-0582	EA	2.4/4.8 KV Selector Switch Each.....	456.44		
26 24 19 00-0583	EA	2.4/4.8 KV Indicating Light.....	137.72		
26 24 19 00-0584	EA	2.4/4.8 KV Push To Test Light.....	417.09		
26 24 19 00-0585	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type.....	1,109.63		
26 24 19 00-0586	EA	2.4/4.8 KV AC Ammeter, Switchboard Type.....	1,109.63		
26 24 19 00-0587	EA	2.4/4.8 KV Power Factor Meter.....	3,319.04		
26 24 19 00-0588	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout.....	2,288.11		
26 24 19 00-0589	EA	2.4/4.8 KV Operation Counter.....	431.09	7.00	
26 24 19 00-0590	EA	2.4/4.8 KV Phase Failure Protection.....	3,159.12	23.33	
26 24 19 00-0591	EA	2.4/4.8 KV Ground Protection.....	6,106.60	11.67	
26 24 19 00-0592	EA	2.4/4.8 KV Synchronous Motor DC Protection.....	2,216.55	11.67	
26 24 19 00-0593	EA	2.4/4.8 KV Lightning Arresters.....	2,918.66	7.00	
26 24 19 00-0594	EA	2.4/4.8 KV Portable Lifting Mechanism.....	4,234.05		
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Timing Relay.....	346.82	23.33	
26 24 19 00-0596	EA	2.4/4.8 KV Auxiliary Control Relay.....	245.15	23.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484)

Note: 3 Pole. Includes structure.

26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included	770.40	139.85
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included	1,328.11	247.54
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	1,544.34	316.95
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	2,508.61	510.38
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	2,994.75	561.42
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	4,057.67	622.66
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included	4,711.83	729.85
26 24 19 00-0605	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included.....	8,973.15	850.30

26 24 19 00-0606 Main Lugs Only (26 24 19 00-0484)

26 24 19 00-0607	EA	600 Amp Incoming Section, Main Lugs	497.07	178.63
26 24 19 00-0608	EA	800 Amp Incoming Section, Main Lugs	533.20	178.63
26 24 19 00-0609	EA	1,200 Amp Incoming Section, Main Lugs	716.44	280.71
26 24 19 00-0610	EA	2,000 Amp Incoming Section, Main Lugs	2,113.21	510.38
26 24 19 00-0611	EA	3,000 Amp Incoming Section, Main Lugs	3,265.90	740.06
26 24 19 00-0612	EA	4,000 Amp Incoming Section, Main Lugs	4,758.82	1,020.77

26 24 19 00-0613 Incoming Main Circuit Breaker Structure (26 24 19 00-0484)

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0614	EA	225 Amp, Main Circuit Breaker Section	5,090.17	246.98
		For 800 Amp Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0615	EA	400 Amp, Main Circuit Breaker Section	11,204.15	317.25
		For 800 Amp Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0616	EA	600 Amp, Main Circuit Breaker Section	11,315.81	494.16
		For 800 Amp Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0617	EA	800 Amp, Main Circuit Breaker Section	16,478.79	494.16
		For 800 Amp Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0618	EA	1,200 Amp, Main Circuit Breaker Section	24,151.94	559.12
		For 800 Amp Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	

26 24 19 00-0619 Incoming Fusible Main Disconnect Section (26 24 19 00-0484)

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0620	EA	200 Amp, Fusible Main Disconnect Section.....	4,356.62	247.28
		For 800 Amp Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0621	EA	400 Amp, Fusible Main Disconnect Section.....	6,061.59	317.40
		For 800 Amp Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0622	EA	600 Amp, Fusible Main Disconnect Section.....	12,083.86	494.56
		For 800 Amp Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0623	EA	800 Amp, Fusible Main Disconnect Section.....	14,201.81	494.56
		For 800 Amp Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
		For NEMA 1 With Gaskets, Add	97.00	
		For NEMA 12, Add	245.00	
		For 20" Cabinet Depth, Add	108.00	

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 24 Switchboards And Panelboards



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 24 19 00-0624	EA	1,200 Amp, Fusible Main Disconnect Section.....		20,265.24	559.63
		<i>For 800 Amp Tin Plated Copper Bus, Add</i>		182.00	
		<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>		334.00	
		<i>For NEMA 1 With Gaskets, Add</i>		97.00	
		<i>For NEMA 12, Add</i>		245.00	
		<i>For 20" Cabinet Depth, Add</i>		108.00	
26 24 19 00-0625		Circuit Breaker Combination Starters (26 24 19 00-0484)			
26 24 19 00-0626		Class I, Type A (26 24 19 00-0625)			
26 24 19 00-0627	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter		676.90	103.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		59.07	
26 24 19 00-0628	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter		797.53	103.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		65.43	
26 24 19 00-0629	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter		1,179.29	146.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		88.00	
26 24 19 00-0630	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter		2,004.42	193.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		116.00	
26 24 19 00-0631	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter		3,784.40	241.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		145.00	
26 24 19 00-0632		Class I, Type B (26 24 19 00-0625)			
26 24 19 00-0633	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter		655.64	90.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		51.04	
26 24 19 00-0634	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter		771.01	90.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		57.48	
26 24 19 00-0635	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter		1,147.69	130.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		78.52	
26 24 19 00-0636	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter		1,972.19	177.10
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		106.33	
26 24 19 00-0637	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter		3,758.41	226.10
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		137.20	
26 24 19 00-0638		Class I, Type C (26 24 19 00-0625)			
26 24 19 00-0639	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter		713.96	83.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		46.23	
26 24 19 00-0640	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter		833.06	83.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		54.30	
26 24 19 00-0641	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter		1,254.87	125.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		75.06	
26 24 19 00-0642	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter		2,082.27	173.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		103.74	
26 24 19 00-0643	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter		3,866.38	222.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		132.91	
26 24 19 00-0644		Class II, Type B (26 24 19 00-0625)			
26 24 19 00-0645	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter		645.50	124.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		70.11	
26 24 19 00-0646	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter		946.66	124.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		78.28	
26 24 19 00-0647	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter		1,376.91	165.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		98.91	
26 24 19 00-0648	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter		2,347.85	211.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		127.60	
26 24 19 00-0649	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter		4,454.11	258.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		155.60	
26 24 19 00-0650		Class II, Type C (26 24 19 00-0625)			
26 24 19 00-0651	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter		865.28	117.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		67.16	
26 24 19 00-0652	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter		1,004.59	117.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		73.33	
26 24 19 00-0653	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter		1,487.48	160.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		95.94	
26 24 19 00-0654	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter		2,454.18	206.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		123.88	
26 24 19 00-0655	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter		4,568.35	255.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		153.73	
26 24 19 00-0656		Fused Disconnect Combination Starter (26 24 19 00-0484)			
26 24 19 00-0657		Class I, Type A (26 24 19 00-0656)			
26 24 19 00-0658	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter		607.58	95.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		57.48	
26 24 19 00-0659	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter		939.57	130.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		78.28	
26 24 19 00-0660	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter		1,555.80	169.96
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		102.08	
26 24 19 00-0661	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter		2,117.87	238.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		143.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0662 EA Size 5, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,902.79 182.28	303.67
26 24 19 00-0663 Class I, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664 EA Size 1, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	639.69 51.04	85.23
26 24 19 00-0665 EA Size 2, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	857.68 70.11	116.87
26 24 19 00-0666 EA Size 3, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,296.73 93.82	156.18
26 24 19 00-0667 EA Size 4, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,228.43 135.74	225.59
26 24 19 00-0668 EA Size 5, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,006.70 172.43	286.83
26 24 19 00-0669 Class I, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670 EA Size 1, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	694.42 47.79	79.62
26 24 19 00-0671 EA Size 2, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	930.09 65.43	108.20
26 24 19 00-0672 EA Size 3, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,439.78 91.14	150.57
26 24 19 00-0673 EA Size 4, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,371.02 132.91	222.02
26 24 19 00-0674 EA Size 5, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,770.72 170.13	283.77
26 24 19 00-0675 Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676 EA Size 1, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	786.46 71.68	119.43
26 24 19 00-0677 EA Size 2, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,025.42 89.23	149.03
26 24 19 00-0678 EA Size 3, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,527.16 114.95	191.91
26 24 19 00-0679 EA Size 4, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,574.65 155.60	258.76
26 24 19 00-0680 EA Size 5, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,620.36 193.33	323.07
26 24 19 00-0681 Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682 EA Size 1, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	836.93 67.16	112.29
26 24 19 00-0683 EA Size 2, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,097.64 84.50	140.86
26 24 19 00-0684 EA Size 3, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,654.64 110.00	183.23
26 24 19 00-0685 EA Size 4, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,706.30 151.90	252.64
26 24 19 00-0686 EA Size 5, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,753.41 187.64	312.87
26 24 19 00-0687 Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688 Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	179.02	34.71
26 24 19 00-0690 EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	179.02	34.71
26 24 19 00-0691 EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	267.59	50.52
26 24 19 00-0692 EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	306.03	66.35
26 24 19 00-0693 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	532.92	101.06
26 24 19 00-0694 Fused Disconnect Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	179.02	34.71
26 24 19 00-0696 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	229.03	50.52
26 24 19 00-0697 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	324.90	66.35
26 24 19 00-0698 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	585.57	101.06
26 24 19 00-0699 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	805.32	146.99
26 24 19 00-0700 Blank Space For Future Expansion <small>(26 24 19 00-0687)</small>		
Note: Factory modified no labor costs.		
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	109.86	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	109.86	
26 24 19 00-0703 EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	166.56	
26 24 19 00-0704 EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	166.56	
26 24 19 00-0705 EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	331.35	
26 24 19 00-0706 Structure Combination Of Starters To 72" High <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707 EA Structure Combination Of Starters To 72" High	2,323.14	268.62

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0708	Motor Control Center Basic Distribution Section <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709	EA 20" Wide Basic Section With Vertical Wireway For 20" Cabinet Depth, Add For 800 Amp Tin Plated Copper Bus, Add For 1,200 Amp Tin Plated Copper Bus, Add For 1,600 Amp Tin Plated Copper Bus, Add For 2,000 Amp Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amp Tin Plated Copper Vertical, Add	3,447.85 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	699.53
26 24 19 00-0710	EA 25"-35" Wide Basic Section (No Vertical Wireway) For 20" Cabinet Depth, Add For 800 Amp Tin Plated Copper Bus, Add For 1,200 Amp Tin Plated Copper Bus, Add For 1,600 Amp Tin Plated Copper Bus, Add For 2,000 Amp Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amp Tin Plated Copper Vertical, Add	3,447.85 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	699.53
26 24 19 00-0711	EA 25" Wide Basic Section With 9" Wide Vertical Wireway For 20" Cabinet Depth, Add For 800 Amp Tin Plated Copper Bus, Add For 1,200 Amp Tin Plated Copper Bus, Add For 1,600 Amp Tin Plated Copper Bus, Add For 2,000 Amp Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amp Tin Plated Copper Vertical, Add	3,930.62 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	699.53
26 24 19 00-0712	EA Corner Section For 20" Cabinet Depth, Add For 800 Amp Tin Plated Copper Bus, Add For 1,200 Amp Tin Plated Copper Bus, Add For 1,600 Amp Tin Plated Copper Bus, Add For 2,000 Amp Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amp Tin Plated Copper Vertical, Add	3,930.62 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	699.53
26 24 19 00-0713	Motor Control Center Starters With HMCP Circuit Breaker <small>(26 24 19 00-0484)</small>		
	Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714	FVNR Starters With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0715	EA Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,036.50 58.94	98.25
26 24 19 00-0716	EA Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,154.33 65.38	108.97
26 24 19 00-0717	EA Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,073.51 87.89	146.48
26 24 19 00-0718	EA Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,040.48 115.89	193.13
26 24 19 00-0719	EA Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7,270.19 144.83	241.36
26 24 19 00-0720	EA Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17,554.78 144.83	241.36
26 24 19 00-0721	EA Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,070.67 50.99	84.98
26 24 19 00-0722	EA Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,207.78 57.42	95.70
26 24 19 00-0723	EA Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,152.59 78.39	130.65
26 24 19 00-0724	EA Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,069.95 106.27	177.10
26 24 19 00-0725	EA Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7,306.28 137.20	228.65
26 24 19 00-0726	EA Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17,701.53 137.20	228.65
26 24 19 00-0727	Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728	EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,718.76 73.76	122.95
26 24 19 00-0729	EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,133.80 81.62	136.01
26 24 19 00-0730	EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,587.05 109.68	182.81
26 24 19 00-0731	EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6,294.96 145.00	241.67
26 24 19 00-0732	EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11,596.76 181.42	302.35
26 24 19 00-0733	EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,777.49 63.69	106.16
26 24 19 00-0734	EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,211.88 71.82	119.69
26 24 19 00-0735	EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,690.12 98.15	163.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0736 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	6,346.97	221.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.91	
26 24 19 00-0737 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	11,656.51	286.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.65	
26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0739 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	1,903.33	122.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.76	
26 24 19 00-0740 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,774.89	136.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.62	
26 24 19 00-0741 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	5,362.66	182.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.68	
26 24 19 00-0742 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	7,315.05	241.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	145.00	
26 24 19 00-0743 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	14,974.48	302.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	181.42	
26 24 19 00-0744 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	1,962.07	106.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.69	
26 24 19 00-0745 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,852.97	119.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.82	
26 24 19 00-0746 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	5,465.73	163.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	98.15	
26 24 19 00-0747 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	7,367.05	221.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.91	
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	15,034.23	286.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.65	
26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect (26 24 19 00-0484)		
Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750 FVNR Starters With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	808.07	95.80
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,044.23	130.20
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	1,822.10	169.65
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	3,152.99	238.96
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	6,635.81	303.78
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	17,616.78	303.78
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	846.26	84.93
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,097.08	116.62
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	1,906.24	156.38
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	3,189.09	226.25
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	6,664.50	287.39
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	17,756.21	287.39
26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,469.11	119.94
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,054.35	162.76
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,249.13	211.96
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	7,057.93	299.55
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	11,716.50	350.53
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,533.03	106.16
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,130.92	145.66
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,358.13	195.68
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	7,115.75	282.30
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	11,768.83	330.57
26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	1,747.20	119.94
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,705.28	162.76
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	5,043.20	211.96
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	7,432.00	299.55
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	14,407.60	350.53
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	1,811.95	106.16
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,781.85	145.66
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	5,152.20	195.68
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	7,489.83	282.30
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	14,459.93	330.57
26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit (26 24 19 00-0484)		
Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786 EA 600 Amp Horizontal Tin Plated Copper Bus Kit.....	199.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 24 19 00-0787 EA 800 Amp Horizontal Tin Plated Copper Bus Kit.....	247.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 24 19 00-0788 EA 1,200 Amp Horizontal Tin Plated Copper Bus Kit.....	297.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 24 19 00-0789 EA 1,600 Amp Horizontal Tin Plated Copper Bus Kit.....	391.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.61	
26 24 19 00-0790 EA 2,000 Amp Horizontal Tin Plated Copper Bus Kit.....	662.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.37	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



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TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 19 00-0791	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	111.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 24 19 00-0792		Disconnect Switch For Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0793		3 Pole Circuit Breaker Disconnect For Motor Control Center <small>(26 24 19 00-0792)</small>		
		Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA	150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	508.31	73.75
26 24 19 00-0795	EA	150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	924.15	81.66
26 24 19 00-0796	EA	225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	1,119.88	109.99
26 24 19 00-0797	EA	400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	1,885.66	144.95
26 24 19 00-0798	EA	600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	3,308.50	181.19
26 24 19 00-0799	EA	800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	3,792.80	181.19
26 24 19 00-0800	EA	1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	7,920.78	226.86
26 24 19 00-0801		Fusible Disconnect Switch For Motor Control Center <small>(26 24 19 00-0792)</small>		
		Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA	30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips	549.47	71.71
26 24 19 00-0803	EA	60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips	626.16	97.74
26 24 19 00-0804	EA	100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips	872.72	125.04
26 24 19 00-0805	EA	200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips	1,715.55	179.14
26 24 19 00-0806	EA	400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips	3,196.02	227.84
26 24 19 00-0807	EA	600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips	7,822.69	227.84
26 24 19 00-0808	EA	800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips	9,665.46	284.80
26 24 19 00-0809	EA	1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips	14,508.71	284.80
26 24 19 00-0810		Control Circuit Transformer <small>(26 24 19 00-0484)</small>		
26 24 19 00-0811	EA	Control Circuit Transformer, Size 1 Factory Installed	58.61	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 2 Factory Installed	58.61	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 3 Factory Installed	112.88	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 4 Factory Installed	112.88	
26 24 19 00-0815	EA	Control Circuit Transformer, Size 5 Factory Installed	156.81	
26 24 19 00-0816	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	32.89	5.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 24 19 00-0817		Cover Mounted Control Devices <small>(26 24 19 00-0484)</small>		
26 24 19 00-0818	EA	Control Device, 2 Unit Push Button Station Cover Mounted	79.88	10.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	
26 24 19 00-0819	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	87.37	10.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.98	
26 24 19 00-0820	EA	Control Device, Pilot Light Cover Mounted	78.88	10.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.78	
26 24 19 00-0821	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	191.28	34.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.92	
26 24 19 00-0822	EA	Auxiliary Contact Add Per Starter	278.75	13.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.94	
26 24 19 00-0823		Extra Interlocks <small>(26 24 19 00-0484)</small>		
		Note: Per contact.		
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type A Per Contact	50.24	6.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.78	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type B Per Contact	74.74	6.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.78	
26 24 19 00-0826	EA	Extra Interlocks, Class I, Type C Per Contact	86.79	6.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.99	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type B Per Contact	79.23	6.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.19	
26 24 19 00-0828	EA	Extra Interlocks, Class II, Type C Per Contact	86.44	6.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.41	
26 24 19 00-0829		Special Cabinet Provisions <small>(26 24 19 00-0484)</small>		
26 24 19 00-0830	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	733.70	
26 24 19 00-0831		Nameplate Requirements <small>(26 24 19 00-0484)</small>		
26 24 19 00-0832	EA	Special Cabinet Nameplate Requirements	26.05	
26 24 19 00-0833		Auxiliary Relays <small>(26 24 19 00-0484)</small>		
26 24 19 00-0834	EA	Industrial Control Relay, 10 Amp Class A600 With 2 Contacts	122.07	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.68	
26 24 19 00-0835	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	114.23	11.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.68	
26 24 19 00-0836	EA	General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base	55.74	11.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0837	Motor Control Center Accessories <small>(26 24 19 00-0484)</small>		
26 24 19 00-0838	Lighting Transformer With Circuit Breaker <small>(26 24 19 00-0837)</small> Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,982.41	166.45
26 24 19 00-0840	EA 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,140.43	173.11
26 24 19 00-0841	EA 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,534.89	186.42
26 24 19 00-0842	EA 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,755.90	199.74
26 24 19 00-0843	EA 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,827.63	213.05
26 24 19 00-0844	EA 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,650.63	239.69
26 24 19 00-0845	EA 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,757.96	266.32
26 24 19 00-0846	EA 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,349.53	219.71
26 24 19 00-0847	EA 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,983.31	239.69
26 24 19 00-0848	EA 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,143.12	266.32
26 24 19 00-0849	EA 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,683.29	292.95
26 24 19 00-0850	EA 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,736.93	319.58
26 24 19 00-0851	EA 3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,084.14	346.21

26 24 19 00-0852	Bolt-On Lighting Panel <small>(26 24 19 00-0837)</small> Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA 18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,327.14	265.61
26 24 19 00-0854	EA 30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,982.83	462.30
26 24 19 00-0855	EA 42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,615.17	625.47
26 24 19 00-0856	EA 18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,370.69	287.39
26 24 19 00-0857	EA 30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,963.16	452.45
26 24 19 00-0858	EA 42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,693.35	664.57
26 24 19 00-0859	EA 18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	2,491.36	308.07
26 24 19 00-0860	EA 30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,165.85	494.56
26 24 19 00-0861	EA 42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,872.17	664.57
26 24 19 00-0862	EA 18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	2,539.82	332.26
26 24 19 00-0863	EA 30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,165.85	494.56
26 24 19 00-0864	EA 42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,915.05	686.00

26 24 19 00-0865	Factory Installed Bolt-On Branch Circuit Breaker <small>(26 24 19 00-0837)</small> Note: For MCC lighting panel only.		
26 24 19 00-0866	EA 15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker	14.47	
26 24 19 00-0867	EA 15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker	226.12	
26 24 19 00-0868	EA 15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker	28.28	
26 24 19 00-0869	EA 60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker	65.12	
26 24 19 00-0870	EA 15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker	76.30	
26 24 19 00-0871	EA 60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker	115.77	

26 24 19 00-0872	Blank Unit Door (BUD) <small>(26 24 19 00-0837)</small> Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA 6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	60.30	
26 24 19 00-0874	EA 12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	72.36	
26 24 19 00-0875	EA 18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	108.54	
26 24 19 00-0876	EA 24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	144.71	
26 24 19 00-0877	EA 30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	217.07	
26 24 19 00-0878	EA 48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	253.25	
26 24 19 00-0879	EA 72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	289.43	

26 25 Enclosed Bus Assemblies (26 20)

26 25 00 00-0001	Bus Ducts <small>(26 25)</small>		
26 25 00 00-0002	Plug-In Bus Duct <small>(26 25 00 00-0001)</small> Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0003	600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 00 00-0002)</small>		
26 25 00 00-0004	LF 225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	228.20	15.32
	For Up To 25, Add	57.05	
	For >25 To 50, Add	34.23	
	For >50 To 100, Add	17.12	
26 25 00 00-0005	LF 400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	332.38	15.32
	For Up To 25, Add	83.10	
	For >25 To 50, Add	49.86	
	For >50 To 100, Add	24.93	
26 25 00 00-0006	LF 600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	424.92	20.41
	For Up To 25, Add	106.23	
	For >25 To 50, Add	63.74	
	For >50 To 100, Add	31.87	
26 25 00 00-0007	LF 800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	598.14	20.41
	For Up To 25, Add	149.54	
	For >25 To 50, Add	89.72	
	For >50 To 100, Add	44.86	
26 25 00 00-0008	LF 1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	630.28	25.52
	For Up To 25, Add	157.57	
	For >25 To 50, Add	94.54	
	For >50 To 100, Add	47.27	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 25 Enclosed Bus Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0009	LF		1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	891.76	25.52
			<i>For Up To 25, Add</i>	222.94	
			<i>For >25 To 50, Add</i>	133.76	
			<i>For >50 To 100, Add</i>	66.88	
26 25 00 00-0010	LF		1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,050.42	26.80
			<i>For Up To 25, Add</i>	262.61	
			<i>For >25 To 50, Add</i>	157.56	
			<i>For >50 To 100, Add</i>	78.78	
26 25 00 00-0011	LF		2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,289.15	27.56
			<i>For Up To 25, Add</i>	322.29	
			<i>For >25 To 50, Add</i>	193.37	
			<i>For >50 To 100, Add</i>	96.69	
26 25 00 00-0012	LF		2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,600.87	29.10
			<i>For Up To 25, Add</i>	400.22	
			<i>For >25 To 50, Add</i>	240.13	
			<i>For >50 To 100, Add</i>	120.07	
26 25 00 00-0013	LF		3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,847.76	33.94
			<i>For Up To 25, Add</i>	461.94	
			<i>For >25 To 50, Add</i>	277.16	
			<i>For >50 To 100, Add</i>	138.58	
26 25 00 00-0014	LF		4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,142.91	37.00
			<i>For Up To 25, Add</i>	535.73	
			<i>For >25 To 50, Add</i>	321.44	
			<i>For >50 To 100, Add</i>	160.72	
26 25 00 00-0015			277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 00 00-0002)</small>		
26 25 00 00-0016	LF		225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	395.43	15.32
			<i>For Up To 25, Add</i>	98.86	
			<i>For >25 To 50, Add</i>	59.31	
			<i>For >50 To 100, Add</i>	29.66	
26 25 00 00-0017	LF		400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	579.77	15.32
			<i>For Up To 25, Add</i>	144.94	
			<i>For >25 To 50, Add</i>	86.97	
			<i>For >50 To 100, Add</i>	43.48	
26 25 00 00-0018	LF		600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	655.58	20.41
			<i>For Up To 25, Add</i>	163.90	
			<i>For >25 To 50, Add</i>	98.34	
			<i>For >50 To 100, Add</i>	49.17	
26 25 00 00-0019	LF		800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	839.72	20.41
			<i>For Up To 25, Add</i>	209.93	
			<i>For >25 To 50, Add</i>	125.96	
			<i>For >50 To 100, Add</i>	62.98	
26 25 00 00-0020	LF		1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,029.57	25.52
			<i>For Up To 25, Add</i>	257.39	
			<i>For >25 To 50, Add</i>	154.44	
			<i>For >50 To 100, Add</i>	77.22	
26 25 00 00-0021	LF		1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,344.81	25.52
			<i>For Up To 25, Add</i>	336.20	
			<i>For >25 To 50, Add</i>	201.72	
			<i>For >50 To 100, Add</i>	100.86	
26 25 00 00-0022	LF		1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,746.34	26.44
			<i>For Up To 25, Add</i>	436.59	
			<i>For >25 To 50, Add</i>	261.95	
			<i>For >50 To 100, Add</i>	130.98	
26 25 00 00-0023	LF		2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,111.80	27.56
			<i>For Up To 25, Add</i>	527.95	
			<i>For >25 To 50, Add</i>	316.77	
			<i>For >50 To 100, Add</i>	158.39	
26 25 00 00-0024	LF		2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,629.27	28.83
			<i>For Up To 25, Add</i>	657.32	
			<i>For >25 To 50, Add</i>	394.39	
			<i>For >50 To 100, Add</i>	197.20	
26 25 00 00-0025	LF		3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,034.41	33.94
			<i>For Up To 25, Add</i>	758.60	
			<i>For >25 To 50, Add</i>	455.16	
			<i>For >50 To 100, Add</i>	227.58	
26 25 00 00-0026	LF		4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,522.17	37.00
			<i>For Up To 25, Add</i>	880.54	
			<i>For >25 To 50, Add</i>	528.33	
			<i>For >50 To 100, Add</i>	264.16	
26 25 00 00-0027			Cable Tap Boxes <small>(26 25 00 00-0002)</small>		
26 25 00 00-0028			600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 00 00-0027)</small>		
26 25 00 00-0029	EA		225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	1,998.94	71.45
26 25 00 00-0030	EA		400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,041.51	71.45
26 25 00 00-0031	EA		600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,191.98	96.97
26 25 00 00-0032	EA		800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,315.98	96.97
26 25 00 00-0033	EA		1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,471.70	127.59
26 25 00 00-0034	EA		1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,703.53	127.59
26 25 00 00-0035			277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 00 00-0027)</small>		
26 25 00 00-0036	EA		225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,041.51	140.36
26 25 00 00-0037	EA		400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,197.84	140.36
26 25 00 00-0038	EA		600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,327.17	191.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0039 EA 800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,611.49	191.40
26 25 00 00-0040 EA 1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,725.07	255.19
26 25 00 00-0041 EA 1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,108.04	255.19
26 25 00 00-0042 Bus Duct Plug-In Circuit Breaker (26 25 00 00-0002)		
26 25 00 00-0043 240 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0044 EA 60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	864.29	51.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.92	
26 25 00 00-0045 EA 100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	1,791.34	51.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.84	
26 25 00 00-0046 600 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0047 EA 60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	1,764.94	51.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.92	
26 25 00 00-0048 EA 100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	2,287.19	51.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.84	
26 25 00 00-0049 120/208 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0050 EA 60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	996.20	61.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.90	
26 25 00 00-0051 EA 100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,183.66	61.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.87	
26 25 00 00-0052 277/480 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0053 EA 60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,157.08	61.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.90	
26 25 00 00-0054 EA 100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,813.63	61.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.87	
26 25 00 00-0055 EA 225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	2,527.09	211.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.79	
26 25 00 00-0056 EA 400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	6,103.44	211.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.37	
26 25 00 00-0057 EA 600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	6,619.77	612.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	277.38	
26 25 00 00-0058 EA 800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	7,758.13	612.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	490.75	
26 25 00 00-0059 Bus Duct Plug-In Fusible Switch (26 25 00 00-0002)		
26 25 00 00-0060 240 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0061 EA 30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	862.08	51.04
26 25 00 00-0062 EA 60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	936.14	51.04
26 25 00 00-0063 EA 100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,308.88	61.24
26 25 00 00-0064 EA 200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,196.34	122.50
26 25 00 00-0065 EA 400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	5,642.93	275.61
26 25 00 00-0066 EA 600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	8,265.60	479.76
26 25 00 00-0067 600 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0068 EA 30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	909.56	56.14
26 25 00 00-0069 EA 60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	981.10	56.14
26 25 00 00-0070 EA 100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,330.03	56.14
26 25 00 00-0071 EA 200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,268.49	117.39
26 25 00 00-0072 EA 400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	5,629.30	265.39
26 25 00 00-0073 EA 600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	8,362.26	510.38
26 25 00 00-0074 EA 800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	14,089.18	663.50
26 25 00 00-0075 120/208 Volt, 4-pole, 3 Fuse (26 25 00 00-0059)		
26 25 00 00-0076 EA 30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,002.24	66.35
26 25 00 00-0077 EA 60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,060.58	66.35
26 25 00 00-0078 EA 100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,435.92	66.35
26 25 00 00-0079 EA 200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	2,438.86	137.80
26 25 00 00-0080 EA 400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	6,161.80	306.23
26 25 00 00-0081 EA 600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	8,928.56	469.56
26 25 00 00-0082 277/480 Volt, 4-pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0083 EA 30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,039.23	66.35
26 25 00 00-0084 EA 60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,097.58	56.29
26 25 00 00-0085 EA 100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,541.66	76.56
26 25 00 00-0086 EA 200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	2,550.93	137.80
26 25 00 00-0087 EA 400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	6,161.80	306.23
26 25 00 00-0088 EA 600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	8,928.56	469.56
26 25 00 00-0089 EA 800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	14,416.57	622.66

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 25 Enclosed Bus Assemblies



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 25 00 00-0090	Feeder Bus Duct <small>(26 25 00 00-0001)</small> Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0091	600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance <small>(26 25 00 00-0090)</small> Note: Copper conductors.		
26 25 00 00-0092	LF 800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	735.82	21.44
	For Up To 25, Add	183.96	
	For >25 To 50, Add	110.37	
	For >50 To 100, Add	55.19	
26 25 00 00-0093	LF 1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	743.11	21.44
	For Up To 25, Add	185.78	
	For >25 To 50, Add	111.47	
	For >50 To 100, Add	55.73	
26 25 00 00-0094	LF 1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	981.58	21.44
	For Up To 25, Add	245.40	
	For >25 To 50, Add	147.24	
	For >50 To 100, Add	73.62	
26 25 00 00-0095	LF 1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,184.58	21.44
	For Up To 25, Add	296.15	
	For >25 To 50, Add	177.69	
	For >50 To 100, Add	88.84	
26 25 00 00-0096	LF 2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,451.65	21.44
	For Up To 25, Add	362.91	
	For >25 To 50, Add	217.75	
	For >50 To 100, Add	108.87	
26 25 00 00-0097	LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,978.83	51.04
	For Up To 25, Add	494.71	
	For >25 To 50, Add	296.82	
	For >50 To 100, Add	148.41	
26 25 00 00-0098	LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	2,746.85	51.04
	For Up To 25, Add	686.71	
	For >25 To 50, Add	412.03	
	For >50 To 100, Add	206.01	
26 25 00 00-0099	LF 5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	3,249.43	51.04
	For Up To 25, Add	812.36	
	For >25 To 50, Add	487.41	
	For >50 To 100, Add	243.71	
26 25 00 00-0100	LF 6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	4,011.21	51.04
	For Up To 25, Add	1,002.80	
	For >25 To 50, Add	601.68	
	For >50 To 100, Add	300.84	
26 25 00 00-0101	277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 00 00-0090)</small> Note: Low impedance, copper conductors.		
26 25 00 00-0102	LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	849.16	22.96
	For Up To 25, Add	212.29	
	For >25 To 50, Add	127.37	
	For >50 To 100, Add	63.69	
26 25 00 00-0103	LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	858.06	22.96
	For Up To 25, Add	214.52	
	For >25 To 50, Add	128.71	
	For >50 To 100, Add	64.35	
26 25 00 00-0104	LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,112.14	22.96
	For Up To 25, Add	278.04	
	For >25 To 50, Add	166.82	
	For >50 To 100, Add	83.41	
26 25 00 00-0105	LF 1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,318.98	22.96
	For Up To 25, Add	329.75	
	For >25 To 50, Add	197.85	
	For >50 To 100, Add	98.92	
26 25 00 00-0106	LF 2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,596.29	22.96
	For Up To 25, Add	399.07	
	For >25 To 50, Add	239.44	
	For >50 To 100, Add	119.72	
26 25 00 00-0107	LF 3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	2,463.06	39.30
	For Up To 25, Add	615.77	
	For >25 To 50, Add	369.46	
	For >50 To 100, Add	184.73	
26 25 00 00-0108	LF 4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	3,090.80	39.30
	For Up To 25, Add	772.70	
	For >25 To 50, Add	463.62	
	For >50 To 100, Add	231.81	
26 25 00 00-0109	LF 5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	3,655.27	72.99
	For Up To 25, Add	913.82	
	For >25 To 50, Add	548.29	
	For >50 To 100, Add	274.15	
26 25 00 00-0110	LF 6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	4,519.86	72.99
	For Up To 25, Add	1,129.97	
	For >25 To 50, Add	677.98	
	For >50 To 100, Add	338.99	

26 26 Power Distribution Units (26 20)

Note: Includes wiring connections and testing.

26 26 00 00-0001	Liebert Precision Power Center <small>(26 26)</small> Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 26 00 00-0002 EA PDU 15 KVA 480-208/120 (Liebert PPA01C).....	11,987.59	156.94
26 26 00 00-0003 EA PDU 15 KVA 208-208/120 (Liebert PPC015C).....	11,577.82	156.94
26 26 00 00-0004 EA PDU 30 KVA 480-208/120 (Liebert PPA030C).....	13,516.45	170.11
26 26 00 00-0005 EA PDU 30 KVA 208-208/120 (Liebert PPC030C).....	13,994.51	170.11
26 26 00 00-0006 EA PDU 50 KVA 480-208/120 (Liebert PPA050C).....	15,283.96	188.85
26 26 00 00-0007 EA PDU 50 KVA 208-208/120 (Liebert PPC050C).....	15,952.79	188.85
26 26 00 00-0008 EA PDU 75 KVA 480-208/120 (Liebert PPA075C).....	16,862.58	204.15
26 26 00 00-0009 EA PDU 75 KVA 208-208/120 (Liebert PPC075C).....	18,365.05	204.15
26 26 00 00-0010 EA PDU 100 KVA 480-208/120 (Liebert PPA100C).....	18,307.77	255.19
26 26 00 00-0011 EA PDU 100 KVA 208-208/120 (Liebert PPC100C).....	20,015.12	255.19
26 26 00 00-0012 EA PDU 125 KVA 480-208/120 (Liebert PPA125C).....	20,526.96	306.23
26 26 00 00-0013 EA PDU 125 KVA 208-208/120 (Liebert PPC125C).....	22,439.19	306.23
26 26 00 00-0014 EA PDU 150 KVA 480-208/120 (Liebert PPA150C).....	24,863.27	357.27
26 26 00 00-0015 EA PDU 150 KVA 208-208/120 (Liebert PPC150C).....	25,887.68	357.27
26 26 00 00-0016 EA PDU 200 KVA 480-208/120 (Liebert PPA200C).....	27,298.35	408.30
26 26 00 00-0017 EA PDU 225 KVA 480-208/120 (Liebert PPA225C).....	28,709.76	459.35
26 26 00 00-0018 EA Ex Panelboard 10-30 KVA.....	999.01	51.04
26 26 00 00-0019 EA Ex Panelboard 50-125 KVA.....	1,502.57	63.80
26 26 00 00-0020 EA Ex Panelboard 150-220 KVA.....	3,440.33	76.56
26 26 00 00-0021 EA Removal And Reinstallation Of Power Distribution Unit.....	816.61	
Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 26 00 00-0022 EA Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only.....	612.46	

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001 Revenue Metering (26 27 13)

26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)

Note: NEMA 3R.

26 27 13 00-0003 EA 100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass.....	136.82	33.17
26 27 13 00-0004 EA 100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass.....	146.22	33.17
26 27 13 00-0005 EA 200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass.....	184.97	40.83
26 27 13 00-0006 EA 200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass.....	187.64	40.83
26 27 13 00-0007 EA 200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	385.19	45.94
26 27 13 00-0008 EA 320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release.....	519.06	51.04
26 27 13 00-0009 EA 400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release.....	1,330.07	56.14
26 27 13 00-0010 EA Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base.....	1,397.69	255.19

26 27 13 00-0011 Meter Device (26 27 13 00-0001)

Note: Direct read, with 15 minute demand.

26 27 13 00-0012 EA 100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	147.36	10.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.28	
26 27 13 00-0013 EA 200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter.....	427.89	10.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.40	

26 27 13 00-0014 Current Transformer Enclosure (26 27 13 00-0001)

26 27 13 00-0015 EA Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R.....	276.59	66.35
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26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)

26 27 13 00-0017 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0018 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	580.45	31.90
26 27 13 00-0019 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	766.44	38.28
26 27 13 00-0020 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	951.41	44.66
26 27 13 00-0021 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	1,102.97	51.04
26 27 13 00-0022 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	1,441.93	57.42
26 27 13 00-0023 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	1,555.98	63.80
26 27 13 00-0024 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max.....	1,814.51	76.56

26 27 13 00-0025 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0026 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max.....	1,086.97	31.90
26 27 13 00-0027 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max.....	1,434.04	38.28
26 27 13 00-0028 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max.....	1,976.21	51.04
26 27 13 00-0029 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max.....	2,191.58	57.42
26 27 13 00-0030 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max.....	2,761.50	63.80

26 27 13 00-0031 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0016)

26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	891.64	44.66
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	1,175.91	51.04
26 27 13 00-0034 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	1,441.93	57.42
26 27 13 00-0035 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	1,697.81	63.80
26 27 13 00-0036 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	2,146.18	70.18
26 27 13 00-0037 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	2,250.12	76.56
26 27 13 00-0038 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	2,792.28	89.31

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 27 13 00-0039	1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0016)		
26 27 13 00-0040	EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,396.14	44.66
26 27 13 00-0041	EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,834.38	51.04
26 27 13 00-0042	EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,589.29	63.80
26 27 13 00-0043	EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,774.26	70.18
26 27 13 00-0044	EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,556.94	76.56
26 27 13 00-0045	120/208 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)		
26 27 13 00-0046	800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole (26 27 13 00-0045)		
26 27 13 00-0047	EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	629.68	38.28
26 27 13 00-0048	EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	826.81	44.66
26 27 13 00-0049	EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,022.94	51.04
26 27 13 00-0050	EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,188.67	57.42
26 27 13 00-0051	EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,464.81	63.80
26 27 13 00-0052	EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,578.87	70.18
26 27 13 00-0053	EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,948.84	82.94
26 27 13 00-0054	1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0055	EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,140.26	38.28
26 27 13 00-0056	EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,507.58	44.66
26 27 13 00-0057	EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,181.45	57.42
26 27 13 00-0058	EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,396.81	63.80
26 27 13 00-0059	EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,905.98	70.18
26 27 13 00-0060	800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0061	EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	940.88	51.04
26 27 13 00-0062	EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,229.20	57.42
26 27 13 00-0063	EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,525.60	63.80
26 27 13 00-0064	EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,781.50	70.18
26 27 13 00-0065	EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,250.14	76.56
26 27 13 00-0066	EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,354.05	82.94
26 27 13 00-0067	EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,936.77	95.70
26 27 13 00-0068	1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0069	EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,459.56	51.04
26 27 13 00-0070	EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,928.20	57.42
26 27 13 00-0071	EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,774.28	70.18
26 27 13 00-0072	EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,898.47	76.56
26 27 13 00-0073	EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,691.27	82.94
26 27 13 00-0074	120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		
26 27 13 00-0075	800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0076	EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	580.45	31.90
26 27 13 00-0077	EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	766.44	38.28
26 27 13 00-0078	EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,102.97	51.04
26 27 13 00-0079	EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,441.93	57.42
26 27 13 00-0080	EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,788.98	63.80
26 27 13 00-0081	1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0082	EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,086.97	31.90
26 27 13 00-0083	EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,434.04	38.28
26 27 13 00-0084	EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,077.52	51.04
26 27 13 00-0085	EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,292.88	57.42
26 27 13 00-0086	EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,761.50	63.80
26 27 13 00-0087	800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0088	EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	891.64	44.66
26 27 13 00-0089	EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,175.91	51.04
26 27 13 00-0090	EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,697.81	63.80
26 27 13 00-0091	EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,146.18	70.18
26 27 13 00-0092	EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,250.12	76.56
26 27 13 00-0093	1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0094	EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,396.15	44.66
26 27 13 00-0095	EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,834.38	51.04
26 27 13 00-0096	EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,589.29	63.80
26 27 13 00-0097	EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,774.26	70.18
26 27 13 00-0098	EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,556.95	76.56
26 27 13 00-0099	120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		
26 27 13 00-0100	800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole (26 27 13 00-0099)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0101 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	629.68	38.28
26 27 13 00-0102 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	826.81	44.66
26 27 13 00-0103 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,188.67	57.42
26 27 13 00-0104 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,566.11	63.80
26 27 13 00-0105 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,781.48	70.18
26 27 13 00-0106 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0107 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,140.26	38.28
26 27 13 00-0108 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,507.57	44.66
26 27 13 00-0109 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,080.15	57.42
26 27 13 00-0110 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,295.50	63.80
26 27 13 00-0111 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,905.96	70.18
26 27 13 00-0112 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0113 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	940.88	51.04
26 27 13 00-0114 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,229.19	57.42
26 27 13 00-0115 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,781.48	70.18
26 27 13 00-0116 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,250.12	76.56
26 27 13 00-0117 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,354.05	82.94
26 27 13 00-0118 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0119 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,459.56	51.04
26 27 13 00-0120 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,928.19	57.42
26 27 13 00-0121 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,774.26	70.18
26 27 13 00-0122 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,898.47	76.56
26 27 13 00-0123 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,691.27	82.94
26 27 13 00-0124 Watt/Hour Meters (26 27 13)		
26 27 13 00-0125 EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure.....	606.37	30.62
26 27 13 00-0126 EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure.....	1,880.79	61.24
26 27 13 00-0127 EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	982.94	45.94
26 27 13 00-0128 EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,214.30	45.94
26 27 13 00-0129 EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure.....	1,016.93	45.94
26 27 13 00-0130 EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	695.31	42.36
26 27 13 00-0131 EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure.....	1,185.74	76.56
26 27 13 00-0132 Watt/Hour Meter Systems (26 27 13)		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133 Watt/Hour Meter System Without Main Breaker (26 27 13 00-0132)		
26 27 13 00-0134 EA 400 Amp System; 200 Amp M-90 Meter And Enclosure.....	2,961.11	306.28
26 27 13 00-0135 EA 600-800 Amp System; 200 Amp M-90 Meter And Enclosure.....	3,507.12	306.28
26 27 13 00-0136 Watt/Hour Meter System With Main Breaker (26 27 13 00-0132)		
26 27 13 00-0137 EA 400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	5,358.37	306.28
26 27 13 00-0138 EA 600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	6,548.97	306.28
26 27 13 00-0139 EA 800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	7,053.90	306.28
26 27 16 Electrical Cabinets And Enclosures (26 27)		
Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001 NEMA 1 Enclosures (26 27 16)		
26 27 16 00-0002 Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)		
26 27 16 00-0003 4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0004 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	34.30	10.21
26 27 16 00-0005 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	38.62	11.23
26 27 16 00-0006 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	43.00	12.24
26 27 16 00-0007 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	50.21	14.29
26 27 16 00-0008 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	54.88	15.32
26 27 16 00-0009 EA 10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	59.94	16.33
26 27 16 00-0010 EA 12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	59.74	16.33
26 27 16 00-0011 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	64.93	17.35
26 27 16 00-0012 EA 12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	70.45	18.38
26 27 16 00-0013 EA 16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.85	24.50
26 27 16 00-0014 EA 16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	110.30	29.60
26 27 16 00-0015 EA 18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	104.45	28.58
26 27 16 00-0016 6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0017 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	43.39	12.24
26 27 16 00-0018 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	53.11	14.29
26 27 16 00-0019 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	63.18	17.35
26 27 16 00-0020 EA 10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	68.55	18.38
26 27 16 00-0021 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	74.02	19.39
26 27 16 00-0022 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	79.78	20.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 16 00-0023	EA		16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	100.85	26.54
26 27 16 00-0024	EA		16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	121.92	32.67
26 27 16 00-0025	EA		18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	117.47	31.65
26 27 16 00-0026	EA		18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	153.26	40.83
26 27 16 00-0027	EA		24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	200.70	46.95
26 27 16 00-0028	EA		24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	231.25	51.04
26 27 16 00-0029	EA		30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	259.44	54.10
26 27 16 00-0030	EA		36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	285.08	56.14

26 27 16 00-0031 Screw Cover, Galvanized Steel NEMA 1 Enclosures (2627 16 00-0001)

26 27 16 00-0032 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (2627 16 00-0031)

26 27 16 00-0033	EA		4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	24.99	7.15
26 27 16 00-0034	EA		6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	35.73	10.21
26 27 16 00-0035	EA		8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	40.09	11.23

26 27 16 00-0036 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (2627 16 00-0031)

26 27 16 00-0037	EA		4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	27.67	8.17
26 27 16 00-0038	EA		6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	34.19	10.21
26 27 16 00-0039	EA		6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	38.45	11.23
26 27 16 00-0040	EA		8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	42.81	12.24
26 27 16 00-0041	EA		8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	49.96	14.29
26 27 16 00-0042	EA		10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	54.60	15.32
26 27 16 00-0043	EA		10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	59.56	16.33
26 27 16 00-0044	EA		12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	59.32	16.33
26 27 16 00-0045	EA		12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	64.55	17.35
26 27 16 00-0046	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	70.00	18.38
26 27 16 00-0047	EA		16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	90.85	24.50
26 27 16 00-0048	EA		16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	112.19	30.62
26 27 16 00-0049	EA		18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	103.84	28.58
26 27 16 00-0050	EA		18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	134.93	36.74
26 27 16 00-0051	EA		24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	205.62	45.94

26 27 16 00-0052 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (2627 16 00-0031)

26 27 16 00-0053	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	43.15	12.24
26 27 16 00-0054	EA		8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	47.97	13.27
26 27 16 00-0055	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	55.27	15.32
26 27 16 00-0056	EA		10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	62.79	17.35
26 27 16 00-0057	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	68.14	18.38
26 27 16 00-0058	EA		12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	73.55	19.39
26 27 16 00-0059	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	79.25	20.41
26 27 16 00-0060	EA		16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	100.85	26.54
26 27 16 00-0061	EA		16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	123.83	32.67
26 27 16 00-0062	EA		18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	116.78	31.65
26 27 16 00-0063	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	152.32	40.83
26 27 16 00-0064	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	196.37	46.95
26 27 16 00-0065	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	229.26	51.04
26 27 16 00-0066	EA		30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	249.06	54.10
26 27 16 00-0067	EA		36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	277.04	56.14

26 27 16 00-0068 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (2627 16 00-0031)

26 27 16 00-0069	EA		8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	62.79	17.35
26 27 16 00-0070	EA		12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	87.51	22.46
26 27 16 00-0071	EA		16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	111.20	28.58
26 27 16 00-0072	EA		16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	137.63	35.73
26 27 16 00-0073	EA		18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	130.70	34.71
26 27 16 00-0074	EA		18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	162.09	42.88
26 27 16 00-0075	EA		24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	178.97	49.00
26 27 16 00-0076	EA		24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	214.82	52.06
26 27 16 00-0077	EA		24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	253.03	56.14
26 27 16 00-0078	EA		30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	270.03	59.21
26 27 16 00-0079	EA		30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	285.15	61.24
26 27 16 00-0080	EA		36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	295.16	61.24

26 27 16 00-0081 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (2627 16 00-0031)

26 27 16 00-0082	EA		18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	149.24	38.79
26 27 16 00-0083	EA		18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	197.97	50.02
26 27 16 00-0084	EA		24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	196.68	53.08
26 27 16 00-0085	EA		24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	272.91	57.17
26 27 16 00-0086	EA		24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	317.87	63.29
26 27 16 00-0087	EA		30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	360.21	65.33
26 27 16 00-0088	EA		36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	386.23	68.39

26 27 16 00-0089 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (2627 16 00-0031)

26 27 16 00-0090	EA		18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	218.72	55.12
26 27 16 00-0091	EA		24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	212.86	58.18
26 27 16 00-0092	EA		24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	299.40	63.29
26 27 16 00-0093	EA		24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	346.48	69.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0094 EA 30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	397.02	72.47
26 27 16 00-0095 EA 36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	420.12	75.53
26 27 16 00-0096 NEMA 12 Enclosures (26 27 16)		
Note: Dust-tight enclosures.		
26 27 16 00-0097 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0098 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0099 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	53.61	8.17
26 27 16 00-0100 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	69.36	11.23
26 27 16 00-0101 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	85.51	14.29
26 27 16 00-0102 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	92.70	15.32
26 27 16 00-0103 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	104.72	16.33
26 27 16 00-0104 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	112.98	17.35
26 27 16 00-0105 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0106 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	77.17	12.24
26 27 16 00-0107 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	85.20	13.27
26 27 16 00-0108 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0109 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0110 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	57.62	8.17
26 27 16 00-0111 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	70.83	11.23
26 27 16 00-0112 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	79.57	12.24
26 27 16 00-0113 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	91.37	14.29
26 27 16 00-0114 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	94.70	15.32
26 27 16 00-0115 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	109.76	16.33
26 27 16 00-0116 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	117.63	17.35
26 27 16 00-0117 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	132.23	18.38
26 27 16 00-0118 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0119 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	84.55	12.24
26 27 16 00-0120 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	94.89	13.27
26 27 16 00-0121 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	104.45	15.32
26 27 16 00-0122 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	123.85	18.38
26 27 16 00-0123 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	135.05	20.41
26 27 16 00-0124 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	185.38	26.54
26 27 16 00-0125 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	286.92	40.83
26 27 16 00-0126 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	368.06	46.95
26 27 16 00-0127 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	412.70	51.04
26 27 16 00-0128 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0129 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	387.46	52.06
26 27 16 00-0130 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	441.96	56.14
26 27 16 00-0131 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	482.82	59.21
26 27 16 00-0132 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	527.54	61.24
26 27 16 00-0133 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	521.28	61.24
26 27 16 00-0134 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0135 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0134)		
26 27 16 00-0136 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,511.94	82.94
26 27 16 00-0137 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0134)		
26 27 16 00-0138 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,534.33	91.87
26 27 16 00-0139 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,753.22	98.25
26 27 16 00-0140 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,025.95	122.50
26 27 16 00-0141 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,269.52	144.43
26 27 16 00-0142 12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0134)		
26 27 16 00-0143 EA 60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,680.83	144.43
26 27 16 00-0144 EA 60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	1,866.19	153.12
26 27 16 00-0145 EA 72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,109.56	163.32
26 27 16 00-0146 EA 72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,311.82	163.32
26 27 16 00-0147 NEMA 3 Enclosures (26 27 16)		
Note: Can be used underground or encased in concrete.		
26 27 16 00-0148 2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0149 EA 4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	171.60	35.73



MINOR	
CSI UOM DESCRIPTION	

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

26 27 16 00-0150	3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0151	EA 4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	187.45	35.73
26 27 16 00-0152	EA 5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	250.01	37.00
26 27 16 00-0153	EA 6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	260.80	37.00
26 27 16 00-0154	EA 6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	337.58	38.28
26 27 16 00-0155	4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0156	EA 4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	247.10	37.00
26 27 16 00-0157	EA 5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	275.29	37.00
26 27 16 00-0158	EA 6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	287.32	38.28
26 27 16 00-0159	EA 6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	373.94	38.28
26 27 16 00-0160	EA 8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	412.58	40.83
26 27 16 00-0161	EA 8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	444.80	43.38
26 27 16 00-0162	EA 10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	465.40	43.38
26 27 16 00-0163	EA 10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	561.85	44.66
26 27 16 00-0164	EA 12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	612.60	45.94
26 27 16 00-0165	EA 12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	853.13	51.04
26 27 16 00-0166	6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0167	EA 6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	396.00	39.55
26 27 16 00-0168	EA 8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	505.36	44.66
26 27 16 00-0169	EA 8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	599.93	45.94
26 27 16 00-0170	EA 10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	698.38	47.21
26 27 16 00-0171	EA 10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	746.97	47.21
26 27 16 00-0172	EA 12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	852.87	51.04
26 27 16 00-0173	EA 12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	988.51	57.42
26 27 16 00-0174	EA 16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	930.53	54.87
26 27 16 00-0175	EA 18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,814.78	102.08
26 27 16 00-0176	EA 18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,204.56	127.59
26 27 16 00-0177	8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0178	EA 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	753.00	48.49
26 27 16 00-0179	EA 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,143.56	63.80
26 27 16 00-0180	EA 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,163.40	63.80
26 27 16 00-0181	EA 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,564.78	95.70
26 27 16 00-0182	EA 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,090.45	102.08
26 27 16 00-0183	EA 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	5,403.63	178.63
26 27 16 00-0184	10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0185	EA 18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,797.84	127.59
26 27 16 00-0186	12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0187	EA 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	4,356.14	153.12
26 27 16 00-0188	EA 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,564.69	140.36
26 27 16 00-0189	NEMA 3R Enclosures (26 27 16) Note: Rain-tight enclosures.		
26 27 16 00-0190	Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0189)		
26 27 16 00-0191	4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0192	EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	42.66	10.21
26 27 16 00-0193	EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	47.10	11.23
26 27 16 00-0194	EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	67.22	11.23
26 27 16 00-0195	6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0196	EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	87.84	15.32
26 27 16 00-0197	EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	98.14	17.35
26 27 16 00-0198	EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	115.18	19.39
26 27 16 00-0199	EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	124.52	20.41
26 27 16 00-0200	EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	162.12	26.54
26 27 16 00-0201	EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	193.85	32.67
26 27 16 00-0202	EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	221.38	40.83
26 27 16 00-0203	8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0204	EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	336.35	52.06
26 27 16 00-0205	EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	373.06	56.14
26 27 16 00-0206	EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	420.01	59.21
26 27 16 00-0207	EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	441.78	61.24
26 27 16 00-0208	10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0209	EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	417.09	63.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0210 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	471.15	71.45
26 27 16 00-0211 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	521.62	79.11
26 27 16 00-0212 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	574.66	87.28
26 27 16 00-0213 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	625.63	94.93
26 27 16 00-0214 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	271.40	50.02
26 27 16 00-0215 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	417.09	63.29
26 27 16 00-0216 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	493.98	65.33
26 27 16 00-0217 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	625.49	71.45
26 27 16 00-0218 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0219 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	404.72	50.52
26 27 16 00-0220 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	453.82	56.66
26 27 16 00-0221 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	502.40	62.78
26 27 16 00-0222 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	555.65	69.41
26 27 16 00-0223 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	604.75	75.53
26 27 16 00-0224 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	302.37	37.77
26 27 16 00-0225 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	404.72	50.52
26 27 16 00-0226 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	453.82	56.66
26 27 16 00-0227 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	531.35	66.35
26 27 16 00-0228 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	604.75	75.53
26 27 16 00-0229 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	574.73	74.52
26 27 16 00-0230 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	604.75	75.53
26 27 16 00-0231 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	637.04	77.58
26 27 16 00-0232 EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	709.68	81.66
26 27 16 00-0233 EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	769.75	85.74
26 27 16 00-0234 Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0189)		
26 27 16 00-0235 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0236 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	33.82	8.17
26 27 16 00-0237 EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	40.61	10.21
26 27 16 00-0238 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	44.87	11.23
26 27 16 00-0239 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	49.92	12.24
26 27 16 00-0240 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	57.92	14.29
26 27 16 00-0241 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	63.34	15.32
26 27 16 00-0242 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	69.31	16.33
26 27 16 00-0243 EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	68.95	16.33
26 27 16 00-0244 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	75.77	17.35
26 27 16 00-0245 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	81.75	18.38
26 27 16 00-0246 EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	122.82	28.58
26 27 16 00-0247 EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	164.97	36.74
26 27 16 00-0248 6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0249 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	46.26	12.24
26 27 16 00-0250 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	64.33	15.32
26 27 16 00-0251 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	72.87	17.35
26 27 16 00-0252 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	79.35	18.38
26 27 16 00-0253 EA 12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	78.81	18.38
26 27 16 00-0254 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	85.73	19.39
26 27 16 00-0255 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	92.71	20.41
26 27 16 00-0256 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	121.09	26.54
26 27 16 00-0257 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	138.47	31.65
26 27 16 00-0258 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	185.96	40.83
26 27 16 00-0259 EA 24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	193.04	43.89
26 27 16 00-0260 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	223.40	46.95
26 27 16 00-0261 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	253.21	51.04
26 27 16 00-0262 8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0263 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	104.11	22.46
26 27 16 00-0264 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	148.92	34.71
26 27 16 00-0265 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	205.98	44.91
26 27 16 00-0266 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	247.09	52.06
26 27 16 00-0267 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	281.95	56.14
26 27 16 00-0268 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	315.94	59.21
26 27 16 00-0269 10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0270 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	226.83	50.02
26 27 16 00-0271 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	308.70	63.29
26 27 16 00-0272 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	342.20	65.33
26 27 16 00-0273 12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0274 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	341.46	69.41
26 27 16 00-0275 EA 30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	493.74	75.53
26 27 16 00-0276 EA 36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	510.69	77.58
26 27 16 00-0277 EA 36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	605.06	81.66



MINOR
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TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 27 16 00-0278	NEMA 4 Enclosures <small>(26 27 16)</small>			
	Note: Water-tight enclosures.			
26 27 16 00-0279	Hinge Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0278)</small>			
26 27 16 00-0280	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	63.36	7.15
26 27 16 00-0281	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	73.41	8.67
26 27 16 00-0282	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	91.46	11.23
26 27 16 00-0283	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	86.29	11.23
26 27 16 00-0284	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	114.93	15.32
26 27 16 00-0285	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	144.13	18.38
26 27 16 00-0286	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	132.62	17.35
26 27 16 00-0287	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	154.37	20.41
26 27 16 00-0288	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	182.37	23.48
26 27 16 00-0289	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	219.54	29.60
26 27 16 00-0290	Clamp Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0278)</small>			
26 27 16 00-0291	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	57.36	7.15
26 27 16 00-0292	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	80.30	11.23
26 27 16 00-0293	Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures <small>(26 27 16 00-0278)</small>			
26 27 16 00-0294	EA	6" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	70.91	9.80
26 27 16 00-0295	EA	8" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	75.06	10.62
26 27 16 00-0296	EA	10" x 8" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	90.99	13.88
26 27 16 00-0297	EA	12" x 10" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	107.35	15.32
26 27 16 00-0298	EA	14" x 12" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	139.73	19.39
26 27 16 00-0299	EA	16" x 14" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	163.09	22.96
26 27 16 00-0300	EA	18" x 16" x 10" Screw Cover, Fiberglass NEMA 4 Enclosure	223.51	36.74
26 27 16 00-0301	NEMA 4X Enclosures <small>(26 27 16)</small>			
	Note: Water-tight enclosures.			
26 27 16 00-0302	Clamp Cover, Aluminum NEMA 4X Enclosures <small>(26 27 16 00-0301)</small>			
26 27 16 00-0303	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	134.34	8.17
26 27 16 00-0304	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	156.21	11.23
26 27 16 00-0305	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	196.54	15.32
26 27 16 00-0306	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	238.89	18.38
26 27 16 00-0307	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	293.39	23.48
26 27 16 00-0308	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	343.93	29.60
26 27 16 00-0309	Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures <small>(26 27 16 00-0301)</small>			
26 27 16 00-0310	EA	4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	121.19	7.15
		<i>For 316L Stainless Steel, Add</i>	27.90	
26 27 16 00-0311	EA	6" x 4" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	157.74	10.21
		<i>For 316L Stainless Steel, Add</i>	35.70	
26 27 16 00-0312	EA	6" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	178.70	11.23
		<i>For 316L Stainless Steel, Add</i>	40.67	
26 27 16 00-0313	EA	8" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	204.45	12.24
		<i>For 316L Stainless Steel, Add</i>	46.93	
26 27 16 00-0314	EA	10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	251.14	15.32
		<i>For 316L Stainless Steel, Add</i>	57.47	
26 27 16 00-0315	EA	12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	352.99	19.39
		<i>For 316L Stainless Steel, Add</i>	82.22	
26 27 16 00-0316	EA	14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	439.96	23.48
		<i>For 316L Stainless Steel, Add</i>	102.94	
26 27 16 00-0317	EA	16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	530.56	29.60
		<i>For 316L Stainless Steel, Add</i>	123.27	
26 27 16 00-0318	Screw Cover, Polycarbonate NEMA 4X Enclosures <small>(26 27 16 00-0301)</small>			
	Note: NEMA 3R, 4, 4X and 12 rated.			
26 27 16 00-0319	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	73.40	11.23
26 27 16 00-0320	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	83.10	12.24
26 27 16 00-0321	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	94.78	14.29
26 27 16 00-0322	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	103.29	15.32
26 27 16 00-0323	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	119.72	17.35
26 27 16 00-0324	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	111.37	17.35
26 27 16 00-0325	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	130.76	19.39
26 27 16 00-0326	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	164.85	23.48
26 27 16 00-0327	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	208.01	32.16
26 27 16 00-0328	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	261.98	46.29
26 27 16 00-0329	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	79.96	11.23
26 27 16 00-0330	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	90.86	12.24
26 27 16 00-0331	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	103.13	14.29
26 27 16 00-0332	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	113.43	15.32
26 27 16 00-0333	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	130.45	17.35
26 27 16 00-0334	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	121.51	17.35
26 27 16 00-0335	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	144.52	19.39
26 27 16 00-0336	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	172.01	23.48
26 27 16 00-0337	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	222.93	32.16
26 27 16 00-0338	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	278.08	46.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 16 00-0339	Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0301) Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0340	EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	91.89	11.23
26 27 16 00-0341	EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	98.02	12.24
26 27 16 00-0342	EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	110.88	14.29
26 27 16 00-0343	EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	119.99	15.32
26 27 16 00-0344	EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	142.98	17.35
26 27 16 00-0345	EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	129.86	17.35
26 27 16 00-0346	EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	161.81	19.39
26 27 16 00-0347	EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	191.69	23.48
26 27 16 00-0348	EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	231.27	32.16
26 27 16 00-0349	EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	292.39	46.29
26 27 16 00-0350	EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	96.66	11.23
26 27 16 00-0351	EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	106.96	12.24
26 27 16 00-0352	EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	119.23	14.29
26 27 16 00-0353	EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	128.93	15.32
26 27 16 00-0354	EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	154.91	17.35
26 27 16 00-0355	EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	140.00	17.35
26 27 16 00-0356	EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	174.34	19.39
26 27 16 00-0357	EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	197.66	23.48
26 27 16 00-0358	EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	250.95	32.16
26 27 16 00-0359	EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	313.27	46.29
26 27 16 00-0360	NEMA 7/9 Enclosures (26 27 16) Note: Nominal inside dimensions.		
26 27 16 00-0361	4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)		
26 27 16 00-0362	EA 6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	887.46	57.42
	For Mounting Pan, Add	40.90	
26 27 16 00-0363	EA 6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	687.75	61.24
	For Mounting Pan, Add	76.21	
26 27 16 00-0364	EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,409.75	68.90
	For Mounting Pan, Add	105.09	
26 27 16 00-0365	6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)		
26 27 16 00-0366	EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,243.77	68.90
	For Mounting Pan, Add	53.44	
26 27 16 00-0367	EA 8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,644.84	70.82
	For Mounting Pan, Add	105.09	
26 27 16 00-0368	EA 8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,677.99	76.56
	For Mounting Pan, Add	80.38	
26 27 16 00-0369	EA 10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,724.64	76.56
	For Mounting Pan, Add	94.05	
26 27 16 00-0370	EA 10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,454.54	95.70
	For Mounting Pan, Add	123.39	
26 27 16 00-0371	EA 12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,318.96	86.12
	For Mounting Pan, Add	77.04	
26 27 16 00-0372	EA 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,390.67	95.70
	For Mounting Pan, Add	115.28	
26 27 16 00-0373	EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,661.47	172.26
	For Mounting Pan, Add	155.09	
26 27 16 00-0374	EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,935.40	114.84
	For Mounting Pan, Add	151.00	
26 27 16 00-0375	EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,800.01	191.40
	For Mounting Pan, Add	138.63	
26 27 16 00-0376	EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,603.27	191.40
	For Mounting Pan, Add	225.37	
26 27 16 00-0377	8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)		
26 27 16 00-0378	EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,962.39	86.12
	For Mounting Pan, Add	80.38	
26 27 16 00-0379	EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,976.89	86.12
	For Mounting Pan, Add	94.05	
26 27 16 00-0380	EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,253.01	86.12
	For Mounting Pan, Add	123.39	
26 27 16 00-0381	EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,496.48	95.70
	For Mounting Pan, Add	77.04	
26 27 16 00-0382	EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,586.68	172.26
	For Mounting Pan, Add	115.28	
26 27 16 00-0383	EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,363.34	210.54
	For Mounting Pan, Add	155.09	
26 27 16 00-0384	EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	6,957.58	248.81
	For Mounting Pan, Add	233.24	
26 27 16 00-0385	EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,902.17	210.54
	For Mounting Pan, Add	151.00	
26 27 16 00-0386	EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,015.81	210.54
	For Mounting Pan, Add	138.63	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0387 EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,090.69 207.80	229.67
26 27 16 00-0388 EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,003.94 225.37	210.54
26 27 16 00-0389 EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,750.20 329.56	229.67
26 27 16 00-0390 EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,701.96 439.35	229.67
26 27 16 00-0391 EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,469.57 549.10	306.23
26 27 16 00-0392 EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,948.06 510.57	248.81
26 27 16 00-0393 EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	14,487.18 698.96	382.79
26 27 16 00-0394 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0395 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,249.89 233.24	248.81
26 27 16 00-0396 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,672.91 207.80	229.67
26 27 16 00-0397 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,271.64 329.56	248.81
26 27 16 00-0398 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,245.02 549.10	267.95
26 27 16 00-0399 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,140.96 510.57	267.95
26 27 16 00-0400 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	15,826.29 698.96	382.79
26 27 16 00-0401 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0402 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,467.59 155.09	210.54
26 27 16 00-0403 Breaker Enclosures <small>(26 27 16)</small>		
See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0404 15 To 100 Amp, F-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0405 EA NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	245.16	40.83
26 27 16 00-0406 EA NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	514.21	40.83
26 27 16 00-0407 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,350.24	56.14
26 27 16 00-0408 EA NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,857.88	61.24
26 27 16 00-0409 EA NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,324.11	61.24
26 27 16 00-0410 EA NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	402.10	56.14
26 27 16 00-0411 15 To 250 Amp, H Or J-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0412 EA NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	408.14	56.14
26 27 16 00-0413 EA NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	838.97	56.14
26 27 16 00-0414 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	3,088.57	71.45
26 27 16 00-0415 EA NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	646.39	71.45
26 27 16 00-0416 125 To 400 Amp, L-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0417 EA NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	593.97	112.29
26 27 16 00-0418 EA NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,656.34	112.29
26 27 16 00-0419 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	5,193.54	142.91
26 27 16 00-0420 EA NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	1,066.96	142.91
26 27 16 00-0421 300 To 800 Amp, M-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0422 EA NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	1,173.60	214.36
26 27 16 00-0423 EA NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	2,296.50	214.36
26 27 16 00-0424 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	9,310.31	275.61
26 27 16 00-0425 EA NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	4,805.73	275.61
26 27 16 00-0426 250 To 1,200 Amp, P-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0427 EA NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	1,518.78	214.36
26 27 16 00-0428 EA NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	2,842.38	214.36
26 27 16 00-0429 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	6,172.59	275.61
26 27 16 00-0430 Legend Plates <small>(26 27 16)</small>		
26 27 16 00-0431 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	7.64	2.55
26 27 16 00-0432 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	9.79	2.55

26 27 23 Indoor Service Poles (26 27)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0001	Communication And Power Poles <small>(26 27 23)</small>	
Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002	Steel Communication And Power Poles <small>(26 27 23 00-0001)</small>	
26 27 23 00-0003	2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>	
26 27 23 00-0004	2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>	
26 27 23 00-0005	EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	200.83
26 27 23 00-0006	EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	221.04
26 27 23 00-0007	EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	244.42
26 27 23 00-0008	Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>	
Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	38.70
26 27 23 00-0010	EA Add-On Cover Plate For Three Duplex Receptacles	34.69
26 27 23 00-0011	EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	40.18
26 27 23 00-0012	EA Add-On Cover Plate For Data And A/V Modular Devices	27.99
26 27 23 00-0013	EA Add-On Radius Control Entrance End Fitting	21.85
26 27 23 00-0014	2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>	
26 27 23 00-0015	2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>	
26 27 23 00-0016	EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	270.14
26 27 23 00-0017	EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	313.58
26 27 23 00-0018	EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	337.02
26 27 23 00-0019	Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>	
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA Add-On Cover Plate For One Single Receptacle.....	25.28
26 27 23 00-0021	EA Add-On Cover Plate For One Duplex Receptacle.....	22.04
26 27 23 00-0022	EA Add-On Cover Plate For Data And A/V Modular Devices	24.36
26 27 23 00-0023	3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>	
26 27 23 00-0024	3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>	
26 27 23 00-0025	EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	362.19
26 27 23 00-0026	EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	414.47
26 27 23 00-0027	EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	448.94
26 27 23 00-0028	Additional Cover Plates For 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>	
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA Add-On Cover Plate For One Single Receptacle.....	25.28
26 27 23 00-0030	EA Add-On Cover Plate For One Duplex Receptacle.....	22.04
26 27 23 00-0031	EA Add-On Cover Plate For Data And A/V Modular Devices	24.36
26 27 23 00-0032	Aluminum Communication And Power Poles <small>(26 27 23 00-0001)</small>	
26 27 23 00-0033	2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>	
26 27 23 00-0034	2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>	
26 27 23 00-0035	EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	283.74
26 27 23 00-0036	EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	320.30
26 27 23 00-0037	EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	361.28
26 27 23 00-0038	Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>	
26 27 23 00-0039	EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	42.31
26 27 23 00-0040	EA Add-On Cover Plate For Three Duplex Receptacles	43.35
26 27 23 00-0041	EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	46.78
26 27 23 00-0042	EA Add-On Cover Plate For Data And A/V Modular Devices	29.92
26 27 23 00-0043	EA Add-On Radius Control Entrance End Fitting	21.85
26 27 23 00-0044	2-1/4" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>	
26 27 23 00-0045	EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	272.33
26 27 23 00-0046	EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	309.82
26 27 23 00-0047	EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	353.99
26 27 23 00-0048	5" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	606.27	22.63
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	698.22	22.63
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	801.21	22.63
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole (26 27 23 00-0032)		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	314.23	22.63
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	295.70	22.63
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	388.18	22.63
26 27 26		Wiring Devices (26 27)		
		Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001		Receptacles (26 27 26)		
26 27 26 00-0002		General Use Receptacles (26 27 26 00-0001)		
26 27 26 00-0003		Receptacle Assemblies (26 27 26 00-0002)		
		Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly	42.22	18.12
26 27 26 00-0005	EA	1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly	45.21	19.39
26 27 26 00-0006	EA	2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly	54.34	23.22
26 27 26 00-0007	EA	2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly	60.31	25.77
26 27 26 00-0008	EA	1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly	48.11	18.12
26 27 26 00-0009	EA	1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly	51.40	19.39
26 27 26 00-0010		Receptacle Components (26 27 26 00-0002)		
26 27 26 00-0011	EA	15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase	11.82	5.11
26 27 26 00-0012	EA	15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase	11.47	5.11
26 27 26 00-0013	EA	15 Amp, Single Receptacle, 120/277 Volt, 3 Wire	13.50	5.11
26 27 26 00-0014	EA	15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire	14.67	5.11
26 27 26 00-0015	EA	15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase	18.71	6.38
26 27 26 00-0016	EA	15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase	22.55	6.38
26 27 26 00-0017	EA	20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase	12.27	5.11
26 27 26 00-0018	EA	20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase	11.91	5.11
26 27 26 00-0019	EA	20 Amp, Single Receptacle, 120/277 Volt	17.18	5.11
26 27 26 00-0020	EA	20 Amp, Duplex Receptacle, 120/277 Volt	14.30	5.11
26 27 26 00-0021	EA	20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase	18.71	6.38
26 27 26 00-0022	EA	20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 3 Phase	22.55	6.38
26 27 26 00-0023	EA	20 Amp, NEMA 14-20, Single Receptacle, 125/250 Volt, 1 Phase	34.88	6.38
26 27 26 00-0024	EA	20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase	34.88	6.38
26 27 26 00-0025	EA	25 Amp, Duplex Receptacle, 120/277 Volt	29.53	7.66
26 27 26 00-0026		Specialty Receptacles (26 27 26 00-0001)		
26 27 26 00-0027		Specialty Receptacles (26 27 26 00-0026)		
26 27 26 00-0028	EA	30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase	26.58	8.93
26 27 26 00-0029	EA	30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase	26.58	8.93
26 27 26 00-0030	EA	30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt	40.78	8.93
26 27 26 00-0031	EA	30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase	39.98	8.93
26 27 26 00-0032	EA	30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase	42.53	10.21
26 27 26 00-0033	EA	50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase	39.33	10.21
26 27 26 00-0034	EA	50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase	38.43	10.21
26 27 26 00-0035	EA	50 Amp, NEMA 7-50 Single Receptacles, 277 Volt	33.79	10.21
26 27 26 00-0036	EA	50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt	49.76	10.21
26 27 26 00-0037	EA	50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase	47.44	10.21
26 27 26 00-0038	EA	50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase	49.99	11.48
26 27 26 00-0039	EA	60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase	55.01	12.76
26 27 26 00-0040	EA	60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase	60.11	15.32
26 27 26 00-0041	EA	100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete	568.09	119.94
26 27 26 00-0042	EA	400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete	1,380.69	146.73
26 27 26 00-0043	EA	30 Amp, Dryer Receptacle, 230 Volt	31.69	10.21
26 27 26 00-0044	EA	60 Amp, Range Receptacle, 230 Volt	46.42	15.32
26 27 26 00-0045	EA	15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt	29.55	6.38
26 27 26 00-0046	EA	Cable Reel With 20 Amp, 120 Volt Receptacle - Complete	598.31	155.52
26 27 26 00-0047		Isolated Ground Receptacles (26 27 26 00-0026)		
26 27 26 00-0048	EA	15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	48.55	5.11
		Note: 2 Pole, 3 wire.		
26 27 26 00-0049	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Simplex	25.18	6.38
26 27 26 00-0050	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	25.09	6.38
26 27 26 00-0051	EA	30 Amp, 120 Volt Isolated Ground Receptacles, Simplex	34.96	10.21
26 27 26 00-0052	EA	Locking 15 Amp, 250 Volt Isolated Ground Receptacles	28.14	6.38
26 27 26 00-0053	EA	Locking 15 Amp, 277 Volt Isolated Ground Receptacles	25.83	6.38
26 27 26 00-0054	EA	Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	35.60	7.66
26 27 26 00-0055	EA	Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	28.43	7.66
26 27 26 00-0056	EA	Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	36.45	7.66
26 27 26 00-0057	EA	Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	44.26	7.66
26 27 26 00-0058	EA	Locking 30 Amp, 277 Volt Isolated Ground Receptacles	43.84	10.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0059 Explosion Proof Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0060 EA 1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	517.02	12.76
26 27 26 00-0061 EA 3/4", 20 Amp, 2 Watt., 3 Pole, Type CPS Explosion Proof Receptacle Assembly	474.61	14.03
26 27 26 00-0062 EA 3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	787.39	25.52
26 27 26 00-0063 EA 3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	996.96	25.52
26 27 26 00-0064 EA 1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,256.91	38.28
26 27 26 00-0065 EA 1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,196.23	38.28
26 27 26 00-0066 Ground Fault Circuit Interrupter (GFCI) <small>(26 27 26 00-0026)</small>		
26 27 26 00-0067 EA 15 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	16.08	6.38
26 27 26 00-0068 EA 20 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	23.21	7.66
26 27 26 00-0069 Locking Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0070 EA NEMA L5-15, 125 Volt, 2 Pole, 15 Amp, Locking Receptacle	27.17	6.38
26 27 26 00-0071 EA NEMA L6-15, 250 Volt, 2 Pole, 15 Amp, Locking Receptacle	34.65	6.38
26 27 26 00-0072 EA NEMA L5-20, 125 Volt, 2 Pole, 20 Amp, Locking Receptacle	29.65	7.66
26 27 26 00-0073 EA NEMA L6-20, 250 Volt, 2 Pole, 20 Amp, Locking Receptacle	29.32	7.66
26 27 26 00-0074 EA NEMA L8-20, 480 Volt, 2 Pole, 20 Amp, Locking Receptacle	35.90	7.66
26 27 26 00-0075 EA NEMA L9-20, 600 Volt, 2 Pole, 20 Amp, Locking Receptacle	44.40	7.66
26 27 26 00-0076 EA NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle.....	43.46	7.66
26 27 26 00-0077 EA NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle.....	37.24	7.66
26 27 26 00-0078 EA NEMA L5-30, 125 Volt, 2 Pole, 30 Amp, Locking Receptacle	41.21	10.21
26 27 26 00-0079 EA NEMA L6-30, 250 Volt, 2 Pole, 30 Amp, Locking, Receptacle	42.00	10.21
26 27 26 00-0080 EA NEMA L15-30, 250 Volt, 3 Pole, 30 Amp, Locking Receptacle.....	47.01	10.21
26 27 26 00-0081 Weathertight Pin And Sleeve Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0082 EA 20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	145.12	25.52
26 27 26 00-0083 EA 20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	144.73	25.52
26 27 26 00-0084 EA 20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	152.07	25.52
26 27 26 00-0085 EA 20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	188.29	28.07
26 27 26 00-0086 EA 20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	188.90	28.07
26 27 26 00-0087 EA 20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	187.49	28.07
26 27 26 00-0088 EA 30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	226.76	31.38
26 27 26 00-0089 EA 30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	214.83	31.38
26 27 26 00-0090 EA 30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	233.51	31.38
26 27 26 00-0091 EA 30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	233.38	34.46
26 27 26 00-0092 EA 30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	233.15	34.46
26 27 26 00-0093 EA 30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	234.84	34.46
26 27 26 00-0094 EA 60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	335.21	40.83
26 27 26 00-0095 EA 60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	320.76	40.83
26 27 26 00-0096 EA 60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	330.17	40.83
26 27 26 00-0097 EA 60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	367.73	45.43
26 27 26 00-0098 EA 60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	368.01	45.43
26 27 26 00-0099 EA 60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	368.29	45.43
26 27 26 00-0100 EA 100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	408.87	51.04
26 27 26 00-0101 EA 100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	427.39	51.04
26 27 26 00-0102 EA 100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	458.70	56.14
26 27 26 00-0103 EA 100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	457.31	56.14
26 27 26 00-0104 EA 100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	459.93	56.14
26 27 26 00-0105 Corrosion Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0106 EA 15/20 Amp, 125 Volt Corrosion Resistant, Power Receptacles.....	30.72	5.11
26 27 26 00-0107 EA 15/20 Amp, 250 Volt Corrosion Resistant, Power Receptacles.....	61.23	6.38
26 27 26 00-0108 Tamper Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0109 EA 15 Amp, 125 Volt Duplex Tamper Resistant Receptacle	13.42	5.11
Note: Pass & Seymour 3232-TR.		
26 27 26 00-0110 EA 20 Amp, 125 Volt Duplex Specification Grade Tamper Resistant Receptacle.....	15.07	5.11
Note: Pass & Seymour TR20.		
26 27 26 00-0111 EA 15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	19.80	5.11
Note: Pass & Seymour TR5251.		
26 27 26 00-0112 EA 20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	22.03	5.11
Note: Pass & Seymour TR5351.		
26 27 26 00-0113 EA 15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle.....	35.37	5.11
Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0114 EA 15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	38.56	5.11
Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0115 EA 20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	41.59	5.11
Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0116 USB Charger/Duplex Tamper-Resistant Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0117 EA 15 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	36.56	5.11
26 27 26 00-0118 EA 20 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	39.86	5.11



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 26 00-0119			Television Receptacle (26 27 26 00-0001)		
26 27 26 00-0120	EA		TV Receptacle With Cover (Type F) - Complete.....	32.31	11.84
26 27 26 00-0121			Switches (26 27 26)		
26 27 26 00-0122			Switches (26 27 26 00-0121)		
26 27 26 00-0123			Switch Assemblies (26 27 26 00-0122)		
			Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0124	EA		1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	43.60	17.86
26 27 26 00-0125	EA		1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	46.88	19.39
26 27 26 00-0126	EA		2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	58.37	23.35
26 27 26 00-0127	EA		2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	63.91	25.90
26 27 26 00-0128	EA		3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	100.05	40.07
26 27 26 00-0129	EA		3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	108.35	43.89
26 27 26 00-0130	EA		4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	115.07	45.29
26 27 26 00-0131	EA		4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	126.13	50.40
26 27 26 00-0132			Switch Components (26 27 26 00-0122)		
26 27 26 00-0133	EA		15 Amp, 120/277 Volt, SPST Switch.....	13.36	5.11
26 27 26 00-0134	EA		15 Amp, 120/277 Volt, 3-Way Switch.....	16.91	6.38
26 27 26 00-0135	EA		15 Amp, 120/277 Volt, 4-Way Switch.....	32.44	10.21
26 27 26 00-0136	EA		15 Amp, 120/277 Volt, DPST Switch	15.20	5.11
26 27 26 00-0137	EA		15 Amp, 120/277 Volt, Thermal Switch.....	28.44	6.38
26 27 26 00-0138	EA		20 Amp, 120/277 Volt, SPST Switch.....	16.13	6.38
26 27 26 00-0139	EA		20 Amp, 120/277 Volt, 3-Way Switch.....	19.92	7.66
26 27 26 00-0140	EA		20 Amp, 120/277 Volt, 4-Way Switch.....	43.35	10.21
26 27 26 00-0141	EA		20 Amp, 120/277 Volt, DPST Switch	19.07	6.38
26 27 26 00-0142	EA		20 Amp, 120/277 Volt, DPDT Switch.....	20.37	6.38
26 27 26 00-0143	EA		15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off.....	45.78	6.40
26 27 26 00-0144	EA		15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off.....	58.34	6.40
26 27 26 00-0145	EA		Momentary Contact Switch With Separate Neon Pilot.....	43.46	7.68
			Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0146	EA		20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off	24.39	8.93
			Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0147	EA		20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch.....	29.93	10.21
			Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0148	EA		20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch.....	43.38	10.21
			Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0149	EA		30 Amp, 120/277 Volt, Single Pole Local Switch	44.53	10.23
26 27 26 00-0150	EA		30 Amp, 120/277 Volt, Double Pole Local Switch.....	55.82	10.23
26 27 26 00-0151	EA		30 Amp, 120/277 Volt, Three-Way Local Switch.....	57.56	12.79
26 27 26 00-0152	EA		30 Amp, 120/277 Volt, Four-Way Local Switch.....	81.84	14.07
26 27 26 00-0153	EA		15 Amp, 120/277 Volt, Local Switch With Neon Pilot.....	35.31	8.36
26 27 26 00-0154	EA		15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot	52.52	8.36
			Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0155	EA		15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position.....	45.10	8.36
26 27 26 00-0156	EA		15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position	42.55	8.36
26 27 26 00-0157	EA		Automatic Door Switch, Door Open-Light On, 6 Amp, 125 Volt.....	51.07	4.15
26 27 26 00-0158	EA		Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 Volt.....	54.53	4.15
26 27 26 00-0159	EA		15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle	55.35	15.97
26 27 26 00-0160	EA		Momentary Contact Switch, Three Position, Center Off, Key Operated.....	67.91	15.97
			Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0161			Specialty Switches (26 27 26 00-0121)		
26 27 26 00-0162			Dimmers With SPST Switch (26 27 26 00-0161)		
26 27 26 00-0163	EA		600 Watt Dimmers With SPST Switch	29.78	11.48
26 27 26 00-0164	EA		1,000 Watt Dimmers With SPST Switch	51.06	11.48
26 27 26 00-0165	EA		1,500 Watt Dimmers With SPST Switch	91.91	18.48
26 27 26 00-0166	EA		2,000 Watt Dimmers With SPST Switch	119.06	18.48
26 27 26 00-0167	EA		600 Watt Fluorescent Dimmer Switch.....	66.36	13.63
26 27 26 00-0168	EA		1,000 Watt Fluorescent Dimmer Switch.....	89.72	13.63
26 27 26 00-0169	EA		1,500 Watt Fluorescent Dimmer Switch	162.31	20.56
26 27 26 00-0170	EA		Remote Speed Switch For Paddle Fan.....	49.02	16.99
26 27 26 00-0171	EA		600 Watt Combination Remote Speed Switch/Incandescent Dimmer	80.80	25.36
26 27 26 00-0172			Time Switches (26 27 26 00-0161)		
26 27 26 00-0173	EA		40 Amp, SPST, 125 Volt, Standard Time Switch	55.20	15.32
26 27 26 00-0174	EA		40 Amp, SPST, 277 Volt, Standard Time Switch	56.43	15.32
26 27 26 00-0175	EA		40 Amp, DPST, 125 Volt, Standard Time Switch	55.20	15.32
26 27 26 00-0176	EA		40 Amp, DPST, 277 Volt, Standard Time Switch	56.43	15.32
26 27 26 00-0177	EA		40 Amp, SPST, 125 Volt, 7-Day Time Switch.....	63.39	15.32
26 27 26 00-0178	EA		40 Amp, SPST, 277 Volt, 7-Day Time Switch.....	63.39	15.32
26 27 26 00-0179	EA		40 Amp, DPDT, 125 Volt, 7-Day Time Switch.....	111.72	15.32
26 27 26 00-0180	EA		40 Amp, DPDT, 277 Volt, 7-Day Time Switch.....	111.72	15.32
26 27 26 00-0181	EA		20 Amp, SPST, 125 Volt, Programmable Time Switch	96.22	15.32
26 27 26 00-0182	EA		20 Amp, SPST, 277 Volt, Programmable Time Switch	105.69	15.32
26 27 26 00-0183	EA		20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof	105.69	15.32
26 27 26 00-0184	EA		40 Amp, 4PST, 125 Volt, Astro Dial Time Switch.....	128.07	15.32
26 27 26 00-0185	EA		40 Amp, 4PST, 277 Volt, Astro Dial Time Switch.....	131.84	15.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0186 EA 40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof	55.20	15.32
26 27 26 00-0187 EA 40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof	56.43	15.32
26 27 26 00-0188 EA 40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof	55.20	15.32
26 27 26 00-0189 EA 40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof	56.43	15.32
26 27 26 00-0190 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof	63.39	15.32
26 27 26 00-0191 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof	63.39	15.32
26 27 26 00-0192 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof	111.72	15.32
26 27 26 00-0193 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof	111.72	15.32
26 27 26 00-0194 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof	128.07	15.32
26 27 26 00-0195 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof	131.84	15.32
26 27 26 00-0196 Low Voltage Switching (26 27 26 00-0181)		
26 27 26 00-0197 EA 36 Pin Male Or Female Connector	89.67	5.11
26 27 26 00-0198 Other Switches (26 27 26 00-0181)		
26 27 26 00-0199 EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	16.84	7.66
26 27 26 00-0200 EA Locking Switch, SPST Concealed Devices	51.39	20.41
26 27 26 00-0201 EA Locking Switch, 3-Way Concealed Devices	52.05	20.41
26 27 26 00-0202 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	56.90	19.09
26 27 26 00-0203 EA 15 Amp Momentary Contact Switch	54.22	19.09
26 27 26 00-0204 EA 20 Amp Momentary Contact Switch	57.04	19.09
26 27 26 00-0205 EA 2-1/4" Handy Box Cover Units Fuseholder Switch	53.93	23.03
26 27 26 00-0206 EA 2-3/4" Handy Box Cover Units Fuseholder Switch	54.72	23.03
26 27 26 00-0207 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches	67.32	28.15
26 27 26 00-0208 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch	61.22	25.59
26 27 26 00-0209 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	61.42	25.59
26 27 26 00-0210 Plates And Covers (26 27 26)		
26 27 26 00-0211 Wall Plates (26 27 26 00-0210)		
26 27 26 00-0212 Nylon Wall Plates (26 27 26 00-0211)		
26 27 26 00-0213 EA 1 Gang Nylon Switch Plate	0.92	0.25
26 27 26 00-0214 EA 2 Gang Nylon Switch Plate	1.58	0.38
26 27 26 00-0215 EA 3 Gang Nylon Switch Plate	2.29	0.51
26 27 26 00-0216 EA 4 Gang Nylon Switch Plate	3.37	0.64
26 27 26 00-0217 EA 1 Gang Duplex Nylon Wall Plate	0.93	0.25
26 27 26 00-0218 EA 2 Gang Duplex Nylon Wall Plate	1.63	0.38
26 27 26 00-0219 Plastic Wall Plates (26 27 26 00-0211)		
26 27 26 00-0220 EA 1 Gang Plastic Switch Plate	0.84	0.25
26 27 26 00-0221 EA 2 Gang Plastic Switch Plate	1.42	0.38
26 27 26 00-0222 EA 3 Gang Plastic Switch Plate	2.03	0.51
26 27 26 00-0223 EA 4 Gang Plastic Switch Plate	3.37	0.64
26 27 26 00-0224 EA 1 Gang Duplex Plastic Wall Plate	0.84	0.25
26 27 26 00-0225 EA 2 Gang Duplex Plastic Wall Plate	1.43	0.38
26 27 26 00-0226 Brass Wall Plates (26 27 26 00-0211)		
26 27 26 00-0227 EA 1 Gang 0.04" Brass Switch Plate	10.05	1.15
26 27 26 00-0228 EA 2 Gang 0.04" Brass Switch Plate	19.48	1.33
26 27 26 00-0229 EA 3 Gang 0.04" Brass Switch Plate	28.86	1.48
26 27 26 00-0230 EA 4 Gang 0.04" Brass Switch Plate	45.43	1.61
26 27 26 00-0231 EA 5 Gang 0.04" Brass Switch Plate	55.54	1.71
26 27 26 00-0232 EA 6 Gang 0.04" Brass Switch Plate	64.43	1.79
26 27 26 00-0233 EA 1 Gang 0.04" Brass Duplex Receptacle Wall Plate	10.05	1.15
26 27 26 00-0234 EA 2 Gang 0.04" Brass Duplex Receptacle Wall Plate	23.01	1.33
26 27 26 00-0235 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate	33.51	1.48
26 27 26 00-0236 Stainless Steel Wall Plates (26 27 26 00-0211)		
26 27 26 00-0237 EA 1 Gang, 302 Stainless Steel Switch Plate With Satin Finish	4.95	1.15
26 27 26 00-0238 EA 2 Gang, 302 Stainless Steel Switch Plate With Satin Finish	8.35	1.33
26 27 26 00-0239 EA 3 Gang, 302 Stainless Steel Switch Plate With Satin Finish	11.96	1.48
26 27 26 00-0240 EA 4 Gang, 302 Stainless Steel Switch Plate With Satin Finish	17.98	1.61
26 27 26 00-0241 EA 5 Gang, 302 Stainless Steel Switch Plate With Satin Finish	21.32	1.71
26 27 26 00-0242 EA 6 Gang, 302 Stainless Steel Switch Plate With Satin Finish	26.01	1.79
26 27 26 00-0243 EA 1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	5.52	1.15
26 27 26 00-0244 EA 2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	9.67	1.33
26 27 26 00-0245 EA 3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	16.33	1.48
26 27 26 00-0246 EA 4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	19.87	1.61
26 27 26 00-0247 Chrome Wall Plates (26 27 26 00-0211)		
26 27 26 00-0248 EA 1 Gang 0.040" Chrome Switch Plate With Chromium Finish	21.02	1.15
26 27 26 00-0249 EA 2 Gang 0.040" Chrome Switch Plate With Chromium Finish	40.03	1.33
26 27 26 00-0250 EA 3 Gang 0.040" Chrome Switch Plate With Chromium Finish	59.04	1.48
26 27 26 00-0251 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish	21.00	1.15



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 26 00-0252			Weatherproof Covers (26 27 26 00-0210)		
26 27 26 00-0253			Stamped Metallic Weatherproof Covers (26 27 26 00-0252)		
			Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0254	EA		Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	8.08	0.25
26 27 26 00-0255	EA		Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	8.78	0.25
26 27 26 00-0256	EA		Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	8.78	0.25
26 27 26 00-0257	EA		Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	8.78	0.25
26 27 26 00-0258	EA		Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	10.68	0.38
26 27 26 00-0259	EA		Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	12.19	0.38
26 27 26 00-0260	EA		Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	12.34	0.38
26 27 26 00-0261	EA		Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	12.34	0.38
26 27 26 00-0262	EA		Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	16.96	0.38
26 27 26 00-0263	EA		Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	15.89	0.51
26 27 26 00-0264	EA		Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	17.44	0.51
26 27 26 00-0265			Cast Metallic Weatherproof Covers (26 27 26 00-0252)		
			Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0266	EA		Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	9.97	0.25
26 27 26 00-0267	EA		Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	32.54	0.25
26 27 26 00-0268	EA		Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	36.53	0.25
26 27 26 00-0269	EA		Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	9.89	0.25
26 27 26 00-0270	EA		Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	27.53	0.25
26 27 26 00-0271	EA		Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	46.02	0.25
26 27 26 00-0272	EA		Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	58.68	0.25
26 27 26 00-0273	EA		Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	12.34	0.38
26 27 26 00-0274	EA		Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	92.72	0.38
26 27 26 00-0275	EA		Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	20.84	0.51
26 27 26 00-0276	EA		Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	88.41	0.51
26 27 26 00-0277			Die Cast Aluminum Weatherproof Covers (26 27 26 00-0252)		
			Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0278	EA		Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	3.13	0.25
26 27 26 00-0279	EA		Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	4.09	0.25
26 27 26 00-0280	EA		Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	5.44	0.38
26 27 26 00-0281	EA		Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	5.94	0.38
26 27 26 00-0282	EA		Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042).....	5.94	0.38
26 27 26 00-0283	EA		Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043).....	6.66	0.38
26 27 26 00-0284			Heavy Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0252)		
			Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0285	EA		Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	34.35	0.25
26 27 26 00-0286			Polycarbonate Weatherproof Covers (26 27 26 00-0252)		
			Note: Includes neoprene gasket.		
26 27 26 00-0287	EA		Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	6.71	0.25
26 27 26 00-0288	EA		Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	6.71	0.25
26 27 26 00-0289	EA		Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	6.71	0.25
26 27 26 00-0290	EA		Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	8.23	0.38
26 27 26 00-0291	EA		Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	8.23	0.38
26 27 26 00-0292			High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0252)		
			Note: Includes neoprene gasket.		
26 27 26 00-0293	EA		Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	50.31	0.25
26 27 26 00-0294			Non Metallic (PVC) Weatherproof Covers (26 27 26 00-0252)		
			Note: Includes neoprene gasket.		
26 27 26 00-0295	EA		Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover	8.92	0.25
26 27 26 00-0296	EA		Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover	9.42	0.38
26 27 26 00-0297	EA		Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	8.95	0.25
26 27 26 00-0298	EA		Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	20.16	0.25
26 27 26 00-0299	EA		Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	23.43	0.25
26 27 26 00-0300	EA		20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	18.93	0.25
26 27 26 00-0301	EA		30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	14.01	0.25
26 27 26 00-0302	EA		50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	16.46	0.25
26 27 26 00-0303	EA		Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	14.68	0.25
26 27 26 00-0304	EA		Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover	21.11	0.38
26 27 26 00-0305			Removal And Reinstallation Of Wiring Devices (26 27 26)		
			Note: Includes storage and cleaning.		
26 27 26 00-0306	EA		Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device.....	33.58	
26 27 26 00-0307	EA		Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate.....	4.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 26 00-0308	Relay Systems <small>(26 27 26)</small>		
26 27 26 00-0309	EA Relay 2 Position, 10 Amp, 24 Volt Coil	43.43	11.48
26 27 26 00-0310	EA Industrial Control Relay 20 Amp, 120 Volt Coil Up To 4 Contacts	197.62	38.28
26 27 26 00-0311	EA Industrial Control Relay 20 Amp, 120 Volt Coil 12 Contacts	344.39	51.04

26 27 26 00-0312	Limit Switches <small>(26 27 26)</small>		
26 27 26 00-0313	Heavy Duty Precision Oiltight <small>(26 27 26 00-0312)</small>		
26 27 26 00-0314	Lever Arm, Plunger, Wobble Stick Type <small>(26 27 26 00-0313)</small>		
26 27 26 00-0315	EA Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated	295.34	32.16

26 27 26 00-0316	In Line Midget Fuseholders <small>(26 27 26)</small>		
<small>See CSI section 26 28 13 00-0078 for fuses.</small>			
26 27 26 00-0317	EA Single Pole Water Resistant In Line Midget Fuseholder	43.09	
26 27 26 00-0318	EA Double Pole Water Resistant In Line Midget Fuseholder	109.42	

26 27 73	Door Chimes <small>(26 27)</small>		
26 27 73 00-0001	Door Chimes <small>(26 27 73)</small>		
26 27 73 00-0002	EA Door Bell, Push-button And Transformer - Complete	279.06	106.32
26 27 73 00-0003	EA Visual Flashing Doorbell Indicator, Wire To Existing System - Complete	113.38	25.52
26 27 73 00-0004	EA Replacement Bell/Buzzer - Complete	46.00	12.76
<small>Note: Includes removal of existing.</small>			

26 28 Low-Voltage Circuit Protective Devices (26 20)

26 28 13	Fuses <small>(26 28)</small>		
26 28 13 00-0001	125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses <small>(26 28 13)</small>		
26 28 13 00-0002	EA 1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	12.82	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0003	EA 2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	12.45	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0004	EA 3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	11.94	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0005	EA 5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	11.87	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0006	EA 6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	12.34	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0007	EA 8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	11.42	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0008	EA 10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	11.21	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0009	EA 15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	9.41	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0010	EA 20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	9.14	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0011	EA 25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	9.66	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0012	EA 30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	9.30	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	

26 28 13 00-0013	Class RK1, Time Delay Fuses <small>(26 28 13)</small>		
26 28 13 00-0014	250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small>		
26 28 13 00-0015	EA 1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	21.63	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0016	EA 2 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	20.01	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0017	EA 3 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	21.14	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0018	EA 4 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	20.99	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0019	EA 5 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	19.86	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0020	EA 10 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	19.19	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0021	EA 15 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	17.39	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0022	EA 20 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	17.26	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0023	EA 25 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	17.40	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0024	EA 30 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	17.22	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0025	EA 35 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	24.85	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	
26 28 13 00-0026	EA 40 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	24.31	3.67
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>			
		2.45	



MINOR		TOTAL DIRECT		DEMOLITION		
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT	COST
26 28 13 00-0027	EA	45 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		24.72		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0028	EA	50 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		24.39		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0029	EA	60 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		23.89		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0030		250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses ^{(26 28}				
		^{13 00-0013)}				
26 28 13 00-0031	EA	70 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		46.21		4.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.06		
26 28 13 00-0032	EA	80 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		45.94		4.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.06		
26 28 13 00-0033	EA	90 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		51.42		4.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.06		
26 28 13 00-0034	EA	100 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		45.51		4.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.06		
26 28 13 00-0035	EA	110 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		135.74		4.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.06		
26 28 13 00-0036	EA	125 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		98.38		4.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.06		
26 28 13 00-0037	EA	150 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		89.76		5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.37		
26 28 13 00-0038	EA	200 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		94.74		5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.37		
26 28 13 00-0039	EA	250 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		180.72		5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.37		
26 28 13 00-0040	EA	300 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		193.87		6.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.13		
26 28 13 00-0041	EA	350 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		208.76		6.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.13		
26 28 13 00-0042	EA	400 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		159.92		6.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.13		
26 28 13 00-0043	EA	450 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		361.42		6.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.13		
26 28 13 00-0044	EA	500 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		340.84		7.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.05		
26 28 13 00-0045	EA	600 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....		264.69		7.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.05		
26 28 13 00-0046		600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses ⁽²⁶				
		^{28 13 00-0013)}				
26 28 13 00-0047	EA	1 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		34.98		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0048	EA	2 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		32.40		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0049	EA	3 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		30.24		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0050	EA	4 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		30.95		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0051	EA	5 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		30.34		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0052	EA	10 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		30.56		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0053	EA	15 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		28.20		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0054	EA	20 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		27.96		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0055	EA	25 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		27.64		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0056	EA	30 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		28.11		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0057	EA	35 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		42.11		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0058	EA	40 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		42.22		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0059	EA	45 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		41.34		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0060	EA	50 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		41.76		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0061	EA	60 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....		42.13		3.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.45		
26 28 13 00-0062		600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses ^{(26 28}				
		^{13 00-0013)}				
26 28 13 00-0063	EA	70 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....		80.77		4.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.06		
26 28 13 00-0064	EA	80 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....		82.49		5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.37		
26 28 13 00-0065	EA	90 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....		82.02		5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.37		
26 28 13 00-0066	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....		82.39		5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.37		
26 28 13 00-0067	EA	110 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....		154.12		5.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.37		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0068	EA		125 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	156.51	5.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 28 13 00-0069	EA		150 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	153.61	6.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0070	EA		200 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	153.22	6.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0071	EA		250 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	296.19	6.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0072	EA		300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	297.03	7.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.05	
26 28 13 00-0073	EA		350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	335.65	7.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.05	
26 28 13 00-0074	EA		400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	303.60	7.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.05	
26 28 13 00-0075	EA		450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	549.65	7.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.05	
26 28 13 00-0076	EA		500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	487.90	9.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0077	EA		600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	424.70	9.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0078			600 Volt AC, Class CC Midget Fuses ^(26 28 13)		
			Note: 250/300 Volt DC.		
26 28 13 00-0079	EA		1 Amp, 600 Volt AC, Class CC Midget Fuse.....	25.32	3.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 28 13 00-0080	EA		2 Amp, 600 Volt AC, Class CC Midget Fuse.....	25.75	3.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 28 13 00-0081	EA		3 Amp, 600 Volt AC, Class CC Midget Fuse.....	25.63	3.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 28 13 00-0082	EA		5 Amp, 600 Volt AC, Class CC Midget Fuse.....	25.49	3.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 28 13 00-0083	EA		6 Amp, 600 Volt AC, Class CC Midget Fuse.....	27.52	3.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 28 13 00-0084	EA		8 Amp, 600 Volt AC, Class CC Midget Fuse.....	24.28	3.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 28 13 00-0085	EA		10 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.09	3.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 28 13 00-0086	EA		15 Amp, 600 Volt AC, Class CC Midget Fuse.....	25.50	3.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 28 13 00-0087	EA		20 Amp, 600 Volt AC, Class CC Midget Fuse.....	24.98	3.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 28 13 00-0088	EA		25 Amp, 600 Volt AC, Class CC Midget Fuse.....	23.76	3.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 28 13 00-0089	EA		30 Amp, 600 Volt AC, Class CC Midget Fuse.....	24.79	3.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 28 13 00-0090			200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse ^(26 13)		
26 28 13 00-0091	EA		1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	34.53	2.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.53	
26 28 13 00-0092	EA		3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	34.81	2.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.53	
26 28 13 00-0093	EA		6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	29.42	3.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.84	
26 28 13 00-0094	EA		10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	28.70	3.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 28 13 00-0095	EA		15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	29.37	3.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 28 13 00-0096	EA		20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	28.77	3.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 28 13 00-0097	EA		25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	36.48	5.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 28 13 00-0098	EA		30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	29.73	5.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 28 13 00-0099	EA		35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	54.92	5.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 28 13 00-0100	EA		40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	46.24	5.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 28 13 00-0101	EA		45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	53.60	5.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 28 13 00-0102	EA		50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	46.16	6.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 28 13 00-0103	EA		60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	45.23	6.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 28 13 00-0104	EA		70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	71.96	7.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 28 13 00-0105	EA		80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	77.11	7.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 28 13 00-0106	EA		90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	75.79	7.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 28 13 00-0107	EA		100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	64.68	8.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	
26 28 13 00-0108	EA		110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	160.75	8.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	
26 28 13 00-0109	EA		125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	135.58	8.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 13 00-0110	EA		150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	127.96	10.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0111	EA		175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	129.96	10.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0112	EA		200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	106.54	10.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0113	EA		225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	281.69	10.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0114	EA		250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	259.84	10.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0115	EA		300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	238.80	10.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0116	EA		350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	261.19	10.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0117	EA		400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	213.26	11.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0118	EA		450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	463.03	11.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0119	EA		500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	390.66	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 28 13 00-0120	EA		600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	288.05	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 28 13 00-0121			600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses ^(26 28 13)		
26 28 13 00-0122	EA		100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	898.05	6.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 28 13 00-0123	EA		150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	899.83	6.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 28 13 00-0124	EA		200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	901.49	6.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 28 13 00-0125	EA		250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	897.67	7.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 28 13 00-0126	EA		300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	826.31	7.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 28 13 00-0127	EA		350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	883.62	8.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	
26 28 13 00-0128	EA		400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	812.77	8.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	
26 28 13 00-0129	EA		450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	909.79	8.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	
26 28 13 00-0130	EA		500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	891.91	8.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.36	
26 28 13 00-0131	EA		600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	791.70	10.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0132	EA		601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	813.20	10.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0133	EA		650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,083.47	10.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0134	EA		700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	787.80	10.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.12	
26 28 13 00-0135	EA		750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,212.60	11.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0136	EA		800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	695.11	11.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0137	EA		900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,018.68	11.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0138	EA		1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	683.28	11.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0139	EA		1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	703.85	11.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0140	EA		1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,574.27	11.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0141	EA		1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,552.04	11.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0142	EA		1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,399.53	11.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.89	
26 28 13 00-0143	EA		1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	870.61	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 28 13 00-0144	EA		1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,854.76	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 28 13 00-0145	EA		2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,184.30	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 28 13 00-0146	EA		2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,604.02	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 28 13 00-0147	EA		2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,738.55	12.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 28 13 00-0148	EA		3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,788.26	14.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 28 13 00-0149	EA		3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,708.13	14.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 28 13 00-0150	EA		3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,304.22	14.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 28 13 00-0151	EA		4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,484.92	14.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 28 13 00-0152	EA		5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,927.00	14.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0153 EA 6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,506.89 8.42	14.03
26 28 16 Enclosed Switches And Circuit Breakers (26 28)		
26 28 16 00-0001 Motor And Circuit Disconnects (26 28 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 00-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0001)		
26 28 16 00-0003 Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0002) Note: Includes fuses and neutral bar.		
26 28 16 00-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0005 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	244.30	51.04
26 28 16 00-0006 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	407.47	61.50
26 28 16 00-0007 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	575.91	71.96
26 28 16 00-0008 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,005.05	113.30
26 28 16 00-0009 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,219.17	176.08
26 28 16 00-0010 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,748.16	260.30
26 28 16 00-0011 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,174.56	306.23
26 28 16 00-0012 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,015.02	357.27
26 28 16 00-0013 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0014 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	398.13	56.71
26 28 16 00-0015 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	480.51	68.34
26 28 16 00-0016 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	800.30	79.87
26 28 16 00-0017 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,173.20	126.07
26 28 16 00-0018 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,659.68	195.58
26 28 16 00-0019 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,166.23	289.08
26 28 16 00-0020 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,270.67	340.07
26 28 16 00-0021 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,651.95	396.97
26 28 16 00-0022 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0023 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	337.94	80.13
26 28 16 00-0024 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	512.95	106.42
26 28 16 00-0025 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	722.06	118.15
26 28 16 00-0026 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,144.67	185.01
26 28 16 00-0027 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,478.43	303.67
26 28 16 00-0028 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,117.47	425.41
26 28 16 00-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0030 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	461.92	88.55
26 28 16 00-0031 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	580.18	118.15
26 28 16 00-0032 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	906.44	132.95
26 28 16 00-0033 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,326.09	202.63
26 28 16 00-0034 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,108.72	327.16
26 28 16 00-0035 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,070.08	472.62
26 28 16 00-0036 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,306.24	561.42

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 28 16 00-0037	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,717.85	637.98
26 28 16 00-0038		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>		
26 28 16 00-0039	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	324.29	80.13
26 28 16 00-0040	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	495.30	106.42
26 28 16 00-0041	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	689.95	118.15
26 28 16 00-0042	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,188.84	185.01
26 28 16 00-0043	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,727.33	303.67
26 28 16 00-0044	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,491.93	425.41
26 28 16 00-0045	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,645.50	535.90
26 28 16 00-0046	EA	1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,486.16	612.46
26 28 16 00-0047		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>		
26 28 16 00-0048	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	512.04	88.55
26 28 16 00-0049	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	641.77	118.15
26 28 16 00-0050	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	996.49	132.95
26 28 16 00-0051	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,460.91	202.63
26 28 16 00-0052	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,396.34	327.16
26 28 16 00-0053	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,578.06	472.62
26 28 16 00-0054	EA	800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,149.61	561.42
26 28 16 00-0055	EA	1,200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,628.87	637.98
26 28 16 00-0056		Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0002)</small>		
26 28 16 00-0057		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0058	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	235.66	73.85
26 28 16 00-0059	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	376.37	102.74
26 28 16 00-0060	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	538.89	118.15
26 28 16 00-0061	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	841.06	189.05
26 28 16 00-0062	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,754.23	315.05
26 28 16 00-0063	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,942.10	429.64
26 28 16 00-0064	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,290.30	510.38
26 28 16 00-0065	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,732.69	595.66
26 28 16 00-0066		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0067	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	260.37	81.51
26 28 16 00-0068	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	427.25	115.30
26 28 16 00-0069	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	611.05	131.27
26 28 16 00-0070	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	947.18	205.48
26 28 16 00-0071	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,887.89	337.57
26 28 16 00-0072	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,254.82	472.57
26 28 16 00-0073	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,805.85	510.38
26 28 16 00-0074	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,438.70	595.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0076 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	266.49	66.35
26 28 16 00-0077 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	419.26	92.38
26 28 16 00-0078 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	588.22	106.42
26 28 16 00-0079 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	920.39	170.21
26 28 16 00-0080 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,912.84	283.52
26 28 16 00-0081 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,170.16	386.61
26 28 16 00-0082 EA 800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,708.50	459.35
26 28 16 00-0083 EA 1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,515.48	535.90
26 28 16 00-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0085 EA 30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	289.73	73.24
26 28 16 00-0086 EA 60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	458.54	103.87
26 28 16 00-0087 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	638.67	118.15
26 28 16 00-0088 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	991.41	185.01
26 28 16 00-0089 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,049.46	303.67
26 28 16 00-0090 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,418.69	425.41
26 28 16 00-0091 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,049.96	459.35
26 28 16 00-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0093 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	315.16	73.35
26 28 16 00-0094 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	501.91	103.76
26 28 16 00-0095 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	709.20	118.15
26 28 16 00-0096 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,100.05	184.91
26 28 16 00-0097 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,201.43	303.78
26 28 16 00-0098 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,868.44	425.31
26 28 16 00-0099 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,563.01	459.35
26 28 16 00-0100 EA 1,200 Amp, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,665.80	535.90
26 28 16 00-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0102 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	510.76	66.45
26 28 16 00-0103 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	602.46	92.49
26 28 16 00-0104 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	966.06	106.32
26 28 16 00-0105 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,437.16	170.11
26 28 16 00-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0107 EA 30 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	551.51	73.24
26 28 16 00-0108 EA 60 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	654.85	103.87
26 28 16 00-0109 EA 100 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,043.52	118.15
26 28 16 00-0110 EA 200 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,545.10	185.01
26 28 16 00-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0112 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	622.29	73.35
26 28 16 00-0113 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	732.92	103.76
26 28 16 00-0114 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,183.92	118.15
26 28 16 00-0115 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,749.63	184.91
26 28 16 00-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small> <small>00-0002</small> Note: Includes fuses and neutral bar.		
26 28 16 00-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0118 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	158.79	44.40
26 28 16 00-0119 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	224.88	53.43
26 28 16 00-0120 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	369.55	62.47
26 28 16 00-0121 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	704.54	98.56
26 28 16 00-0122 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,773.36	152.86
26 28 16 00-0123 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,387.81	226.25
26 28 16 00-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0125 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	209.31	69.77
26 28 16 00-0126 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	302.69	92.49
26 28 16 00-0127 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	450.09	102.74
26 28 16 00-0128 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	829.88	160.82
26 28 16 00-0129 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,997.83	264.17
26 28 16 00-0130 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,678.64	369.82
26 28 16 00-0131 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0132 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	242.34	69.77
26 28 16 00-0133 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	355.94	92.49
26 28 16 00-0134 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	498.54	102.74
26 28 16 00-0135 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	951.95	160.82
26 28 16 00-0136 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,206.48	264.17
26 28 16 00-0137 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,810.91	369.82
26 28 16 00-0138 General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0002)</small>		
26 28 16 00-0139 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0138)</small>		
26 28 16 00-0140 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	215.64	61.75
26 28 16 00-0141 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	300.40	71.00
26 28 16 00-0142 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	734.66	113.46
26 28 16 00-0143 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,640.85	188.85
26 28 16 00-0144 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,923.88	257.34
26 28 16 00-0145 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0138)</small>		
26 28 16 00-0146 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	204.37	57.78
26 28 16 00-0147 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	278.57	80.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0148 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	459.43	92.49
26 28 16 00-0149 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	804.15	147.96
26 28 16 00-0150 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,757.05	246.62
26 28 16 00-0151 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,083.02	336.14
26 28 16 00-0152 NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0153 Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small> Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0154 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0153)</small>		
26 28 16 00-0155 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	376.72	59.97
26 28 16 00-0156 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	627.32	71.96
26 28 16 00-0157 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	791.52	83.70
26 28 16 00-0158 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,152.52	127.59
26 28 16 00-0159 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,639.75	204.15
26 28 16 00-0160 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,728.77	272.29
26 28 16 00-0161 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,211.87	306.23
26 28 16 00-0162 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,614.64	357.27
26 28 16 00-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0153)</small>		
26 28 16 00-0164 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	676.17	79.93
26 28 16 00-0165 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	801.84	98.00
26 28 16 00-0166 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,169.89	112.54
26 28 16 00-0167 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,636.04	168.78
26 28 16 00-0168 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,669.27	276.16
26 28 16 00-0169 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,901.01	379.78
26 28 16 00-0170 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,291.03	437.30
26 28 16 00-0171 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,323.95	492.27
26 28 16 00-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0153)</small>		
26 28 16 00-0173 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	459.01	94.42
26 28 16 00-0174 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	758.43	125.04
26 28 16 00-0175 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	930.33	137.29
26 28 16 00-0176 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,368.43	212.57
26 28 16 00-0177 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,085.55	354.46
26 28 16 00-0178 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,289.00	472.62
26 28 16 00-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0153)</small>		
26 28 16 00-0180 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	741.73	111.93
26 28 16 00-0181 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	880.62	137.19
26 28 16 00-0182 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,210.31	157.50
26 28 16 00-0183 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,749.25	236.31

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0184 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,816.42	386.67
26 28 16 00-0185 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,093.30	531.66
26 28 16 00-0186 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,209.15	612.46
26 28 16 00-0187 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,273.41	689.01
26 28 16 00-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0153)		
26 28 16 00-0189 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	515.02	94.42
26 28 16 00-0190 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	760.05	125.04
26 28 16 00-0191 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,009.07	137.29
26 28 16 00-0192 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,420.95	212.57
26 28 16 00-0193 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,133.73	354.46
26 28 16 00-0194 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,818.94	472.62
26 28 16 00-0195 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,015.39	535.90
26 28 16 00-0196 EA 1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,550.82	612.46
26 28 16 00-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0153)		
26 28 16 00-0198 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	773.87	112.03
26 28 16 00-0199 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	916.74	137.29
26 28 16 00-0200 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,290.60	157.45
26 28 16 00-0201 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,801.44	236.31
26 28 16 00-0202 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,005.11	386.61
26 28 16 00-0203 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,310.09	531.56
26 28 16 00-0204 EA 800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,891.80	612.46
26 28 16 00-0205 EA 1,200 Amp, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,173.23	689.01
26 28 16 00-0206 Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0152)		
26 28 16 00-0207 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0206)		
26 28 16 00-0208 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	362.97	52.52
26 28 16 00-0209 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	608.38	72.73
26 28 16 00-0210 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	814.62	83.39
26 28 16 00-0211 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,054.81	135.05
26 28 16 00-0212 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,439.37	225.28
26 28 16 00-0213 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,581.74	300.36
26 28 16 00-0214 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,523.20	357.42
26 28 16 00-0215 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,008.15	408.46
26 28 16 00-0216 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0206)		
26 28 16 00-0217 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	410.17	57.88
26 28 16 00-0218 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	691.11	80.99
26 28 16 00-0219 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	923.09	91.46
26 28 16 00-0220 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,180.45	141.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0221 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,791.85	236.31
26 28 16 00-0222 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,957.90	315.05
26 28 16 00-0223 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,031.46	374.42
26 28 16 00-0224 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,681.81	425.31
26 28 16 00-0225 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0226 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	415.47	78.76
26 28 16 00-0227 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	681.08	109.07
26 28 16 00-0228 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	898.01	125.09
26 28 16 00-0229 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,189.83	202.57
26 28 16 00-0230 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,704.98	337.88
26 28 16 00-0231 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,961.08	450.42
26 28 16 00-0232 EA 800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,968.84	535.90
26 28 16 00-0233 EA 1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,667.36	612.46
26 28 16 00-0234 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0235 EA 30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	449.98	86.77
26 28 16 00-0236 EA 60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	739.08	121.52
26 28 16 00-0237 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	968.49	137.19
26 28 16 00-0238 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,266.15	212.67
26 28 16 00-0239 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,882.96	354.41
26 28 16 00-0240 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,295.14	472.57
26 28 16 00-0241 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,512.42	561.42
26 28 16 00-0242 EA 1,200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,392.02	637.98
26 28 16 00-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0244 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	194.50	86.77
26 28 16 00-0245 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	772.12	121.52
26 28 16 00-0246 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,014.56	137.19
26 28 16 00-0247 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,322.22	212.67
26 28 16 00-0248 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,028.14	354.41
26 28 16 00-0249 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,272.95	472.57
26 28 16 00-0250 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,499.99	561.42
26 28 16 00-0251 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,375.11	637.98
26 28 16 00-0252 General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0253 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0254 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	211.76	52.16
26 28 16 00-0255 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	312.13	62.58
26 28 16 00-0256 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	421.90	72.78
26 28 16 00-0257 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	911.56	110.95

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0258 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,342.84	177.52
26 28 16 00-0259 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,247.03	236.82
26 28 16 00-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0252)		
26 28 16 00-0261 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	272.24	82.22
26 28 16 00-0262 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	404.89	108.77
26 28 16 00-0263 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	514.81	119.32
26 28 16 00-0264 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,060.18	184.91
26 28 16 00-0265 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,605.89	308.17
26 28 16 00-0266 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,601.08	411.06
26 28 16 00-0267 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0252)		
26 28 16 00-0268 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	318.56	82.17
26 28 16 00-0269 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	451.21	108.77
26 28 16 00-0270 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	664.19	119.32
26 28 16 00-0271 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,156.71	184.91
26 28 16 00-0272 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,667.90	308.22
26 28 16 00-0273 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,085.70	411.06
26 28 16 00-0274 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,414.69	465.67
26 28 16 00-0275 General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0152)		
26 28 16 00-0276 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0275)		
26 28 16 00-0277 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	192.79	45.68
26 28 16 00-0278 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	329.40	63.24
26 28 16 00-0279 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	338.92	72.52
26 28 16 00-0280 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	924.86	117.39
26 28 16 00-0281 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,380.33	195.88
26 28 16 00-0282 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,297.91	261.16
26 28 16 00-0283 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0275)		
26 28 16 00-0284 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	305.41	68.49
26 28 16 00-0285 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	444.16	94.82
26 28 16 00-0286 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	686.69	108.77
26 28 16 00-0287 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,193.20	176.13
26 28 16 00-0288 NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0001)		
26 28 16 00-0289 Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0288) Note: With fuses and neutral bar (stainless steel).		
26 28 16 00-0290 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0289)		
26 28 16 00-0291 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,131.18	51.04
26 28 16 00-0292 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,358.62	61.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0293 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,836.55	71.86
26 28 16 00-0294 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,906.35	113.40
26 28 16 00-0295 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,007.58	175.98
26 28 16 00-0296 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,501.56	260.20
26 28 16 00-0297 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0298 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,445.25	56.71
26 28 16 00-0299 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,600.84	68.29
26 28 16 00-0300 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,064.30	79.82
26 28 16 00-0301 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,314.73	126.07
26 28 16 00-0302 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,300.29	195.68
26 28 16 00-0303 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,891.19	289.08
26 28 16 00-0304 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0305 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,243.43	80.23
26 28 16 00-0306 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,551.55	106.32
26 28 16 00-0307 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,062.34	118.15
26 28 16 00-0308 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,332.67	184.91
26 28 16 00-0309 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,516.49	303.78
26 28 16 00-0310 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,163.69	425.31
26 28 16 00-0311 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0312 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,513.19	88.60
26 28 16 00-0313 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,705.07	118.15
26 28 16 00-0314 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,179.49	132.90
26 28 16 00-0315 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,480.29	202.52
26 28 16 00-0316 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,779.12	327.16
26 28 16 00-0317 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,483.81	472.57
26 28 16 00-0318 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0319 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,505.29	80.23
26 28 16 00-0320 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,878.90	106.32
26 28 16 00-0321 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,717.38	118.15
26 28 16 00-0322 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,228.40	184.91
26 28 16 00-0323 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,279.40	303.78
26 28 16 00-0324 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,586.34	425.31
26 28 16 00-0325 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0326 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,822.61	88.60
26 28 16 00-0327 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,055.95	118.15
26 28 16 00-0328 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,848.11	132.90
26 28 16 00-0329 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,383.50	202.52

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0330 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,565.81	327.16
26 28 16 00-0331 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,939.50	472.57
26 28 16 00-0332 Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0288)		
26 28 16 00-0333 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0332)		
26 28 16 00-0334 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,082.86	51.04
26 28 16 00-0335 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,307.38	71.00
26 28 16 00-0336 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,523.38	81.66
26 28 16 00-0337 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,480.51	130.45
26 28 16 00-0338 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,360.81	217.22
26 28 16 00-0339 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,128.46	295.92
26 28 16 00-0340 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0332)		
26 28 16 00-0341 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,233.53	56.29
26 28 16 00-0342 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,491.03	79.62
26 28 16 00-0343 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,878.68	90.75
26 28 16 00-0344 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,963.13	141.79
26 28 16 00-0345 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,239.70	233.35
26 28 16 00-0346 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,409.49	326.65
26 28 16 00-0347 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0332)		
26 28 16 00-0348 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,113.69	66.45
26 28 16 00-0349 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,331.74	92.49
26 28 16 00-0350 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,378.01	106.32
26 28 16 00-0351 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,700.31	170.11
26 28 16 00-0352 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,786.67	283.57
26 28 16 00-0353 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,591.05	386.67
26 28 16 00-0354 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0332)		
26 28 16 00-0355 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,267.55	73.35
26 28 16 00-0356 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,539.30	103.76
26 28 16 00-0357 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,933.49	118.15
26 28 16 00-0358 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,049.36	184.91
26 28 16 00-0359 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,163.46	303.78
26 28 16 00-0360 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,928.06	425.31
26 28 16 00-0361 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0332)		
26 28 16 00-0362 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,561.36	66.45
26 28 16 00-0363 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,856.83	92.49
26 28 16 00-0364 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,300.67	106.32



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0365 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,551.12	170.11
26 28 16 00-0366 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0367 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,779.18	73.35
26 28 16 00-0368 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,118.22	103.76
26 28 16 00-0369 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,908.30	118.15
26 28 16 00-0370 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,467.97	184.91
26 28 16 00-0371 Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0372 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0371)</small>		
26 28 16 00-0373 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,065.07	88.55
26 28 16 00-0374 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,333.33	118.15
26 28 16 00-0375 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,289.56	132.95
26 28 16 00-0376 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,547.91	202.63
26 28 16 00-0377 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0371)</small>		
26 28 16 00-0378 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,945.38	73.24
26 28 16 00-0379 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,206.54	103.87
26 28 16 00-0380 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,064.09	118.15
26 28 16 00-0381 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,495.04	185.01
26 28 16 00-0382 Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0383 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0382)</small>		
26 28 16 00-0384 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,376.63	88.55
26 28 16 00-0385 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,681.95	118.15
26 28 16 00-0386 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,948.86	132.95
26 28 16 00-0387 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0382)</small>		
26 28 16 00-0388 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,240.16	73.24
26 28 16 00-0389 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,536.63	103.87
26 28 16 00-0390 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,696.90	118.15
26 28 16 00-0391 NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 00-0392 Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
Note: With fuses and neutral bar.		
26 28 16 00-0393 EA 30 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,841.19	102.08
26 28 16 00-0394 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,880.08	121.52
26 28 16 00-0395 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,294.37	137.19
26 28 16 00-0396 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	4,963.08	212.67
26 28 16 00-0397 Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
26 28 16 00-0398 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,379.30	121.52
26 28 16 00-0399 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,620.20	137.19
26 28 16 00-0400 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	3,026.17	212.67

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 28 16 00-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0402		Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0401)</small>		
		Note: With fuses and neutral bar.		
26 28 16 00-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0404	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	373.87	51.04
26 28 16 00-0405	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	494.44	61.50
26 28 16 00-0406	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	689.15	71.96
26 28 16 00-0407	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,171.76	113.30
26 28 16 00-0408	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,580.12	176.08
26 28 16 00-0409	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,727.73	260.30
26 28 16 00-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0411	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	615.26	56.66
26 28 16 00-0412	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	622.54	68.39
26 28 16 00-0413	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	919.04	79.87
26 28 16 00-0414	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,436.49	126.07
26 28 16 00-0415	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,229.76	195.48
26 28 16 00-0416	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,507.62	289.13
26 28 16 00-0417		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0418	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	508.38	80.13
26 28 16 00-0419	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	710.05	106.42
26 28 16 00-0420	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,001.84	118.15
26 28 16 00-0421	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,477.84	185.01
26 28 16 00-0422	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,972.23	303.67
26 28 16 00-0423	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,846.86	425.41
26 28 16 00-0424		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0425	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	699.12	88.55
26 28 16 00-0426	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	770.24	118.15
26 28 16 00-0427	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,185.18	132.95
26 28 16 00-0428	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,713.84	202.63
26 28 16 00-0429	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,709.49	327.16
26 28 16 00-0430	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,151.81	472.62
26 28 16 00-0431		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0432	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	549.92	80.13
26 28 16 00-0433	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	738.59	106.42
26 28 16 00-0434	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,091.41	118.15
26 28 16 00-0435	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,590.30	185.01
26 28 16 00-0436	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,273.34	303.67
26 28 16 00-0437	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,050.28	425.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0438			600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0439	EA		30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	747.29	88.55
26 28 16 00-0440	EA		60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	898.71	118.15
26 28 16 00-0441	EA		100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,273.51	132.95
26 28 16 00-0442	EA		200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,882.45	202.63
26 28 16 00-0443	EA		400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,982.48	327.16
26 28 16 00-0444	EA		600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,376.62	472.62
26 28 16 00-0445			Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0401)</small>		
26 28 16 00-0446			240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0447	EA		30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	394.09	73.75
26 28 16 00-0448	EA		60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	518.54	102.84
26 28 16 00-0449	EA		100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	702.82	118.15
26 28 16 00-0450	EA		200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	985.29	189.10
26 28 16 00-0451	EA		400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,252.12	315.17
26 28 16 00-0452	EA		600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,625.06	429.74
26 28 16 00-0453			600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0454	EA		30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	439.96	81.41
26 28 16 00-0455	EA		60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	575.50	115.35
26 28 16 00-0456	EA		100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	783.69	131.17
26 28 16 00-0457	EA		200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,070.48	205.43
26 28 16 00-0458	EA		400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,380.57	337.62
26 28 16 00-0459	EA		600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,005.56	472.62
26 28 16 00-0460			240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0461	EA		30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	506.63	66.35
26 28 16 00-0462	EA		60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	660.24	92.38
26 28 16 00-0463	EA		100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	900.24	106.42
26 28 16 00-0464	EA		200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,261.87	170.21
26 28 16 00-0465	EA		400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,752.28	283.52
26 28 16 00-0466	EA		600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,419.83	386.61
26 28 16 00-0467			600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0468	EA		30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	485.50	73.24
26 28 16 00-0469	EA		60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	709.31	103.87
26 28 16 00-0470	EA		100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	958.93	118.15
26 28 16 00-0471	EA		200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,224.96	185.01
26 28 16 00-0472	EA		400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,739.39	303.67
26 28 16 00-0473	EA		600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,306.92	425.41
26 28 16 00-0474			240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0475 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	625.48	66.35
26 28 16 00-0476 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	727.82	92.38
26 28 16 00-0477 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,177.12	106.42
26 28 16 00-0478 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,864.71	170.21
26 28 16 00-0479 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,487.24	216.91
26 28 16 00-0480 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0481 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	644.48	73.24
26 28 16 00-0482 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	789.60	103.87
26 28 16 00-0483 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,252.00	118.15
26 28 16 00-0484 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,903.43	185.01
26 28 16 00-0485 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,640.82	285.82
26 28 16 00-0486 Double Throw Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0487 NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0486)</small>		
26 28 16 00-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0489 EA 30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	467.40	65.59
26 28 16 00-0490 EA 60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	704.11	85.74
26 28 16 00-0491 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	997.63	112.03
26 28 16 00-0492 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,334.84	145.71
26 28 16 00-0493 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,425.81	182.20
26 28 16 00-0494 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,280.50	292.19
26 28 16 00-0495 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0496 EA 30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	578.79	91.87
26 28 16 00-0497 EA 60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	817.98	119.94
26 28 16 00-0498 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,260.24	156.94
26 28 16 00-0499 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,882.56	204.15
26 28 16 00-0500 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,715.86	255.19
26 28 16 00-0501 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,516.43	408.30
26 28 16 00-0502 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0503 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	777.83	114.84
26 28 16 00-0504 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,152.45	150.06
26 28 16 00-0505 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,130.42	195.98
26 28 16 00-0506 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,934.83	254.69
26 28 16 00-0507 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,150.78	318.99
26 28 16 00-0508 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,651.34	511.15
26 28 16 00-0509 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0510 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	829.28	85.74
26 28 16 00-0511 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,267.65	112.03
26 28 16 00-0512 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,892.08	145.71
26 28 16 00-0513 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,657.88	182.20
26 28 16 00-0514 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,856.77	292.19
26 28 16 00-0515 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0516 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	897.58	119.94
26 28 16 00-0517 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,357.16	156.94
26 28 16 00-0518 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,008.48	204.15
26 28 16 00-0519 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,803.75	255.19
26 28 16 00-0520 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,089.92	408.30
26 28 16 00-0521 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0522 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,230.64	150.06
26 28 16 00-0523 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,244.10	195.98
26 28 16 00-0524 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,168.48	254.69



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0525	EA		400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,649.95	318.99
26 28 16 00-0526	EA		600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,211.41	511.15
26 28 16 00-0527			NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0486)		
26 28 16 00-0528			240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0527)		
26 28 16 00-0529	EA		100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,281.49	112.03
26 28 16 00-0530	EA		200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,077.16	145.71
26 28 16 00-0531	EA		400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,444.50	182.20
26 28 16 00-0532	EA		600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	18,015.83	292.19
26 28 16 00-0533			240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0527)		
26 28 16 00-0534	EA		100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,667.30	156.69
26 28 16 00-0535	EA		200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,753.01	203.90
26 28 16 00-0536	EA		400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,685.35	255.19
26 28 16 00-0537	EA		600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,448.93	409.08
26 28 16 00-0538			240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0527)		
26 28 16 00-0539	EA		30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,651.86	114.89
26 28 16 00-0540	EA		60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,038.98	149.95
26 28 16 00-0541	EA		100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,877.56	195.93
26 28 16 00-0542	EA		200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,195.82	254.79
26 28 16 00-0543	EA		400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,266.37	318.99
26 28 16 00-0544	EA		600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,304.88	511.20
26 28 16 00-0545			600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0527)		
26 28 16 00-0546	EA		60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,098.40	85.74
26 28 16 00-0547	EA		100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,694.76	112.03
26 28 16 00-0548	EA		200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,157.31	145.71
26 28 16 00-0549	EA		400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,196.81	182.20
26 28 16 00-0550	EA		600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,220.32	292.19
26 28 16 00-0551			600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0527)		
26 28 16 00-0552	EA		60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,215.84	119.94
26 28 16 00-0553	EA		100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,861.84	156.69
26 28 16 00-0554	EA		200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,424.51	203.90
26 28 16 00-0555	EA		400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,649.67	255.19
26 28 16 00-0556	EA		600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,854.88	409.08
26 28 16 00-0557			600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0527)		
26 28 16 00-0558	EA		60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,057.13	149.95
26 28 16 00-0559	EA		100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,885.88	195.93
26 28 16 00-0560	EA		200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,311.42	254.79
26 28 16 00-0561	EA		400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,252.73	318.99
26 28 16 00-0562	EA		600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,380.11	511.20
26 28 16 00-0563			NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0486)		
26 28 16 00-0564			240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0563)		
26 28 16 00-0565	EA		30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,354.67	65.64
26 28 16 00-0566	EA		60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,520.46	85.69
26 28 16 00-0567	EA		100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,701.78	111.98
26 28 16 00-0568	EA		200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,349.69	145.61
26 28 16 00-0569	EA		400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,501.88	182.26
26 28 16 00-0570	EA		600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,570.60	292.09
26 28 16 00-0571			240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0563)		
26 28 16 00-0572	EA		30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,536.23	91.87
26 28 16 00-0573	EA		60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,803.19	119.94
26 28 16 00-0574	EA		100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,121.94	156.69
26 28 16 00-0575	EA		200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,976.75	203.90
26 28 16 00-0576	EA		400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,570.05	255.19
26 28 16 00-0577	EA		600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,271.20	409.08

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 00-0578	240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0579	EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,323.25	114.89
26 28 16 00-0580	EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,698.96	149.95
26 28 16 00-0581	EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,712.33	195.93
26 28 16 00-0582	EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,056.22	254.79
26 28 16 00-0583	EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,550.52	318.99
26 28 16 00-0584	EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,724.77	511.20
26 28 16 00-0585	600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0586	EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,039.86	85.69
26 28 16 00-0587	EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,117.85	111.98
26 28 16 00-0588	EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,097.95	145.61
26 28 16 00-0589	EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,948.29	182.26
26 28 16 00-0590	EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,927.51	292.09
26 28 16 00-0591	600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0592	EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,206.72	119.94
26 28 16 00-0593	EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,307.13	156.69
26 28 16 00-0594	EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,414.52	203.90
26 28 16 00-0595	EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,387.83	255.19
26 28 16 00-0596	EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,546.34	409.08
26 28 16 00-0597	600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0598	EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,728.55	149.95
26 28 16 00-0599	EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,930.60	195.93
26 28 16 00-0600	EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,184.88	254.79
26 28 16 00-0601	EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,827.44	318.99
26 28 16 00-0602	EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,091.83	511.20
26 28 16 00-0603	Removal And Reinstallation Of Disconnect Switches <small>(26 28 16 00-0001)</small>		
	Note: Includes storage and cleaning.		
26 28 16 00-0604	EA Removal And Reinstallation Of Up To 100 Amp Safety Disconnect Switch	255.19	
26 28 16 00-0605	EA Removal And Reinstallation Of >100 To 200 Amp Safety Disconnect Switch	331.77	
26 28 16 00-0606	EA Removal And Reinstallation Of >200 To 300 Amp Safety Disconnect Switch	370.05	
26 28 16 00-0607	EA Removal And Reinstallation Of >300 To 400 Amp Safety Disconnect Switch	433.85	
26 28 16 00-0608	Bolted Contact Switches <small>(26 28 16)</small>		
	Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 00-0609	Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0608)</small>		
26 28 16 00-0610	Top Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0609)</small>		
26 28 16 00-0611	EA 800 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	5,219.59	510.38
26 28 16 00-0612	EA 1,200 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	5,603.88	612.46
26 28 16 00-0613	EA 1,600 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	6,060.93	714.54
26 28 16 00-0614	EA 2,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	6,351.70	816.61
26 28 16 00-0615	EA 2,500 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	7,175.97	918.69
26 28 16 00-0616	EA 3,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	9,101.92	1,020.77
26 28 16 00-0617	EA 4,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	12,385.64	1,224.92
26 28 16 00-0618	Bottom Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0609)</small>		
26 28 16 00-0619	EA 800 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	5,555.63	510.38
26 28 16 00-0620	EA 1,200 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	6,005.75	612.46
26 28 16 00-0621	EA 1,600 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	6,459.34	714.54
26 28 16 00-0622	EA 2,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	6,923.32	816.61
26 28 16 00-0623	EA 2,500 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	7,792.63	918.69
26 28 16 00-0624	EA 3,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	10,259.02	1,020.77
26 28 16 00-0625	EA 4,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	13,591.24	1,224.92
26 28 16 00-0626	Manually Operated, Bolted Contact Switches <small>(26 28 16 00-0608)</small>		
26 28 16 00-0627	Top Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 00-0626)</small>		
26 28 16 00-0628	EA 800 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	3,709.12	510.38
26 28 16 00-0629	EA 1,200 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	4,111.43	612.46
26 28 16 00-0630	EA 1,600 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	4,542.15	714.54
26 28 16 00-0631	EA 2,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	4,968.73	816.61
26 28 16 00-0632	EA 2,500 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	5,429.93	918.69
26 28 16 00-0633	EA 3,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	7,355.87	1,020.77
26 28 16 00-0634	EA 4,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	10,598.03	1,224.92



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0635			Bottom Feed, Manually Operated, Bolted Contact Switches (26 28 16 00-0626)		
26 28 16 00-0636	EA		800 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	3,931.53	510.38
26 28 16 00-0637	EA		1,200 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	4,447.48	612.46
26 28 16 00-0638	EA		1,600 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	4,867.80	714.54
26 28 16 00-0639	EA		2,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	5,399.00	816.61
26 28 16 00-0640	EA		2,500 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	5,970.37	918.69
26 28 16 00-0641	EA		3,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	8,426.36	1,020.77
26 28 16 00-0642	EA		4,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	11,720.48	1,224.92
26 29 Low-Voltage Controllers (26 20)					
26 29 13 Enclosed Controllers (26 29)					
26 29 13 13 Across-The-Line Motor Controllers (26 29 13)					
26 29 13 13-0001 Manual Motor Starters (26 29 13 13)					
26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)					
26 29 13 13-0003	EA		NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	137.34	25.59
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.40	
			<i>For Oversized Enclosure, Add</i>	24.04	
			<i>For Pilot Light, Add</i>	35.26	
26 29 13 13-0004	EA		NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	180.35	33.26
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.40	
			<i>For Oversized Enclosure, Add</i>	24.04	
			<i>For Pilot Light, Add</i>	35.26	
26 29 13 13-0005	EA		NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	161.38	25.59
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.40	
			<i>For Oversized Enclosure, Add</i>	24.04	
			<i>For Pilot Light, Add</i>	35.26	
26 29 13 13-0006	EA		NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	204.40	33.26
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.40	
			<i>For Oversized Enclosure, Add</i>	24.04	
			<i>For Pilot Light, Add</i>	35.26	
26 29 13 13-0007	EA		NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	147.75	25.59
			<i>For Oversized Enclosure, Add</i>	24.04	
26 29 13 13-0008	EA		NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	193.98	33.26
			<i>For Oversized Enclosure, Add</i>	24.04	
26 29 13 13-0009	EA		NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	335.12	30.70
			<i>For Pilot Light, Add</i>	92.17	
26 29 13 13-0010	EA		NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	380.53	38.38
			<i>For Pilot Light, Add</i>	92.17	
26 29 13 13-0011	EA		NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	359.17	30.70
26 29 13 13-0012	EA		NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	402.17	38.38
26 29 13 13-0013 Non Reversing Manual Motor Starters (26 29 13 13-0001)					
26 29 13 13-0014	EA		NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	102.21	25.59
			<i>Note: NEMA 1 or flush cover plate installation.</i>		
			<i>For Oversize Enclosure, Add</i>	11.60	
			<i>For Pilot Light, Add</i>	55.68	
26 29 13 13-0015	EA		NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	181.76	33.26
			<i>Note: NEMA 1 or flush cover plate installation.</i>		
			<i>For Oversize Enclosure, Add</i>	11.60	
			<i>For Pilot Light, Add</i>	55.68	
26 29 13 13-0016	EA		NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	116.61	28.15
			<i>Note: NEMA 1 or flush cover plate installation.</i>		
			<i>For Oversize Enclosure, Add</i>	11.60	
			<i>For Pilot Light, Add</i>	55.68	
26 29 13 13-0017	EA		NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	196.92	35.83
			<i>Note: NEMA 1 or flush cover plate installation.</i>		
			<i>For Oversize Enclosure, Add</i>	11.60	
			<i>For Pilot Light, Add</i>	55.68	
26 29 13 13-0018	EA		NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	124.64	25.59
			<i>Note: NEMA 1 or flush cover plate installation.</i>		
			<i>For Oversize Enclosure, Add</i>	11.60	
			<i>For Pilot Light, Add</i>	55.68	
26 29 13 13-0019	EA		NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	204.96	33.26
			<i>Note: NEMA 1 or flush cover plate installation.</i>		
			<i>For Oversize Enclosure, Add</i>	11.60	
			<i>For Pilot Light, Add</i>	55.68	



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 29 13 13-0020	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	304.24	30.70
		<i>For Pilot Light, Add</i>	88.16	
26 29 13 13-0021	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	375.28	38.38
		<i>For Pilot Light, Add</i>	88.16	
26 29 13 13-0022	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	319.42	33.26
		<i>For Pilot Light, Add</i>	88.16	
26 29 13 13-0023	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	388.13	40.94
		<i>For Pilot Light, Add</i>	88.16	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	325.90	30.70
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	403.12	38.38
26 29 13 13-0026	EA	Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	76.04	17.91
		<i>For Pilot Light, Add</i>	55.68	
26 29 13 13-0027	EA	Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	155.57	25.59
		<i>For Pilot Light, Add</i>	55.68	
26 29 13 13-0028	EA	Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	90.43	20.47
		<i>For Pilot Light, Add</i>	55.68	
26 29 13 13-0029	EA	Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	169.97	28.15
		<i>For Pilot Light, Add</i>	55.68	
26 29 13 13-0030		Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	314.07	46.06
		<i>For Pilot Light, Add</i>	89.71	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	463.87	61.41
		<i>For Pilot Light, Add</i>	89.71	
26 29 13 13-0033		Two Speed Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	314.07	46.06
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	463.87	61.41
26 29 13 13-0036		Non-Reversing Integral HP Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	307.48	30.70
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	307.48	30.70
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	683.18	35.83
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	683.18	35.83
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	910.80	35.83
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	397.05	35.83
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	268.08	23.03
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	370.30	33.26
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	370.30	33.26
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	825.35	38.38
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	825.35	38.38
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,070.61	38.38
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	459.88	38.38
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	330.90	25.59
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	499.64	35.83
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	499.64	35.83
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	989.17	40.94
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	989.17	40.94
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,224.00	40.94
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	591.63	40.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0057 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	462.65	28.15
26 29 13 13-0058 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	380.14	38.38
26 29 13 13-0059 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	380.14	38.38
26 29 13 13-0060 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	755.85	43.49
26 29 13 13-0061 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	755.85	43.49
26 29 13 13-0062 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	989.88	43.49
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	470.53	43.49
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	343.15	30.70
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	442.97	40.94
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	442.97	40.94
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	898.03	46.06
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	898.03	46.06
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,148.89	46.06
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	532.55	46.06
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	403.57	33.26
26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	947.84	53.74
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	947.84	53.74
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	849.00	38.38
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,128.78	58.85
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,029.96	43.49
26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	947.84	53.74
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	849.00	38.38
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,128.78	58.85
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,029.96	43.49
26 29 13 13-0083 Magnetic Motor Starters (26 29 13 13)		
26 29 13 13-0084 Non Reversing, Magnetic Contactors (26 29 13 13-0083)		
26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0086 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11)	332.38	51.17
For Factory Installed Accessory, Deduct	-102.36	
26 29 13 13-0087 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12)	376.28	56.29
For Factory Installed Accessory, Deduct	-112.59	
26 29 13 13-0088 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5)	366.05	51.17
For Factory Installed Accessory, Deduct	-102.36	
26 29 13 13-0089 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1)	410.74	56.29
For Factory Installed Accessory, Deduct	-112.59	
26 29 13 13-0090 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2)	454.63	61.41
For Factory Installed Accessory, Deduct	-122.82	
26 29 13 13-0091 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3)	575.91	76.76
For Factory Installed Accessory, Deduct	-153.53	
26 29 13 13-0092 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4)	732.44	92.12
For Factory Installed Accessory, Deduct	-184.23	
26 29 13 13-0093 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5)	432.38	56.29
For Factory Installed Accessory, Deduct	-112.59	
26 29 13 13-0094 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1)	476.27	61.41
For Factory Installed Accessory, Deduct	-122.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0095 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2).....	521.78	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0096 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3).....	659.19	89.55
<i>For Factory Installed Accessory, Deduct</i>	-179.11	
26 29 13 13-0097 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4).....	814.94	104.91
<i>For Factory Installed Accessory, Deduct</i>	-209.82	
26 29 13 13-0098 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1).....	785.64	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0099 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2).....	860.43	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0100 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3).....	1,117.58	102.36
<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13 13-0101 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1).....	1,203.46	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0102 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2).....	1,346.80	102.36
<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13 13-0103 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3).....	1,716.96	127.94
<i>For Factory Installed Accessory, Deduct</i>	-255.87	
26 29 13 13-0104 EA Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4).....	2,499.10	153.53
<i>For Factory Installed Accessory, Deduct</i>	-307.06	
26 29 13 13-0105 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1).....	2,790.14	127.94
<i>For Factory Installed Accessory, Deduct</i>	-255.87	
26 29 13 13-0106 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2).....	3,047.31	153.53
<i>For Factory Installed Accessory, Deduct</i>	-307.06	
26 29 13 13-0107 EA Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3).....	4,170.86	179.11
<i>For Factory Installed Accessory, Deduct</i>	-358.23	
26 29 13 13-0108 EA Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1).....	5,798.78	153.53
<i>For Factory Installed Accessory, Deduct</i>	-307.06	
26 29 13 13-0109 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2).....	6,381.21	204.70
<i>For Factory Installed Accessory, Deduct</i>	-409.40	
26 29 13 13-0110 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2).....	16,915.34	307.06
<i>For Factory Installed Accessory, Deduct</i>	-614.10	
26 29 13 13-0111 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	24,186.43	460.58
<i>For Factory Installed Accessory, Deduct</i>	-921.16	
26 29 13 13-0112 NEMA 1, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11).....	357.23	51.17
<i>For Factory Installed Accessory, Deduct</i>	-102.36	
26 29 13 13-0114 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12).....	401.12	56.29
<i>For Factory Installed Accessory, Deduct</i>	-112.59	
26 29 13 13-0115 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5).....	390.89	51.17
<i>For Factory Installed Accessory, Deduct</i>	-102.36	
26 29 13 13-0116 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1).....	436.39	56.29
<i>For Factory Installed Accessory, Deduct</i>	-112.59	
26 29 13 13-0117 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2).....	480.28	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0118 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3).....	603.16	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0119 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4).....	760.49	92.12
<i>For Factory Installed Accessory, Deduct</i>	-184.23	
26 29 13 13-0120 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5).....	458.83	56.29
<i>For Factory Installed Accessory, Deduct</i>	-112.59	
26 29 13 13-0121 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1).....	504.32	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0122 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2).....	548.23	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0123 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3).....	686.44	89.55
<i>For Factory Installed Accessory, Deduct</i>	-179.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0124 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4)	841.38	104.91
<i>For Factory Installed Accessory, Deduct</i>	-209.82	
26 29 13 13-0125 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1)	904.26	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0126 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2)	979.85	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0127 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3)	1,236.20	102.36
<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13 13-0128 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1)	1,436.69	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0129 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2)	1,579.23	102.36
<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13 13-0130 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3)	1,950.19	127.94
<i>For Factory Installed Accessory, Deduct</i>	-255.87	
26 29 13 13-0131 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1)	3,273.43	127.94
<i>For Factory Installed Accessory, Deduct</i>	-255.87	
26 29 13 13-0132 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2)	3,530.60	153.53
<i>For Factory Installed Accessory, Deduct</i>	-307.06	
26 29 13 13-0133 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2)	7,262.03	204.70
<i>For Factory Installed Accessory, Deduct</i>	-409.40	
26 29 13 13-0134 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2)	20,788.88	307.06
<i>For Factory Installed Accessory, Deduct</i>	-614.10	
26 29 13 13-0135 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2)	28,071.19	460.58
<i>For Factory Installed Accessory, Deduct</i>	-921.16	
26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0137 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1)	573.44	56.29
<i>For Factory Installed Accessory, Deduct</i>	-112.59	
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2)	617.33	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2)	685.28	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1)	1,154.32	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2)	1,230.72	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1)	1,733.24	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2)	1,874.98	102.36
<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2)	4,512.41	153.53
<i>For Factory Installed Accessory, Deduct</i>	-307.06	
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2)	9,774.66	204.70
<i>For Factory Installed Accessory, Deduct</i>	-409.40	
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2)	23,869.76	307.06
<i>For Factory Installed Accessory, Deduct</i>	-614.10	
26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0148 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12)	880.22	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11)	915.48	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0150 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12)	959.38	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0151 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13)	1,097.60	89.55
<i>For Factory Installed Accessory, Deduct</i>	-179.11	
26 29 13 13-0152 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12)	1,802.17	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0153	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12).....	2,742.98	102.36
			<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13 13-0154	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12).....	5,517.46	153.53
			<i>For Factory Installed Accessory, Deduct</i>	-307.06	
26 29 13 13-0155	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12).....	9,774.66	204.70
			<i>For Factory Installed Accessory, Deduct</i>	-409.40	
26 29 13 13-0156	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2).....	26,495.40	307.06
			<i>For Factory Installed Accessory, Deduct</i>	-614.10	
26 29 13 13-0157			NEMA 7/9, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
			Note: Bolted cast iron enclosure.		
26 29 13 13-0158	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2).....	1,822.82	81.88
			<i>For Factory Installed Accessory, Deduct</i>	-163.76	
26 29 13 13-0159			Non Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0160			Open Enclosure, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0161	EA		Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11).....	411.73	51.17
			<i>For Factory Installed Accessory, Deduct</i>	-102.36	
26 29 13 13-0162	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12).....	421.96	56.29
			<i>For Factory Installed Accessory, Deduct</i>	-112.59	
26 29 13 13-0163	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1).....	461.23	56.29
			<i>For Factory Installed Accessory, Deduct</i>	-112.59	
26 29 13 13-0164	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2).....	511.54	61.41
			<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0165	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4).....	832.62	92.12
			<i>For Factory Installed Accessory, Deduct</i>	-184.23	
26 29 13 13-0166	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1).....	529.17	61.41
			<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0167	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3).....	629.98	66.53
			<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0168	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2).....	663.64	66.53
			<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0169	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6).....	858.58	61.41
			<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0170	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	963.82	76.76
			<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0171	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	1,517.52	102.36
			<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13 13-0172	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1).....	3,310.19	153.53
			<i>For Factory Installed Accessory, Deduct</i>	-307.06	
26 29 13 13-0173	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	7,744.52	204.70
			<i>For Factory Installed Accessory, Deduct</i>	-409.40	
26 29 13 13-0174	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	18,051.03	307.06
			<i>For Factory Installed Accessory, Deduct</i>	-614.10	
26 29 13 13-0175	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2).....	25,975.33	460.58
			<i>For Factory Installed Accessory, Deduct</i>	-921.16	
26 29 13 13-0176			NEMA 1, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0177	EA		Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11).....	438.18	51.17
			<i>For Factory Installed Accessory, Deduct</i>	-102.36	
26 29 13 13-0178	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	448.41	56.29
			<i>For Factory Installed Accessory, Deduct</i>	-112.59	
26 29 13 13-0179	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1).....	487.68	56.29
			<i>For Factory Installed Accessory, Deduct</i>	-112.59	
26 29 13 13-0180	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	537.99	61.41
			<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0181	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1).....	554.82	61.41
			<i>For Factory Installed Accessory, Deduct</i>	-122.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0182 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3)	605.93	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2)	690.89	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6)	978.00	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0185 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1)	1,083.24	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0186 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1)	1,750.75	102.36
<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13 13-0187 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1)	3,793.48	153.53
<i>For Factory Installed Accessory, Deduct</i>	-307.06	
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1)	8,627.75	204.70
<i>For Factory Installed Accessory, Deduct</i>	-409.40	
26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1)	624.73	56.29
<i>For Factory Installed Accessory, Deduct</i>	-112.59	
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2)	675.04	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1)	691.87	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3)	742.98	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2)	827.94	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6)	1,228.86	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1)	1,333.30	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1)	2,046.49	102.36
<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1)	4,774.49	153.53
<i>For Factory Installed Accessory, Deduct</i>	-307.06	
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1)	11,137.97	204.70
<i>For Factory Installed Accessory, Deduct</i>	-409.40	
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2)	26,844.04	307.06
<i>For Factory Installed Accessory, Deduct</i>	-614.10	
26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1)	624.73	56.29
<i>For Factory Installed Accessory, Deduct</i>	-112.59	
26 29 13 13-0203 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2)	675.04	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0204 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1)	691.87	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0205 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3)	742.98	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0206 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2)	827.94	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0207 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6)	1,228.86	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0208 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1)	1,333.30	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0209 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1)	2,046.49	102.36
<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13 13-0210 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1)	4,774.49	153.53
<i>For Factory Installed Accessory, Deduct</i>	-307.06	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13	13-0211		NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Bolted cast aluminum enclosure.		
26 29 13	13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4).....	1,897.18	87.00
			<i>For Factory Installed Accessory, Deduct</i>	-174.00	
26 29 13	13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1).....	2,363.64	87.00
			<i>For Factory Installed Accessory, Deduct</i>	-174.00	
26 29 13	13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3).....	2,431.57	92.12
			<i>For Factory Installed Accessory, Deduct</i>	-184.23	
26 29 13	13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1).....	3,832.99	102.36
			<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13	13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43).....	4,615.10	127.94
			<i>For Factory Installed Accessory, Deduct</i>	-255.87	
26 29 13	13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41).....	7,393.60	179.11
			<i>For Factory Installed Accessory, Deduct</i>	-358.23	
26 29 13	13-0218		NEMA 4/4X, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Brushed stainless steel enclosure.		
26 29 13	13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11).....	886.82	56.29
			<i>For Factory Installed Accessory, Deduct</i>	-112.59	
26 29 13	13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12).....	937.92	61.41
			<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13	13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11).....	965.97	61.41
			<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13	13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13).....	1,017.09	66.53
			<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13	13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12).....	1,102.05	66.53
			<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13	13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16).....	1,798.71	61.41
			<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13	13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11).....	2,913.69	102.36
			<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13	13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11).....	5,778.74	153.53
			<i>For Factory Installed Accessory, Deduct</i>	-307.06	
26 29 13	13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11).....	13,068.73	204.70
			<i>For Factory Installed Accessory, Deduct</i>	-409.40	
26 29 13	13-0228		NEMA 4X, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Glass polyester enclosure.		
26 29 13	13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21).....	1,905.56	76.76
			<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13	13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21).....	3,591.74	102.36
			<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13	13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21).....	7,147.67	153.53
			<i>For Factory Installed Accessory, Deduct</i>	-307.06	
26 29 13	13-0232		NEMA 7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Bolted cast iron enclosure.		
26 29 13	13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	1,839.65	81.88
			<i>For Factory Installed Accessory, Deduct</i>	-163.76	
26 29 13	13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2).....	1,897.18	87.00
			<i>For Factory Installed Accessory, Deduct</i>	-174.00	
26 29 13	13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	1,926.03	87.00
			<i>For Factory Installed Accessory, Deduct</i>	-174.00	
26 29 13	13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3).....	1,980.34	92.12
			<i>For Factory Installed Accessory, Deduct</i>	-184.23	
26 29 13	13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	2,078.12	92.12
			<i>For Factory Installed Accessory, Deduct</i>	-184.23	
26 29 13	13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1).....	3,108.45	102.36
			<i>For Factory Installed Accessory, Deduct</i>	-204.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0239 Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0241 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	824.73	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0242 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	875.23	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0243 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	972.02	71.64
<i>For Factory Installed Accessory, Deduct</i>	-143.29	
26 29 13 13-0244 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,004.70	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0245 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,032.75	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0246 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,105.50	81.88
<i>For Factory Installed Accessory, Deduct</i>	-163.76	
26 29 13 13-0247 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,144.89	89.55
<i>For Factory Installed Accessory, Deduct</i>	-179.11	
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SC07)	1,173.74	89.55
<i>For Factory Installed Accessory, Deduct</i>	-179.11	
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	2,087.37	102.36
<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13 13-0250 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	3,434.42	153.53
<i>For Factory Installed Accessory, Deduct</i>	-307.06	
26 29 13 13-0251 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	8,098.66	230.29
<i>For Factory Installed Accessory, Deduct</i>	-460.58	
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	15,288.34	307.06
<i>For Factory Installed Accessory, Deduct</i>	-614.10	
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	50,216.33	562.93
<i>For Factory Installed Accessory, Deduct</i>	-1,125.86	
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0255 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	862.58	61.41
<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	896.87	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	925.72	66.53
<i>For Factory Installed Accessory, Deduct</i>	-133.06	
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,020.11	71.64
<i>For Factory Installed Accessory, Deduct</i>	-143.29	
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,054.39	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,083.24	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0261 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,177.63	81.88
<i>For Factory Installed Accessory, Deduct</i>	-163.76	
26 29 13 13-0262 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,217.02	89.55
<i>For Factory Installed Accessory, Deduct</i>	-179.11	
26 29 13 13-0263 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,245.88	89.55
<i>For Factory Installed Accessory, Deduct</i>	-179.11	
26 29 13 13-0264 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	2,274.92	102.36
<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13 13-0265 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	3,759.02	153.53
<i>For Factory Installed Accessory, Deduct</i>	-307.06	
26 29 13 13-0266 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	8,694.95	230.29
<i>For Factory Installed Accessory, Deduct</i>	-460.58	
26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0268 EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,259.57	76.76
<i>For Factory Installed Accessory, Deduct</i>	-153.53	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,288.42	76.76
		<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	1,451.05	89.55
		<i>For Factory Installed Accessory, Deduct</i>	-179.11	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	2,617.95	102.36
		<i>For Factory Installed Accessory, Deduct</i>	-204.70	
26 29 13 13-0272		NEMA 4X, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
		Note: Brushed stainless steel enclosure.		
26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	1,607.41	76.76
		<i>For Factory Installed Accessory, Deduct</i>	-153.53	
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	1,908.58	81.88
		<i>For Factory Installed Accessory, Deduct</i>	-163.76	
26 29 13 13-0275		Magnetic Contactor/Starters Accessories <small>(26 29 13 13-0083)</small>		
26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	118.81	6.40
		<i>For Factory Installed Accessory, Deduct</i>	-12.79	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	209.29	6.40
		<i>For Factory Installed Accessory, Deduct</i>	-12.79	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	118.81	6.40
		<i>For Factory Installed Accessory, Deduct</i>	-12.79	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	209.29	6.40
		<i>For Factory Installed Accessory, Deduct</i>	-12.79	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	209.29	6.40
		<i>For Factory Installed Accessory, Deduct</i>	-12.79	
26 29 13 13-0281	EA	Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	100.71	5.12
		<i>For Factory Installed Accessory, Deduct</i>	-10.23	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6).....	88.83	5.12
		<i>For Factory Installed Accessory, Deduct</i>	-10.23	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	118.81	6.40
		<i>For Factory Installed Accessory, Deduct</i>	-12.79	
26 29 13 13-0284	EA	External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	100.71	5.12
		<i>For Factory Installed Accessory, Deduct</i>	-10.23	
26 29 13 13-0285	EA	External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	135.26	6.40
		<i>For Factory Installed Accessory, Deduct</i>	-12.79	
26 29 13 13-0286	EA	30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	154.64	5.12
		<i>For Factory Installed Accessory, Deduct</i>	-10.23	
26 29 13 13-0287	EA	45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	272.54	5.12
		<i>For Factory Installed Accessory, Deduct</i>	-10.23	
26 29 13 13-0288	EA	60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	289.90	5.12
		<i>For Factory Installed Accessory, Deduct</i>	-10.23	
26 29 13 13-0289	EA	30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	346.39	6.40
		<i>For Factory Installed Accessory, Deduct</i>	-12.79	
26 29 13 13-0290	EA	45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	612.35	6.40
		<i>For Factory Installed Accessory, Deduct</i>	-12.79	
26 29 13 13-0291	EA	60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	612.35	6.40
		<i>For Factory Installed Accessory, Deduct</i>	-12.79	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	31.54	3.83
		<i>For Factory Installed Accessory, Deduct</i>	-7.68	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	68.72	5.12
		<i>For Factory Installed Accessory, Deduct</i>	-10.23	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	91.39	6.40
		<i>For Factory Installed Accessory, Deduct</i>	-12.79	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	69.46	6.40
		<i>For Factory Installed Accessory, Deduct</i>	-12.79	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	38.12	3.83
		<i>For Factory Installed Accessory, Deduct</i>	-7.68	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1).....	20.76	3.83
		<i>For Factory Installed Accessory, Deduct</i>	-7.68	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39).....	133.62	5.12
		<i>For Factory Installed Accessory, Deduct</i>	-10.23	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40).....	234.88	6.40
		<i>For Factory Installed Accessory, Deduct</i>	-12.79	
26 29 13 13-0300		Definite Purpose Starters <small>(26 29 13 13)</small>		
26 29 13 13-0301		Open Enclosure, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		
26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	360.86	61.41
		<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	360.06	61.41
		<i>For Factory Installed Accessory, Deduct</i>	-122.82	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	389.53	66.53
		<i>For Factory Installed Accessory, Deduct</i>	-133.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0305	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32) <i>For Factory Installed Accessory, Deduct</i>	389.71 -122.82	61.41
26 29 13 13-0306	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33) <i>For Factory Installed Accessory, Deduct</i>	424.00 -133.06	66.53
26 29 13 13-0307	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42) <i>For Factory Installed Accessory, Deduct</i>	415.36 -122.82	61.41
26 29 13 13-0308	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43) <i>For Factory Installed Accessory, Deduct</i>	473.32 -153.53	76.76
26 29 13 13-0309	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52) <i>For Factory Installed Accessory, Deduct</i>	539.84 -153.53	76.76
26 29 13 13-0310	EA		Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53) <i>For Factory Installed Accessory, Deduct</i>	690.45 -179.11	89.55
26 29 13 13-0311			NEMA 1, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		
26 29 13 13-0312	EA		NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12) <i>For Factory Installed Accessory, Deduct</i>	378.68 -112.59	56.29
26 29 13 13-0313	EA		NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13) <i>For Factory Installed Accessory, Deduct</i>	408.15 -122.82	61.41
26 29 13 13-0314	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22) <i>For Factory Installed Accessory, Deduct</i>	406.54 -122.82	61.41
26 29 13 13-0315	EA		NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23) <i>For Factory Installed Accessory, Deduct</i>	438.42 -133.06	66.53
26 29 13 13-0316	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32) <i>For Factory Installed Accessory, Deduct</i>	437.00 -122.82	61.41
26 29 13 13-0317	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33) <i>For Factory Installed Accessory, Deduct</i>	472.08 -133.06	66.53
26 29 13 13-0318	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42) <i>For Factory Installed Accessory, Deduct</i>	464.25 -122.82	61.41
26 29 13 13-0319	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43) <i>For Factory Installed Accessory, Deduct</i>	521.41 -153.53	76.76
26 29 13 13-0320	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52) <i>For Factory Installed Accessory, Deduct</i>	585.53 -153.53	76.76
26 29 13 13-0321	EA		NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53) <i>For Factory Installed Accessory, Deduct</i>	736.94 -179.11	89.55
26 29 13 13-0322			Definite Purpose Starter Accessory <small>(26 29 13 13-0300)</small>		
26 29 13 13-0323	EA		Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit <i>For Factory Installed Accessory, Deduct</i>	135.26 -12.79	6.40
26 29 13 13-0324			Panel Mounted Miniature Contactor <small>(26 29 13 13)</small>		
26 29 13 13-0325			Non Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
26 29 13 13-0326	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	96.85	25.59
26 29 13 13-0327	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	116.40	28.15
26 29 13 13-0328	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	116.40	28.15
26 29 13 13-0329	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	130.34	30.70
26 29 13 13-0330	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	111.28	25.59
26 29 13 13-0331	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	119.30	25.59
26 29 13 13-0332	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	130.03	28.15
26 29 13 13-0333	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	138.04	28.15
26 29 13 13-0334	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	134.83	28.15



MINOR		TOTAL DIRECT		DEMOLITION		
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT	COST
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	138.04			28.15
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	146.37			30.70
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	142.85			28.15
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	154.38			30.70
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	144.45			28.15
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	144.45			28.15
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	162.40			30.70
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	162.40			30.70
26 29 13 13-0343		Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>				
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	155.36			25.59
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	171.39			25.59
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	190.14			28.15
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	190.14			28.15
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	206.17			28.15
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	214.49			30.70
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	214.49			30.70
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	185.02			25.59
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	201.05			25.59
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	218.19			28.15
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	234.22			28.15
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	247.35			30.70
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	263.38			30.70
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	209.37			28.15
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	247.04			28.15
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	281.01			30.70
26 29 13 13-0360		Panel Mounted Miniature Contactor Accessories <small>(26 29 13 13-0324)</small>				
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	38.17			12.79
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	44.36			12.79
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	55.57			12.79
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	77.85			12.79
26 29 13 13-0365		Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole <small>(26 29 13 13)</small>				
26 29 13 13-0366		NEMA 1 Enclosure <small>(26 29 13 13-0365)</small>				



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing <i>For NEMA 4, Add</i>	5,799.78 662.43	244.98
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing <i>For NEMA 4, Add</i>	10,334.07 1,209.97	326.65
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing <i>For NEMA 4, Add</i>	18,440.30 2,208.37	387.89
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing <i>For NEMA 4, Add</i>	45,852.69 5,613.44	474.65
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing <i>For NEMA 4, Add</i>	73,429.96 9,026.85	607.36
26 29 13 13-0372 NEMA 12 Enclosure (26 29 13 13-0365)		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	5,755.64	250.19
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	10,253.45	327.16
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	18,293.14	386.67
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	45,478.64	472.57
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	72,828.45	607.61
26 29 13 13-0378 Factory Modifications Pilot Devices (26 29 13 13-0365)		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	156.07	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	172.13	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	292.99	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	159.19	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	228.90	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	114.45	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	373.56	
26 29 13 13-0386 Factory Modifications Meters (26 29 13 13-0365)		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,501.59	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,450.33	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	512.74	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	424.85	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers (26 29 13 13-0365)		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	1,984.57	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	3,629.54	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	7,720.38	
26 29 13 13-0395 Factory Modifications Addition (26 29 13 13-0365)		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	333.29	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	333.29	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	333.29	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	333.29	
26 29 13 13-0400 Combination Starters Non-Reversing (26 29 13 13-0400)		
26 29 13 13-0401 240-600 Volts, 3-Pole (26 29 13 13-0400)		
26 29 13 13-0402 NEMA 1 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,199.69 183.05	117.39
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,386.18 193.10	183.74
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,034.52 305.75	214.36
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,210.12 508.91	265.39
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	6,017.01 981.61	423.62
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	12,662.93 2,203.93	530.80
26 29 13 13-0409 NEMA 1 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0410 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	1,580.82 255.46	117.39



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0411	EA		Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,767.30	183.74
			<i>For Electronic Overloads, Add</i>	265.52	
26 29 13 13-0412	EA		Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,405.06	214.36
			<i>For Electronic Overloads, Add</i>	376.15	
26 29 13 13-0413	EA		Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,411.27	265.39
			<i>For Electronic Overloads, Add</i>	547.13	
26 29 13 13-0414	EA		Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	7,170.98	423.62
			<i>For Electronic Overloads, Add</i>	1,200.86	
26 29 13 13-0415	EA		Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	15,722.52	530.80
			<i>For Electronic Overloads, Add</i>	2,785.25	
26 29 13 13-0416			Factory Modifications For NEMA 1 Enclosure (26 29 13 13-0401)		
26 29 13 13-0417	EA		Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	173.56	
26 29 13 13-0418	EA		H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	407.66	
26 29 13 13-0419	EA		Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	281.35	
26 29 13 13-0420			NEMA 4 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0421	EA		Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,294.79	153.12
			<i>For Electronic Overloads, Add</i>	376.15	
26 29 13 13-0422	EA		Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,457.99	214.36
			<i>For Electronic Overloads, Add</i>	386.21	
26 29 13 13-0423	EA		Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,648.63	234.77
			<i>For Electronic Overloads, Add</i>	603.45	
26 29 13 13-0424	EA		Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,976.96	285.82
			<i>For Electronic Overloads, Add</i>	1,027.88	
26 29 13 13-0425	EA		Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	9,510.67	423.62
			<i>For Electronic Overloads, Add</i>	1,645.41	
26 29 13 13-0426	EA		Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	21,577.04	530.80
			<i>For Electronic Overloads, Add</i>	3,897.61	
26 29 13 13-0427			NEMA 4 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0428	EA		Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,675.91	153.12
			<i>For Electronic Overloads, Add</i>	448.56	
26 29 13 13-0429	EA		Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,839.12	214.36
			<i>For Electronic Overloads, Add</i>	458.62	
26 29 13 13-0430	EA		Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,019.17	234.77
			<i>For Electronic Overloads, Add</i>	673.85	
26 29 13 13-0431	EA		Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,178.11	285.82
			<i>For Electronic Overloads, Add</i>	1,066.09	
26 29 13 13-0432	EA		Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	10,664.63	423.62
			<i>For Electronic Overloads, Add</i>	1,864.66	
26 29 13 13-0433	EA		Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	20,380.73	530.80
			<i>For Electronic Overloads, Add</i>	3,670.31	
26 29 13 13-0434			Factory Modifications For NEMA 4 Enclosure (26 29 13 13-0401)		
26 29 13 13-0435	EA		Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	173.56	
26 29 13 13-0436	EA		H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	407.66	
26 29 13 13-0437	EA		Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	281.35	
26 29 13 13-0438			NEMA 12 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0439	EA		Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,247.86	118.15
			<i>For Electronic Overloads, Add</i>	192.20	
26 29 13 13-0440	EA		Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,436.99	184.91
			<i>For Electronic Overloads, Add</i>	202.76	
26 29 13 13-0441	EA		Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,114.98	212.67
			<i>For Electronic Overloads, Add</i>	321.04	
26 29 13 13-0442	EA		Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,344.04	265.81
			<i>For Electronic Overloads, Add</i>	534.35	
26 29 13 13-0443	EA		Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,275.33	425.36
			<i>For Electronic Overloads, Add</i>	1,030.69	
26 29 13 13-0444	EA		Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	13,242.90	531.61
			<i>For Electronic Overloads, Add</i>	2,314.13	
26 29 13 13-0445			NEMA 12 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0446	EA		Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,702.95	118.15
			<i>For Electronic Overloads, Add</i>	278.67	
26 29 13 13-0447	EA		Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,894.24	184.91
			<i>For Electronic Overloads, Add</i>	289.64	
26 29 13 13-0448	EA		Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,584.89	212.67
			<i>For Electronic Overloads, Add</i>	410.32	
26 29 13 13-0449	EA		Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,672.84	265.81
			<i>For Electronic Overloads, Add</i>	596.83	
26 29 13 13-0450	EA		Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	7,745.10	425.36
			<i>For Electronic Overloads, Add</i>	1,309.95	
26 29 13 13-0451	EA		Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	17,054.13	531.61
			<i>For Electronic Overloads, Add</i>	3,038.26	
26 29 13 13-0452			Factory Modifications For NEMA 12 Enclosure (26 29 13 13-0401)		
26 29 13 13-0453	EA		Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	172.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	404.26	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	279.01	
26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,096.00	244.98
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,199.47	326.65
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,476.14	449.13
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,703.54	612.46
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	10,162.80	857.45
26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure (26 29 13 13-0401)		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,032.19	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,032.19	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,032.19	
26 29 13 13-0466 Combination Starters Reversing (26 29 13 13)		
26 29 13 13-0467 240-600 Volt, 3 Pole (26 29 13 13-0466)		
26 29 13 13-0468 NEMA 1 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,463.11	153.12
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,650.26	214.36
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,520.13	234.77
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,960.03	285.82
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	7,956.86	423.62
26 29 13 13-0474 NEMA 1 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,664.21	153.12
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,864.92	214.36
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,771.42	234.77
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,614.08	285.82
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	8,636.56	423.62
26 29 13 13-0480 NEMA 12 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,580.05	157.55
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,775.03	212.67
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,728.69	236.31
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	4,305.63	283.57
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	8,680.67	425.36
26 29 13 13-0486 NEMA 12 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,801.63	157.55
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,011.56	212.67
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,005.58	236.31
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,924.43	283.57
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	9,429.60	425.36
26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,725.18	326.65
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,945.38	408.30
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,728.88	530.80
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	9,265.14	694.12
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	17,239.32	939.10
26 29 13 13-0498 Solid State Motor Controllers (26 29 13 13)		
26 29 13 13-0499 Adjustable Voltage Drives, DC Motors (26 29 13 13-0498)		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking.....	1,199.06	91.87
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,480.45	91.87
26 29 13 13-0502 Removal And Reinstallation Of Motor Starters (26 29 13 13)		
Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	364.55	
26 29 13 13-0504 Auxiliary Devices (26 29 13 13)		
26 29 13 13-0505 EA Auxiliary Contact, Normally Open.....	321.16	51.04
26 29 13 13-0506 EA Auxiliary Contact, Normally Closed.....	321.16	51.04
26 29 13 13-0507 EA Pilot Light Kit.....	343.27	51.04
26 29 23 Variable-Frequency Motor Controllers (26 29)		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 29 Low-Voltage Controllers



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0001			208/230 Volt Variable Frequency Drives ^(26 29 23) Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002	EA		3/4 HP, 208/230 Volt Variable Frequency Drive	1,386.07	110.34
26 29 23 00-0003	EA		1 HP, 208/230 Volt Variable Frequency Drive	1,569.04	110.34
26 29 23 00-0004	EA		1-1/2 HP, 208/230 Volt Variable Frequency Drive	1,842.96	110.34
26 29 23 00-0005	EA		2 HP, 208/230 Volt Variable Frequency Drive	2,022.72	110.34
26 29 23 00-0006	EA		3 HP, 208/230 Volt Variable Frequency Drive	2,138.28	110.34
26 29 23 00-0007	EA		5 HP, 208/230 Volt Variable Frequency Drive	2,193.01	110.34
26 29 23 00-0008	EA		7.5 HP, 208/230 Volt Variable Frequency Drive	2,445.76	165.83
26 29 23 00-0009	EA		10 HP, 208/230 Volt Variable Frequency Drive	2,978.02	165.83
26 29 23 00-0010	EA		15 HP, 208/230 Volt Variable Frequency Drive	3,615.69	220.60
26 29 23 00-0011	EA		20 HP, 208/230 Volt Variable Frequency Drive	4,185.44	220.60
26 29 23 00-0012	EA		25 HP, 208/230 Volt Variable Frequency Drive	5,206.03	276.10
26 29 23 00-0013	EA		30 HP, 208/230 Volt Variable Frequency Drive	6,532.76	276.10
26 29 23 00-0014	EA		40 HP, 208/230 Volt Variable Frequency Drive	8,017.45	324.19
26 29 23 00-0015	EA		50 HP, 208/230 Volt Variable Frequency Drive	8,997.28	387.60
26 29 23 00-0016	EA		60 HP, 208/230 Volt Variable Frequency Drive	10,250.25	387.60
26 29 23 00-0017	EA		75 HP, 208/230 Volt Variable Frequency Drive	12,164.48	387.60
26 29 23 00-0018			460/480 Volt Variable Frequency Drives ^(26 29 23) Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0019	EA		3 HP, 480 Volt Variable Frequency Drive	1,929.95	96.86
			Note: Wall mounted.		
26 29 23 00-0020	EA		5 HP, 480 Volt Variable Frequency Drive	2,066.59	110.34
			Note: Wall mounted.		
26 29 23 00-0021	EA		7.5 HP, 480 Volt Variable Frequency Drive	2,175.05	165.83
			Note: Wall mounted.		
26 29 23 00-0022	EA		10 HP, 480 Volt Variable Frequency Drive	2,398.03	165.83
			Note: Wall mounted.		
26 29 23 00-0023	EA		15 HP, 480 Volt Variable Frequency Drive	3,047.52	220.60
			Note: Wall mounted.		
26 29 23 00-0024	EA		20 HP, 480 Volt Variable Frequency Drive	3,568.22	220.61
			Note: Wall mounted.		
26 29 23 00-0025	EA		25 HP, 480 Volt Variable Frequency Drive	4,480.57	276.11
			Note: Wall mounted.		
26 29 23 00-0026	EA		30 HP, 480 Volt Variable Frequency Drive	5,126.78	276.10
			Note: Wall mounted.		
26 29 23 00-0027	EA		40 HP, 480 Volt Variable Frequency Drive	6,188.82	324.19
			Note: Wall mounted.		
26 29 23 00-0028	EA		50 HP, 480 Volt Variable Frequency Drive	7,331.29	387.60
			Note: Wall mounted.		
26 29 23 00-0029	EA		60 HP, 480 Volt Variable Frequency Drive	8,556.38	414.42
			Note: Wall mounted.		
26 29 23 00-0030	EA		75 HP, 480 Volt Variable Frequency Drive	9,716.20	441.23
			Note: Wall mounted.		
26 29 23 00-0031	EA		100 HP, 480 Volt Variable Frequency Drive	11,678.32	467.92
			Note: Wall mounted.		
26 29 23 00-0032	EA		125 HP, 480 Volt Variable Frequency Drive	13,918.98	494.20
			Note: Wall mounted.		
26 29 23 00-0033	EA		150 HP, 480 Volt Variable Frequency Drive	16,033.83	552.17
			Note: Floor mounted.		
26 29 23 00-0034	EA		200 HP, 480 Volt Variable Frequency Drive	21,709.61	605.40
			Note: Floor mounted.		
26 29 23 00-0035	EA		250 HP, 480 Volt Variable Frequency Drive	28,072.36	658.92
			Note: Floor mounted.		
26 29 23 00-0036	EA		300 HP, 480 Volt Variable Frequency Drive	33,059.50	772.18
			Note: Floor mounted.		
26 29 23 00-0037	EA		350 HP, 480 Volt Variable Frequency Drive	38,418.56	874.69
			Note: Floor mounted.		
26 29 23 00-0038	EA		400 HP, 480 Volt Variable Frequency Drive	45,016.80	988.41
			Note: Floor mounted.		
26 29 23 00-0039	EA		450 HP, 480 Volt Variable Frequency Drive	48,542.96	1,110.55
			Note: Floor mounted.		

26 30 Facility Electrical Power Generating And Storing Equipment

(26)

26 31 Photovoltaic Collectors ^(26 30)

26 31 00 00-0001			Rigid Photovoltaic Modules ^(26 31)		
26 31 00 00-0002			Sanyo Rigid Photovoltaic Modules ^(26 31 00 00-0001)		
26 31 00 00-0003	EA		205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	1,170.54	48.49
			For >50, Deduct	-107.36	
26 31 00 00-0004	EA		210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	1,228.74	48.49
			For >50, Deduct	-113.18	
26 31 00 00-0005	EA		215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HKA6).....	1,147.71	48.49
			For >50, Deduct	-105.07	
26 31 00 00-0006			Sharp Rigid Photovoltaic Modules ^(26 31 00 00-0001)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0007	EA		224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	908.50	48.49
			<i>For >50, Deduct</i>	-81.15	
26 31 00 00-0008	EA		230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	1,038.40	48.49
			<i>For >50, Deduct</i>	-94.14	
26 31 00 00-0009	EA		235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	1,058.97	48.49
			<i>For >50, Deduct</i>	-96.20	
26 31 00 00-0010	EA		240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	994.67	48.49
			<i>For >50, Deduct</i>	-89.77	
26 31 00 00-0011			BP Solar Rigid Photovoltaic Modules <small>(26 31 00 00-0001)</small>		
			Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0012	EA		50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	430.01	48.49
			<i>For >50, Deduct</i>	-33.30	
26 31 00 00-0013	EA		75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	539.32	48.49
			<i>For >50, Deduct</i>	-44.24	
26 31 00 00-0014	EA		80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	583.05	48.49
			<i>For >50, Deduct</i>	-48.61	
26 31 00 00-0015			Photovoltaic Inverters <small>(26 31)</small>		
26 31 00 00-0016			Fronius Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0017	EA		3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	2,836.45	51.04
26 31 00 00-0018	EA		5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	3,753.37	51.04
26 31 00 00-0019	EA		6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	3,964.04	51.04
26 31 00 00-0020	EA		7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	4,436.68	51.04
26 31 00 00-0021	EA		10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	7,047.30	51.04
26 31 00 00-0022	EA		12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	8,198.08	51.04
26 31 00 00-0023	EA		11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	6,631.88	102.08
26 31 00 00-0024	EA		11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	8,413.26	102.08
26 31 00 00-0025	EA		Inverter Display Stand (Fronius 4,045,894)	233.28	25.52
26 31 00 00-0026			SMA Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0027	EA		4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	2,099.36	51.04
26 31 00 00-0028	EA		5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	2,527.46	51.04
26 31 00 00-0029	EA		6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	2,926.43	51.04
26 31 00 00-0030	EA		7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	3,231.01	51.04
26 31 00 00-0031	EA		8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	3,128.41	51.04
26 31 00 00-0032			PVPowered Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0033	EA		120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	2,603.71	51.04
26 31 00 00-0034	EA		240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	2,724.84	51.04
26 31 00 00-0035	EA		240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	3,014.50	51.04
26 31 00 00-0036	EA		240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	3,571.93	63.80
26 31 00 00-0037	EA		208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	4,355.85	76.56
26 31 00 00-0038	EA		240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	4,392.72	76.56
26 31 00 00-0039	EA		240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	4,638.14	76.56
26 31 00 00-0040	EA		208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	55,665.67	408.30
26 31 00 00-0041	EA		480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	55,739.74	408.30
26 31 00 00-0042	EA		208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	60,340.03	408.30
26 31 00 00-0043	EA		480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	55,916.51	408.30
26 31 00 00-0044			Solectria Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0045	EA		208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	8,735.06	102.08
26 31 00 00-0046	EA		208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	8,735.06	102.08
26 31 00 00-0047	EA		208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	8,992.70	102.08
26 31 00 00-0048	EA		480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	8,992.70	102.08
26 31 00 00-0049	EA		208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	27,378.89	306.23
26 31 00 00-0050	EA		480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	26,090.67	306.23
26 31 00 00-0051	EA		208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	29,955.34	306.23
26 31 00 00-0052	EA		480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	29,239.66	306.23
26 31 00 00-0053	EA		208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	31,816.11	306.23
26 31 00 00-0054	EA		480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	30,384.75	306.23
26 31 00 00-0055	EA		208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	33,451.62	408.30
26 31 00 00-0056	EA		480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	31,877.12	408.30
26 31 00 00-0057	EA		208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	34,739.84	408.30
26 31 00 00-0058	EA		480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	32,879.07	408.30
26 31 00 00-0059			Xantrex Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0060	EA		0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	358.94	12.76
26 31 00 00-0061	EA		1 KW Photovoltaic Inverter (Xantrex 806-1210).....	392.06	12.76
26 31 00 00-0062	EA		2 KW Photovoltaic Inverter (Xantrex 806-1220).....	635.44	12.76
26 31 00 00-0063			Photovoltaic DC-DC Converters <small>(26 31)</small>		
26 31 00 00-0064	EA		15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20)	202.90	19.14
			Note: Hazardous locations.		
26 31 00 00-0065	EA		20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	130.88	19.14
26 31 00 00-0066	EA		60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	388.10	19.14

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0067			Photovoltaic Combiner Boxes (26 31)		
26 31 00 00-0068			Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0067)		
26 31 00 00-0069	EA		3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	223.52	51.04
26 31 00 00-0070	EA		6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	216.85	51.04
26 31 00 00-0071	EA		12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	348.28	76.56
26 31 00 00-0072	EA		6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	350.62	76.56
26 31 00 00-0073	EA		16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	566.97	76.56
26 31 00 00-0074			SMA Photovoltaic Combiner Boxes (26 31 00 00-0067)		
26 31 00 00-0075	EA		6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	538.31	51.04
26 31 00 00-0076	EA		12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	651.98	51.04
26 31 00 00-0077	EA		28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	1,260.50	102.08
26 31 00 00-0078	EA		52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	2,991.05	102.08
26 31 00 00-0079	EA		4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	476.80	51.04
26 31 00 00-0080			Photovoltaic Charge Controller (26 31)		
26 31 00 00-0081	EA		35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	159.17	19.14
26 31 00 00-0082	EA		40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	217.05	19.14
26 31 00 00-0083	EA		60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	255.63	19.14
26 31 00 00-0084	EA		Remote Digital Meter For Xantrex C-35, 40 And 60	192.61	19.14
26 31 00 00-0085	EA		MPPT Charge Controller (Xantrex XW SCC)	696.60	25.52
26 31 00 00-0086			Photovoltaic Batteries (26 31)		
26 31 00 00-0087			Concorde Photovoltaic Batteries (26 31 00 00-0086)		
26 31 00 00-0088	EA		34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	154.12	7.66
26 31 00 00-0089	EA		45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	193.91	10.21
26 31 00 00-0090	EA		49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	210.69	10.21
26 31 00 00-0091	EA		56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	238.83	15.32
26 31 00 00-0092	EA		69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	273.53	15.32
26 31 00 00-0093	EA		89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	324.91	17.86
26 31 00 00-0094	EA		104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	372.58	20.41
26 31 00 00-0095	EA		108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	368.18	20.41
26 31 00 00-0096	EA		210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	684.67	24.25
26 31 00 00-0097	EA		255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	793.64	25.52
26 31 00 00-0098			Deka Photovoltaic Batteries (26 31 00 00-0086)		
26 31 00 00-0099	EA		31 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1)	158.06	12.79
26 31 00 00-0100	EA		50 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	221.08	12.79
26 31 00 00-0101	EA		74 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24)	330.40	12.79
26 31 00 00-0102	EA		86 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27)	379.27	12.79
26 31 00 00-0103	EA		98 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31)	380.55	12.79
26 31 00 00-0104	EA		183 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D)	745.81	12.79
26 31 00 00-0105	EA		225 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D)	864.13	12.79
26 31 00 00-0106			Battery Enclosures (26 31 00 00-0086)		
26 31 00 00-0107	EA		14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	179.85	12.76
26 31 00 00-0108	EA		22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	916.86	12.79
26 31 00 00-0109	EA		37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	861.55	12.79
26 31 00 00-0110	EA		37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	1,150.93	12.79
26 31 00 00-0111	EA		15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	507.88	12.79
26 31 00 00-0112	EA		31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	1,206.23	12.79
26 31 00 00-0113			Photovoltaic System Monitoring (26 31)		
26 31 00 00-0114	EA		Solar Inverter Monitor (Xantrex 864-0203)	380.54	25.52
26 31 00 00-0115	EA		Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	815.51	12.76
26 31 00 00-0116	EA		Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	679.86	12.76
26 31 00 00-0117	EA		PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	117.89	12.76
26 31 00 00-0118	EA		Wind Sensor Accessory For Sunny SensorBox (SMA)	295.76	25.52
26 31 00 00-0119	EA		Sunny Boy Control with RS485 (SMA)	802.00	12.76
26 31 00 00-0120	EA		RS 485 Module (SMA)	175.21	12.76
26 31 00 00-0121	EA		RS 232 Module (SMA)	179.85	12.76
26 31 00 00-0122	EA		Wireless Monitor with Bluetooth (SMA Sunny Beam)	336.18	12.76
26 31 00 00-0123	EA		Bluetooth Piggy-Back Computer Card (SMA)	182.36	12.76
26 31 00 00-0124	EA		RS485-N Communication Computer Card (SMA)	181.06	12.76
26 31 00 00-0125	EA		Bluetooth Repeater (SMA)	350.21	12.76
26 31 00 00-0126	EA		Sunny Boy PC Service Cable (SMA)	168.02	3.82
26 31 00 00-0127	EA		Integrated Revenue Grade Meter, Option (PVPowered)	3,298.85	12.76
26 31 00 00-0128	EA		Data Monitoring Module (PVPowered PVM1010)	349.46	12.76
26 31 00 00-0129	EA		Wireless IG Personal Display (Fronius 4,240,108)	341.82	12.76
26 31 00 00-0130	EA		DatCom Power Supply (Fronius 43,0001,2311)	112.93	12.76
26 31 00 00-0131	EA		Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	204.26	12.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0132 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	171.34	12.76
26 31 00 00-0133 EA Datalogger Pro Box (Fronius 4,240,102).....	701.09	12.76
26 31 00 00-0134 EA Datalogger Easy Box (Fronius 4,240,103).....	452.68	12.76
26 31 00 00-0135 EA Datalogger Interface Box (Fronius 4,240,105).....	792.75	12.76
26 31 00 00-0136 EA Datalogger Web (Fronius 4,240,122).....	1,369.17	12.76
26 31 00 00-0137 EA Interface Box (Fronius 4,240,109).....	360.81	12.76
26 31 00 00-0138 EA Interface Card (Fronius 4,240,009,Z).....	254.68	12.76
26 31 00 00-0139 EA Interface Card Easy (Fronius 4,240,013,Z).....	164.65	12.76
26 31 00 00-0140 EA Sensor Box (Fronius 4,240,104).....	732.65	12.76
26 31 00 00-0141 EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	72.66	12.76
26 31 00 00-0142 EA Irradiance Sensor (Fronius 43,0001,1188).....	248.15	12.76
26 31 00 00-0143 EA Module Temperature Sensor (Fronius 43,0001,1190).....	277.47	12.76
26 31 00 00-0144 EA Wind Speed Sensor (Fronius 42,0411,0027).....	132.62	25.52
26 31 00 00-0145 Photovoltaic System Accessories (26 31)		
26 31 00 00-0146 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	528.48	25.52
26 31 00 00-0147 EA Line Communication Filter (Enphase LCF).....	1,155.40	51.04
26 31 00 00-0148 EA 15 Meter RS 485 Communication Cable (SMA).....	88.68	3.82
26 31 00 00-0149 EA 15 Meter RS 232 Communication Cable (SMA).....	134.98	3.82
26 31 00 00-0150 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	19.62	1.26
26 31 00 00-0151 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	21.17	1.26
26 31 00 00-0152 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	22.05	1.26
26 31 00 00-0153 EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	24.48	1.26
26 31 00 00-0154 EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	28.13	1.26
26 31 00 00-0155 EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	44.12	2.53
26 31 00 00-0156 EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	55.44	2.53
26 31 00 00-0157 EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	72.25	3.79
26 31 00 00-0158 EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	25.09	1.26
26 31 00 00-0159 EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	35.42	1.26
26 31 00 00-0160 EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	51.41	2.53
26 31 00 00-0161 EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	69.64	2.53
26 31 00 00-0162 EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	111.94	5.05
26 31 00 00-0163 EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	117.09	5.05
26 31 00 00-0164 EA Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery.....	2,085.97	137.80
Note: Tamper proof enclosure.		
26 31 00 00-0165 Photovoltaic Mounting Systems (26 31)		
26 31 00 00-0166 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard).....	6.54	1.27
26 31 00 00-0167 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229).....	16.79	6.38
26 31 00 00-0168 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216).....	22.52	6.38
26 31 00 00-0169 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046).....	12.49	2.55
Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0170 EA Mounting Rail Grounding Clip (UNIRAC 980006).....	5.42	1.92
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0171 EA Mounting Rail Grounding Lugs (UNIRAC 980012).....	12.76	2.55
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0172 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002).....	3.30	0.85
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0173 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008).....	3.49	0.85
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0174 EA Photovoltaic Module Mount L-Feet (UNIRAC 310065).....	8.31	2.55
26 31 00 00-0175 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121).....	51.27	12.76
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0176 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122).....	57.75	12.76
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123).....	62.97	12.76
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107).....	75.01	19.14
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0179 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108).....	94.46	19.14
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0180 EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109).....	112.10	19.14
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0181 EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111).....	120.18	25.52
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182 EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112).....	166.63	25.52
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183 EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110).....	232.49	38.28
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184 EA Ballasted Photovoltaic Module Frame (UNIRAC 310351).....	113.18	
Note: Excludes ballast.		
26 31 00 00-0185 EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	213.60	
Note: Excludes ballast.		
26 31 00 00-0186 EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	38.32	12.76
26 31 00 00-0187 EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	38.92	12.76

26 Electrical
26 30 Facility Electrical Power Generating And Storing Equipment
26 31 Photovoltaic Collectors



MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

26 31 00 00-0188	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	39.46	12.76
26 31 00 00-0189	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	40.82	12.76
26 31 00 00-0190	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	34.70	12.76
26 31 00 00-0191	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	35.39	12.76
26 31 00 00-0192	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	37.40	12.76
26 31 00 00-0193	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	36.83	12.76
26 31 00 00-0194	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	77.53	19.14
26 31 00 00-0195	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	77.95	19.14
26 31 00 00-0196	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	79.17	19.14
26 31 00 00-0197	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	77.89	19.14
26 31 00 00-0198	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	16.42	2.55
26 31 00 00-0199	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	10.17	2.55
26 31 00 00-0200	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	20.05	3.82
26 31 00 00-0201	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	20.98	3.82
26 31 00 00-0202	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)	6.02	0.85
Note: Mid or end clamp.				
26 31 00 00-0203	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	28.46	2.55
26 31 00 00-0204	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	1.25	

26 32 Packaged Generator Assemblies (26 30)

26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

26 32 13 13-0001 Diesel Generator Sets (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0586 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA	25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA)	17,256.63	461.67
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,410.70	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,701.38	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,684.24	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,795.78	
26 32 13 13-0003	EA	35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA)	21,909.04	568.43
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,410.70	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,701.38	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,684.24	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,795.78	
26 32 13 13-0004	EA	40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB)	22,546.72	623.26
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,410.70	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,701.38	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,684.24	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,795.78	
26 32 13 13-0005	EA	50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC)	24,194.64	715.59
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,410.70	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,701.38	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,684.24	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,795.78	
26 32 13 13-0006	EA	60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD)	25,834.55	822.36
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,410.70	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,701.38	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,684.24	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,795.78	
26 32 13 13-0007	EA	80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE)	28,806.09	963.74
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,410.70	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,701.38	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,684.24	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,795.78	
26 32 13 13-0008	EA	100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA)	33,713.48	1,119.56
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,173.31	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,361.49	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,142.03	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,860.03	
26 32 13 13-0009	EA	125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB)	34,632.02	1,327.31
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,173.31	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,361.49	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,142.03	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,860.03	
26 32 13 13-0010	EA	150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC)	38,224.92	1,462.94
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,173.31	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,361.49	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,142.03	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,860.03	
26 32 13 13-0011	EA	175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB)	44,435.25	1,633.18
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,173.31	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,361.49	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,142.03	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,860.03	
26 32 13 13-0012	EA	200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC)	47,492.14	1,788.98
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,173.31	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,361.49	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,142.03	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,860.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0013 EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD).....	53,436.54	1,889.98
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,173.31	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,361.49	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,142.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,860.03	
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA).....	55,866.02	1,967.89
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,550.20	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,533.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,691.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,547.85	
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA).....	61,024.01	2,074.66
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,550.20	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,533.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,691.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,547.85	
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB).....	62,213.50	2,166.99
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,550.20	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,533.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,691.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,547.85	
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG).....	70,822.60	2,423.79
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,550.20	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,533.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,691.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,547.85	
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH).....	76,595.93	2,654.63
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,550.20	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,533.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,691.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,547.85	
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ).....	87,199.82	2,859.50
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,550.20	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,533.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,691.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,547.85	
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK).....	92,041.93	3,047.06
For Weather Resistant Steel Diesel Generator Enclosure, Add	33,550.20	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	49,533.08	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	40,691.35	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	60,547.85	
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA).....	135,854.50	3,355.80
For Weather Resistant Steel Diesel Generator Enclosure, Add	68,536.90	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	110,045.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	80,612.75	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	128,201.85	
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB).....	155,790.74	3,690.51
For Weather Resistant Steel Diesel Generator Enclosure, Add	68,536.90	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	110,045.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	80,612.75	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	128,201.85	
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC).....	162,791.30	3,771.31
For Weather Resistant Steel Diesel Generator Enclosure, Add	68,536.90	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	110,045.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	80,612.75	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	128,201.85	
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC).....	199,258.56	4,065.62
For Weather Resistant Steel Diesel Generator Enclosure, Add	68,536.90	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	110,045.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	80,612.75	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	128,201.85	
26 32 13 13-0025 EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD).....	222,197.86	4,328.20
For Weather Resistant Steel Diesel Generator Enclosure, Add	68,536.90	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	110,045.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	80,612.75	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	128,201.85	

26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)

26 32 13 19-0001 Natural Gas Or Propane Generator Sets (26 32 13 19)		
Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0586 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.		
26 32 13 19-0002 EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA).....	13,644.28	386.65
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	3,102.09	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	10,701.38	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	3,359.79	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	5,574.21	
26 32 13 19-0003 EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB).....	15,430.38	461.67
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	3,102.09	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	10,701.38	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	3,359.79	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	5,574.21	
26 32 13 19-0004 EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC).....	16,508.82	513.62
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	3,102.09	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	10,701.38	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	3,359.79	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	5,574.21	

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0005 EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	17,997.82 3,102.09 10,701.38 9,503.50 15,951.06	568.43
26 32 13 19-0006 EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	18,490.34 3,102.09 10,701.38 9,503.50 15,951.06	623.26
26 32 13 19-0007 EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	19,040.38 3,102.09 10,701.38 9,503.50 15,951.06	672.31
26 32 13 19-0008 EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	20,591.56 3,102.09 10,701.38 9,503.50 15,951.06	822.36
26 32 13 19-0009 EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	21,860.63 3,102.09 10,701.38 9,503.50 15,951.06	920.47
26 32 13 19-0010 EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	26,444.24 5,653.74 16,361.49 11,142.03 15,951.06	983.95
26 32 13 19-0011 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	28,670.49 5,653.74 16,361.49 11,142.03 15,951.06	1,108.02
26 32 13 19-0012 EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	36,040.12 5,653.74 16,361.49 11,142.03 15,951.06	1,327.31
26 32 13 19-0013 EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	41,194.68 5,653.74 16,361.49 11,142.03 15,951.06	1,462.94
26 32 13 19-0014 EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	103,250.57 30,171.32 44,531.57 32,988.64 49,502.85	3,891.28
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	110,009.28 30,171.32 44,531.57 32,988.64 49,502.85	1,757.25
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	111,103.15 30,171.32 44,531.57 32,988.64 49,502.85	1,967.89
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	153,805.77 30,171.32 44,531.57 32,988.64 49,502.85	2,166.99
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	154,991.35 30,171.32 44,531.57 32,988.64 49,502.85	2,423.79
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	218,957.50 65,880.24 93,329.69 74,828.55 105,758.69	2,859.50
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	299,233.43 65,880.24 93,329.69 74,828.55 105,758.69	3,047.06
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	314,902.90 65,880.24 93,329.69 74,828.55 105,758.69	3,211.52
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFJA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	359,350.12 65,880.24 93,329.69 74,828.55 105,758.69	3,355.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	375,821.71 65,880.24 93,329.69 74,828.55 105,758.69	3,482.76
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	397,486.80 65,880.24 93,329.69 74,828.55 105,758.69	3,722.25
26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set..... <i>Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.</i>	3,185.75	239.69
26 32 13 19-0027 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set <i>Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.</i>	4,064.22	266.32
26 32 13 19-0028 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set <i>Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.</i>	4,593.32	236.57
26 32 13 26 AC To DC Electrical Conversion (26 32 13)		
26 32 13 26-0001 60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output (26 32 13 26)		
26 32 13 26-0002 EA 3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,322.43	102.08
26 32 13 26-0003 EA 5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,499.76	102.08
26 32 13 26-0004 EA 7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,635.23	102.08
26 32 13 26-0005 EA 10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,703.76	102.08
26 32 13 26-0006 EA 15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,650.95	127.59
26 32 13 26-0007 EA 20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,459.89	127.59
26 32 13 26-0008 EA 25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,957.34	127.59
26 32 13 26-0009 EA 40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	13,332.07	168.42
26 32 13 26-0010 EA 50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,831.77	168.42
26 32 13 26-0011 60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output (26 32 13 26)		
26 32 13 26-0012 EA 3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,174.75	102.08
26 32 13 26-0013 EA 5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,377.92	102.08
26 32 13 26-0014 EA 7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,449.78	102.08
26 32 13 26-0015 EA 10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,686.37	102.08
26 32 13 26-0016 EA 15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,829.94	127.59
26 32 13 26-0017 EA 20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,820.19	127.59
26 32 13 26-0018 EA 25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	11,180.49	127.59
26 32 13 26-0019 EA 40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,278.61	168.42
26 32 13 26-0020 EA 50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,094.52	168.42
26 32 29 Rotary Converters (26 32)		
26 32 29 00-0001 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)		
26 32 29 00-0002 EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	14,443.53	2,019.83
26 32 29 00-0003 EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	15,901.62	2,019.83
26 32 29 00-0004 EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	18,026.40	2,885.47
26 32 29 00-0005 EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	21,172.42	2,885.47
26 32 29 00-0006 EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	24,143.46	2,885.47
26 32 29 00-0007 EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	28,166.96	4,328.20
26 32 29 00-0008 EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	33,929.36	4,328.20
26 32 29 00-0009 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)		
26 32 29 00-0010 EA 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	50,751.80	5,770.93
26 32 29 00-0011 EA 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	55,253.03	5,770.93
26 32 29 00-0012 EA 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	66,537.48	7,502.21
26 32 29 00-0013 EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	75,549.33	9,118.08
26 32 29 00-0014 EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	89,741.88	9,118.08
26 32 29 00-0015 EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	127,584.97	13,619.41
26 32 29 00-0016 EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	131,548.20	13,619.41
26 32 29 00-0017 EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	151,796.04	15,870.07
26 33 Battery Equipment (26 30)		
26 33 13 Batteries (26 33)		
26 33 13 00-0001 Standby Batteries (26 33 13)		
26 33 13 00-0002 EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery.....	651.60	12.79
26 33 13 00-0003 EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	704.65	12.79
26 33 13 00-0004 EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	199.52	12.79
26 33 13 00-0005 EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	180.39	12.79
26 33 13 00-0006 EA 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	316.79	12.79
26 33 13 00-0007 EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	369.65	12.79
26 33 43 Battery Chargers (26 33)		

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 33 43 00-0001		Solid State Chargers, Single Phase <small>(26 33 43)</small> Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	1,694.70	291.64
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	1,995.37	291.64
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,199.51	291.64
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,318.69	345.30
26 33 53		Static Uninterruptible Power Supply <small>(26 33)</small>		
26 33 53 00-0001		Single Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0002		Single Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53 00-0001)</small>		
26 33 53 00-0003		120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120).....	711.97	50.52
		Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120).....	853.30	58.95
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120).....	1,062.51	67.37
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007	EA	1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	1,311.18	75.80
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008	EA	2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120).....	1,709.00	84.22
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009	EA	3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120).....	2,873.72	117.90
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0010		208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA	3 kVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208).....	2,817.97	117.90
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0012		120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA	5 kVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208).....	4,311.23	134.74
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0014	EA	6 kVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	4,706.07	151.58
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015	EA	8 kVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	7,121.02	185.27
		Note: Includes 7 minutes of battery backup at full load.		
26 33 53 00-0016	EA	10 kVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	8,207.75	202.11
		Note: Includes 4-1/2 minutes of battery backup at full load.		
26 33 53 00-0017		230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA	0.7 kVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	853.30	58.95
		Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019	EA	1 kVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,062.51	67.37
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020	EA	1.5 kVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	1,327.65	75.80
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021	EA	2 kVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	1,712.97	84.22
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022	EA	3 kVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	2,886.10	117.90
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023	EA	5 kVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	4,125.06	134.74
		Note: Includes 9 minutes of battery backup at full load.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0024 EA 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	5,093.14	151.58
26 33 53 00-0025 EA 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230)..... Note: Includes 3 minutes of battery backup at full load.	7,941.61	202.11
26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0001)</small>		
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT)..... Note: Rack mount or tower configuration.	519.80	15.32
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT)..... Note: Rack mount or tower configuration.	687.26	15.32
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT)..... Note: Rack mount or tower configuration.	668.62	15.32
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT)..... Note: Rack mount or tower configuration.	447.65	15.32
26 33 53 00-0031 EA Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	589.48	50.52
26 33 53 00-0032 EA Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	640.51	67.37
26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0034 Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53 00-0033)</small>		
26 33 53 00-0035 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0034)</small> Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0036 EA 30 kVA, 24 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA030A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 2-Breaker, Add</i> <i>For 34 Minute Battery, Add</i>	21,225.96 851.43 4,340.72 10,473.19	437.91
26 33 53 00-0037 EA 40 kVA, 32 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA040A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 2-Breaker, Add</i> <i>For 23 Minute Battery, Add</i> <i>For 37 Minute Battery, Add</i>	25,261.02 950.44 4,870.60 11,305.08 12,895.82	538.97
26 33 53 00-0038 EA 50 kVA, 40 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA050A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 2-Breaker, Add</i> <i>For 18 Minute Battery, Add</i> <i>For 28 Minute Battery, Add</i> <i>For 35 Minute Battery, Add</i>	27,716.13 1,073.47 4,870.60 10,575.26 12,977.47 13,795.69	673.71
26 33 53 00-0039 EA 65 kVA, 52 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA065A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 2-Breaker, Add</i> <i>For 12 Minute Battery, Add</i> <i>For 19 Minute Battery, Add</i> <i>For 25 Minute Battery, Add</i> <i>For 30 Minute Battery, Add</i>	31,361.72 1,242.94 5,963.53 11,642.57 13,264.13 14,073.63 18,877.88	842.13
26 33 53 00-0040 EA 80 kVA, 64 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA080A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 3-Breaker, Add</i> <i>For 15 Minute Battery, Add</i> <i>For 19 Minute Battery, Add</i> <i>For 33 Minute Battery, Add</i>	33,188.00 1,242.94 5,963.53 13,340.70 15,359.65 25,297.00	1,010.56
26 33 53 00-0041 EA 100 kVA, 80 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA100A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 3-Breaker, Add</i> <i>For 11 Minute Battery, Add</i> <i>For 17 Minute Battery, Add</i> <i>For 25 Minute Battery, Add</i> <i>For 35 Minute Battery, Add</i>	35,706.71 1,389.52 6,430.25 14,133.76 21,497.53 26,138.54 29,304.21	1,178.98
26 33 53 00-0042 EA 130 kVA, 104 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA130A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 3-Breaker, Add</i> <i>For 11 Minute Battery, Add</i> <i>For 17 Minute Battery, Add</i> <i>For 25 Minute Battery, Add</i> <i>For 30 Minute Battery, Add</i>	38,849.55 1,461.81 6,989.42 19,799.60 23,830.44 31,895.14 38,782.57	1,347.41

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 33 53 00-0043	EA	225 kVA, 180 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA229AAAK).....	49,629.78	1,515.84
		For Customer Alarm Interface, Add	421.16	
		For Alarm Status Contacts, Add	507.39	
		For Maintenance Bypass Interface, Add	593.61	
		For Communication Interface, Add	663.25	
		For Flush Mount Remote Status Panel, Add	835.70	
		For SNMP, Add	1,044.63	
		For Load Bus Sync Board, Add	1,558.64	
		For Input Filter with Disconnect, Add	2,041.49	
		For Isolation Transformer, Add	6,698.88	
		For Two Breaker Matching Maintenance Bypass Cabinet, Add	7,460.96	
		For Load Bus Sync Control Panel With Start Up, Add	7,490.14	
		For Three Breaker Matching Maintenance Bypass Cabinet, Add	8,057.89	
		For VRLA 12 Minute Battery, Add	34,419.58	
		For VRLA 14 Minute Battery, Add	37,142.90	
		For VRLA 22 Minute Battery, Add	46,676.71	
		For VRLA 37 Minute Battery, Add	69,693.53	
26 33 53 00-0044	EA	300 kVA, 240 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA300AAAA).....	64,311.93	1,684.26
		For Customer Alarm Interface, Add	421.16	
		For Alarm Status Contacts, Add	507.39	
		For Maintenance Bypass Interface, Add	593.61	
		For Communication Interface, Add	663.25	
		For Flush Mount Remote Status Panel, Add	835.70	
		For SNMP, Add	1,044.63	
		For Load Bus Sync Board, Add	1,558.64	
		For Input Filter with Disconnect, Add	2,229.20	
		For Load Bus Sync Control Panel With Start Up, Add	7,490.14	
		For Isolation Transformer, Add	7,866.21	
		For Two Breaker Matching Maintenance Bypass Cabinet, Add	8,999.70	
		For Three Breaker Matching Maintenance Bypass Cabinet, Add	10,303.00	
		For VRLA 14 Minute Battery, Add	46,707.33	
		For VRLA 17 Minute Battery, Add	55,517.85	
		For VRLA 26 Minute Battery, Add	69,729.26	
26 33 53 00-0045	EA	500 kVA, 400 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA500AAAA).....	102,513.82	2,021.11
		For Customer Alarm Interface, Add	536.17	
		For Alarm Status Contacts, Add	645.93	
		For Maintenance Bypass Interface, Add	755.69	
		For Communication Interface, Add	844.35	
		For Flush Mount Remote Status Panel, Add	1,063.89	
		For SNMP, Add	1,329.86	
		For Load Bus Sync Board, Add	1,984.23	
		For Input Filter with Disconnect, Add	6,313.13	
		For Two Breaker Maintenance Bypass Switchboard, Add	8,773.67	
		For Load Bus Sync Control Panel With Start Up, Add	9,593.53	
		For 12 Pulse With Isolation Transformer, Add	11,960.87	
		For Three Breaker Maintenance Bypass Switchboard, Add	13,341.61	
		For VRLA 12 Minute Battery, Add	75,213.97	

26 33 53 00-0046 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems (26 33 53 00-0033)

26 33 53 00-0047	EA	Programmable Relay Board For Liebert® Npower™ Uninterruptible Power Supply Systems.....	447.67	25.52
26 33 53 00-0048	EA	Network Interface Card For Liebert® Npower™ Uninterruptible Power Supply Systems.....	741.48	25.52
26 33 53 00-0049	EA	Remote Status Panel With 100' Of Cable For Liebert® Npower™ Uninterruptible Power Supply Systems.....	1,351.87	51.04
26 33 53 00-0050	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Liebert® Npower™ Uninterruptible Power Supply Systems.....	4,085.13	204.15
26 33 53 00-0051	EA	Replacement 12 Volt, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	344.73	25.52
26 33 53 00-0052	EA	Replacement 12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	186.20	25.52
26 33 53 00-0053	EA	Replacement 12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	209.33	25.52
26 33 53 00-0054	EA	Replacement 12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	232.46	25.52
26 33 53 00-0055	EA	Replacement 12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	274.10	25.52
26 33 53 00-0056	EA	Replacement 12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	287.99	25.52
26 33 53 00-0057	EA	Replacement 12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	359.70	25.52
26 33 53 00-0058	EA	Replacement 12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	377.05	25.52

26 33 53 00-0059 Other Uninterruptable Power Supply Equipment (26 33 53)

26 33 53 00-0060	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	3,387.33	46.66
26 33 53 00-0061	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	4,048.59	93.32
26 33 53 00-0062	EA	GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel.....	15.82	2.80
26 33 53 00-0063	EA	GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel.....	29.72	3.49
26 33 53 00-0064	EA	GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel.....	58.11	3.49
26 33 53 00-0065	EA	GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel.....	85.43	4.67
26 33 53 00-0066	EA	GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel.....	122.92	4.67
26 33 53 00-0067	EA	Uninterrupted Power Supply Remote Status Panel.....	2,308.26	46.66
26 33 53 00-0068	EA	Uninterrupted Power Supply Remote Contact Board.....	751.50	35.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 35 Power Filters And Conditioners (26 30)

26 35 33 Power Factor Correction Equipment (26 35)

26 35 33 00-001 Power Factor Correction Capacitors (26 35 33)

26 35 33 00-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	450.24	
26 35 33 00-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	498.66	
26 35 33 00-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	547.07	
26 35 33 00-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	593.55	
26 35 33 00-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	729.10	
26 35 33 00-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	890.80	
26 35 33 00-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	1,375.90	
26 35 33 00-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	1,671.23	
26 35 33 00-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	2,159.23	
26 35 33 00-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	2,455.52	
26 35 33 00-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	4,308.78	
26 35 33 00-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	6,478.66	
26 35 33 00-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	8,638.86	
26 35 33 00-0015	EA	Power Factor Correction Capacitors, Fuse Kit.....	400.86	

26 35 53 Voltage Regulators (26 35)

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	3,475.54	811.51
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	3,897.84	1,020.77
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,286.70	1,214.71

26 36 Transfer Switches (26 30)

26 36 13 Manual Transfer Switches (26 36)

26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)

26 36 13 00-0002	EA	30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	994.99	89.31
26 36 13 00-0003	EA	60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,143.36	110.95

26 36 23 Automatic Transfer Switches (26 36)

26 36 23 00-0001 Automatic Transfer Switch (26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

00-0001

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	1,726.62	186.42
26 36 23 00-0004	EA	225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,362.88	239.69
26 36 23 00-0005	EA	400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,817.60	319.58
26 36 23 00-0006	EA	600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	9,039.35	399.47

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

00-0001

26 36 23 00-0008	EA	40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	3,024.26	133.16
		For NEMA 3R Enclosure, Add	676.10	
		For NEMA 4 Enclosure, Add	715.87	
		For NEMA 12 Enclosure, Add	715.87	
26 36 23 00-0009	EA	70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	3,485.15	159.79
		For NEMA 3R Enclosure, Add	676.10	
		For NEMA 4 Enclosure, Add	715.87	
		For NEMA 12 Enclosure, Add	715.87	
26 36 23 00-0010	EA	125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	3,819.90	186.42
		For NEMA 3R Enclosure, Add	676.10	
		For NEMA 4 Enclosure, Add	715.87	
		For NEMA 12 Enclosure, Add	715.87	
26 36 23 00-0011	EA	150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	4,553.54	213.05
		For NEMA 3R Enclosure, Add	795.41	
		For NEMA 4 Enclosure, Add	1,034.03	
		For NEMA 12 Enclosure, Add	715.87	
26 36 23 00-0012	EA	225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	5,203.31	239.69
		For NEMA 3R Enclosure, Add	795.41	
		For NEMA 4 Enclosure, Add	1,034.03	
		For NEMA 12 Enclosure, Add	715.87	
26 36 23 00-0013	EA	260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	5,740.04	266.32
		For NEMA 3R Enclosure, Add	795.41	
		For NEMA 4 Enclosure, Add	1,034.03	
		For NEMA 12 Enclosure, Add	715.87	
26 36 23 00-0014	EA	300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	5,982.18	292.95
		For NEMA 3R Enclosure, Add	938.58	
		For NEMA 4 Enclosure, Add	1,113.57	
		For NEMA 12 Enclosure, Add	795.41	
26 36 23 00-0015	EA	400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	6,777.81	319.58
		For NEMA 3R Enclosure, Add	938.58	
		For NEMA 4 Enclosure, Add	1,113.57	
		For NEMA 12 Enclosure, Add	795.41	

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 36 Transfer Switches**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 36 23 00-0016	EA	600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	9,329.47	399.47
		<i>For NEMA 3R Enclosure, Add</i>	938.58	
		<i>For NEMA 4 Enclosure, Add</i>	1,113.57	
		<i>For NEMA 12 Enclosure, Add</i>	795.41	
26 36 23 00-0017	EA	800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	10,429.22	479.37
		<i>For NEMA 3R Enclosure, Add</i>	1,153.34	
		<i>For NEMA 4 Enclosure, Add</i>	1,272.66	
		<i>For NEMA 12 Enclosure, Add</i>	1,113.57	
26 36 23 00-0018	EA	1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	13,472.47	639.17
		<i>For NEMA 3R Enclosure, Add</i>	1,153.34	
		<i>For NEMA 4 Enclosure, Add</i>	1,272.66	
		<i>For NEMA 12 Enclosure, Add</i>	1,113.57	
26 36 23 00-0019	EA	1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	17,656.74	692.43
		<i>For NEMA 3R Enclosure, Add</i>	2,545.31	
		<i>For NEMA 4 Enclosure, Add</i>	1,431.73	
		<i>For NEMA 12 Enclosure, Add</i>	1,193.12	
26 36 23 00-0020	EA	1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	18,748.54	798.96
		<i>For NEMA 3R Enclosure, Add</i>	4,136.12	
		<i>For NEMA 4 Enclosure, Add</i>	5,090.60	
		<i>For NEMA 12 Enclosure, Add</i>	4,136.12	
26 36 23 00-0021	EA	2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	21,446.66	905.48
		<i>For NEMA 3R Enclosure, Add</i>	4,136.12	
		<i>For NEMA 4 Enclosure, Add</i>	5,090.60	
		<i>For NEMA 12 Enclosure, Add</i>	4,136.12	
26 36 23 00-0022	EA	3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	25,870.91	1,118.54
		<i>For NEMA 3R Enclosure, Add</i>	4,136.12	
26 36 23 00-0023	EA	4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	45,667.47	1,331.59
		<i>For NEMA 3R Enclosure, Add</i>	19,439.72	
26 36 23 00-0024		Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0025	EA	150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	14,665.78	1,012.01
		<i>For NEMA 3R Enclosure, Add</i>	1,391.97	
		<i>For NEMA 4 Enclosure, Add</i>	1,431.73	
		<i>For NEMA 12 Enclosure, Add</i>	755.64	
26 36 23 00-0026	EA	225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	15,298.95	1,065.28
		<i>For NEMA 3R Enclosure, Add</i>	1,391.97	
		<i>For NEMA 4 Enclosure, Add</i>	1,431.73	
		<i>For NEMA 12 Enclosure, Add</i>	755.64	
26 36 23 00-0027	EA	260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	16,035.57	1,118.54
		<i>For NEMA 3R Enclosure, Add</i>	1,391.97	
		<i>For NEMA 4 Enclosure, Add</i>	1,431.73	
		<i>For NEMA 12 Enclosure, Add</i>	755.64	
26 36 23 00-0028	EA	300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	18,020.38	1,145.17
		<i>For NEMA 3R Enclosure, Add</i>	1,391.97	
		<i>For NEMA 4 Enclosure, Add</i>	1,431.73	
		<i>For NEMA 12 Enclosure, Add</i>	755.64	
26 36 23 00-0029	EA	400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	20,976.79	1,171.80
		<i>For NEMA 3R Enclosure, Add</i>	1,391.97	
		<i>For NEMA 4 Enclosure, Add</i>	1,431.73	
		<i>For NEMA 12 Enclosure, Add</i>	755.64	
26 36 23 00-0030	EA	600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	25,403.81	1,225.06
		<i>For NEMA 3R Enclosure, Add</i>	1,391.97	
		<i>For NEMA 4 Enclosure, Add</i>	1,431.73	
		<i>For NEMA 12 Enclosure, Add</i>	795.41	
26 36 23 00-0031	EA	800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	28,091.42	1,278.33
		<i>For NEMA 3R Enclosure, Add</i>	1,431.73	
		<i>For NEMA 4 Enclosure, Add</i>	1,431.73	
		<i>For NEMA 12 Enclosure, Add</i>	874.95	
26 36 23 00-0032	EA	1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	35,433.90	1,491.39
		<i>For NEMA 3R Enclosure, Add</i>	1,431.73	
		<i>For NEMA 4 Enclosure, Add</i>	1,431.73	
		<i>For NEMA 12 Enclosure, Add</i>	874.95	
26 36 23 00-0033	EA	1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	46,639.21	1,597.91
		<i>For NEMA 3R Enclosure, Add</i>	6,363.25	
		<i>For NEMA 4 Enclosure, Add</i>	7,954.06	
		<i>For NEMA 12 Enclosure, Add</i>	6,363.25	
26 36 23 00-0034	EA	1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	61,358.71	1,704.44
		<i>For NEMA 3R Enclosure, Add</i>	13,521.90	
		<i>For NEMA 4 Enclosure, Add</i>	13,521.90	
		<i>For NEMA 12 Enclosure, Add</i>	12,599.23	
26 36 23 00-0035	EA	2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	69,766.13	1,864.22
		<i>For NEMA 3R Enclosure, Add</i>	13,521.90	
		<i>For NEMA 4 Enclosure, Add</i>	13,521.90	
		<i>For NEMA 12 Enclosure, Add</i>	12,599.23	
26 36 23 00-0036	EA	3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	112,724.07	2,130.54
		<i>For NEMA 3R Enclosure, Add</i>	16,703.51	
26 36 23 00-0037	EA	4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	121,542.98	2,396.87
		<i>For NEMA 3R Enclosure, Add</i>	16,703.51	
26 36 23 00-0038		Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0039	EA	40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	5,031.10	133.16
		<i>For NEMA 3R Enclosure, Add</i>	397.71	
		<i>For NEMA 12 Enclosure, Add</i>	715.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0040 EA 70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	5,422.72	159.79
For NEMA 3R Enclosure, Add	397.71	
For NEMA 12 Enclosure, Add	715.87	
26 36 23 00-0041 EA 125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	5,813.62	186.42
For NEMA 3R Enclosure, Add	397.71	
For NEMA 12 Enclosure, Add	715.87	
26 36 23 00-0042 EA 150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	6,994.26	213.05
For Four Pole Circuit Breaker, Add	1,988.51	
For NEMA 3R Enclosure, Add	397.71	
For NEMA 12 Enclosure, Add	715.87	
26 36 23 00-0043 EA 225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	9,150.61	239.69
For Four Pole Circuit Breaker, Add	1,988.51	
For NEMA 3R Enclosure, Add	397.71	
For NEMA 12 Enclosure, Add	715.87	
26 36 23 00-0044 EA 250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	9,729.65	266.32
For Four Pole Circuit Breaker, Add	1,988.51	
For NEMA 3R Enclosure, Add	397.71	
For NEMA 12 Enclosure, Add	715.87	
26 36 23 00-0045 EA 300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	10,100.14	292.95
For Four Pole Circuit Breaker, Add	2,704.38	
For NEMA 3R Enclosure, Add	1,034.03	
For NEMA 12 Enclosure, Add	795.41	
26 36 23 00-0046 EA 400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	11,443.41	319.58
For Four Pole Circuit Breaker, Add	2,704.38	
For NEMA 3R Enclosure, Add	1,034.03	
For NEMA 12 Enclosure, Add	795.41	
26 36 23 00-0047 EA 600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	13,871.82	399.47
For Four Pole Circuit Breaker, Add	2,704.38	
For NEMA 3R Enclosure, Add	1,034.03	
For NEMA 12 Enclosure, Add	795.41	
26 36 23 00-0048 EA 800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	14,378.71	479.37
For Four Pole Circuit Breaker, Add	3,857.72	
For NEMA 3R Enclosure, Add	1,781.72	
For NEMA 12 Enclosure, Add	1,113.57	
26 36 23 00-0049 EA 1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	16,885.26	639.17
For Four Pole Circuit Breaker, Add	3,857.72	
For NEMA 3R Enclosure, Add	1,781.72	
For NEMA 12 Enclosure, Add	1,113.57	
26 36 23 00-0050 Accessories (26 36 23)		
26 36 23 00-0051 EA Auxiliary Contacts For Automatic Transfer Switch	184.54	
26 36 23 00-0052 EA Battery Charger For Automatic Transfer Switch	1,511.28	
26 36 23 00-0053 EA Elevator Relay Signal For Automatic Transfer Switch	548.83	
26 36 33 Non-Automatic Transfer Switches (26 36)		
26 36 33 00-0001 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 33)		
26 36 33 00-0002 EA 40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	1,984.38	133.16
For NEMA 3R Enclosure, Add	676.10	
For NEMA 12 Enclosure, Add	636.32	
26 36 33 00-0003 EA 70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	2,186.41	159.79
For NEMA 3R Enclosure, Add	676.10	
For NEMA 12 Enclosure, Add	636.32	
26 36 33 00-0004 EA 125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	2,476.67	186.42
For NEMA 3R Enclosure, Add	676.10	
For NEMA 12 Enclosure, Add	636.32	
26 36 33 00-0005 EA 150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	2,269.37	213.05
For NEMA 3R Enclosure, Add	795.41	
For NEMA 12 Enclosure, Add	636.32	
26 36 33 00-0006 EA 225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	3,852.78	239.69
For NEMA 3R Enclosure, Add	795.41	
For NEMA 12 Enclosure, Add	636.32	
26 36 33 00-0007 EA 260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	4,334.82	266.32
For NEMA 3R Enclosure, Add	795.41	
For NEMA 12 Enclosure, Add	636.32	
26 36 33 00-0008 EA 300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	4,824.90	292.95
For NEMA 3R Enclosure, Add	938.58	
For NEMA 12 Enclosure, Add	795.41	
26 36 33 00-0009 EA 400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	5,689.08	319.58
For NEMA 3R Enclosure, Add	938.58	
For NEMA 12 Enclosure, Add	795.41	
26 36 33 00-0010 EA 600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	7,547.24	399.47
For NEMA 3R Enclosure, Add	938.58	
For NEMA 12 Enclosure, Add	795.41	
26 36 33 00-0011 EA 800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	8,461.04	479.37
For NEMA 3R Enclosure, Add	1,153.34	
For NEMA 12 Enclosure, Add	1,113.57	

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 36 Transfer Switches**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 36 33 00-0012	EA	1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	11,171.77	639.17
		<i>For NEMA 3R Enclosure, Add</i>	1,153.34	
		<i>For NEMA 12 Enclosure, Add</i>	1,113.57	

26 40 Electrical And Cathodic Protection ⁽²⁶⁾**26 41 Facility Lightning Protection** ^(26 40)**26 41 13 Lightning Protection For Structures** ^(26 41)

26 41 13 00-0001		Lightning Protection ^(26 41 13)		
26 41 13 00-0002		Air Terminals For Lightning Protection ^(26 41 13 00-0001)		
26 41 13 00-0003		Copper Lightning Protection Air Terminals ^(26 41 13 00-0002)		
26 41 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal.....	39.40	5.11
26 41 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal.....	48.65	5.11
26 41 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal.....	64.33	5.11
26 41 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal.....	71.40	5.11
26 41 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal.....	140.71	10.21

26 41 13 00-0009 Aluminum Lightning Protection Air Terminals ^(26 41 13 00-0002)

26 41 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal.....	25.85	5.11
26 41 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal.....	33.08	5.11
26 41 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal.....	41.61	5.11
26 41 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal.....	46.32	5.11
26 41 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal.....	89.07	10.21

26 41 13 00-0015 Terminal Bases For Lightning Protection ^(26 41 13 00-0001)**26 41 13 00-0016 Copper Lightning Protection Terminal Bases** ^(26 41 13 00-0015)

26 41 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal.....	45.99	15.32
26 41 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal.....	57.26	20.41
26 41 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal.....	79.19	25.52
26 41 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal.....	57.26	20.41
26 41 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal.....	62.43	20.41
26 41 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal.....	108.70	40.83
26 41 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal.....	77.83	25.52
26 41 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal.....	45.99	15.32

26 41 13 00-0025 Aluminum Lightning Protection Terminal Bases ^(26 41 13 00-0015)

26 41 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal.....	36.87	15.32
26 41 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal.....	51.61	20.41
26 41 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal.....	68.64	25.52
26 41 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal.....	51.75	20.41
26 41 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal.....	53.74	20.41
26 41 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	98.06	40.83
26 41 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	82.45	25.52
26 41 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal.....	36.87	15.32

26 41 13 00-0034 Connectors ^(26 41 13 00-0001)**26 41 13 00-0035 Copper Cable Connectors** ^(26 41 13 00-0034)

26 41 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System.....	92.88	25.52
26 41 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System.....	122.67	40.83
26 41 13 00-0038	EA	Beam Connector For Copper Lightning Protection System.....	80.13	25.52
26 41 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System.....	20.26	5.11
26 41 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System.....	21.31	5.11
26 41 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal.....	63.86	15.32

26 41 13 00-0042 Aluminum Cable Connectors ^(26 41 13 00-0034)

26 41 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System.....	74.73	25.52
26 41 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System.....	106.22	40.83
26 41 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System.....	70.48	25.52
26 41 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System.....	16.34	5.11
26 41 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal.....	48.42	15.32

26 41 13 00-0048 Bonding Plates ^(26 41 13 00-0001)**26 41 13 00-0049 Copper Bonding Plates** ^(26 41 13 00-0048)

26 41 13 00-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	67.80	25.52
26 41 13 00-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System.....	70.96	25.52
26 41 13 00-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System.....	103.63	40.83

26 41 13 00-0053 Aluminum Bonding Plates ^(26 41 13 00-0048)

26 41 13 00-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	61.26	25.52
26 41 13 00-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System.....	63.53	25.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13 00-0056 EA 16" Square Bonding Plate For Aluminum Lightning Protection System	92.25	40.83
26 41 13 00-0057 Cable Supports (26 41 13 00-0001)		
26 41 13 00-0058 Copper Cable Supports (26 41 13 00-0057)		
26 41 13 00-0059 EA Cable Supports For Copper Lightning Protection System	11.29	5.11
26 41 13 00-0060 EA Adhesive Cable Supports For Copper Lightning Protection System.....	12.29	5.11
26 41 13 00-0061 Aluminum Cable Supports (26 41 13 00-0057)		
26 41 13 00-0062 EA Cable Supports For Aluminum Lightning Protection System	11.09	5.11
26 41 13 00-0063 EA Adhesive Cable Supports For Aluminum Lightning Protection System.....	11.52	5.11
26 41 13 00-0064 Bonding Straps (26 41 13 00-0001)		
26 41 13 00-0065 Copper Bonding Straps (26 41 13 00-0064)		
26 41 13 00-0066 EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	36.49	15.32
26 41 13 00-0067 Aluminum Bonding Straps (26 41 13 00-0064)		
26 41 13 00-0068 EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System.....	32.05	15.32
26 41 13 00-0069 Accessories For Lightning Protection (26 41 13 00-0001) See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
26 41 13 00-0070 Copper Adapters (26 41 13 00-0069)		
26 41 13 00-0071 EA Swivel Adapters For Copper Lightning Protection System.....	16.66	2.55
26 41 13 00-0072 Aluminum Adapters (26 41 13 00-0069)		
26 41 13 00-0073 EA Swivel Adapters For Aluminum Lightning Protection System	13.15	2.55
26 41 13 00-0074 EA Floor Ground Receptacle For Aluminum Lightning Protection System.....	94.20	25.52
26 41 23 Lightning Protection Surge Arresters And Suppressors (26 41)		
26 41 23 00-0001 Surge And Lightning Arrestors (26 41 23)		
26 41 23 00-0002 Metal Top Intermediate Type IMX (26 41 23 00-0001) Note: For outdoor construction, single phase.		
26 41 23 00-0003 EA 3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	668.80	122.78
26 41 23 00-0004 EA 4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	734.64	122.78
26 41 23 00-0005 EA 6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	734.64	122.78
26 41 23 00-0006 EA 7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	856.92	122.78
26 41 23 00-0007 EA 9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	856.92	122.78
26 41 23 00-0008 EA 10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	958.50	122.78
26 41 23 00-0009 EA 12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	958.50	122.78
26 41 23 00-0010 EA 15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,320.87	153.47
26 41 23 00-0011 EA 18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,373.54	153.47
26 41 23 00-0012 EA 21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,494.92	184.17
26 41 23 00-0013 EA 24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,630.36	184.17
26 41 23 00-0014 EA 27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,970.84	184.17
26 41 23 00-0015 Porcelain Top Intermediate Type IMX (26 41 23 00-0001) Note: For cubicle mounting, single phase.		
26 41 23 00-0016 EA 3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	668.80	122.78
26 41 23 00-0017 EA 4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	734.64	122.78
26 41 23 00-0018 EA 6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	734.64	122.78
26 41 23 00-0019 EA 7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	856.92	122.78
26 41 23 00-0020 EA 9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	856.92	122.78
26 41 23 00-0021 EA 10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	958.50	122.78
26 41 23 00-0022 EA 12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	958.50	122.78
26 41 23 00-0023 EA 15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,320.87	153.47
26 41 23 00-0024 EA 18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,373.54	153.47
26 41 23 00-0025 EA 21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,494.92	184.17
26 41 23 00-0026 EA 24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,630.36	184.17
26 41 23 00-0027 EA 27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,970.84	184.17
26 41 23 00-0028 IMX Accessories (26 41 23 00-0001)		
26 41 23 00-0029 EA 1 Crossarm Bracket Reversible 3-27 KV IMX	533.36	122.78
26 41 23 00-0030 EA Single Unit Horizontal Pole Mounted Bracket (IMX)	525.84	122.78
26 41 23 00-0031 EA 3 Unit Horizontal Pole Mounted Bracket (IMX)	469.48	122.78
26 41 23 00-0032 Lightning Arrestor And Cutouts (26 41 23 00-0001)		
26 41 23 00-0033 EA 3 KV La Distribution Class, Lightning Arrestor	322.68	122.78
26 41 23 00-0034 EA 3 KV La Interior Class, Lightning Arrestor.....	718.92	122.78
26 41 23 00-0035 EA 3 KV La Station Class, Lightning Arrestor.....	668.80	122.78
26 41 23 00-0036 EA 9 KV La Distribution Class, Lightning Arrestor.....	364.06	122.78
26 41 23 00-0037 EA 9 KV La Interior Class, Lightning Arrestor.....	828.62	122.78



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41	23 00-0038	EA	9 KV La Station Class, Lightning Arrestor.....	856.92	122.78
26 41	23 00-0039	EA	5 KV Enclosed Fused Cutout.....	428.40	122.78
26 41	23 00-0040	EA	15 KV Open Fused Cutout.....	444.26	153.47
26 41	23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor.....	342.29	122.78
26 41	23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor.....	887.26	122.78

26 43 Surge Protective Devices (26 40)

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits (26 43)

26 43 13 00-0001	25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>				
	Note: Liebert LPL				
26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	193.12	12.76	
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	210.12	12.76	
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	215.22	15.32	
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	183.15	10.21	
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	215.22	15.32	
26 43 13 00-0007	50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>				
	Note: Liebert LPL				
26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	276.92	12.76	
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	291.74	15.32	
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	286.64	12.76	
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	291.74	15.32	
26 43 13 00-0012	100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>				
	Note: Liebert LPL				
26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	340.08	12.76	
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	354.89	15.32	
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	320.39	10.21	
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	354.89	15.32	
26 43 13 00-0017	100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>				
	Note: Liebert LPM				
26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	405.66	12.76	
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	455.70	15.32	
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	387.19	10.21	
26 43 13 00-0021	160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>				
	Note: Liebert LPM				
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	728.96	15.32	
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	723.86	12.76	
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	728.96	15.32	
26 43 13 00-0025	250 kA, 500 Joule Transient Voltage Surge Suppression <small>(26 43 13)</small>				
	Note: Liebert Interceptor Hybrid.				
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	4,336.18	25.52	
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	5,307.78	25.52	
26 43 13 00-0028	Class 1310 Transient Voltage Surge Suppression <small>(26 43 13)</small>				
	Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.				
26 43 13 00-0029	NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small>				
	Note: Square D. EMA series.				
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,416.28	66.35	
		<i>For Integral Disconnect, Add</i>	438.87		
		<i>For Surge Counter, Add</i>	335.40		
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,761.70	76.56	
		<i>For Integral Disconnect, Add</i>	438.87		
		<i>For Surge Counter, Add</i>	335.40		
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,537.91	89.31	
		<i>For Integral Disconnect, Add</i>	438.87		
		<i>For Surge Counter, Add</i>	335.40		
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,398.57	102.08	
		<i>For Integral Disconnect, Add</i>	438.87		
		<i>For Surge Counter, Add</i>	335.40		
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,967.83	140.36	
		<i>For Integral Disconnect, Add</i>	438.87		
		<i>For Surge Counter, Add</i>	335.40		
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,570.12	66.35	
		<i>For Integral Disconnect, Add</i>	438.87		
		<i>For Surge Counter, Add</i>	335.40		
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,930.70	76.56	
		<i>For Integral Disconnect, Add</i>	438.87		
		<i>For Surge Counter, Add</i>	335.40		
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,799.00	89.31	
		<i>For Integral Disconnect, Add</i>	438.87		
		<i>For Surge Counter, Add</i>	335.40		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0038	EA		320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,737.66	102.08
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0039	EA		480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,491.09	140.36
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0040	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,570.12	66.35
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0041	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,930.70	76.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0042	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,798.97	89.31
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0043	EA		320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,737.66	102.08
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0044	EA		480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,491.09	140.36
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0045	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,723.97	66.35
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0046	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,101.87	76.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0047	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,062.24	89.31
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0048	EA		320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,078.94	102.08
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0049	EA		480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,016.47	140.36
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0050	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,902.72	66.35
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0051	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,279.56	76.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0052	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,337.41	89.31
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0053	EA		320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,436.44	102.08
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0054	EA		480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,823.06	140.36
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0055			NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ⁽²⁶		
			<small>43 13 00-0028)</small>		
			Note: Square D EBA series.		
26 43 13 00-0056	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,636.30	66.35
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0057	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,191.89	76.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0058	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,721.08	89.31
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0059	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,724.05	66.35
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0060	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,321.89	76.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0061	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,891.16	89.31
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0062	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,724.05	66.35
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0063	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,321.89	76.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0064	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,891.16	89.31
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0065	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	2,835.64	66.35
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0066	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,461.64	76.56
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0067	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,108.91 438.87 335.40	89.31
26 43 13 00-0068	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,952.64 438.87 335.40	66.35
26 43 13 00-0069	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,610.06 438.87 335.40	76.56
26 43 13 00-0070	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,337.49 438.87 335.40	89.31
26 43 13 00-0071			NEMA 4X Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028) Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,440.03 438.87 335.40	66.35
26 43 13 00-0073	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,785.45 438.87 335.40	76.56
26 43 13 00-0074	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,561.66 438.87 335.40	89.31
26 43 13 00-0075	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,593.87 438.87 335.40	66.35
26 43 13 00-0076	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,954.45 438.87 335.40	76.56
26 43 13 00-0077	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,822.75 438.87 335.40	89.31
26 43 13 00-0078	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,593.87 438.87 335.40	66.35
26 43 13 00-0079	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,954.45 438.87 335.40	76.56
26 43 13 00-0080	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,822.72 438.87 335.40	89.31
26 43 13 00-0081	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,747.72 438.87 335.40	66.35
26 43 13 00-0082	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,125.62 438.87 335.40	76.56
26 43 13 00-0083	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,086.00 438.87 335.40	89.31
26 43 13 00-0084	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,926.47 438.87 335.40	66.35
26 43 13 00-0085	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,303.31 438.87 335.40	76.56
26 43 13 00-0086	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,361.16 438.87 335.40	89.31
26 43 13 00-0087			NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028) Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,660.05 438.87 335.40	66.35
26 43 13 00-0089	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,215.64 438.87 335.40	76.56
26 43 13 00-0090	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,744.83 438.87 335.40	89.31
26 43 13 00-0091	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,747.80 438.87 335.40	66.35
26 43 13 00-0092	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,345.64 438.87 335.40	76.56
26 43 13 00-0093	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,914.91 438.87 335.40	89.31
26 43 13 00-0094	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,747.80 438.87 335.40	66.35



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0095	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,345.64 438.87 335.40	76.56
26 43 13 00-0096	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,914.91 438.87 335.40	89.31
26 43 13 00-0097	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,859.39 438.87 335.40	66.35
26 43 13 00-0098	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,485.40 438.87 335.40	76.56
26 43 13 00-0099	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,132.66 438.87 335.40	89.31
26 43 13 00-0100	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,976.39 438.87 335.40	66.35
26 43 13 00-0101	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,633.81 438.87 335.40	76.56
26 43 13 00-0102	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,361.24 438.87 335.40	89.31

26 50 Lighting ⁽²⁶⁾

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting Fixtures, Lamps, and Ballasts ^(26 50)

26 51 13 Interior Lighting Fixtures, Lamps, And Ballasts ^(26 51)

26 51 13 00-0001			Fluorescent Fixtures ^(26 51 13)		
26 51 13 00-0002			Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0001)		
26 51 13 00-0003			6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0002)		
26 51 13 00-0004	EA		1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	89.54	14.60
26 51 13 00-0005	EA		2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	101.53	14.60
26 51 13 00-0006			6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0002)		
26 51 13 00-0007	EA		1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	100.65	15.21
26 51 13 00-0008	EA		2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	112.87	15.21
26 51 13 00-0009			1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0002)		
26 51 13 00-0010	EA		2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	120.08	17.08
26 51 13 00-0011	EA		3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	143.27	17.08
26 51 13 00-0012	EA		4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	168.84	17.08
26 51 13 00-0013			2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0002)		
26 51 13 00-0014	EA		2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	97.75	18.67
26 51 13 00-0015	EA		3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	114.30	18.67
26 51 13 00-0016			2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0002)		
26 51 13 00-0017	EA		2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	153.99	21.74
26 51 13 00-0018	EA		3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	165.89	21.74
26 51 13 00-0019	EA		4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	189.05	21.74
26 51 13 00-0020			Surface Mounted, Box Type Fluorescent Fixtures ^(26 51 13 00-0001)		
			Note: Includes prismatic lens.		
26 51 13 00-0021			1' x 4', Surface Mounted, Box Type Fluorescent Fixtures ^(26 51 13 00-0020)		
26 51 13 00-0022	EA		2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	119.37	16.94
26 51 13 00-0023	EA		3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	198.02	16.94
26 51 13 00-0024	EA		4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	226.43	16.94
26 51 13 00-0025			2' x 2', Surface Mounted, Box Type Fluorescent Fixtures ^(26 51 13 00-0020)		
26 51 13 00-0026	EA		2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	191.92	18.67
26 51 13 00-0027	EA		3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	210.53	18.67
26 51 13 00-0028	EA		4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	224.05	18.67
26 51 13 00-0029			2' x 4', Surface Mounted, Box Type Fluorescent Fixtures ^(26 51 13 00-0020)		
26 51 13 00-0030	EA		2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	191.89	21.74
26 51 13 00-0031	EA		3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	210.82	21.74
26 51 13 00-0032	EA		4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	221.00	21.74
26 51 13 00-0033	EA		6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	236.23	21.74

26 Electrical**26 50 Lighting****26 51 Interior Lighting Fixtures, Lamps, and Ballasts**

MINOR		TOTAL DIRECT		DEMOLITION		
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT	COST
26 51 13 00-0034		4' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 13 00-0020)</small>				
26 51 13 00-0035	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture		386.08		28.00
26 51 13 00-0036	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture		391.54		28.00
26 51 13 00-0037	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture		679.04		28.00
26 51 13 00-0038		Recessed Fluorescent Fixtures <small>(26 51 13 00-0001)</small>				
26 51 13 00-0039		Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0038)</small>				
26 51 13 00-0040		1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 13 00-0039)</small>				
26 51 13 00-0041	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		118.03		14.60
		<i>For Drywall Or Plaster Ceilings, Add</i>		9.87		
26 51 13 00-0042		1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 13 00-0039)</small>				
26 51 13 00-0043	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		151.45		16.94
		<i>For Drywall Or Plaster Ceilings, Add</i>		11.55		
26 51 13 00-0044	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		280.01		16.94
		<i>For Drywall Or Plaster Ceilings, Add</i>		11.55		
26 51 13 00-0045		2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 13 00-0039)</small>				
26 51 13 00-0046	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		155.11		18.67
		<i>For Drywall Or Plaster Ceilings, Add</i>		12.60		
26 51 13 00-0047	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		177.92		18.67
		<i>For Drywall Or Plaster Ceilings, Add</i>		12.60		
26 51 13 00-0048	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		181.06		18.67
		<i>For Drywall Or Plaster Ceilings, Add</i>		12.60		
26 51 13 00-0049	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		196.35		18.67
		<i>For Drywall Or Plaster Ceilings, Add</i>		12.60		
26 51 13 00-0050		2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 13 00-0039)</small>				
26 51 13 00-0051	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		148.98		21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>		14.70		
26 51 13 00-0052	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		206.39		21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>		14.70		
26 51 13 00-0053	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		209.12		21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>		14.70		
26 51 13 00-0054	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		233.51		21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>		14.70		
26 51 13 00-0055	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		205.04		21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>		14.70		
26 51 13 00-0056	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		280.39		21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>		14.70		
26 51 13 00-0057	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture		289.12		21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>		14.70		
26 51 13 00-0058		Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0058)</small>				
26 51 13 00-0059		1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0058)</small>				
26 51 13 00-0060	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture		135.92		14.60
		<i>For Drywall Or Plaster Ceilings, Add</i>		9.87		
26 51 13 00-0061	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture		139.06		14.60
		<i>For Drywall Or Plaster Ceilings, Add</i>		9.87		
26 51 13 00-0062	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture		163.22		14.60
		<i>For Drywall Or Plaster Ceilings, Add</i>		9.87		
26 51 13 00-0063		1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0058)</small>				
26 51 13 00-0064	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture		153.52		16.94
		<i>For Drywall Or Plaster Ceilings, Add</i>		11.55		
26 51 13 00-0065	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture		156.25		16.94
		<i>For Drywall Or Plaster Ceilings, Add</i>		11.55		
26 51 13 00-0066	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture		176.26		16.94
		<i>For Drywall Or Plaster Ceilings, Add</i>		11.55		
26 51 13 00-0067		2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0058)</small>				
26 51 13 00-0068	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture		159.68		18.67
		<i>For Drywall Or Plaster Ceilings, Add</i>		12.60		
26 51 13 00-0069	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture		162.82		18.67
		<i>For Drywall Or Plaster Ceilings, Add</i>		12.60		
26 51 13 00-0070	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture		186.64		18.67
		<i>For Drywall Or Plaster Ceilings, Add</i>		12.60		
26 51 13 00-0071		2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0058)</small>				
26 51 13 00-0072	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture		148.98		21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>		14.70		
26 51 13 00-0073	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture		173.88		21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>		14.70		



Electrical	26	26
Lighting	26 50	
Interior Lighting Fixtures, Lamps, and Ballasts	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0074 EA 4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	197.55 14.70	21.74
26 51 13 00-0075 EA 6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	224.04 14.70	21.74
26 51 13 00-0076 Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0038)		
26 51 13 00-0077 1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0076)		
26 51 13 00-0078 EA 1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	285.41 11.55	16.94
26 51 13 00-0079 EA 2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	288.14 11.55	16.94
26 51 13 00-0080 EA 1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	341.14 11.55	16.94
26 51 13 00-0081 EA 2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	349.86 11.55	16.94
26 51 13 00-0082 2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0076)		
26 51 13 00-0083 EA 2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	229.24 12.60	18.67
26 51 13 00-0084 EA 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	256.28 12.60	18.67
26 51 13 00-0085 EA 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	316.81 12.60	18.67
26 51 13 00-0086 2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0076)		
26 51 13 00-0087 EA 2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	255.18 14.70	21.74
26 51 13 00-0088 EA 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	314.69 14.70	21.74
26 51 13 00-0089 EA 1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	336.25 14.70	21.74
26 51 13 00-0090 EA 2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	372.16 14.70	21.74
26 51 13 00-0091 Volumetric, Recessed Fluorescent Fixtures (26 51 13 00-0038)		
26 51 13 00-0092 1' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 13 00-0091)		
26 51 13 00-0093 EA 2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	223.09 11.55	16.94
26 51 13 00-0094 EA 2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	294.54 11.55	16.94
26 51 13 00-0095 2' x 2', Volumetric, Recessed Fluorescent Fixtures (26 51 13 00-0091)		
26 51 13 00-0096 EA 2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	222.57 12.60	18.67
26 51 13 00-0097 EA 2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	254.51 12.60	18.67
26 51 13 00-0098 2' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 13 00-0091)		
26 51 13 00-0099 EA 2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	246.98 14.70	21.74
26 51 13 00-0100 EA 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	247.51 14.70	21.74
26 51 13 00-0101 Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0038)		
26 51 13 00-0102 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0101)		
26 51 13 00-0103 EA 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	208.77 11.55	16.94
26 51 13 00-0104 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0101)		
26 51 13 00-0105 EA 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	201.85 12.60	18.67
26 51 13 00-0106 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0101)		
26 51 13 00-0107 EA 2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	241.67 14.70	21.74
26 51 13 00-0108 EA 3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	321.50 14.70	21.74
26 51 13 00-0109 EA 4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	277.54 14.70	21.74

26 Electrical**26 50 Lighting****26 51 Interior Lighting Fixtures, Lamps, and Ballasts**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 13 00-0110		Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 13 00-0038)		
26 51 13 00-0111		1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 13 00-0110)		
26 51 13 00-0112	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	199.07 11.55	16.94
26 51 13 00-0113		2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 13 00-0110)		
26 51 13 00-0114	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	201.62 12.60	18.67
26 51 13 00-0115		2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 13 00-0110)		
26 51 13 00-0116	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	247.12 14.70	21.74
26 51 13 00-0117	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	251.74 14.70	21.74
26 51 13 00-0118	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	258.49 14.70	21.74
26 51 13 00-0119		Striplight Fluorescent Fixtures ^(26 51 13 00-0001)		
26 51 13 00-0120		1 Lamp Cross Section, Striplight Fluorescent Fixtures ^(26 51 13 00-0119)		
26 51 13 00-0121	EA	1 T8 Lamp, 1-1/2' Length, Striplight Fluorescent Fixture	87.27	14.00
26 51 13 00-0122	EA	1 T8 Lamp, 2' Length, Striplight Fluorescent Fixture	106.60	14.00
26 51 13 00-0123	EA	1 T8 Lamp, 3' Length, Striplight Fluorescent Fixture	105.32	15.53
26 51 13 00-0124	EA	1 T8 Lamp, 4' Length, Striplight Fluorescent Fixture	106.66	17.08
26 51 13 00-0125	EA	1 T8 Lamp, 8' Length, Striplight Fluorescent Fixture	127.68	18.48
26 51 13 00-0126		2 Lamp Cross Section, Striplight Fluorescent Fixtures ^(26 51 13 00-0119)		
26 51 13 00-0127	EA	2 T8 Lamps, 2' Length, Striplight Fluorescent Fixture	107.86	15.53
26 51 13 00-0128	EA	2 T8 Lamps, 3' Length, Striplight Fluorescent Fixture	111.39	17.08
26 51 13 00-0129	EA	2 T8 Lamps, 4' Length, Striplight Fluorescent Fixture	111.72	18.67
26 51 13 00-0130		3 Lamp Cross Section, Striplight Fluorescent Fixtures ^(26 51 13 00-0119)		
26 51 13 00-0131	EA	3 T8 Lamps, 2' Length, Striplight Fluorescent Fixture	156.21	15.53
26 51 13 00-0132	EA	3 T8 Lamps, 3' Length, Striplight Fluorescent Fixture	151.93	17.08
26 51 13 00-0133	EA	3 T8 Lamps, 4' Length, Striplight Fluorescent Fixture	151.26	18.67
26 51 13 00-0134		Industrial Fluorescent Fixtures ^(26 51 13 00-0001)		
26 51 13 00-0135		1 Lamp Cross Section, Industrial Fluorescent Fixtures ^(26 51 13 00-0134)		
26 51 13 00-0136	EA	1 T8 Lamp, 2' Length, Industrial Fluorescent Fixture	124.48	14.00
26 51 13 00-0137	EA	1 T8 Lamp, 4' Length, Industrial Fluorescent Fixture	130.79	17.08
26 51 13 00-0138	EA	1 T8 Lamp, 8' Length, Industrial Fluorescent Fixture	237.31	21.74
26 51 13 00-0139		2 Lamp Cross Section, Industrial Fluorescent Fixtures ^(26 51 13 00-0134)		
26 51 13 00-0140	EA	2 T8 Lamps, 2' Length, Industrial Fluorescent Fixture	129.94	15.53
26 51 13 00-0141	EA	2 T8 Lamps, 4' Length, Industrial Fluorescent Fixture	135.86	18.67
26 51 13 00-0142	EA	2 T8 Lamps, 8' Length, Industrial Fluorescent Fixture	242.77	21.74
26 51 13 00-0143		3 Lamp Cross Section, Industrial Fluorescent Fixtures ^(26 51 13 00-0134)		
26 51 13 00-0144	EA	3 T8 Lamps, 2' Length, Industrial Fluorescent Fixture	136.23	15.53
26 51 13 00-0145	EA	3 T8 Lamps, 4' Length, Industrial Fluorescent Fixture	140.95	18.67
26 51 13 00-0146	EA	3 T8 Lamps, 8' Length, Industrial Fluorescent Fixture	212.48	21.74
26 51 13 00-0147		4 Lamp Cross Section, Industrial Fluorescent Fixtures ^(26 51 13 00-0134)		
26 51 13 00-0148	EA	4 T8 Lamps, 4' Length, Industrial Fluorescent Fixture	191.95	18.67
26 51 13 00-0149	EA	4 T8 Lamps, 8' Length, Industrial Fluorescent Fixture	281.03	21.74
26 51 13 00-0150		Corner Mounted, Fluorescent Fixtures ^(26 51 13 00-0001) Note: Includes acrylic drop dish diffuser.		
26 51 13 00-0151		2' Length, Corner Mounted, Fluorescent Fixtures ^(26 51 13 00-0150)		
26 51 13 00-0152	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	121.82	14.00
26 51 13 00-0153	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	136.71	14.00
26 51 13 00-0154		3' Length, Corner Mounted, Fluorescent Fixtures ^(26 51 13 00-0150)		
26 51 13 00-0155	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	139.52	14.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0156 EA 2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture.....	153.83	14.70
26 51 13 00-0157 4' Length, Corner Mounted, Fluorescent Fixtures (26 51 13 00-0150)		
26 51 13 00-0158 EA 1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture.....	136.32	15.39
26 51 13 00-0159 EA 2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture.....	150.17	15.39
26 51 13 00-0160 Wall Bracket, Fluorescent Fixtures (26 51 13 00-0001)		
26 51 13 00-0161 Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0160) Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0162 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0161)		
26 51 13 00-0163 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	208.99	23.48
26 51 13 00-0164 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	211.66	23.48
26 51 13 00-0165 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0161)		
26 51 13 00-0166 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	299.12	23.48
26 51 13 00-0167 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	302.85	23.48
26 51 13 00-0168 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0161)		
26 51 13 00-0169 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	314.57	23.48
26 51 13 00-0170 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	317.24	23.48
26 51 13 00-0171 Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 13 00-0160) Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0172 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 13 00-0171)		
26 51 13 00-0173 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	353.77	23.48
26 51 13 00-0174 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	356.44	23.48
26 51 13 00-0175 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 13 00-0171)		
26 51 13 00-0176 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	273.44	23.48
26 51 13 00-0177 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	277.17	23.48
26 51 13 00-0178 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 13 00-0171)		
26 51 13 00-0179 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	318.96	23.48
26 51 13 00-0180 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	321.63	23.48
26 51 13 00-0181 Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 13 00-0160) Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0182 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 13 00-0181)		
26 51 13 00-0183 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	195.87	23.48
26 51 13 00-0184 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	198.54	23.48
26 51 13 00-0185 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 13 00-0181)		
26 51 13 00-0186 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	196.93	23.48
26 51 13 00-0187 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	200.67	23.48
26 51 13 00-0188 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 13 00-0181)		
26 51 13 00-0189 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	185.82	23.48
26 51 13 00-0190 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	188.49	23.48
26 51 13 00-0191 Low Occupancy, Industrial Fluorescent Fixtures (26 51 13 00-0001)		
26 51 13 00-0192 EA 1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	298.94	17.08
26 51 13 00-0193 EA 2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	301.27	18.67
26 51 13 00-0194 Accessories And Modifiers For Fluorescent Fixtures (26 51 13 00-0001)		
26 51 13 00-0195 Lens Modifications (26 51 13 00-0194)		
26 51 13 00-0196 EA For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	20.65	
26 51 13 00-0197 EA For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	25.50	
26 51 13 00-0198 EA For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	26.72	
26 51 13 00-0199 EA For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	29.15	
26 51 13 00-0200 EA For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	35.22	
26 51 13 00-0201 EA For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	8.50	
26 51 13 00-0202 EA For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	12.14	
26 51 13 00-0203 EA For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	13.36	
26 51 13 00-0204 EA For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	15.79	

26 Electrical**26 50 Lighting****26 51 Interior Lighting Fixtures, Lamps, and Ballasts**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 13 00-0205	Pendant Mounting Modifications <small>(26 51 13 00-0194)</small>			
	Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.			
26 51 13 00-0206	EA	For Pendant Mounting Up to 1'-6" Long Section.....	9.23	
		Note: Per pendant.		
26 51 13 00-0207	EA	For Pendant Mounting 2' Long Section.....	10.69	
		Note: Per pendant.		
26 51 13 00-0208	EA	For Pendant Mounting 3' Long Section.....	13.68	
		Note: Per pendant.		
26 51 13 00-0209	EA	For Pendant Mounting 4' Long Section.....	16.15	
		Note: Per pendant.		
26 51 13 00-0210	EA	For Pendant Mounting 6' Long Section.....	20.40	
		Note: Per pendant.		
26 51 13 00-0211	EA	For Pendant Mounting 8' Long Section.....	27.69	
		Note: Per pendant.		
26 51 13 00-0212	LED Fixtures <small>(26 51 13)</small>			
26 51 13 00-0213	Undercabinet LED Fixtures <small>(26 51 13 00-0212)</small>			
26 51 13 00-0214	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	106.75	12.60
26 51 13 00-0215	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	137.01	15.39
26 51 13 00-0216	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	156.47	15.39
26 51 13 00-0217	Striplight LED Fixtures <small>(26 51 13 00-0212)</small>			
26 51 13 00-0218	Striplight LED Fixtures <small>(26 51 13 00-0217)</small>			
26 51 13 00-0219	EA	2' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia ZL1).....	231.74	14.00
26 51 13 00-0220	EA	4' Length, 2,800 Lumens, LED Striplight Fixture (Lithonia ZL1).....	236.41	17.08
26 51 13 00-0221	EA	2' Length, 1,400 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	231.22	14.00
26 51 13 00-0222	EA	4' Length, 2,300 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	235.89	17.08
26 51 13 00-0223	EA	4' Length, 4,600 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	310.28	17.08
26 51 13 00-0224	Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0212)</small>			
26 51 13 00-0225	Prismatic Lensed, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0224)</small>			
26 51 13 00-0226	Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0225)</small>			
26 51 13 00-0227	EA	4,300 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	414.07	21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>	14.70	
26 51 13 00-0228	EA	3,300 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	326.81	18.67
		<i>For Drywall Or Plaster Ceilings, Add</i>	12.60	
26 51 13 00-0229	EA	4,600 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	397.06	21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>	14.70	
26 51 13 00-0230	Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) <small>(26 51 13 00-0225)</small>			
26 51 13 00-0231	EA	3,200 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	466.16	21.74
26 51 13 00-0232	EA	3,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	318.72	18.67
26 51 13 00-0233	EA	4,175 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	417.33	21.74
26 51 13 00-0234	Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) <small>(26 51 13 00-0225)</small>			
26 51 13 00-0235	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	208.51	18.67
26 51 13 00-0236	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	231.80	18.67
26 51 13 00-0237	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	195.70	18.67
26 51 13 00-0238	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	195.70	18.67
26 51 13 00-0239	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	210.84	18.67
26 51 13 00-0240	Volumetric, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0224)</small>			
26 51 13 00-0241	Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0240)</small>			
26 51 13 00-0242	EA	2,500 Lumens, 1' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	404.65	16.94
		<i>For Drywall Or Plaster Ceilings, Add</i>	11.55	
26 51 13 00-0243	EA	2,400 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	346.72	18.67
		<i>For Drywall Or Plaster Ceilings, Add</i>	12.60	
26 51 13 00-0244	EA	3,300 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	354.40	18.67
		<i>For Drywall Or Plaster Ceilings, Add</i>	12.60	
26 51 13 00-0245	EA	4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	385.36	21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>	14.70	
26 51 13 00-0246	EA	4,800 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	411.65	21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>	14.70	
26 51 13 00-0247	EA	2,400 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	322.34	21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>	14.70	
26 51 13 00-0248	EA	4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	322.34	21.74
		<i>For Drywall Or Plaster Ceilings, Add</i>	14.70	
26 51 13 00-0249	Architectural, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0224)</small>			
26 51 13 00-0250	Architectural, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 13 00-0249)</small>			
	Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.			



Electrical	26	26
Lighting	26 50	
Interior Lighting Fixtures, Lamps, and Ballasts	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0251	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)..... <i>For Drywall Or Plaster Ceilings, Add</i>	370.04 14.70	21.74
26 51	13 00-0252	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)..... <i>For Drywall Or Plaster Ceilings, Add</i>	445.95 14.70	21.74
26 51	13 00-0253	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)..... <i>For Drywall Or Plaster Ceilings, Add</i>	514.27 14.70	21.74
26 51 13 00-0254 Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) <small>(26 51 13 00-0249)</small>					
Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.					
26 51	13 00-0255	EA	2,200 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	288.16 3.15 75.36 157.08	21.74
26 51	13 00-0256	EA	3,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	313.27 3.15 75.36 157.08	21.74
26 51	13 00-0257	EA	4,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	313.27 3.15 75.36 157.08	21.74
26 51	13 00-0258	EA	5,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	350.28 3.15 75.36 157.08	21.74
26 51	13 00-0259	EA	2,000 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	257.06 3.15 66.20 148.28	18.67
26 51	13 00-0260	EA	3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	253.09 3.15 66.20 148.28	18.67
26 51	13 00-0261	EA	2,200 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	288.16 3.15 77.61 171.68	21.74
26 51	13 00-0262	EA	3,100 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	313.27 3.15 77.61 171.68	21.74
26 51	13 00-0263	EA	4,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	313.27 3.15 77.61 171.68	21.74
26 51	13 00-0264	EA	4,000 Lumens, High Efficiency, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (CREE® CR24™)..... <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	407.12 3.15 77.61 171.68	21.74
26 51	13 00-0265	EA	5,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	350.28 3.15 77.61 171.68	21.74
26 51 13 00-0266 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) <small>(26 51 13 00-0249)</small>					
Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.					
26 51	13 00-0267	EA	2,500 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	271.20	18.67
26 51	13 00-0268	EA	4,700 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	367.64	21.74
26 51 13 00-0269 Shadow Box Style, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0224)</small>					
26 51 13 00-0270 Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) <small>(26 51 13 00-0269)</small>					
26 51	13 00-0271	EA	3,300 Lumens, 2' x 2', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)..... <i>For Drywall Or Plaster Ceilings, Add</i>	334.59 12.60	18.67
26 51	13 00-0272	EA	4,600 Lumens, 2' x 4', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)..... <i>For Drywall Or Plaster Ceilings, Add</i>	459.36 14.70	21.74
26 51 13 00-0273 Panel Type, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0224)</small>					
26 51 13 00-0274 Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) <small>(26 51 13 00-0273)</small>					
26 51	13 00-0275	EA	3,100 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	225.52	21.74
26 51	13 00-0276	EA	3,100 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	230.09	18.67
26 51	13 00-0277	EA	4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	295.96	21.74
26 51	13 00-0278	EA	5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	295.96	21.74
26 51 13 00-0279 Surface Mount LED Fixtures <small>(26 51 13 00-0212)</small>					
26 51 13 00-0280 Surface Mount, Volumetric LED Fixtures <small>(26 51 13 00-0279)</small>					
26 51	13 00-0281	EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	335.60	14.00
26 51	13 00-0282	EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	381.56	17.08

26 Electrical**26 50 Lighting****26 51 Interior Lighting Fixtures, Lamps, and Ballasts**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0283		Surface Mount, Wraparound LED Fixtures (26 51 13 00-0279)		
26 51 13 00-0284	EA	2' Length, 3,500 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	182.38	17.08
26 51 13 00-0285	EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	186.02	17.08
26 51 13 00-0286		Surface Mount, Shadow Box Style LED Fixtures (26 51 13 00-0279)		
26 51 13 00-0287		Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 13 00-0286)		
26 51 13 00-0288	EA	3,300 Lumens, 2' x 2', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2).....	432.75	18.67
26 51 13 00-0289	EA	4,600 Lumens, 2' x 4', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4).....	557.51	21.74
26 51 13 00-0290		Recessed LED Downlights (26 51 13 00-0212)		
26 51 13 00-0291		Recessed LED Downlights (26 51 13 00-0290)		
26 51 13 00-0292		Recessed LED Downlights (Lithonia) (26 51 13 00-0291) Note: Includes housing and trim.		
26 51 13 00-0293	EA	1,200 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	368.01	22.46
		<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	86.86	
26 51 13 00-0294	EA	1,500 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	405.97	22.46
		<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	86.86	
26 51 13 00-0295		Recessed LED Downlights (Portfolio®) (26 51 13 00-0291) Note: Includes housing and trim.		
26 51 13 00-0296	EA	1,300 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Portfolio® LD413).....	206.59	22.46
26 51 13 00-0297		Recessed LED Downlights (Gotham® EVO®) (26 51 13 00-0291) Note: Includes housing and trim.		
26 51 13 00-0298	EA	1,800 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED).....	317.41	22.46
26 51 13 00-0299	EA	1,800 Lumens, 6" Diameter, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	330.52	22.46
26 51 13 00-0300	EA	1,800 Lumens, 6" Diameter, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED).....	384.28	22.46
26 51 13 00-0301	EA	1,800 Lumens, 6" Diameter, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	389.54	22.46
26 51 13 00-0302	EA	1,800 Lumens, 6" Diameter, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED).....	435.43	22.46
26 51 13 00-0303		Recessed LED Downlights (Lightolier) (26 51 13 00-0291) Note: Includes housing and trim.		
26 51 13 00-0304	EA	500 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	318.67	22.46
26 51 13 00-0305	EA	1,000 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	376.33	22.46
26 51 13 00-0306	EA	1,500 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	405.09	22.46
26 51 13 00-0307	EA	2,000 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	405.09	22.46
26 51 13 00-0308	EA	1,500 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	419.54	22.46
26 51 13 00-0309	EA	2,000 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	434.00	22.46
26 51 13 00-0310		Recessed LED Downlight Retrofits And Trim (CREE®) (26 51 13 00-0290)		
26 51 13 00-0311		Recessed LED Downlight Retrofits (CREE®) (26 51 13 00-0310) Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 13 00-0312	EA	575 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (Cree® CR4-575L).....	51.46	
26 51 13 00-0313	EA	625 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® CR6-625L).....	43.52	
26 51 13 00-0314	EA	800 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® CR6-800L).....	59.39	
26 51 13 00-0315	EA	650 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® LR6C-277).....	68.63	
26 51 13 00-0316	EA	1,000 Lumens, Deep Recess, 6" Diameter, Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR).....	76.57	
26 51 13 00-0317		Recessed LED Downlight Retrofits Trim (CREE®) (26 51 13 00-0310) Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 13 00-0318	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX).....	20.87	3.57
26 51 13 00-0319	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP).....	26.16	3.57
26 51 13 00-0320	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB).....	22.20	3.57
26 51 13 00-0321		Recessed LED Downlight Fixture Housings (CREE®) (26 51 13 00-0310) Note: Excludes lamp and trim.		
26 51 13 00-0322	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6).....	54.69	15.32
26 51 13 00-0323	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6).....	36.17	15.32
26 51 13 00-0324		Can Retrofit Or Surface Mount, LED Downlights (26 51 13 00-0290)		
26 51 13 00-0325	EA	15 Watt, 6" Diameter, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6).....	78.07	14.00
26 51 13 00-0326	EA	7 Watt, 4" Diameter, Can Retrofit, LED Downlight (Green Creative 01-811-D).....	55.89	14.00
26 51 13 00-0327	EA	9.5 Watt, 6" Diameter, Can Retrofit, LED Downlight (Green Creative 01-808-D).....	55.89	14.00
26 51 13 00-0328	EA	8.9 Watt, 6" Diameter, Can Retrofit, LED Downlight (Lithonia 6BP).....	68.96	14.00
		<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i>	24.20	



Electrical	26	26
Lighting	26 50	
Interior Lighting Fixtures, Lamps, and Ballasts	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0329 Wall Mount LED Cylinder Downlight (26 51 13 00-0212)		
26 51 13 00-0330 EA 2,200 Lumens, 9" Diameter, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	450.16	21.74
26 51 13 00-0331 Concealed Continuous LED Fixtures (26 51 13 00-0212)		
26 51 13 00-0332 Concealed Continuous LED Fixtures (Fraqtir™ S301) (26 51 13 00-0331)		
26 51 13 00-0333 LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	391.68	2.33
26 51 13 00-0334 LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301).....	446.83	2.33
26 51 13 00-0335 LED Low Bay Fixtures (26 51 13 00-0212)		
26 51 13 00-0336 LED Linear Low Bay Fixtures (PlanLED) (26 51 13 00-0335)		
26 51 13 00-0337 EA 4' Length, 23 System Watts, LED Linear Low Bay Fixture (PlanLED A1W4)	186.41	28.00
26 51 13 00-0338 EA 4' Length, 42 System Watts, LED Linear Low Bay Fixture (PlanLED A2W4A)	258.61	28.00
26 51 13 00-0339 EA 8' Length, 84 System Watts, LED Linear Low Bay Fixture (PlanLED A2W5A)	436.80	35.00
26 51 13 00-0340 LED Linear Low Bay Fixtures (CREE® CS) (26 51 13 00-0335)		
Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 13 00-0341 EA 4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	409.21	28.00
26 51 13 00-0342 EA 7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	509.43	35.00
26 51 13 00-0343 EA 8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	656.14	35.00
26 51 13 00-0344 LED Linear Low Bay Fixtures (Lithonia MSL) (26 51 13 00-0335)		
Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 13 00-0345 EA 4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	517.89	28.00
26 51 13 00-0346 Wet/Hazardous Location, LED Fixtures (26 51 13 00-0212)		
26 51 13 00-0347 Wet Location, LED Fixtures (26 51 13 00-0346)		
26 51 13 00-0348 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) (26 51 13 00-0347)		
Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0349 EA 47 System Watts, 3,240 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	1,133.65	39.19
For Ceiling Mount, Add	195.49	
For Quick Clip Mounting Option, Add	21.32	
For Frosted Lens, Add	45.86	
For Warm White Color Rendering, Add	61.42	
For Stanchion Mount, Add	252.83	
For Wall Mount, Add	260.02	
For Polycarbonate Lens, Add	88.43	
For Teflon Coated Lens, Add	97.33	
For 480 Volt, Add	133.93	
26 51 13 00-0350 EA 63 System Watts, 3,778 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	1,186.29	42.00
For Ceiling Mount, Add	195.49	
For Quick Clip Mounting Option, Add	21.32	
For Frosted Lens, Add	45.86	
For Warm White Color Rendering, Add	61.42	
For Stanchion Mount, Add	252.83	
For Wall Mount, Add	260.02	
For Polycarbonate Lens, Add	88.43	
For Teflon Coated Lens, Add	97.33	
For 480 Volt, Add	133.93	
26 51 13 00-0351 EA 98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	1,336.82	44.80
For Ceiling Mount, Add	195.49	
For Quick Clip Mounting Option, Add	21.32	
For Frosted Lens, Add	45.86	
For Warm White Color Rendering, Add	61.42	
For Stanchion Mount, Add	252.83	
For Wall Mount, Add	260.02	
For Polycarbonate Lens, Add	88.43	
For Teflon Coated Lens, Add	97.33	
For 480 Volt, Add	133.93	
26 51 13 00-0352 EA 98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	1,659.97	47.60
For Ceiling Mount, Add	195.49	
For Quick Clip Mounting Option, Add	21.32	
For Frosted Lens, Add	45.86	
For Warm White Color Rendering, Add	61.42	
For Stanchion Mount, Add	252.83	
For Wall Mount, Add	260.02	
For Polycarbonate Lens, Add	88.43	
For Teflon Coated Lens, Add	97.33	
For 480 Volt, Add	133.93	

26 Electrical**26 50 Lighting****26 51 Interior Lighting Fixtures, Lamps, and Ballasts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0353	EA		137 System Watts, 9,720 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	1,943.91	50.39
			<i>For Ceiling Mount, Add</i>	195.49	
			<i>For Quick Clip Mounting Option, Add</i>	21.32	
			<i>For Frosted Lens, Add</i>	45.86	
			<i>For Warm White Color Rendering, Add</i>	61.42	
			<i>For Stanchion Mount, Add</i>	252.83	
			<i>For Wall Mount, Add</i>	260.02	
			<i>For Polycarbonate Lens, Add</i>	88.43	
			<i>For Teflon Coated Lens, Add</i>	97.33	
			<i>For 480 Volt, Add</i>	133.93	
26 51 13 00-0354			Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) <small>(26 51 13 00-0347)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0355	EA		64 System Watts, 3,160 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM5L)	1,228.10	42.00
			<i>For Bolt-On Visor, Add</i>	33.53	
			<i>For Bolt-On Wire Guard, Add</i>	61.42	
			<i>For Factory Installed Fuse, Add</i>	86.39	
			<i>For 480 Volt, Add</i>	133.93	
			<i>For Warm White Color Rendering, Add</i>	136.84	
26 51 13 00-0356	EA		94 System Watts, 4,740 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM7L)	1,532.25	44.80
			<i>For Bolt-On Visor, Add</i>	33.53	
			<i>For Bolt-On Wire Guard, Add</i>	61.42	
			<i>For Factory Installed Fuse, Add</i>	86.39	
			<i>For 480 Volt, Add</i>	133.93	
			<i>For Warm White Color Rendering, Add</i>	136.84	
26 51 13 00-0357	EA		126 System Watts, 6,320 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM9L)	1,689.87	47.60
			<i>For Bolt-On Visor, Add</i>	33.53	
			<i>For Bolt-On Wire Guard, Add</i>	61.42	
			<i>For Factory Installed Fuse, Add</i>	86.39	
			<i>For 480 Volt, Add</i>	133.93	
			<i>For Warm White Color Rendering, Add</i>	136.84	
26 51 13 00-0358	EA		188 System Watts, 9,481 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM11L)	1,941.25	50.39
			<i>For Bolt-On Visor, Add</i>	33.53	
			<i>For Bolt-On Wire Guard, Add</i>	61.42	
			<i>For Factory Installed Fuse, Add</i>	86.39	
			<i>For 480 Volt, Add</i>	133.93	
			<i>For Warm White Color Rendering, Add</i>	136.84	
26 51 13 00-0359			Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) <small>(26 51 13 00-0347)</small>		
			Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0360	EA		25 System Watts, 1,400 Lumens, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	711.76	39.19
			<i>For 12/24 Volt DC Driver, Add</i>	25.91	
			<i>For Frosted Lens, Add</i>	29.18	
			<i>For 55 Degree Ambient Suitability (AC Only), Add</i>	35.26	
			<i>For Warm White Color Rendering, Add</i>	41.28	
			<i>For Ceiling Mount, Add</i>	168.41	
			<i>For Wall Mount, Add</i>	193.99	
			<i>For Teflon Coated Lens, Add</i>	111.93	
			<i>For Wall Mount With Junction Box, Add</i>	231.33	
26 51 13 00-0361			Class I Division 2, Hazardous Location, LED Fixtures <small>(26 51 13 00-0346)</small>		
26 51 13 00-0362			Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) <small>(26 51 13 00-0361)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0363	EA		64 System Watts, 3,160 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV5L)	1,414.09	42.00
			<i>For Bolt-On Visor, Add</i>	38.57	
			<i>For Bolt-On Wire Guard, Add</i>	70.63	
			<i>For Factory Installed Fuse, Add</i>	86.39	
			<i>For 480 Volt, Add</i>	133.93	
			<i>For Warm White Color Rendering, Add</i>	136.84	
26 51 13 00-0364	EA		94 System Watts, 4,740 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV7L)	1,736.17	44.80
			<i>For Bolt-On Visor, Add</i>	38.57	
			<i>For Bolt-On Wire Guard, Add</i>	70.63	
			<i>For Factory Installed Fuse, Add</i>	86.39	
			<i>For 480 Volt, Add</i>	133.93	
			<i>For Warm White Color Rendering, Add</i>	136.84	
26 51 13 00-0365	EA		126 System Watts, 6,320 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV9L)	1,963.01	47.60
			<i>For Bolt-On Visor, Add</i>	38.57	
			<i>For Bolt-On Wire Guard, Add</i>	70.63	
			<i>For Factory Installed Fuse, Add</i>	86.39	
			<i>For 480 Volt, Add</i>	133.93	
			<i>For Warm White Color Rendering, Add</i>	136.84	



Electrical	26	26
Lighting	26 50	
Interior Lighting Fixtures, Lamps, and Ballasts	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0366	EA	188 System Watts, 9,481 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV11L) <i>For Bolt-On Visor, Add</i> <i>For Bolt-On Wire Guard, Add</i> <i>For Factory Installed Fuse, Add</i> <i>For 480 Volt, Add</i> <i>For Warm White Color Rendering, Add</i>	2,196.22 38.57 70.63 86.39 133.93 136.84	50.39
26 51	13 00-0367		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) (26 51 13 00-0361) Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	13 00-0368	EA	25 System Watts, 1,600 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) <i>For 12/24 Volt DC Driver, Add</i> <i>For Frosted Lens, Add</i> <i>For Warm White Color Temperature LEDs, Add</i> <i>For 55 Degree Ambient Suitability (AC Only) Option, Add</i> <i>For Stanchion Mount, Add</i> <i>For Ceiling Mount, Add</i> <i>For Wall Mount, Add</i> <i>For Teflon Coated Lens, Add</i> <i>For Wall Mount With Junction Box, Add</i>	850.07 22.53 25.38 30.67 35.90 176.68 195.53 222.39 97.33 261.61	39.19
26 51	13 00-0369		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) (26 51 13 00-0361) Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	13 00-0370	EA	47 System Watts, 3,240 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L) <i>For Ceiling Mount, Add</i> <i>For Quick Clip Mounting Option, Add</i> <i>For Frosted Lens, Add</i> <i>For Warm White Color Rendering, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For 480 Volt, Add</i>	1,292.91 225.21 21.32 52.74 61.42 88.43 133.93	39.19
26 51	13 00-0371	EA	63 System Watts, 3,778 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L) <i>For Ceiling Mount, Add</i> <i>For Quick Clip Mounting Option, Add</i> <i>For Frosted Lens, Add</i> <i>For Warm White Color Rendering, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For 480 Volt, Add</i>	1,432.93 225.21 21.32 52.74 61.42 88.43 133.93	42.00
26 51	13 00-0372	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L) <i>For Ceiling Mount, Add</i> <i>For Quick Clip Mounting Option, Add</i> <i>For Frosted Lens, Add</i> <i>For Warm White Color Rendering, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For 480 Volt, Add</i>	1,721.30 225.21 21.32 52.74 61.42 88.43 133.93	44.80
26 51	13 00-0373	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L) <i>For Ceiling Mount, Add</i> <i>For Quick Clip Mounting Option, Add</i> <i>For Frosted Lens, Add</i> <i>For Warm White Color Rendering, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For 480 Volt, Add</i>	2,099.55 225.21 21.32 52.74 61.42 88.43 133.93	47.60
26 51	13 00-0374	EA	137 System Watts, 9,720 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L) <i>For Ceiling Mount, Add</i> <i>For Quick Clip Mounting Option, Add</i> <i>For Frosted Lens, Add</i> <i>For Warm White Color Rendering, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For 480 Volt, Add</i>	2,368.18 225.21 21.32 52.74 61.42 88.43 133.93	50.39
26 51	13 00-0375		Class I Division 1, Explosion Proof, LED Fixtures (26 51 13 00-0346)		
26 51	13 00-0376		Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) (26 51 13 00-0375) Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	13 00-0377	EA	80 System Watts, 5,625 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L) <i>For Wall Mount, Deduct</i> <i>For Warm Color Temperature LEDs, Add</i> <i>For Stainless Steel Guard, Add</i> <i>For Ceiling Mount, Add</i> <i>For Stanchion Mount, Add</i> <i>For Yoke Mount, Add</i>	1,888.05 -7.07 58.50 400.05 414.44 462.25 365.11	42.00

26 Electrical**26 50 Lighting****26 51 Interior Lighting Fixtures, Lamps, and Ballasts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0378	EA	100 System Watts, 6,750 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	2,298.86	44.80
			<i>For Wall Mount, Deduct</i>	-7.07	
			<i>For Warm Color Temperature LEDs, Add</i>	58.50	
			<i>For Stainless Steel Guard, Add</i>	400.05	
			<i>For Ceiling Mount, Add</i>	414.44	
			<i>For Stanchion Mount, Add</i>	462.25	
			<i>For Yoke Mount, Add</i>	365.11	
26 51	13 00-0379	EA	130 System Watts, 9,000 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	2,672.79	47.60
			<i>For Wall Mount, Deduct</i>	-7.07	
			<i>For Warm Color Temperature LEDs, Add</i>	58.50	
			<i>For Stainless Steel Guard, Add</i>	400.05	
			<i>For Ceiling Mount, Add</i>	414.44	
			<i>For Stanchion Mount, Add</i>	462.25	
			<i>For Yoke Mount, Add</i>	365.11	
26 51	13 00-0380	EA	151 System Watts, 10,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	3,053.61	50.39
			<i>For Wall Mount, Deduct</i>	-7.07	
			<i>For Warm Color Temperature LEDs, Add</i>	58.50	
			<i>For Stainless Steel Guard, Add</i>	400.05	
			<i>For Ceiling Mount, Add</i>	414.44	
			<i>For Stanchion Mount, Add</i>	462.25	
			<i>For Yoke Mount, Add</i>	365.11	
26 51	13 00-0381	EA	175 System Watts, 13,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	3,540.75	48.53
			<i>For Wall Mount, Deduct</i>	-7.07	
			<i>For Warm Color Temperature LEDs, Add</i>	58.50	
			<i>For Stainless Steel Guard, Add</i>	400.05	
			<i>For Ceiling Mount, Add</i>	414.44	
			<i>For Stanchion Mount, Add</i>	462.25	
			<i>For Yoke Mount, Add</i>	365.11	
26 51	13 00-0382		Refrigeration/Display LED Fixtures (26 51 13 00-0212)		
26 51	13 00-0383		Refrigeration/Display LED Fixtures (Lithonia) (26 51 13 00-0382)		
			Note: Fixtures exclude driver.		
26 51	13 00-0384	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM DLC).....	261.04	21.74
26 51	13 00-0385	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC).....	318.26	38.50
26 51	13 00-0386	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL).....	321.14	30.80
26 51	13 00-0387		Recessed Fixtures (26 51 13)		
			Note: Housing and trim priced separately.		
26 51	13 00-0388		Recessed Fixture Housings (26 51 13 00-0387)		
			Note: Lamps included in all prices. The housing insulation must be 3" from housing. ICT may be covered with insulation. Remodel housing may be installed from below ceiling. ICAT housing is air tight. Demo cost of housing includes demo of any fixture trim.		
26 51	13 00-0389		Compact Fluorescent, Recessed Fixture Housings (26 51 13 00-0388)		
26 51	13 00-0390	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	73.36	14.59
			<i>For ICAT Housing, Add</i>	6.63	
26 51	13 00-0391	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	75.60	14.59
			<i>For ICAT Housing, Add</i>	6.92	
26 51	13 00-0392	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	78.41	15.32
			<i>For ICAT Housing, Add</i>	7.15	
26 51	13 00-0393	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	80.65	15.98
			<i>For ICAT Housing, Add</i>	7.31	
26 51	13 00-0394	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	83.24	16.64
			<i>For ICAT Housing, Add</i>	7.51	
26 51	13 00-0395	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	85.63	17.66
			<i>For ICAT Housing, Add</i>	7.62	
26 51	13 00-0396		Fluorescent, Recessed Fixture Housings (26 51 13 00-0388)		
26 51	13 00-0397	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	63.61	14.59
			<i>For ICAT Housing, Add</i>	5.37	
26 51	13 00-0398	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	65.87	14.59
			<i>For ICAT Housing, Add</i>	5.67	
26 51	13 00-0399	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	68.61	15.26
			<i>For ICAT Housing, Add</i>	5.89	
26 51	13 00-0400	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	72.13	15.82
			<i>For ICAT Housing, Add</i>	6.21	
26 51	13 00-0401	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	75.18	16.64
			<i>For ICAT Housing, Add</i>	6.47	
26 51	13 00-0402	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing.....	77.75	17.66
			<i>For ICAT Housing, Add</i>	6.61	
26 51	13 00-0403		High Pressure Sodium, Recessed Fixture Housings (26 51 13 00-0388)		
26 51	13 00-0404	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	76.59	14.70
			<i>For ICAT Housing, Add</i>	7.05	
26 51	13 00-0405	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	80.23	14.70
			<i>For ICAT Housing, Add</i>	7.52	
26 51	13 00-0406	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	84.28	15.32
			<i>For ICAT Housing, Add</i>	7.91	



Electrical	26	26
Lighting	26 50	
Interior Lighting Fixtures, Lamps, and Ballasts	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0407	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	87.30 8.17	15.98
26 51	13 00-0408	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	90.28 8.42	16.64
26 51	13 00-0409	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	92.78 8.54	17.66
26 51 13 00-0410 Incandescent, Recessed Fixture Housings (26 51 13 00-0388)					
26 51	13 00-0411	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	38.04 2.08	14.59
26 51	13 00-0412	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	38.04 2.08	14.59
26 51	13 00-0413	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	40.45 2.25	15.32
26 51	13 00-0414	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	42.95 2.45	15.98
26 51	13 00-0415	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	45.46 2.64	16.64
26 51	13 00-0416	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	46.13 2.53	17.66
26 51 13 00-0417 Recessed Fixture Trim (26 51 13 00-0387)					
26 51	13 00-0418	EA	Circular, Recessed Fixture Trim	30.64	7.15
26 51	13 00-0419	EA	Circular Clear Lens, Recessed Fixture Trim	34.29	7.15
26 51	13 00-0420	EA	Open/Baffle, Recessed Fixture Trim	40.61	7.15
26 51	13 00-0421	EA	Specular Reflector, Recessed Fixture Trim	43.96	7.15
26 51	13 00-0422	EA	Eyeball, Recessed Fixture Trim	34.34	7.15
26 51	13 00-0423	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	32.38	7.15
26 51	13 00-0424	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	34.63	7.15
26 51 13 00-0425 Ceiling Mounted Fixtures (26 51 13)					
26 51 13 00-0426 Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures (26 51 13 00-0425)					
26 51 13 00-0427 Glass Globe, Compact Fluorescent/Incandescent Fixtures (26 51 13 00-0426)					
26 51	13 00-0428	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	69.82	20.41
26 51	13 00-0429	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	83.22	20.41
26 51 13 00-0430 Ceiling Mounted, Circline Fluorescent Fixtures (26 51 13 00-0425)					
26 51 13 00-0431 Exposed Lamps, Circline Fluorescent Fixtures (26 51 13 00-0430)					
26 51	13 00-0432	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	59.68	20.41
26 51	13 00-0433	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	66.28	20.41
26 51 13 00-0434 Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures (26 51 13 00-0430)					
26 51	13 00-0435	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	87.59	20.41
26 51	13 00-0436	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	124.50	20.41
26 51	13 00-0437	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	150.07	20.41
26 51	13 00-0438	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	99.54	20.41
26 51	13 00-0439	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	125.25	20.41
26 51	13 00-0440	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	150.07	20.41
26 51 13 00-0441 Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 13 00-0425)					
26 51 13 00-0442 Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures (26 51 13 00-0441)					
26 51	13 00-0443	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	90.51	20.41
26 51	13 00-0444	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	115.72	20.41
26 51	13 00-0445	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	138.69	20.41
26 51	13 00-0446	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	71.51	20.41
26 51	13 00-0447	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	85.59	20.41
26 51	13 00-0448	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	112.27	20.41
26 51 13 00-0449 Pendant Mounted, Compact Fluorescent/Incandescent Downlights (26 51 13 00-0425)					
26 51 13 00-0450 Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights (26 51 13 00-0449)					
26 51	13 00-0451	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	139.78	16.77
26 51 13 00-0452 Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle (26 51 13 00-0449)					
26 51	13 00-0453	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	160.19	16.77
26 51	13 00-0454	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	226.04	16.77
26 51 13 00-0455 Track Lighting (26 51 13)					

26 Electrical**26 50 Lighting****26 51 Interior Lighting Fixtures, Lamps, and Ballasts**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 13 00-0456		Track Lighting Tracks <small>(26 51 13 00-0455)</small>		
26 51 13 00-0457	LF	1 Circuit Track Lighting Track	20.65	3.37
26 51 13 00-0458	LF	2 Circuit Track Lighting Track	28.19	3.37
26 51 13 00-0459	LF	3 Circuit Track Lighting Track	34.51	3.37
26 51 13 00-0460	LF	4 Circuit Track Lighting Track	40.84	4.08
26 51 13 00-0461		Track Lighting Fixtures <small>(26 51 13 00-0455)</small>		
26 51 13 00-0462		Compact Fluorescent Track Lighting Fixtures <small>(26 51 13 00-0461)</small>		
26 51 13 00-0463	EA	Compact Fluorescent Track Lighting Fixture	47.20	8.52
26 51 13 00-0464		Fluorescent Track Lighting Fixtures <small>(26 51 13 00-0461)</small>		
26 51 13 00-0465	EA	2L 18W BX Track Fixture, Electronic Ballast	274.32	8.52
		Note: White or Black Finish, 120V.		
26 51 13 00-0466	EA	2L 39W BX Track Fixture, Electronic Ballast	287.51	8.52
		Note: White or Black Finish, 120V.		
26 51 13 00-0467	EA	2L 40W BX Track Fixture, Electronic Ballast	295.76	8.52
		Note: White or Black Finish, 120V.		
26 51 13 00-0468	EA	2L 50W BX Track Fixture, Electronic Ballast	260.11	8.52
		Note: White or Black Finish, 120V.		
26 51 13 00-0469	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast.....	335.96	8.52
		Note: White or Black Finish, 120V.		
26 51 13 00-0470		Metal Halide Track Lighting Fixtures <small>(26 51 13 00-0461)</small>		
26 51 13 00-0471	EA	Metal Halide Track Lighting Fixture.....	50.16	8.52
26 51 13 00-0472		Incandescent Track Lighting Fixtures <small>(26 51 13 00-0461)</small>		
26 51 13 00-0473	EA	Incandescent Track Lighting Fixture	39.83	8.52
26 51 13 00-0474	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	55.83	8.52
26 51 13 00-0475	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	89.09	8.52
26 51 13 00-0476	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt.....	92.39	8.52
26 51 13 00-0477	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	70.89	8.52
26 51 13 00-0478	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	55.83	8.52
26 51 13 00-0479	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish.....	69.30	8.52
		Note: 120V.		
26 51 13 00-0480	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	95.69	8.52
26 51 13 00-0481		LED Track Lighting Fixtures <small>(26 51 13 00-0461)</small>		
26 51 13 00-0482	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	217.32	8.52
26 51 13 00-0483	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	395.47	8.52
26 51 13 00-0484	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	224.09	8.52
26 51 13 00-0485		Track Lighting Accessories <small>(26 51 13 00-0455)</small>		
26 51 13 00-0486		Pendant Mounting <small>(26 51 13 00-0485)</small>		
26 51 13 00-0487	EA	Track Lighting Pendant Mounting, Up to 12".....	14.84	
26 51 13 00-0488	EA	Track Lighting Pendant Mounting, >12" To 24".....	19.93	
26 51 13 00-0489	EA	Track Lighting Pendant Mounting, >24" To 36".....	24.58	
26 51 13 00-0490		Wet Location, Dust Resistant, Vapor Tight Fixtures <small>(26 51 13)</small>		
26 51 13 00-0491		Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0490)</small>		
26 51 13 00-0492		Incandescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0491)</small>		
26 51 13 00-0493	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	78.65	20.41
		For Wall Mounted, Add	5.10	
26 51 13 00-0494	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	93.82	20.41
		For Wall Mounted, Add	5.10	
26 51 13 00-0495		Compact Fluorescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0491)</small>		
26 51 13 00-0496	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	86.48	20.41
		For Wall Mounted, Add	6.02	
26 51 13 00-0497	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	89.46	20.41
		For Wall Mounted, Add	6.02	
26 51 13 00-0498	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	96.83	20.41
		For Wall Mounted, Add	6.02	
26 51 13 00-0499		Metal Halide, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0491)</small>		
26 51 13 00-0500	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	112.42	20.41
		For Wall Mounted, Add	6.30	
26 51 13 00-0501	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	116.61	20.41
		For Wall Mounted, Add	6.30	



Electrical	26	26
Lighting	26 50	
Interior Lighting Fixtures, Lamps, and Ballasts	26 51	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0502	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	125.10 6.30	20.41
26 51 13 00-0503	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	137.88 6.30	20.41
26 51 13 00-0504		High Pressure Sodium, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0491)</small>		
26 51 13 00-0505	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	102.46 6.67	20.41
26 51 13 00-0506	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	107.66 6.67	20.41
26 51 13 00-0507	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	127.75 6.67	20.41
26 51 13 00-0508		Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0490)</small>		
26 51 13 00-0509		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0508)</small>		
26 51 13 00-0510		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) <small>(26 51 13 00-0509)</small> Note: Includes high impact acrylic molded lens.		
26 51 13 00-0511	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)..... <i>For T5 Fixture Instead Of T8, Add</i>	147.33 13.13	21.74
26 51 13 00-0512	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)..... <i>For T5 Fixture Instead Of T8, Add</i>	154.52 13.95	21.74
26 51 13 00-0513	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)..... <i>For T5 Fixture Instead Of T8, Add</i>	246.98 24.54	21.74
26 51 13 00-0514	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	214.00	21.74
26 51 13 00-0515	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	350.23	21.74
26 51 13 00-0516		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) <small>(26 51 13 00-0509)</small> Note: Includes high impact acrylic molded lens.		
26 51 13 00-0517	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	187.49	21.74
26 51 13 00-0518	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	189.41	21.74
26 51 13 00-0519	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	282.70	21.74
26 51 13 00-0520	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	232.75	21.74
26 51 13 00-0521	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	243.97	21.74
26 51 13 00-0522		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 13 00-0508)</small> Note: Includes high impact acrylic molded lens.		
26 51 13 00-0523		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) <small>(26 51 13 00-0522)</small> Note: Includes high impact acrylic molded lens.		
26 51 13 00-0524	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)..... <i>For T5 Fixture Instead Of T8, Add</i>	282.96 27.32	29.53
26 51 13 00-0525	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)..... <i>For T5 Fixture Instead Of T8, Add</i>	294.15 28.60	29.53
26 51 13 00-0526		Large Interior Area Fixtures <small>(26 51 13)</small>		
26 51 13 00-0527		Recessed Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0526)</small> Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 13 00-0528		High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0527)</small>		
26 51 13 00-0529	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture..... <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	219.76 40.50 60.00	54.41
26 51 13 00-0530	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture..... <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	228.54 40.50 60.00	57.78
26 51 13 00-0531	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture..... <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	237.66 40.50 60.00	65.94
26 51 13 00-0532		Metal Halide, Recessed Mounted, Large Interior Area Fixtures <small>(26 51 13 00-0527)</small>		
26 51 13 00-0533	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture..... <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	228.35 40.50 60.00	54.41
26 51 13 00-0534	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture..... <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	230.55 40.50 60.00	57.78
26 51 13 00-0535	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture..... <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	244.74 40.50 60.00	65.94

26 Electrical**26 50 Lighting****26 51 Interior Lighting Fixtures, Lamps, and Ballasts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0536			Low Bay Fixtures, Large Interior Area Fixtures (26 51 13 00-0526) Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 13 00-0537			High Pressure Sodium, Low Bay Fixtures (26 51 13 00-0536)		
26 51 13 00-0538	EA		150 Watt High Pressure Sodium, Low Bay Fixture	372.45	49.74
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0539	EA		250 Watt High Pressure Sodium, Low Bay Fixture	379.22	52.82
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0540	EA		400 Watt High Pressure Sodium, Low Bay Fixture	393.60	60.29
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0541			Metal Halide, Low Bay Fixtures (26 51 13 00-0536)		
26 51 13 00-0542	EA		175 Watt Metal Halide, Low Bay Fixture	373.07	49.74
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0543	EA		250 Watt Metal Halide, Low Bay Fixture	379.51	52.82
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0544	EA		400 Watt Metal Halide, Low Bay Fixture	398.77	60.29
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0545			High Bay Fixtures, Large Interior Area Fixtures (26 51 13 00-0526) Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 13 00-0546			High Pressure Sodium, High Bay Fixtures (26 51 13 00-0545) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 13 00-0547	EA		250 Watt High Pressure Sodium, High Bay Fixture	323.72	52.82
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 13 00-0548	EA		400 Watt High Pressure Sodium, High Bay Fixture	343.95	60.29
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 13 00-0549	EA		1,000 Watt High Pressure Sodium, High Bay Fixture	547.25	63.41
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 13 00-0550			Metal Halide, High Bay Fixtures (26 51 13 00-0545) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 13 00-0551	EA		250 Watt Metal Halide, High Bay Fixture	297.93	52.82
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	



Electrical	26
Lighting	26 50
Interior Lighting Fixtures, Lamps, and Ballasts	26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0552	EA	400 Watt Metal Halide, High Bay Fixture	316.96	60.29
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51	13 00-0553	EA	1,000 Watt Metal Halide, High Bay Fixture	456.78	63.41
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51	13 00-0554		(T8) Fluorescent, High Bay Fixtures (26 51 13 00-0545)		
26 51	13 00-0555		(T8) Fluorescent, High Bay Fixtures (Lithonia) (26 51 13 00-0554)		
			Note: For 8' fixture, use two (2) 4' fixtures.		
26 51	13 00-0556	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	252.50	47.59
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0557	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	262.44	52.73
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0558	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	297.02	60.19
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0559	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	360.58	63.41
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0560	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	392.57	66.36
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0561	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	318.50	60.19
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0562	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	328.62	63.41
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0563	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	392.36	66.36
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0564		(T5HO) Fluorescent, High Bay Fixtures (26 51 13 00-0545)		
26 51	13 00-0565		(T5HO) Fluorescent, High Bay Fixtures (Lithonia) (26 51 13 00-0564)		
			Note: For 8' fixture, use two (2) 4' fixtures.		
26 51	13 00-0566	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	262.56	47.59
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0567	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	276.02	52.73
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0568	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	316.19	60.19
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0569	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	392.12	63.41
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0570	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	362.17	60.19
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0571	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	409.04	63.41
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51	13 00-0572	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	502.89	66.36
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	

26 Electrical**26 50 Lighting****26 51 Interior Lighting Fixtures, Lamps, and Ballasts**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 13 00-0573	Induction, High Bay Fixtures (26 51 13 00-0545)		
26 51 13 00-0574	Induction, High Bay Fixtures (Everlast®) (26 51 13 00-0573)		
	Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 13 00-0575	EA 100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	434.38	46.19
	For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0576	EA 120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	471.93	47.74
	For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0577	EA 150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	479.13	49.28
	For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0578	EA 200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	531.26	50.81
	For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0579	EA 250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	544.52	52.36
	For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0580	EA 100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	476.89	46.19
	For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0581	EA 120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	514.44	47.74
	For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0582	EA 150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	521.64	49.28
	For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0583	EA 200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	573.77	50.81
	For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0584	EA 250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	587.03	52.36
	For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0585	LED, High Bay Fixtures (26 51 13 00-0545)		
26 51 13 00-0586	LED High Bay Fixtures (Lithonia IBL) (26 51 13 00-0585)		
	Note: Includes aluminum alloy chassis.		
26 51 13 00-0587	EA 9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	533.85	51.32
26 51 13 00-0588	EA 12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	594.58	51.32
26 51 13 00-0589	EA 18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	758.54	51.32
26 51 13 00-0590	EA 24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	824.13	51.32
26 51 13 00-0591	LED High Bay Fixtures (PlanLED) (26 51 13 00-0585)		
26 51 13 00-0592	LED High Bay Fixtures (PlanLED LUNA) (26 51 13 00-0591)		
	Note: Includes aluminum alloy chassis.		
26 51 13 00-0593	EA 7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	484.63	51.32
26 51 13 00-0594	EA 9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	549.85	51.32
26 51 13 00-0595	EA 13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	644.18	51.32
26 51 13 00-0596	EA 16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	736.18	51.32
26 51 13 00-0597	LED High Bay Fixtures (PlanLED IBL) (26 51 13 00-0591)		
	Note: Includes aluminum alloy chassis.		
26 51 13 00-0598	EA 13,650 Lumens, 130 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	531.22	51.32
	For 480 Volt, Add	32.20	
26 51 13 00-0599	EA 21,000 Lumens, 200 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	758.30	51.32
	For 480 Volt, Add	40.69	
26 51 13 00-0600	EA 42,000 Lumens, 400 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	1,383.67	51.32
	For 480 Volt, Add	64.32	
26 51 13 00-0601	LED High Bay Fixtures (PlanLED SEGA) (26 51 13 00-0591)		
	Note: Includes aluminum alloy chassis.		
26 51 13 00-0602	EA 10,400 Lumens, 80 System Watts, LED High Bay Fixture (PlanLED SEGA SE080)	408.94	51.32
	For 0 To 10 Volt Dimming, Add	49.88	
26 51 13 00-0603	EA 13,000 Lumens, 100 System Watts, LED High Bay Fixture (PlanLED SEGA SE100)	440.38	51.32
	For 0 To 10 Volt Dimming, Add	49.88	
26 51 13 00-0604	EA 16,900 Lumens, 130 System Watts, LED High Bay Fixture (PlanLED SEGA SE130)	548.68	51.32
	For 0 To 10 Volt Dimming, Add	49.88	
26 51 13 00-0605	EA 20,800 Lumens, 160 System Watts, LED High Bay Fixture (PlanLED SEGA SE160)	626.71	51.32
	For 0 To 10 Volt Dimming, Add	49.88	
26 51 13 00-0606	EA 50,000 Lumens, 400 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE400)	1,202.00	51.32
26 51 13 00-0607	EA 57,040 Lumens, 500 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE500)	1,304.48	51.32
26 51 13 00-0608	EA 80,000 Lumens, 640 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE640)	2,008.06	51.32
26 51 13 00-0609	Ceiling Mounted, Large Interior Area Fixtures (26 51 13 00-0526)		
	Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 13 00-0610	High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures (26 51 13 00-0609)		
26 51 13 00-0611	EA 100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	302.95	35.37
	For Wire Guard, Add	40.50	
	For Instant Quartz Restrike, Add	60.00	
	For Polycarbonate Lens, Add	47.75	
26 51 13 00-0612	EA 150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	350.43	35.37
	For Wire Guard, Add	40.50	
	For Instant Quartz Restrike, Add	60.00	
	For Polycarbonate Lens, Add	47.75	



Electrical	26	
Lighting	26 50	26
Interior Lighting Fixtures, Lamps, and Ballasts	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0613	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture.....	403.96	35.37
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51	13 00-0614	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture.....	543.55	35.37
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51	13 00-0615		Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 13 00-0609)		
26 51	13 00-0616	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture.....	191.26	35.37
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51	13 00-0617	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture.....	201.81	39.25
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51	13 00-0618	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture.....	214.40	42.51
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51	13 00-0619	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture.....	234.90	50.63
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51	13 00-0620		Interior Lighting Accessories (26 51 13)		
26 51	13 00-0621	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add.....	1.01	
			Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.		
26 51	13 00-0622		Lighting Accessories (26 51 13)		
26 51	13 00-0623		Modular Flexible Wiring Systems (26 51 13 00-0622)		
26 51	13 00-0624	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10).....	53.19	2.76
26 51	13 00-0625	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15).....	64.53	2.76
26 51	13 00-0626	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20).....	78.65	2.76
26 51	13 00-0627	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15).....	64.53	2.76
26 51	13 00-0628	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E).....	50.12	2.76
26 51	13 00-0629	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13).....	78.55	2.76
26 51	13 00-0630	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M).....	41.20	2.76
26 51	13 00-0631	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E).....	47.48	2.76
26 51	13 00-0632	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07).....	64.30	2.76
26 51	13 00-0633	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07).....	64.30	2.76
26 51	13 00-0634	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07).....	65.49	2.76
26 51	13 00-0635	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07).....	65.05	2.76
26 51	13 00-0636	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07).....	65.05	2.76
26 51	13 00-0637	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15).....	75.63	2.76
26 51	13 00-0638	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D).....	31.60	2.76
26 51	13 00-0639	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E).....	29.13	2.76
26 51	13 00-0640	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E).....	29.99	2.76
26 51	13 00-0641	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E).....	39.15	2.76
26 51	13 00-0642	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15).....	53.19	2.76
26 51	13 00-0643	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15).....	54.68	2.76
26 51	13 00-0644	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E).....	41.42	2.76
26 51	13 00-0645	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E).....	29.13	2.76
26 51	13 00-0646	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning.....	22.96	
26 51	13 00-0647		Removal And Reinstallation Of Light Fixtures (26 51 13)		
			Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51	13 00-0648	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture.....	54.36	
26 51	13 00-0649	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture.....	62.13	
26 52	Safety Lighting (26 50)				
26 52	00 00-0001		Commercial Emergency Lights (26 52)		
26 52	00 00-0002		Polycarbonate Housing, Commercial Emergency Lights (26 52 00 00-0001)		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52	00 00-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED).....	127.38	12.76
26 52	00 00-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2).....	84.57	12.76
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52	00 00-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618).....	140.59	12.76
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0006 EA 27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627).....	165.96	12.76
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 00 00-0007 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654).....	253.12	12.76
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 00 00-0008 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254).....	288.50	12.76
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 00 00-0009 EA 72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272).....	426.35	12.76
For Halogen Lamps, Add	27.55	
For Self-Diagnostics, Add	87.50	
26 52 00 00-0010 Remote Heads For Commercial Emergency Lights (26 52 00 00-0001)		
Note: For use with fixtures that have remote capability.		
26 52 00 00-0011 EA 6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	87.08	7.66
26 52 00 00-0012 EA 6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	87.72	7.66
26 52 00 00-0013 EA 8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	89.86	7.66
26 52 00 00-0014 EA 12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	89.52	7.66
26 52 00 00-0015 EA 12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	76.38	7.66
26 52 00 00-0016 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	50.29	7.66
26 52 00 00-0017 Industrial Emergency Lights (26 52)		
26 52 00 00-0018 Painted Steel Housing, Industrial Emergency Lights (26 52 00 00-0017)		
26 52 00 00-0019 Painted Steel Housing, Industrial Emergency Lights (26 52 00 00-0018)		
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0020 EA 16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	233.87	12.76
For Wireguard, Add	125.36	
26 52 00 00-0021 EA 24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24).....	194.28	12.76
For Wireguard, Add	125.36	
26 52 00 00-0022 EA 36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36).....	309.97	12.76
For Wireguard, Add	125.36	
26 52 00 00-0023 EA 50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	329.94	12.76
For Wireguard, Add	125.36	
26 52 00 00-0024 EA 125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	476.36	12.76
For Wireguard, Add	133.52	
26 52 00 00-0025 EA 275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	756.47	12.76
For Wireguard, Add	133.52	
26 52 00 00-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights (26 52 00 00-0018)		
Note: For use with fixtures that have remote capability.		
26 52 00 00-0027 EA 8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	65.32	7.66
For Wireguard, Add	101.16	
26 52 00 00-0028 EA 12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	67.81	7.66
For Wireguard, Add	101.16	
26 52 00 00-0029 EA 8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	65.67	7.66
For Wireguard, Add	101.16	
26 52 00 00-0030 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	66.08	7.66
For Wireguard, Add	101.16	
26 52 00 00-0031 EA 12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	67.81	7.66
For Wireguard, Add	101.16	
26 52 00 00-0032 EA 12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	80.43	7.66
For Wireguard, Add	101.16	
26 52 00 00-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 00 00-0017)		
26 52 00 00-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 00 00-0033)		
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0035 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	230.69	12.76
For Wireguard, Add	121.88	
For Self-Diagnostics, Add	105.50	



Electrical	26	26
Lighting	26 50	
Safety Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0036	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	251.81	12.76
			<i>For Wireguard, Add</i>	121.88	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0037	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	246.02	12.76
			<i>For Wireguard, Add</i>	121.88	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0038	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	260.78	12.76
			<i>For Wireguard, Add</i>	121.88	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0039	EA		100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	447.71	12.76
			<i>For Wireguard, Add</i>	121.88	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0040	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	349.04	12.76
			<i>For Wireguard, Add</i>	121.88	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0041	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	392.44	12.76
			<i>For Wireguard, Add</i>	121.88	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0042	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	414.44	12.76
			<i>For Wireguard, Add</i>	121.88	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0043			Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small> Note: For use with fixtures that have remote capability.		
26 52 00 00-0044	EA		9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	55.77	7.66
26 52 00 00-0045	EA		12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	60.81	7.66
26 52 00 00-0046	EA		9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	55.83	7.66
26 52 00 00-0047	EA		12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	59.54	7.66
26 52 00 00-0048	EA		12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	50.02	7.66
26 52 00 00-0049			Outdoor Emergency Lights <small>(26 52)</small>		
26 52 00 00-0050			Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights <small>(26 52 00 00-0049)</small> Note: Includes nickel-cadmium batteries.		
26 52 00 00-0051	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	370.16	12.76
26 52 00 00-0052	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	443.95	12.76
26 52 00 00-0053			Recessed Emergency Lights <small>(26 52)</small>		
26 52 00 00-0054	EA		10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	405.06	12.76
			<i>For Wire Guard, Add</i>	60.00	
26 52 00 00-0055	EA		16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	305.82	25.52
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	133.52	
26 52 00 00-0056	EA		50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	448.83	25.52
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	133.52	
26 52 00 00-0057			Square Wraparound Emergency Lights <small>(26 52)</small>		
26 52 00 00-0058	EA		10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	179.50	12.76
26 53			Exit Signs <small>(26 50)</small> Note: Excludes pendants.		
26 53 00 00-0001			LED Exit Signs <small>(26 53)</small> Note: Includes red LED lamps.		
26 53 00 00-0002	EA		Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	95.91	18.66
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0003	EA		Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	95.91	18.66
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0004	EA		Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	139.74	18.66
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	

26 Electrical**26 50 Lighting****26 53 Exit Signs**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 53 00 00-0005 EA Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	139.74	18.66
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0006 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	155.41	18.66
For Green LED Lamps, Add	15.00	
26 53 00 00-0007 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	178.26	18.66
For Green LED Lamps, Add	15.00	
26 53 00 00-0008 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	145.86	18.66
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0009 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	162.44	18.66
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0010 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM)	184.16	18.66
Note: Includes two circular side mounted krypton emergency lights.		
For Green LED Lamps, Add	15.00	
26 53 00 00-0011 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED)	281.34	18.66
Note: Includes two circular side mounted LED emergency lights.		
For Green LED Lamps, Add	15.00	
26 53 00 00-0012 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	236.04	18.66
Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
For Green LED Lamps, Add	15.00	
26 53 00 00-0013 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)	248.08	18.66
Note: Includes two circular side mounted PAR 36 emergency lights.		
For Green LED Lamps, Add	15.00	
26 53 00 00-0014 Edge-Lit LED Exit Signs ^(26 53)		
Note: Includes red LED lamps.		
26 53 00 00-0015 EA Single Face, Edge-Lit LED Exit Sign	222.41	18.66
For Green LED Lamps, Add	40.00	
26 53 00 00-0016 EA Double Face, Edge-Lit LED Exit Sign	239.82	18.66
For Green LED Lamps, Add	40.00	
26 53 00 00-0017 EA Single Face, Edge-Lit LED Exit Sign With Battery Back-Up	276.17	18.66
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0018 EA Double Face, Edge-Lit LED Exit Sign With Battery Back-Up	289.00	18.66
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0019 Self-Luminous Tritium Exit Signs ^(26 53)		
Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 53 00 00-0020 EA 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	308.16	18.66
26 53 00 00-0021 EA 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	578.73	18.66
26 53 00 00-0022 EA 20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	369.80	18.66
26 53 00 00-0023 EA 20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	628.21	18.66
26 53 00 00-0024 EA 10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	338.84	18.66
26 53 00 00-0025 EA 10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	628.21	18.66
26 53 00 00-0026 EA 20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	418.99	18.66
26 53 00 00-0027 EA 20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	783.31	18.66
26 53 00 00-0028 Vandal-Resistant LED Exit Signs ^(26 53)		
Note: Includes red LED lamps.		
26 53 00 00-0029 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign	289.93	18.66
26 53 00 00-0030 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	457.48	18.66
26 53 00 00-0031 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	560.21	18.66
26 53 00 00-0032 Remove And Reinstall Exit Light Fixture ^(26 53)		
26 53 00 00-0033 EA Removal And Reinstall Of Exit Light Fixtures	38.28	
Note: Includes storage and cleaning.		
26 53 00 00-0034 Exit Sign Accessories ^(26 53)		
26 53 00 00-0035 EA Polycarbonate Vandal Shield For Exit Signs	68.09	5.12
26 53 00 00-0036 EA Wire Guard For Exit Signs Or Emergency Lights	38.18	5.12
26 53 00 00-0037 EA Replacement Battery For Exit Signs	67.13	6.40
26 55 Special Purpose Lighting ^(26 50)		
26 55 61 Theatrical Lighting ^(26 55)		
26 55 61 00-0001 Stage Lighting ^(26 55 61)		
26 55 61 00-0002 EA Ellipsoidal Spotlight, Two 6" x 9" Lenses	325.07	62.06
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		
26 55 61 00-0003 EA Ellipsoidal Spotlight, Two 6" x 12" Lenses	325.07	62.06
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 61 00-0004 EA Ellipsoidal Spotlight, Two 6" x 16" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.	325.07	62.06
26 55 61 00-0005 EA 14" Scoop Floodlight Altman #SC14.....	336.23	62.06
26 55 61 00-0006 EA 6" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.	220.26	62.06
26 55 61 00-0007 EA 8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.	381.55	62.06
26 55 61 00-0008 EA Follow Spotlight With Steel Chassis And Lightweight..... Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	1,210.13	62.06
26 55 61 00-0009 EA Follow Spotlight With Steel Chassis And Lightweight..... Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	1,464.00	62.06
26 55 61 00-0010 EA PAR 64 Can Lighting With 20 Gauge Sheet Steel Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	180.60	62.06
26 55 61 00-0011 EA 6' Long Borderlight Sections Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	697.20	62.06

26 56 Exterior Lighting (26 50)

26 56 13 Lighting Poles And Standards (26 56)

26 56 13 00-0001 Poles And Standards <small>(26 56 13)</small> See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole, 26 56 19 00-0000 for street light fixtures.		
26 56 13 00-0002 Roadway Light Poles <small>(26 56 13 00-0001)</small>		
26 56 13 00-0003 Steel Roadway Light Poles <small>(26 56 13 00-0002)</small> Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles <small>(26 56 13 00-0003)</small>		
26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0005)</small>		
26 56 13 00-0007 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,780.81 72.37 -69.52 -139.04 -217.77	184.17
26 56 13 00-0008 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,786.77 72.55 -69.67 -139.34 -218.22	184.17
26 56 13 00-0009 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,944.88 73.61 -73.62 -147.24 -233.14	245.55
26 56 13 00-0010 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,016.57 75.76 -75.41 -150.83 -238.52	245.55
26 56 13 00-0011 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,088.27 77.92 -77.21 -154.41 -243.90	245.55
26 56 13 00-0012 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,164.76 78.37 -79.12 -158.24 -251.17	276.25
26 56 13 00-0013 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,198.76 79.39 -79.97 -159.94 -253.72	276.25



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,205.23	276.25
		<i>For Galvanized Finish, Add</i>	79.58	
		<i>For >10 To 20, Deduct</i>	-80.13	
		<i>For >20 To 40, Deduct</i>	-160.26	
		<i>For >40, Deduct</i>	-254.20	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,356.63	291.59
		<i>For Galvanized Finish, Add</i>	83.20	
		<i>For >10 To 20, Deduct</i>	-83.92	
		<i>For >20 To 40, Deduct</i>	-167.83	
		<i>For >40, Deduct</i>	-266.33	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,382.31	291.59
		<i>For Galvanized Finish, Add</i>	83.97	
		<i>For >10 To 20, Deduct</i>	-84.56	
		<i>For >20 To 40, Deduct</i>	-169.12	
		<i>For >40, Deduct</i>	-268.25	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,410.35	291.59
		<i>For Galvanized Finish, Add</i>	84.81	
		<i>For >10 To 20, Deduct</i>	-85.26	
		<i>For >20 To 40, Deduct</i>	-170.52	
		<i>For >40, Deduct</i>	-270.36	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,943.34	306.94
		<i>For Galvanized Finish, Add</i>	99.88	
		<i>For >10 To 20, Deduct</i>	-98.58	
		<i>For >20 To 40, Deduct</i>	-197.17	
		<i>For >40, Deduct</i>	-311.10	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,952.49	306.94
		<i>For Galvanized Finish, Add</i>	100.16	
		<i>For >10 To 20, Deduct</i>	-98.81	
		<i>For >20 To 40, Deduct</i>	-197.62	
		<i>For >40, Deduct</i>	-311.78	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,961.52	306.94
		<i>For Galvanized Finish, Add</i>	100.43	
		<i>For >10 To 20, Deduct</i>	-99.04	
		<i>For >20 To 40, Deduct</i>	-198.08	
		<i>For >40, Deduct</i>	-312.46	
26 56 13 00-0021		Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms <i>(26 56 13 00-0005)</i>		
26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,492.93	214.85
		<i>For Galvanized Finish, Add</i>	91.90	
		<i>For >10 To 20, Deduct</i>	-87.32	
		<i>For >20 To 40, Deduct</i>	-174.65	
		<i>For >40, Deduct</i>	-272.71	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,546.60	222.53
		<i>For Galvanized Finish, Add</i>	93.05	
		<i>For >10 To 20, Deduct</i>	-88.67	
		<i>For >20 To 40, Deduct</i>	-177.33	
		<i>For >40, Deduct</i>	-277.12	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,590.80	230.20
		<i>For Galvanized Finish, Add</i>	93.91	
		<i>For >10 To 20, Deduct</i>	-89.77	
		<i>For >20 To 40, Deduct</i>	-179.54	
		<i>For >40, Deduct</i>	-280.82	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,367.33	276.25
		<i>For Galvanized Finish, Add</i>	84.45	
		<i>For >10 To 20, Deduct</i>	-84.18	
		<i>For >20 To 40, Deduct</i>	-168.37	
		<i>For >40, Deduct</i>	-266.36	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,397.88	283.92
		<i>For Galvanized Finish, Add</i>	84.90	
		<i>For >10 To 20, Deduct</i>	-84.95	
		<i>For >20 To 40, Deduct</i>	-169.89	
		<i>For >40, Deduct</i>	-269.04	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,419.39	291.59
		<i>For Galvanized Finish, Add</i>	85.09	
		<i>For >10 To 20, Deduct</i>	-85.48	
		<i>For >20 To 40, Deduct</i>	-170.97	
		<i>For >40, Deduct</i>	-271.03	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,616.49	306.94
		<i>For Galvanized Finish, Add</i>	90.08	
		<i>For >10 To 20, Deduct</i>	-90.41	
		<i>For >20 To 40, Deduct</i>	-180.82	
		<i>For >40, Deduct</i>	-286.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,641.07	314.61
			<i>For Galvanized Finish, Add</i>	90.36	
			<i>For >10 To 20, Deduct</i>	-91.03	
			<i>For >20 To 40, Deduct</i>	-182.05	
			<i>For >40, Deduct</i>	-288.81	
26 56	13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,662.28	322.29
			<i>For Galvanized Finish, Add</i>	90.53	
			<i>For >10 To 20, Deduct</i>	-91.56	
			<i>For >20 To 40, Deduct</i>	-183.11	
			<i>For >40, Deduct</i>	-290.79	
26 56	13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,843.89	322.29
			<i>For Galvanized Finish, Add</i>	95.98	
			<i>For >10 To 20, Deduct</i>	-96.10	
			<i>For >20 To 40, Deduct</i>	-192.19	
			<i>For >40, Deduct</i>	-304.41	
26 56	13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,898.99	329.96
			<i>For Galvanized Finish, Add</i>	97.17	
			<i>For >10 To 20, Deduct</i>	-97.47	
			<i>For >20 To 40, Deduct</i>	-194.95	
			<i>For >40, Deduct</i>	-308.92	
26 56	13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,952.04	337.63
			<i>For Galvanized Finish, Add</i>	98.30	
			<i>For >10 To 20, Deduct</i>	-98.80	
			<i>For >20 To 40, Deduct</i>	-197.60	
			<i>For >40, Deduct</i>	-313.28	
26 56	13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,395.27	337.63
			<i>For Galvanized Finish, Add</i>	111.60	
			<i>For >10 To 20, Deduct</i>	-109.88	
			<i>For >20 To 40, Deduct</i>	-219.76	
			<i>For >40, Deduct</i>	-346.53	
26 56	13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,416.58	345.31
			<i>For Galvanized Finish, Add</i>	111.78	
			<i>For >10 To 20, Deduct</i>	-110.41	
			<i>For >20 To 40, Deduct</i>	-220.83	
			<i>For >40, Deduct</i>	-348.51	
26 56	13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,438.09	352.98
			<i>For Galvanized Finish, Add</i>	111.96	
			<i>For >10 To 20, Deduct</i>	-110.95	
			<i>For >20 To 40, Deduct</i>	-221.90	
			<i>For >40, Deduct</i>	-350.51	
26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms					
<small>(26 56 13 00-0005)</small>					
26 56	13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	3,991.83	306.94
			<i>For Galvanized Finish, Add</i>	101.34	
			<i>For >10 To 20, Deduct</i>	-99.80	
			<i>For >20 To 40, Deduct</i>	-199.59	
			<i>For >40, Deduct</i>	-314.73	
26 56	13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,028.58	322.29
			<i>For Galvanized Finish, Add</i>	101.52	
			<i>For >10 To 20, Deduct</i>	-100.71	
			<i>For >20 To 40, Deduct</i>	-201.43	
			<i>For >40, Deduct</i>	-318.26	
26 56	13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,074.38	337.63
			<i>For Galvanized Finish, Add</i>	101.97	
			<i>For >10 To 20, Deduct</i>	-101.86	
			<i>For >20 To 40, Deduct</i>	-203.72	
			<i>For >40, Deduct</i>	-322.46	
26 56	13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,204.63	337.63
			<i>For Galvanized Finish, Add</i>	105.88	
			<i>For >10 To 20, Deduct</i>	-105.12	
			<i>For >20 To 40, Deduct</i>	-210.23	
			<i>For >40, Deduct</i>	-332.23	
26 56	13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,244.25	352.98
			<i>For Galvanized Finish, Add</i>	106.15	
			<i>For >10 To 20, Deduct</i>	-106.11	
			<i>For >20 To 40, Deduct</i>	-212.21	
			<i>For >40, Deduct</i>	-335.97	
26 56	13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,281.00	368.33
			<i>For Galvanized Finish, Add</i>	106.33	
			<i>For >10 To 20, Deduct</i>	-107.03	
			<i>For >20 To 40, Deduct</i>	-214.05	
			<i>For >40, Deduct</i>	-339.49	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0044	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,483.28	352.98
			<i>For Galvanized Finish, Add</i>	113.32	
			<i>For >10 To 20, Deduct</i>	-112.08	
			<i>For >20 To 40, Deduct</i>	-224.16	
			<i>For >40, Deduct</i>	-353.90	
26 56 13 00-0045	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,520.03	368.33
			<i>For Galvanized Finish, Add</i>	113.50	
			<i>For >10 To 20, Deduct</i>	-113.00	
			<i>For >20 To 40, Deduct</i>	-226.00	
			<i>For >40, Deduct</i>	-357.42	
26 56 13 00-0046	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,556.79	383.67
			<i>For Galvanized Finish, Add</i>	113.68	
			<i>For >10 To 20, Deduct</i>	-113.92	
			<i>For >20 To 40, Deduct</i>	-227.84	
			<i>For >40, Deduct</i>	-360.94	
26 56 13 00-0047	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,847.20	368.33
			<i>For Galvanized Finish, Add</i>	123.32	
			<i>For >10 To 20, Deduct</i>	-121.18	
			<i>For >20 To 40, Deduct</i>	-242.36	
			<i>For >40, Deduct</i>	-381.96	
26 56 13 00-0048	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,883.65	383.67
			<i>For Galvanized Finish, Add</i>	123.49	
			<i>For >10 To 20, Deduct</i>	-122.09	
			<i>For >20 To 40, Deduct</i>	-244.18	
			<i>For >40, Deduct</i>	-385.46	
26 56 13 00-0049	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,926.46	399.02
			<i>For Galvanized Finish, Add</i>	123.85	
			<i>For >10 To 20, Deduct</i>	-123.16	
			<i>For >20 To 40, Deduct</i>	-246.32	
			<i>For >40, Deduct</i>	-389.44	
26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms					
<small>(26 56 13 00-0005)</small>					
26 56 13 00-0051	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,446.74	337.63
			<i>For Galvanized Finish, Add</i>	113.14	
			<i>For >10 To 20, Deduct</i>	-111.17	
			<i>For >20 To 40, Deduct</i>	-222.34	
			<i>For >40, Deduct</i>	-350.39	
26 56 13 00-0052	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,501.82	360.66
			<i>For Galvanized Finish, Add</i>	113.42	
			<i>For >10 To 20, Deduct</i>	-112.55	
			<i>For >20 To 40, Deduct</i>	-225.09	
			<i>For >40, Deduct</i>	-355.67	
26 56 13 00-0053	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,553.81	383.67
			<i>For Galvanized Finish, Add</i>	113.59	
			<i>For >10 To 20, Deduct</i>	-113.85	
			<i>For >20 To 40, Deduct</i>	-227.69	
			<i>For >40, Deduct</i>	-360.72	
26 56 13 00-0054	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,696.61	368.33
			<i>For Galvanized Finish, Add</i>	118.80	
			<i>For >10 To 20, Deduct</i>	-117.42	
			<i>For >20 To 40, Deduct</i>	-234.83	
			<i>For >40, Deduct</i>	-370.66	
26 56 13 00-0055	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,749.03	391.35
			<i>For Galvanized Finish, Add</i>	118.99	
			<i>For >10 To 20, Deduct</i>	-118.73	
			<i>For >20 To 40, Deduct</i>	-237.45	
			<i>For >40, Deduct</i>	-375.74	
26 56 13 00-0056	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,766.51	414.37
			<i>For Galvanized Finish, Add</i>	118.13	
			<i>For >10 To 20, Deduct</i>	-119.16	
			<i>For >20 To 40, Deduct</i>	-238.33	
			<i>For >40, Deduct</i>	-378.21	
26 56 13 00-0057	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,071.32	383.67
			<i>For Galvanized Finish, Add</i>	129.12	
			<i>For >10 To 20, Deduct</i>	-126.78	
			<i>For >20 To 40, Deduct</i>	-253.57	
			<i>For >40, Deduct</i>	-399.53	
26 56 13 00-0058	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,164.61	406.69
			<i>For Galvanized Finish, Add</i>	130.54	
			<i>For >10 To 20, Deduct</i>	-129.12	
			<i>For >20 To 40, Deduct</i>	-258.23	
			<i>For >40, Deduct</i>	-407.68	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,178.71	429.72
			<i>For Galvanized Finish, Add</i>	129.58	
			<i>For >10 To 20, Deduct</i>	-129.47	
			<i>For >20 To 40, Deduct</i>	-258.94	
			<i>For >40, Deduct</i>	-409.89	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,298.82	399.02
			<i>For Galvanized Finish, Add</i>	135.02	
			<i>For >10 To 20, Deduct</i>	-132.47	
			<i>For >20 To 40, Deduct</i>	-264.94	
			<i>For >40, Deduct</i>	-417.36	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,350.83	422.04
			<i>For Galvanized Finish, Add</i>	135.20	
			<i>For >10 To 20, Deduct</i>	-133.77	
			<i>For >20 To 40, Deduct</i>	-267.54	
			<i>For >40, Deduct</i>	-422.41	
26 56 13 00-0062	EA		40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,405.90	445.07
			<i>For Galvanized Finish, Add</i>	135.47	
			<i>For >10 To 20, Deduct</i>	-135.15	
			<i>For >20 To 40, Deduct</i>	-270.30	
			<i>For >40, Deduct</i>	-427.70	
26 56 13 00-0063			Round Tapered, Steel Roadway Light Poles With Davit Style Arm (26 56 13 00-0004)		
26 56 13 00-0064			Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm (26 56 13 00-0063)		
26 56 13 00-0065	EA		25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,166.75	245.55
			<i>For Galvanized Finish, Add</i>	80.27	
			<i>For >10 To 20, Deduct</i>	-79.17	
			<i>For >20 To 40, Deduct</i>	-158.34	
			<i>For >40, Deduct</i>	-249.78	
26 56 13 00-0066	EA		30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,586.74	276.25
			<i>For Galvanized Finish, Add</i>	91.03	
			<i>For >10 To 20, Deduct</i>	-89.67	
			<i>For >20 To 40, Deduct</i>	-179.34	
			<i>For >40, Deduct</i>	-282.82	
26 56 13 00-0067	EA		35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,667.36	291.59
			<i>For Galvanized Finish, Add</i>	92.53	
			<i>For >10 To 20, Deduct</i>	-91.68	
			<i>For >20 To 40, Deduct</i>	-183.37	
			<i>For >40, Deduct</i>	-289.63	
26 56 13 00-0068	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,463.93	306.94
			<i>For Galvanized Finish, Add</i>	115.50	
			<i>For >10 To 20, Deduct</i>	-111.60	
			<i>For >20 To 40, Deduct</i>	-223.20	
			<i>For >40, Deduct</i>	-350.14	
26 56 13 00-0069			Round Tapered, Steel Roadway Light Poles With Truss Style Arms (26 56 13 00-0004)		
26 56 13 00-0070			Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm (26 56 13 00-0069)		
26 56 13 00-0071	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,237.81	245.55
			<i>For Galvanized Finish, Add</i>	112.40	
			<i>For >10 To 20, Deduct</i>	-105.95	
			<i>For >20 To 40, Deduct</i>	-211.89	
			<i>For >40, Deduct</i>	-330.11	
26 56 13 00-0072	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,283.73	245.55
			<i>For Galvanized Finish, Add</i>	113.78	
			<i>For >10 To 20, Deduct</i>	-107.09	
			<i>For >20 To 40, Deduct</i>	-214.19	
			<i>For >40, Deduct</i>	-333.56	
26 56 13 00-0073	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,304.68	245.55
			<i>For Galvanized Finish, Add</i>	114.41	
			<i>For >10 To 20, Deduct</i>	-107.62	
			<i>For >20 To 40, Deduct</i>	-215.23	
			<i>For >40, Deduct</i>	-335.13	
26 56 13 00-0074	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,345.12	276.25
			<i>For Galvanized Finish, Add</i>	113.78	
			<i>For >10 To 20, Deduct</i>	-108.63	
			<i>For >20 To 40, Deduct</i>	-217.26	
			<i>For >40, Deduct</i>	-339.70	
26 56 13 00-0075	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,353.13	276.25
			<i>For Galvanized Finish, Add</i>	114.02	
			<i>For >10 To 20, Deduct</i>	-108.83	
			<i>For >20 To 40, Deduct</i>	-217.66	
			<i>For >40, Deduct</i>	-340.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0076	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,435.92	276.25
			For Galvanized Finish, Add	116.50	
			For >10 To 20, Deduct	-110.90	
			For >20 To 40, Deduct	-221.80	
			For >40, Deduct	-346.51	
26 56 13 00-0077	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,403.04	291.59
			For Galvanized Finish, Add	114.60	
			For >10 To 20, Deduct	-110.08	
			For >20 To 40, Deduct	-220.15	
			For >40, Deduct	-344.81	
26 56 13 00-0078	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,451.52	291.59
			For Galvanized Finish, Add	116.05	
			For >10 To 20, Deduct	-111.29	
			For >20 To 40, Deduct	-222.58	
			For >40, Deduct	-348.44	
26 56 13 00-0079	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,705.75	291.59
			For Galvanized Finish, Add	123.68	
			For >10 To 20, Deduct	-117.64	
			For >20 To 40, Deduct	-235.29	
			For >40, Deduct	-367.51	

26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms (26 56 13 00-0069)

26 56 13 00-0081	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,582.14	306.94
			For Galvanized Finish, Add	149.05	
			For >10 To 20, Deduct	-139.55	
			For >20 To 40, Deduct	-279.11	
			For >40, Deduct	-434.01	
26 56 13 00-0082	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,656.79	322.29
			For Galvanized Finish, Add	150.37	
			For >10 To 20, Deduct	-141.42	
			For >20 To 40, Deduct	-282.84	
			For >40, Deduct	-440.37	
26 56 13 00-0083	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,860.06	337.63
			For Galvanized Finish, Add	155.54	
			For >10 To 20, Deduct	-146.50	
			For >20 To 40, Deduct	-293.00	
			For >40, Deduct	-456.39	
26 56 13 00-0084	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,618.05	337.63
			For Galvanized Finish, Add	148.28	
			For >10 To 20, Deduct	-140.45	
			For >20 To 40, Deduct	-280.90	
			For >40, Deduct	-438.24	
26 56 13 00-0085	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,875.86	352.98
			For Galvanized Finish, Add	155.10	
			For >10 To 20, Deduct	-146.90	
			For >20 To 40, Deduct	-293.79	
			For >40, Deduct	-458.34	
26 56 13 00-0086	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,018.31	368.33
			For Galvanized Finish, Add	158.45	
			For >10 To 20, Deduct	-150.46	
			For >20 To 40, Deduct	-300.92	
			For >40, Deduct	-469.79	
26 56 13 00-0087	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,775.60	352.98
			For Galvanized Finish, Add	152.09	
			For >10 To 20, Deduct	-144.39	
			For >20 To 40, Deduct	-288.78	
			For >40, Deduct	-450.82	
26 56 13 00-0088	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,130.27	368.33
			For Galvanized Finish, Add	161.81	
			For >10 To 20, Deduct	-153.26	
			For >20 To 40, Deduct	-306.51	
			For >40, Deduct	-478.19	
26 56 13 00-0089	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,327.38	383.67
			For Galvanized Finish, Add	166.80	
			For >10 To 20, Deduct	-158.18	
			For >20 To 40, Deduct	-316.37	
			For >40, Deduct	-493.74	

26 56 13 00-0090 Aluminum Roadway Light Poles (26 56 13 00-0002)

Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles (26 56 13 00-0090)



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0092			Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0093			Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0092)</small>		
26 56 13 00-0094	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,438.75	184.17
			For >10 To 20, Deduct	-60.97	
			For >20 To 40, Deduct	-121.94	
			For >40, Deduct	-192.11	
26 56 13 00-0095	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,463.82	184.17
			For >10 To 20, Deduct	-61.60	
			For >20 To 40, Deduct	-123.19	
			For >40, Deduct	-193.99	
26 56 13 00-0096	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,939.84	245.55
			For >10 To 20, Deduct	-73.50	
			For >20 To 40, Deduct	-146.99	
			For >40, Deduct	-232.77	
26 56 13 00-0097	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,987.20	245.55
			For >10 To 20, Deduct	-74.68	
			For >20 To 40, Deduct	-149.36	
			For >40, Deduct	-236.32	
26 56 13 00-0098	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,030.75	245.55
			For >10 To 20, Deduct	-75.77	
			For >20 To 40, Deduct	-151.54	
			For >40, Deduct	-239.58	
26 56 13 00-0099	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,388.69	276.25
			For >10 To 20, Deduct	-84.72	
			For >20 To 40, Deduct	-169.43	
			For >40, Deduct	-267.96	
26 56 13 00-0100	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,428.65	276.25
			For >10 To 20, Deduct	-85.72	
			For >20 To 40, Deduct	-171.43	
			For >40, Deduct	-270.96	
26 56 13 00-0101	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,473.33	276.25
			For >10 To 20, Deduct	-86.83	
			For >20 To 40, Deduct	-173.67	
			For >40, Deduct	-274.31	
26 56 13 00-0102	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,051.53	291.59
			For >10 To 20, Deduct	-101.29	
			For >20 To 40, Deduct	-202.58	
			For >40, Deduct	-318.44	
26 56 13 00-0103	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,091.39	291.59
			For >10 To 20, Deduct	-102.28	
			For >20 To 40, Deduct	-204.57	
			For >40, Deduct	-321.43	
26 56 13 00-0104	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,124.77	291.59
			For >10 To 20, Deduct	-103.12	
			For >20 To 40, Deduct	-206.24	
			For >40, Deduct	-323.94	
26 56 13 00-0105			Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0106	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	2,784.68	214.85
			For >10 To 20, Deduct	-69.62	
			For >20 To 40, Deduct	-139.23	
			For >40, Deduct	-219.59	
26 56 13 00-0107	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,030.28	214.85
			For >10 To 20, Deduct	-75.76	
			For >20 To 40, Deduct	-151.51	
			For >40, Deduct	-238.01	
26 56 13 00-0108	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,108.84	230.20
			For >10 To 20, Deduct	-77.72	
			For >20 To 40, Deduct	-155.44	
			For >40, Deduct	-244.67	
26 56 13 00-0109	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,272.31	276.25
			For >10 To 20, Deduct	-81.81	
			For >20 To 40, Deduct	-163.62	
			For >40, Deduct	-259.24	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,444.00	283.92
			<i>For >10 To 20, Deduct</i>	-86.10	
			<i>For >20 To 40, Deduct</i>	-172.20	
			<i>For >40, Deduct</i>	-272.50	
26 56	13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,700.23	291.59
			<i>For >10 To 20, Deduct</i>	-92.51	
			<i>For >20 To 40, Deduct</i>	-185.01	
			<i>For >40, Deduct</i>	-292.10	
26 56	13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,807.24	306.94
			<i>For >10 To 20, Deduct</i>	-95.18	
			<i>For >20 To 40, Deduct</i>	-190.36	
			<i>For >40, Deduct</i>	-300.89	
26 56	13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,967.62	314.61
			<i>For >10 To 20, Deduct</i>	-99.19	
			<i>For >20 To 40, Deduct</i>	-198.38	
			<i>For >40, Deduct</i>	-313.30	
26 56	13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,167.66	322.29
			<i>For >10 To 20, Deduct</i>	-104.19	
			<i>For >20 To 40, Deduct</i>	-208.38	
			<i>For >40, Deduct</i>	-328.69	
26 56	13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,384.91	322.29
			<i>For >10 To 20, Deduct</i>	-109.62	
			<i>For >20 To 40, Deduct</i>	-219.25	
			<i>For >40, Deduct</i>	-344.98	
26 56	13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,852.44	329.96
			<i>For >10 To 20, Deduct</i>	-121.31	
			<i>For >20 To 40, Deduct</i>	-242.62	
			<i>For >40, Deduct</i>	-380.43	
26 56	13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,399.36	337.63
			<i>For >10 To 20, Deduct</i>	-134.98	
			<i>For >20 To 40, Deduct</i>	-269.97	
			<i>For >40, Deduct</i>	-421.83	
26 56	13 00-0118		Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56	13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,241.43	245.55
			<i>For >10 To 20, Deduct</i>	-81.04	
			<i>For >20 To 40, Deduct</i>	-162.07	
			<i>For >40, Deduct</i>	-255.38	
26 56	13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,470.79	260.90
			<i>For >10 To 20, Deduct</i>	-86.77	
			<i>For >20 To 40, Deduct</i>	-173.54	
			<i>For >40, Deduct</i>	-273.35	
26 56	13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,920.33	306.94
			<i>For >10 To 20, Deduct</i>	-98.01	
			<i>For >20 To 40, Deduct</i>	-196.02	
			<i>For >40, Deduct</i>	-309.37	
26 56	13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,082.40	322.29
			<i>For >10 To 20, Deduct</i>	-102.06	
			<i>For >20 To 40, Deduct</i>	-204.12	
			<i>For >40, Deduct</i>	-322.29	
26 56	13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,275.09	337.63
			<i>For >10 To 20, Deduct</i>	-106.88	
			<i>For >20 To 40, Deduct</i>	-213.75	
			<i>For >40, Deduct</i>	-337.51	
26 56	13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,418.88	352.98
			<i>For >10 To 20, Deduct</i>	-110.47	
			<i>For >20 To 40, Deduct</i>	-220.94	
			<i>For >40, Deduct</i>	-349.07	
26 56	13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,654.11	352.98
			<i>For >10 To 20, Deduct</i>	-116.35	
			<i>For >20 To 40, Deduct</i>	-232.71	
			<i>For >40, Deduct</i>	-366.71	
26 56	13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,102.25	368.33
			<i>For >10 To 20, Deduct</i>	-127.56	
			<i>For >20 To 40, Deduct</i>	-255.11	
			<i>For >40, Deduct</i>	-401.09	
26 56	13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	6,087.97	383.67
			<i>For >10 To 20, Deduct</i>	-152.20	
			<i>For >20 To 40, Deduct</i>	-304.40	
			<i>For >40, Deduct</i>	-475.78	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0128	Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0129	EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	3,302.20	276.25
	<i>For >10 To 20, Deduct</i>	-82.56	
	<i>For >20 To 40, Deduct</i>	-165.11	
	<i>For >40, Deduct</i>	-261.48	
26 56 13 00-0130	EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	3,452.58	276.25
	<i>For >10 To 20, Deduct</i>	-86.31	
	<i>For >20 To 40, Deduct</i>	-172.63	
	<i>For >40, Deduct</i>	-272.76	
26 56 13 00-0131	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,284.44	337.63
	<i>For >10 To 20, Deduct</i>	-107.11	
	<i>For >20 To 40, Deduct</i>	-214.22	
	<i>For >40, Deduct</i>	-338.21	
26 56 13 00-0132	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,651.07	360.66
	<i>For >10 To 20, Deduct</i>	-116.28	
	<i>For >20 To 40, Deduct</i>	-232.55	
	<i>For >40, Deduct</i>	-366.86	
26 56 13 00-0133	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,871.23	368.33
	<i>For >10 To 20, Deduct</i>	-121.78	
	<i>For >20 To 40, Deduct</i>	-243.56	
	<i>For >40, Deduct</i>	-383.76	
26 56 13 00-0134	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,204.59	391.35
	<i>For >10 To 20, Deduct</i>	-130.11	
	<i>For >20 To 40, Deduct</i>	-260.23	
	<i>For >40, Deduct</i>	-409.91	
26 56 13 00-0135	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,140.35	383.67
	<i>For >10 To 20, Deduct</i>	-128.51	
	<i>For >20 To 40, Deduct</i>	-257.02	
	<i>For >40, Deduct</i>	-404.71	
26 56 13 00-0136	EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,922.58	406.69
	<i>For >10 To 20, Deduct</i>	-148.06	
	<i>For >20 To 40, Deduct</i>	-296.13	
	<i>For >40, Deduct</i>	-464.53	
26 56 13 00-0137	EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,607.34	429.72
	<i>For >10 To 20, Deduct</i>	-165.18	
	<i>For >20 To 40, Deduct</i>	-330.37	
	<i>For >40, Deduct</i>	-517.04	
26 56 13 00-0138	Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0139	Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0138)</small>		
26 56 13 00-0140	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,635.67	245.55
	<i>For >10 To 20, Deduct</i>	-90.89	
	<i>For >20 To 40, Deduct</i>	-181.78	
	<i>For >40, Deduct</i>	-284.95	
26 56 13 00-0141	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,669.15	245.55
	<i>For >10 To 20, Deduct</i>	-91.73	
	<i>For >20 To 40, Deduct</i>	-183.46	
	<i>For >40, Deduct</i>	-287.46	
26 56 13 00-0142	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,754.72	245.55
	<i>For >10 To 20, Deduct</i>	-93.87	
	<i>For >20 To 40, Deduct</i>	-187.74	
	<i>For >40, Deduct</i>	-293.88	
26 56 13 00-0143	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	3,883.12	245.55
	<i>For >10 To 20, Deduct</i>	-97.08	
	<i>For >20 To 40, Deduct</i>	-194.16	
	<i>For >40, Deduct</i>	-303.51	
26 56 13 00-0144	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,094.07	276.25
	<i>For >10 To 20, Deduct</i>	-102.35	
	<i>For >20 To 40, Deduct</i>	-204.70	
	<i>For >40, Deduct</i>	-320.87	
26 56 13 00-0145	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,169.57	276.25
	<i>For >10 To 20, Deduct</i>	-104.24	
	<i>For >20 To 40, Deduct</i>	-208.48	
	<i>For >40, Deduct</i>	-326.53	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0146	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,250.10	276.25
			<i>For >10 To 20, Deduct</i>	-106.25	
			<i>For >20 To 40, Deduct</i>	-212.51	
			<i>For >40, Deduct</i>	-332.57	
26 56 13 00-0147	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,735.86	276.25
			<i>For >10 To 20, Deduct</i>	-118.40	
			<i>For >20 To 40, Deduct</i>	-236.79	
			<i>For >40, Deduct</i>	-369.00	
26 56 13 00-0148	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,470.22	291.59
			<i>For >10 To 20, Deduct</i>	-111.76	
			<i>For >20 To 40, Deduct</i>	-223.51	
			<i>For >40, Deduct</i>	-349.85	
26 56 13 00-0149	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,093.52	291.59
			<i>For >10 To 20, Deduct</i>	-127.34	
			<i>For >20 To 40, Deduct</i>	-254.68	
			<i>For >40, Deduct</i>	-396.59	
26 56 13 00-0150	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,154.23	291.59
			<i>For >10 To 20, Deduct</i>	-128.86	
			<i>For >20 To 40, Deduct</i>	-257.71	
			<i>For >40, Deduct</i>	-401.15	
26 56 13 00-0151	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,539.64	291.59
			<i>For >10 To 20, Deduct</i>	-138.49	
			<i>For >20 To 40, Deduct</i>	-276.98	
			<i>For >40, Deduct</i>	-430.05	
26 56 13 00-0152	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,891.14	291.59
			<i>For >10 To 20, Deduct</i>	-147.28	
			<i>For >20 To 40, Deduct</i>	-294.56	
			<i>For >40, Deduct</i>	-456.42	
26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0138)</small>					
26 56 13 00-0154	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,748.46	306.94
			<i>For >10 To 20, Deduct</i>	-118.71	
			<i>For >20 To 40, Deduct</i>	-237.42	
			<i>For >40, Deduct</i>	-371.48	
26 56 13 00-0155	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,864.72	322.29
			<i>For >10 To 20, Deduct</i>	-121.62	
			<i>For >20 To 40, Deduct</i>	-243.24	
			<i>For >40, Deduct</i>	-380.97	
26 56 13 00-0156	EA		25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	4,950.48	337.63
			<i>For >10 To 20, Deduct</i>	-123.76	
			<i>For >20 To 40, Deduct</i>	-247.52	
			<i>For >40, Deduct</i>	-388.17	
26 56 13 00-0157	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,097.16	337.63
			<i>For >10 To 20, Deduct</i>	-127.43	
			<i>For >20 To 40, Deduct</i>	-254.86	
			<i>For >40, Deduct</i>	-399.17	
26 56 13 00-0158	EA		30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,573.86	352.98
			<i>For >10 To 20, Deduct</i>	-139.35	
			<i>For >20 To 40, Deduct</i>	-278.69	
			<i>For >40, Deduct</i>	-435.69	
26 56 13 00-0159	EA		30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,484.55	368.33
			<i>For >10 To 20, Deduct</i>	-162.11	
			<i>For >20 To 40, Deduct</i>	-324.23	
			<i>For >40, Deduct</i>	-504.76	
26 56 13 00-0160	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,279.65	352.98
			<i>For >10 To 20, Deduct</i>	-156.99	
			<i>For >20 To 40, Deduct</i>	-313.98	
			<i>For >40, Deduct</i>	-488.62	
26 56 13 00-0161	EA		35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,382.04	368.33
			<i>For >10 To 20, Deduct</i>	-159.55	
			<i>For >20 To 40, Deduct</i>	-319.10	
			<i>For >40, Deduct</i>	-497.07	
26 56 13 00-0162	EA		35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,917.59	383.67
			<i>For >10 To 20, Deduct</i>	-197.94	
			<i>For >20 To 40, Deduct</i>	-395.88	
			<i>For >40, Deduct</i>	-613.00	
26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0091)</small>					



	Electrical	26
	Lighting	26 50
	Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0164			Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0163)</small>		
26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,024.05	184.17
			<i>For >10 To 20, Deduct</i>	-75.60	
			<i>For >20 To 40, Deduct</i>	-151.20	
			<i>For >40, Deduct</i>	-236.01	
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,118.66	184.17
			<i>For >10 To 20, Deduct</i>	-77.97	
			<i>For >20 To 40, Deduct</i>	-155.93	
			<i>For >40, Deduct</i>	-243.11	
26 56 13 00-0167	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,213.47	184.17
			<i>For >10 To 20, Deduct</i>	-80.34	
			<i>For >20 To 40, Deduct</i>	-160.67	
			<i>For >40, Deduct</i>	-250.22	
26 56 13 00-0168	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,533.67	245.55
			<i>For >10 To 20, Deduct</i>	-88.34	
			<i>For >20 To 40, Deduct</i>	-176.68	
			<i>For >40, Deduct</i>	-277.30	
26 56 13 00-0169	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,605.78	245.55
			<i>For >10 To 20, Deduct</i>	-90.14	
			<i>For >20 To 40, Deduct</i>	-180.29	
			<i>For >40, Deduct</i>	-282.71	
26 56 13 00-0170	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,684.56	245.55
			<i>For >10 To 20, Deduct</i>	-92.11	
			<i>For >20 To 40, Deduct</i>	-184.23	
			<i>For >40, Deduct</i>	-288.62	
26 56 13 00-0171	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,990.32	276.25
			<i>For >10 To 20, Deduct</i>	-99.76	
			<i>For >20 To 40, Deduct</i>	-199.52	
			<i>For >40, Deduct</i>	-313.09	
26 56 13 00-0172	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,088.22	276.25
			<i>For >10 To 20, Deduct</i>	-102.21	
			<i>For >20 To 40, Deduct</i>	-204.41	
			<i>For >40, Deduct</i>	-320.43	
26 56 13 00-0173	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,102.90	276.25
			<i>For >10 To 20, Deduct</i>	-102.57	
			<i>For >20 To 40, Deduct</i>	-205.15	
			<i>For >40, Deduct</i>	-321.53	
26 56 13 00-0174	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,369.35	291.59
			<i>For >10 To 20, Deduct</i>	-109.23	
			<i>For >20 To 40, Deduct</i>	-218.47	
			<i>For >40, Deduct</i>	-342.28	
26 56 13 00-0175	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,412.28	291.59
			<i>For >10 To 20, Deduct</i>	-110.31	
			<i>For >20 To 40, Deduct</i>	-220.61	
			<i>For >40, Deduct</i>	-345.50	
26 56 13 00-0176	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,512.95	291.59
			<i>For >10 To 20, Deduct</i>	-112.82	
			<i>For >20 To 40, Deduct</i>	-225.65	
			<i>For >40, Deduct</i>	-353.05	
26 56 13 00-0177			Area Light Poles <small>(26 56 13 00-0001)</small>		
26 56 13 00-0178			Steel Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179			Round Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0180			Round Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0179)</small>		
26 56 13 00-0181	EA		10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	639.75	107.43
			<i>For Galvanized Finish, Add</i>	12.75	
			<i>For >10 To 20, Deduct</i>	-22.37	
			<i>For >20 To 40, Deduct</i>	-40.49	
			<i>For >40, Deduct</i>	-85.22	
26 56 13 00-0182	EA		12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	693.99	122.78
			<i>For Galvanized Finish, Add</i>	13.45	
			<i>For >10 To 20, Deduct</i>	-24.08	
			<i>For >20 To 40, Deduct</i>	-43.67	
			<i>For >40, Deduct</i>	-91.82	
26 56 13 00-0183	EA		14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	775.30	138.12
			<i>For Galvanized Finish, Add</i>	14.97	
			<i>For >10 To 20, Deduct</i>	-26.87	
			<i>For >20 To 40, Deduct</i>	-48.75	
			<i>For >40, Deduct</i>	-102.48	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	858.95	153.47
			<i>For Galvanized Finish, Add</i>	16.56	
			<i>For >10 To 20, Deduct</i>	-29.75	
			<i>For >20 To 40, Deduct</i>	-53.99	
			<i>For >40, Deduct</i>	-113.50	
26 56	13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	913.18	168.82
			<i>For Galvanized Finish, Add</i>	17.27	
			<i>For >10 To 20, Deduct</i>	-31.46	
			<i>For >20 To 40, Deduct</i>	-57.17	
			<i>For >40, Deduct</i>	-120.10	
26 56	13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	961.54	184.17
			<i>For Galvanized Finish, Add</i>	17.80	
			<i>For >10 To 20, Deduct</i>	-32.94	
			<i>For >20 To 40, Deduct</i>	-59.94	
			<i>For >40, Deduct</i>	-125.81	
26 56	13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	670.35	107.43
			<i>For Galvanized Finish, Add</i>	13.67	
			<i>For >10 To 20, Deduct</i>	-23.59	
			<i>For >20 To 40, Deduct</i>	-42.63	
			<i>For >40, Deduct</i>	-89.81	
26 56	13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	725.77	122.78
			<i>For Galvanized Finish, Add</i>	14.41	
			<i>For >10 To 20, Deduct</i>	-25.35	
			<i>For >20 To 40, Deduct</i>	-45.89	
			<i>For >40, Deduct</i>	-96.59	
26 56	13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	838.86	138.12
			<i>For Galvanized Finish, Add</i>	16.88	
			<i>For >10 To 20, Deduct</i>	-29.41	
			<i>For >20 To 40, Deduct</i>	-53.20	
			<i>For >40, Deduct</i>	-112.02	
26 56	13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	900.15	153.47
			<i>For Galvanized Finish, Add</i>	17.80	
			<i>For >10 To 20, Deduct</i>	-31.40	
			<i>For >20 To 40, Deduct</i>	-56.87	
			<i>For >40, Deduct</i>	-119.68	
26 56	13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	957.91	168.82
			<i>For Galvanized Finish, Add</i>	18.61	
			<i>For >10 To 20, Deduct</i>	-33.25	
			<i>For >20 To 40, Deduct</i>	-60.30	
			<i>For >40, Deduct</i>	-126.81	
26 56	13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,003.91	184.17
			<i>For Galvanized Finish, Add</i>	19.07	
			<i>For >10 To 20, Deduct</i>	-34.63	
			<i>For >20 To 40, Deduct</i>	-62.91	
			<i>For >40, Deduct</i>	-132.17	
26 56	13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,170.23	245.55
			<i>For Galvanized Finish, Add</i>	20.37	
			<i>For >10 To 20, Deduct</i>	-39.44	
			<i>For >20 To 40, Deduct</i>	-72.09	
			<i>For >40, Deduct</i>	-150.98	
26 56	13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	670.35	107.43
			<i>For Galvanized Finish, Add</i>	13.67	
			<i>For >10 To 20, Deduct</i>	-23.59	
			<i>For >20 To 40, Deduct</i>	-42.63	
			<i>For >40, Deduct</i>	-89.81	
26 56	13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	729.30	122.78
			<i>For Galvanized Finish, Add</i>	14.51	
			<i>For >10 To 20, Deduct</i>	-25.49	
			<i>For >20 To 40, Deduct</i>	-46.14	
			<i>For >40, Deduct</i>	-97.12	
26 56	13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	857.69	138.12
			<i>For Galvanized Finish, Add</i>	17.44	
			<i>For >10 To 20, Deduct</i>	-30.16	
			<i>For >20 To 40, Deduct</i>	-54.51	
			<i>For >40, Deduct</i>	-114.84	
26 56	13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	903.68	153.47
			<i>For Galvanized Finish, Add</i>	17.90	
			<i>For >10 To 20, Deduct</i>	-31.54	
			<i>For >20 To 40, Deduct</i>	-57.12	
			<i>For >40, Deduct</i>	-120.21	
26 56	13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	957.91	168.82
			<i>For Galvanized Finish, Add</i>	18.61	
			<i>For >10 To 20, Deduct</i>	-33.25	
			<i>For >20 To 40, Deduct</i>	-60.30	
			<i>For >40, Deduct</i>	-126.81	
26 56	13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,003.91	184.17
			<i>For Galvanized Finish, Add</i>	19.07	
			<i>For >10 To 20, Deduct</i>	-34.63	
			<i>For >20 To 40, Deduct</i>	-62.91	
			<i>For >40, Deduct</i>	-132.17	
26 56	13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,203.18	245.55
			<i>For Galvanized Finish, Add</i>	21.36	
			<i>For >10 To 20, Deduct</i>	-40.76	
			<i>For >20 To 40, Deduct</i>	-74.40	
			<i>For >40, Deduct</i>	-155.92	
26 56	13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,325.78	276.25
			<i>For Galvanized Finish, Add</i>	23.20	
			<i>For >10 To 20, Deduct</i>	-44.74	
			<i>For >20 To 40, Deduct</i>	-81.75	
			<i>For >40, Deduct</i>	-171.24	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0202	EA		20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,079.24	184.17
			<i>For Galvanized Finish, Add</i>	21.33	
			<i>For >10 To 20, Deduct</i>	-37.64	
			<i>For >20 To 40, Deduct</i>	-68.18	
			<i>For >40, Deduct</i>	-143.47	
26 56 13 00-0203	EA		25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,218.49	245.55
			<i>For Galvanized Finish, Add</i>	21.82	
			<i>For >10 To 20, Deduct</i>	-41.37	
			<i>For >20 To 40, Deduct</i>	-75.47	
			<i>For >40, Deduct</i>	-158.22	
26 56 13 00-0204	EA		30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,355.20	276.25
			<i>For Galvanized Finish, Add</i>	24.08	
			<i>For >10 To 20, Deduct</i>	-45.92	
			<i>For >20 To 40, Deduct</i>	-83.81	
			<i>For >40, Deduct</i>	-175.66	
26 56 13 00-0205 Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>					
26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>					
26 56 13 00-0207	EA		20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,345.24	184.17
			<i>For Galvanized Finish, Add</i>	29.31	
			<i>For >10 To 20, Deduct</i>	-48.28	
			<i>For >20 To 40, Deduct</i>	-86.80	
			<i>For >40, Deduct</i>	-183.37	
26 56 13 00-0208	EA		20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,381.73	184.17
			<i>For Galvanized Finish, Add</i>	30.40	
			<i>For >10 To 20, Deduct</i>	-49.74	
			<i>For >20 To 40, Deduct</i>	-89.35	
			<i>For >40, Deduct</i>	-188.84	
26 56 13 00-0209	EA		25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,584.53	245.55
			<i>For Galvanized Finish, Add</i>	32.80	
			<i>For >10 To 20, Deduct</i>	-56.01	
			<i>For >20 To 40, Deduct</i>	-101.10	
			<i>For >40, Deduct</i>	-213.12	
26 56 13 00-0210	EA		25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,659.86	245.55
			<i>For Galvanized Finish, Add</i>	35.06	
			<i>For >10 To 20, Deduct</i>	-59.03	
			<i>For >20 To 40, Deduct</i>	-106.37	
			<i>For >40, Deduct</i>	-224.42	
26 56 13 00-0211	EA		30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,763.62	276.25
			<i>For Galvanized Finish, Add</i>	36.33	
			<i>For >10 To 20, Deduct</i>	-62.26	
			<i>For >20 To 40, Deduct</i>	-112.40	
			<i>For >40, Deduct</i>	-236.92	
26 56 13 00-0212	EA		30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,889.56	276.25
			<i>For Galvanized Finish, Add</i>	40.11	
			<i>For >10 To 20, Deduct</i>	-67.30	
			<i>For >20 To 40, Deduct</i>	-121.22	
			<i>For >40, Deduct</i>	-255.81	
26 56 13 00-0213	EA		35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,946.16	291.59
			<i>For Galvanized Finish, Add</i>	40.89	
			<i>For >10 To 20, Deduct</i>	-69.10	
			<i>For >20 To 40, Deduct</i>	-124.57	
			<i>For >40, Deduct</i>	-262.76	
26 56 13 00-0214	EA		35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,023.84	291.59
			<i>For Galvanized Finish, Add</i>	43.22	
			<i>For >10 To 20, Deduct</i>	-72.21	
			<i>For >20 To 40, Deduct</i>	-130.01	
			<i>For >40, Deduct</i>	-274.42	
26 56 13 00-0215	EA		35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,209.80	291.59
			<i>For Galvanized Finish, Add</i>	48.80	
			<i>For >10 To 20, Deduct</i>	-79.64	
			<i>For >20 To 40, Deduct</i>	-143.02	
			<i>For >40, Deduct</i>	-302.31	
26 56 13 00-0216	EA		39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,226.37	306.94
			<i>For Galvanized Finish, Add</i>	48.37	
			<i>For >10 To 20, Deduct</i>	-79.85	
			<i>For >20 To 40, Deduct</i>	-143.57	
			<i>For >40, Deduct</i>	-303.26	
26 56 13 00-0217	EA		39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,259.33	306.94
			<i>For Galvanized Finish, Add</i>	49.36	
			<i>For >10 To 20, Deduct</i>	-81.17	
			<i>For >20 To 40, Deduct</i>	-145.88	
			<i>For >40, Deduct</i>	-308.21	
26 56 13 00-0218	EA		45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,077.89	399.02
			<i>For Galvanized Finish, Add</i>	68.40	
			<i>For >10 To 20, Deduct</i>	-111.15	
			<i>For >20 To 40, Deduct</i>	-199.49	
			<i>For >40, Deduct</i>	-421.78	
26 56 13 00-0219	EA		50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,193.61	460.41
			<i>For Galvanized Finish, Add</i>	68.18	
			<i>For >10 To 20, Deduct</i>	-113.93	
			<i>For >20 To 40, Deduct</i>	-205.14	
			<i>For >40, Deduct</i>	-433.00	
26 56 13 00-0220	EA		25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,170.68	245.55
			<i>For Galvanized Finish, Add</i>	50.39	
			<i>For >10 To 20, Deduct</i>	-79.46	
			<i>For >20 To 40, Deduct</i>	-142.13	
			<i>For >40, Deduct</i>	-301.05	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,465.11	276.25
			<i>For Galvanized Finish, Add</i>	57.38	
			<i>For >10 To 20, Deduct</i>	-90.32	
			<i>For >20 To 40, Deduct</i>	-161.51	
			<i>For >40, Deduct</i>	-342.14	
26 56	13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,860.77	306.94
			<i>For Galvanized Finish, Add</i>	67.41	
			<i>For >10 To 20, Deduct</i>	-105.22	
			<i>For >20 To 40, Deduct</i>	-187.98	
			<i>For >40, Deduct</i>	-398.42	
26 56	13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,445.11	399.02
			<i>For Galvanized Finish, Add</i>	79.41	
			<i>For >10 To 20, Deduct</i>	-125.83	
			<i>For >20 To 40, Deduct</i>	-225.20	
			<i>For >40, Deduct</i>	-476.86	
26 56	13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,022.22	460.41
			<i>For Galvanized Finish, Add</i>	93.04	
			<i>For >10 To 20, Deduct</i>	-147.08	
			<i>For >20 To 40, Deduct</i>	-263.14	
			<i>For >40, Deduct</i>	-557.29	
26 56	13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,501.25	460.41
			<i>For Galvanized Finish, Add</i>	107.41	
			<i>For >10 To 20, Deduct</i>	-166.24	
			<i>For >20 To 40, Deduct</i>	-296.67	
			<i>For >40, Deduct</i>	-629.15	
26 56	13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,101.97	460.41
			<i>For Galvanized Finish, Add</i>	155.43	
			<i>For >10 To 20, Deduct</i>	-230.27	
			<i>For >20 To 40, Deduct</i>	-408.72	
			<i>For >40, Deduct</i>	-869.25	
26 56	13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,878.79	460.41
			<i>For Galvanized Finish, Add</i>	178.74	
			<i>For >10 To 20, Deduct</i>	-261.34	
			<i>For >20 To 40, Deduct</i>	-463.10	
			<i>For >40, Deduct</i>	-985.78	
26 56	13 00-0228		Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0229		Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0228)</small>		
26 56	13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	630.33	107.43
			<i>For Galvanized Finish, Add</i>	12.46	
			<i>For >10 To 20, Deduct</i>	-21.99	
			<i>For >20 To 40, Deduct</i>	-39.83	
			<i>For >40, Deduct</i>	-83.81	
26 56	13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	661.03	122.78
			<i>For Galvanized Finish, Add</i>	12.46	
			<i>For >10 To 20, Deduct</i>	-22.76	
			<i>For >20 To 40, Deduct</i>	-41.36	
			<i>For >40, Deduct</i>	-86.88	
26 56	13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	711.74	138.12
			<i>For Galvanized Finish, Add</i>	13.06	
			<i>For >10 To 20, Deduct</i>	-24.33	
			<i>For >20 To 40, Deduct</i>	-44.30	
			<i>For >40, Deduct</i>	-92.95	
26 56	13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	755.33	145.79
			<i>For Galvanized Finish, Add</i>	13.91	
			<i>For >10 To 20, Deduct</i>	-25.84	
			<i>For >20 To 40, Deduct</i>	-47.04	
			<i>For >40, Deduct</i>	-98.72	
26 56	13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	770.68	153.47
			<i>For Galvanized Finish, Add</i>	13.91	
			<i>For >10 To 20, Deduct</i>	-26.22	
			<i>For >20 To 40, Deduct</i>	-47.81	
			<i>For >40, Deduct</i>	-100.26	
26 56	13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	814.31	168.82
			<i>For Galvanized Finish, Add</i>	14.30	
			<i>For >10 To 20, Deduct</i>	-27.51	
			<i>For >20 To 40, Deduct</i>	-50.25	
			<i>For >40, Deduct</i>	-105.27	
26 56	13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	855.61	184.17
			<i>For Galvanized Finish, Add</i>	14.62	
			<i>For >10 To 20, Deduct</i>	-28.70	
			<i>For >20 To 40, Deduct</i>	-52.53	
			<i>For >40, Deduct</i>	-109.93	
26 56	13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,049.00	245.55
			<i>For Galvanized Finish, Add</i>	16.74	
			<i>For >10 To 20, Deduct</i>	-34.59	
			<i>For >20 To 40, Deduct</i>	-63.61	
			<i>For >40, Deduct</i>	-132.80	
26 56	13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,014.50	184.17
			<i>For Galvanized Finish, Add</i>	19.39	
			<i>For >10 To 20, Deduct</i>	-35.06	
			<i>For >20 To 40, Deduct</i>	-63.65	
			<i>For >40, Deduct</i>	-133.76	
26 56	13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,267.92	245.55
			<i>For Galvanized Finish, Add</i>	23.30	
			<i>For >10 To 20, Deduct</i>	-43.35	
			<i>For >20 To 40, Deduct</i>	-78.93	
			<i>For >40, Deduct</i>	-165.63	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0240	EA		30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,457.60	276.25
			<i>For Galvanized Finish, Add</i>	27.15	
			<i>For >10 To 20, Deduct</i>	-50.02	
			<i>For >20 To 40, Deduct</i>	-90.98	
			<i>For >40, Deduct</i>	-191.02	
26 56 13 00-0241	EA		20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	970.95	184.17
			<i>For Galvanized Finish, Add</i>	18.08	
			<i>For >10 To 20, Deduct</i>	-33.31	
			<i>For >20 To 40, Deduct</i>	-60.60	
			<i>For >40, Deduct</i>	-127.23	
26 56 13 00-0242	EA		25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,183.18	245.55
			<i>For Galvanized Finish, Add</i>	20.76	
			<i>For >10 To 20, Deduct</i>	-39.96	
			<i>For >20 To 40, Deduct</i>	-73.00	
			<i>For >40, Deduct</i>	-152.92	
26 56 13 00-0243	EA		30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,384.63	276.25
			<i>For Galvanized Finish, Add</i>	24.96	
			<i>For >10 To 20, Deduct</i>	-47.10	
			<i>For >20 To 40, Deduct</i>	-85.87	
			<i>For >40, Deduct</i>	-180.07	
26 56 13 00-0244	EA		20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,120.43	184.17
			<i>For Galvanized Finish, Add</i>	22.56	
			<i>For >10 To 20, Deduct</i>	-39.29	
			<i>For >20 To 40, Deduct</i>	-71.06	
			<i>For >40, Deduct</i>	-149.65	
26 56 13 00-0245	EA		25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,373.85	245.55
			<i>For Galvanized Finish, Add</i>	26.48	
			<i>For >10 To 20, Deduct</i>	-47.59	
			<i>For >20 To 40, Deduct</i>	-86.35	
			<i>For >40, Deduct</i>	-181.52	
26 56 13 00-0246	EA		30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,557.65	276.25
			<i>For Galvanized Finish, Add</i>	30.15	
			<i>For >10 To 20, Deduct</i>	-54.02	
			<i>For >20 To 40, Deduct</i>	-97.99	
			<i>For >40, Deduct</i>	-206.02	
26 56 13 00-0247	EA		35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,734.30	291.59
			<i>For Galvanized Finish, Add</i>	34.53	
			<i>For >10 To 20, Deduct</i>	-60.62	
			<i>For >20 To 40, Deduct</i>	-109.74	
			<i>For >40, Deduct</i>	-230.99	
26 56 13 00-0248	EA		30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,789.52	276.25
			<i>For Galvanized Finish, Add</i>	37.11	
			<i>For >10 To 20, Deduct</i>	-63.29	
			<i>For >20 To 40, Deduct</i>	-114.22	
			<i>For >40, Deduct</i>	-240.80	
26 56 13 00-0249	EA		35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,967.34	291.59
			<i>For Galvanized Finish, Add</i>	41.52	
			<i>For >10 To 20, Deduct</i>	-69.95	
			<i>For >20 To 40, Deduct</i>	-126.05	
			<i>For >40, Deduct</i>	-265.94	
26 56 13 00-0250	EA		40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,081.60	306.94
			<i>For Galvanized Finish, Add</i>	44.03	
			<i>For >10 To 20, Deduct</i>	-74.06	
			<i>For >20 To 40, Deduct</i>	-133.43	
			<i>For >40, Deduct</i>	-281.55	
26 56 13 00-0251			Hinged, Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0252			Hinged, Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0251)</small>		
26 56 13 00-0253	EA		20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,320.04	184.17
			<i>For Galvanized Finish, Add</i>	58.55	
			<i>For >10 To 20, Deduct</i>	-87.28	
			<i>For >20 To 40, Deduct</i>	-155.04	
			<i>For >40, Deduct</i>	-329.59	
26 56 13 00-0254	EA		25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,575.51	245.55
			<i>For Galvanized Finish, Add</i>	62.53	
			<i>For >10 To 20, Deduct</i>	-95.65	
			<i>For >20 To 40, Deduct</i>	-170.46	
			<i>For >40, Deduct</i>	-361.77	
26 56 13 00-0255	EA		30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,628.41	276.25
			<i>For Galvanized Finish, Add</i>	92.28	
			<i>For >10 To 20, Deduct</i>	-136.85	
			<i>For >20 To 40, Deduct</i>	-242.94	
			<i>For >40, Deduct</i>	-516.64	
26 56 13 00-0256	EA		20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,367.61	184.17
			<i>For Galvanized Finish, Add</i>	59.98	
			<i>For >10 To 20, Deduct</i>	-89.18	
			<i>For >20 To 40, Deduct</i>	-158.37	
			<i>For >40, Deduct</i>	-336.73	
26 56 13 00-0257	EA		25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,852.18	245.55
			<i>For Galvanized Finish, Add</i>	70.83	
			<i>For >10 To 20, Deduct</i>	-106.72	
			<i>For >20 To 40, Deduct</i>	-189.83	
			<i>For >40, Deduct</i>	-403.27	
26 56 13 00-0258	EA		30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,040.28	276.25
			<i>For Galvanized Finish, Add</i>	104.63	
			<i>For >10 To 20, Deduct</i>	-153.32	
			<i>For >20 To 40, Deduct</i>	-271.77	
			<i>For >40, Deduct</i>	-578.42	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0259	EA		35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,645.61	291.59
			<i>For Galvanized Finish, Add</i>	121.87	
			<i>For >10 To 20, Deduct</i>	-177.08	
			<i>For >20 To 40, Deduct</i>	-313.53	
			<i>For >40, Deduct</i>	-667.68	
26 56 13 00-0260	EA		39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,473.76	306.94
			<i>For Galvanized Finish, Add</i>	145.80	
			<i>For >10 To 20, Deduct</i>	-209.74	
			<i>For >20 To 40, Deduct</i>	-370.89	
			<i>For >40, Deduct</i>	-790.37	
26 56 13 00-0261	EA		20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,244.93	184.17
			<i>For Galvanized Finish, Add</i>	56.30	
			<i>For >10 To 20, Deduct</i>	-84.27	
			<i>For >20 To 40, Deduct</i>	-149.78	
			<i>For >40, Deduct</i>	-318.32	
26 56 13 00-0262	EA		25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,455.33	245.55
			<i>For Galvanized Finish, Add</i>	58.93	
			<i>For >10 To 20, Deduct</i>	-90.85	
			<i>For >20 To 40, Deduct</i>	-162.05	
			<i>For >40, Deduct</i>	-343.74	
26 56 13 00-0263	EA		30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,416.84	276.25
			<i>For Galvanized Finish, Add</i>	85.93	
			<i>For >10 To 20, Deduct</i>	-128.39	
			<i>For >20 To 40, Deduct</i>	-228.13	
			<i>For >40, Deduct</i>	-484.90	
26 56 13 00-0264	EA		20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,331.31	184.17
			<i>For Galvanized Finish, Add</i>	58.89	
			<i>For >10 To 20, Deduct</i>	-87.73	
			<i>For >20 To 40, Deduct</i>	-155.83	
			<i>For >40, Deduct</i>	-331.28	
26 56 13 00-0265	EA		25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,739.51	245.55
			<i>For Galvanized Finish, Add</i>	67.45	
			<i>For >10 To 20, Deduct</i>	-102.21	
			<i>For >20 To 40, Deduct</i>	-181.94	
			<i>For >40, Deduct</i>	-386.37	
26 56 13 00-0266	EA		30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	3,883.80	276.25
			<i>For Galvanized Finish, Add</i>	99.94	
			<i>For >10 To 20, Deduct</i>	-147.06	
			<i>For >20 To 40, Deduct</i>	-260.82	
			<i>For >40, Deduct</i>	-554.95	
26 56 13 00-0267	EA		20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,464.01	184.17
			<i>For Galvanized Finish, Add</i>	62.87	
			<i>For >10 To 20, Deduct</i>	-93.04	
			<i>For >20 To 40, Deduct</i>	-165.11	
			<i>For >40, Deduct</i>	-351.19	
26 56 13 00-0268	EA		25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,978.63	245.55
			<i>For Galvanized Finish, Add</i>	74.63	
			<i>For >10 To 20, Deduct</i>	-111.78	
			<i>For >20 To 40, Deduct</i>	-198.68	
			<i>For >40, Deduct</i>	-422.24	
26 56 13 00-0269	EA		30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,165.47	276.25
			<i>For Galvanized Finish, Add</i>	108.39	
			<i>For >10 To 20, Deduct</i>	-158.33	
			<i>For >20 To 40, Deduct</i>	-280.53	
			<i>For >40, Deduct</i>	-597.20	
26 56 13 00-0270	EA		35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,798.34	291.59
			<i>For Galvanized Finish, Add</i>	126.45	
			<i>For >10 To 20, Deduct</i>	-183.19	
			<i>For >20 To 40, Deduct</i>	-324.22	
			<i>For >40, Deduct</i>	-690.59	
26 56 13 00-0271	EA		39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,555.13	306.94
			<i>For Galvanized Finish, Add</i>	148.24	
			<i>For >10 To 20, Deduct</i>	-213.00	
			<i>For >20 To 40, Deduct</i>	-376.58	
			<i>For >40, Deduct</i>	-802.58	
26 56 13 00-0272			Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0273			Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	1,741.89	184.17
			<i>For Galvanized Finish, Add</i>	41.21	
			<i>For >10 To 20, Deduct</i>	-64.15	
			<i>For >20 To 40, Deduct</i>	-114.57	
			<i>For >40, Deduct</i>	-242.87	
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,107.12	245.55
			<i>For Galvanized Finish, Add</i>	48.48	
			<i>For >10 To 20, Deduct</i>	-76.92	
			<i>For >20 To 40, Deduct</i>	-137.68	
			<i>For >40, Deduct</i>	-291.51	
26 56 13 00-0276	EA		30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,343.88	276.25
			<i>For Galvanized Finish, Add</i>	53.74	
			<i>For >10 To 20, Deduct</i>	-85.47	
			<i>For >20 To 40, Deduct</i>	-153.02	
			<i>For >40, Deduct</i>	-323.96	
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,606.45	291.59
			<i>For Galvanized Finish, Add</i>	60.70	
			<i>For >10 To 20, Deduct</i>	-95.51	
			<i>For >20 To 40, Deduct</i>	-170.79	
			<i>For >40, Deduct</i>	-361.81	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0278 EA 39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,747.78	306.94
For Galvanized Finish, Add	64.02	
For >10 To 20, Deduct	-100.70	
For >20 To 40, Deduct	-180.07	
For >40, Deduct	-381.47	
26 56 13 00-0279 EA 20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,270.36	184.17
For Galvanized Finish, Add	57.06	
For >10 To 20, Deduct	-85.29	
For >20 To 40, Deduct	-151.56	
For >40, Deduct	-322.14	
26 56 13 00-0280 EA 25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,521.42	245.55
For Galvanized Finish, Add	60.91	
For >10 To 20, Deduct	-93.49	
For >20 To 40, Deduct	-166.68	
For >40, Deduct	-353.66	
26 56 13 00-0281 EA 30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,682.86	276.25
For Galvanized Finish, Add	63.91	
For >10 To 20, Deduct	-99.03	
For >20 To 40, Deduct	-176.75	
For >40, Deduct	-374.80	
26 56 13 00-0282 EA 30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,993.59	276.25
For Galvanized Finish, Add	73.23	
For >10 To 20, Deduct	-111.46	
For >20 To 40, Deduct	-198.50	
For >40, Deduct	-421.41	
26 56 13 00-0283 EA 35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,247.92	291.59
For Galvanized Finish, Add	79.94	
For >10 To 20, Deduct	-121.17	
For >20 To 40, Deduct	-215.69	
For >40, Deduct	-458.03	
26 56 13 00-0284 EA 35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,632.80	291.59
For Galvanized Finish, Add	91.49	
For >10 To 20, Deduct	-136.56	
For >20 To 40, Deduct	-242.63	
For >40, Deduct	-515.76	
26 56 13 00-0285 EA 39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,296.26	306.94
For Galvanized Finish, Add	80.47	
For >10 To 20, Deduct	-122.64	
For >20 To 40, Deduct	-218.46	
For >40, Deduct	-463.75	
26 56 13 00-0286 EA 39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,243.75	306.94
For Galvanized Finish, Add	108.90	
For >10 To 20, Deduct	-160.54	
For >20 To 40, Deduct	-284.78	
For >40, Deduct	-605.87	
26 56 13 00-0287 EA 45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,879.43	399.02
For Galvanized Finish, Add	92.44	
For >10 To 20, Deduct	-143.21	
For >20 To 40, Deduct	-255.60	
For >40, Deduct	-542.01	
26 56 13 00-0288 EA 45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,525.60	399.02
For Galvanized Finish, Add	111.83	
For >10 To 20, Deduct	-169.05	
For >20 To 40, Deduct	-300.83	
For >40, Deduct	-638.94	
26 56 13 00-0289 EA 50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,681.34	460.41
For Galvanized Finish, Add	112.82	
For >10 To 20, Deduct	-173.44	
For >20 To 40, Deduct	-309.28	
For >40, Deduct	-656.16	
26 56 13 00-0290 Factory Accessories For Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291 EA 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	41.73	
26 56 13 00-0292 EA Festoon Outlet Provision For Steel Area Light Poles.....	57.78	
Note: Excludes electrical outlet.		
26 56 13 00-0293 EA Extra Handhole For Steel Area Light Poles	62.06	
26 56 13 00-0294 EA Vibration Dampener For Steel Area Light Poles	63.13	
26 56 13 00-0295 Aluminum Area Light Poles <small>(26 56 13 00-0177)</small>		
Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0296 Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297 Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0296)</small>		
26 56 13 00-0298 EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	643.20	92.08
For Bronze Or Satin Anodized Finish, Add	45.90	
For Black Anodized Finish, Add	91.81	
For >10 To 20, Deduct	-22.97	
For >20 To 40, Deduct	-41.34	
For >40, Deduct	-87.27	
26 56 13 00-0299 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	697.42	107.43
For Bronze Or Satin Anodized Finish, Add	48.26	
For Black Anodized Finish, Add	96.51	
For >10 To 20, Deduct	-24.67	
For >20 To 40, Deduct	-44.52	
For >40, Deduct	-93.87	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0300	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	757.55	122.78
			<i>For Bronze Or Satin Anodized Finish, Add</i>	51.20	
			<i>For Black Anodized Finish, Add</i>	102.40	
			<i>For >10 To 20, Deduct</i>	-26.62	
			<i>For >20 To 40, Deduct</i>	-48.12	
			<i>For >40, Deduct</i>	-101.36	
26 56	13 00-0301	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	818.85	138.12
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.26	
			<i>For Black Anodized Finish, Add</i>	108.52	
			<i>For >10 To 20, Deduct</i>	-28.61	
			<i>For >20 To 40, Deduct</i>	-51.79	
			<i>For >40, Deduct</i>	-109.02	
26 56	13 00-0302	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	854.20	145.79
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.26	
			<i>For Black Anodized Finish, Add</i>	112.52	
			<i>For >10 To 20, Deduct</i>	-29.79	
			<i>For >20 To 40, Deduct</i>	-53.96	
			<i>For >40, Deduct</i>	-113.55	
26 56	13 00-0303	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	888.38	153.47
			<i>For Bronze Or Satin Anodized Finish, Add</i>	58.14	
			<i>For Black Anodized Finish, Add</i>	116.29	
			<i>For >10 To 20, Deduct</i>	-30.93	
			<i>For >20 To 40, Deduct</i>	-56.05	
			<i>For >40, Deduct</i>	-117.91	
26 56	13 00-0304	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	959.00	153.47
			<i>For Bronze Or Satin Anodized Finish, Add</i>	65.21	
			<i>For Black Anodized Finish, Add</i>	130.41	
			<i>For >10 To 20, Deduct</i>	-33.76	
			<i>For >20 To 40, Deduct</i>	-60.99	
			<i>For >40, Deduct</i>	-128.50	
26 56	13 00-0305	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,034.41	168.82
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.68	
			<i>For Black Anodized Finish, Add</i>	139.36	
			<i>For >10 To 20, Deduct</i>	-36.31	
			<i>For >20 To 40, Deduct</i>	-65.66	
			<i>For >40, Deduct</i>	-138.28	
26 56	13 00-0306	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,102.78	184.17
			<i>For Bronze Or Satin Anodized Finish, Add</i>	73.45	
			<i>For Black Anodized Finish, Add</i>	146.89	
			<i>For >10 To 20, Deduct</i>	-38.59	
			<i>For >20 To 40, Deduct</i>	-69.83	
			<i>For >40, Deduct</i>	-147.00	
26 56	13 00-0307	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,114.31	145.79
			<i>For Bronze Or Satin Anodized Finish, Add</i>	82.27	
			<i>For Black Anodized Finish, Add</i>	164.54	
			<i>For >10 To 20, Deduct</i>	-40.20	
			<i>For >20 To 40, Deduct</i>	-72.17	
			<i>For >40, Deduct</i>	-152.57	
26 56	13 00-0308	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,362.89	184.17
			<i>For Bronze Or Satin Anodized Finish, Add</i>	99.46	
			<i>For Black Anodized Finish, Add</i>	198.91	
			<i>For >10 To 20, Deduct</i>	-48.99	
			<i>For >20 To 40, Deduct</i>	-88.04	
			<i>For >40, Deduct</i>	-186.02	
26 56	13 00-0309	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,494.72	184.17
			<i>For Bronze Or Satin Anodized Finish, Add</i>	112.64	
			<i>For Black Anodized Finish, Add</i>	225.28	
			<i>For >10 To 20, Deduct</i>	-54.26	
			<i>For >20 To 40, Deduct</i>	-97.26	
			<i>For >40, Deduct</i>	-205.79	
26 56	13 00-0310	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,741.07	245.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	125.00	
			<i>For Black Anodized Finish, Add</i>	249.99	
			<i>For >10 To 20, Deduct</i>	-62.28	
			<i>For >20 To 40, Deduct</i>	-112.05	
			<i>For >40, Deduct</i>	-236.61	
26 56	13 00-0311	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,036.69	276.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	148.42	
			<i>For Black Anodized Finish, Add</i>	296.84	
			<i>For >10 To 20, Deduct</i>	-73.18	
			<i>For >20 To 40, Deduct</i>	-131.52	
			<i>For >40, Deduct</i>	-277.88	
26 56	13 00-0312	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,183.99	184.17
			<i>For Bronze Or Satin Anodized Finish, Add</i>	81.57	
			<i>For Black Anodized Finish, Add</i>	163.13	
			<i>For >10 To 20, Deduct</i>	-41.83	
			<i>For >20 To 40, Deduct</i>	-75.51	
			<i>For >40, Deduct</i>	-159.18	
26 56	13 00-0313	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,484.13	184.17
			<i>For Bronze Or Satin Anodized Finish, Add</i>	111.58	
			<i>For Black Anodized Finish, Add</i>	223.16	
			<i>For >10 To 20, Deduct</i>	-53.84	
			<i>For >20 To 40, Deduct</i>	-96.52	
			<i>For >40, Deduct</i>	-204.20	
26 56	13 00-0314	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,722.24	245.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	123.11	
			<i>For Black Anodized Finish, Add</i>	246.23	
			<i>For >10 To 20, Deduct</i>	-61.52	
			<i>For >20 To 40, Deduct</i>	-110.73	
			<i>For >40, Deduct</i>	-233.78	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0315	EA		25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,892.91 140.18 280.36 -68.35 -122.68 -259.38	245.55
26 56 13 00-0316	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,229.71 167.72 335.44 -80.90 -145.03 -306.83	276.25
26 56 13 00-0317			Round Straight, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0296)		
26 56 13 00-0318	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	763.25 86.86 -27.77 -49.74 -105.28	92.08
26 56 13 00-0319	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	841.01 93.92 -30.42 -54.57 -115.41	107.43
26 56 13 00-0320	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	914.09 100.28 -32.88 -59.08 -124.84	122.78
26 56 13 00-0321	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	964.79 103.28 -34.45 -62.01 -130.91	138.12
26 56 13 00-0322	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,029.62 108.40 -36.58 -65.93 -139.10	153.47
26 56 13 00-0323	EA		10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	865.73 97.63 -31.41 -56.30 -119.12	107.43
26 56 13 00-0324	EA		12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	936.45 103.64 -33.77 -60.64 -128.19	122.78
26 56 13 00-0325	EA		14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,010.70 110.17 -36.28 -65.22 -137.79	138.12
26 56 13 00-0326	EA		16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,083.76 116.52 -38.75 -69.72 -147.22	153.47
26 56 13 00-0327	EA		18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,162.71 123.76 -41.44 -74.64 -157.53	168.82
26 56 13 00-0328	EA		20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,234.60 129.94 -43.86 -79.06 -166.77	184.17
26 56 13 00-0329	EA		12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	982.35 110.52 -35.61 -63.85 -135.08	122.78
26 56 13 00-0330	EA		14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,064.84 118.29 -38.45 -69.01 -145.91	138.12
26 56 13 00-0331	EA		16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,146.14 125.88 -41.24 -74.09 -156.57	153.47
26 56 13 00-0332	EA		18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,229.80 133.83 -44.13 -79.33 -167.59	168.82

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0333	EA		16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,212.05 135.77 -43.88 -78.70 -166.46	153.47
26 56 13 00-0334	EA		20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,388.79 153.07 -50.03 -89.85 -189.90	184.17
26 56 13 00-0335	EA		12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,025.90 117.05 -37.35 -66.90 -141.61	122.78
26 56 13 00-0336	EA		14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,121.34 126.76 -40.71 -72.97 -154.39	138.12
26 56 13 00-0337	EA		16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,204.99 134.71 -43.60 -78.21 -165.40	153.47
26 56 13 00-0338	EA		18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,295.71 143.71 -46.76 -83.95 -177.48	168.82
26 56 13 00-0339	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,382.90 152.19 -49.79 -89.44 -189.02	184.17
26 56 13 00-0340	EA		16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,290.91 147.60 -47.03 -84.22 -178.29	153.47
26 56 13 00-0341	EA		18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,392.22 158.19 -50.62 -90.70 -191.95	168.82
26 56 13 00-0342	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,419.39 157.66 -51.25 -91.99 -194.49	184.17
26 56 13 00-0343			Round Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0296)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0344	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	586.61 43.31 86.63 -21.16 -37.99 -80.32	76.73
26 56 13 00-0345	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	624.32 45.55 91.10 -22.44 -40.33 -85.21	84.41
26 56 13 00-0346	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	692.63 50.85 101.69 -24.94 -44.80 -94.69	92.08
26 56 13 00-0347	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	719.71 53.55 107.11 -26.03 -46.70 -98.75	92.08
26 56 13 00-0348	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	753.84 56.97 113.93 -27.39 -49.09 -103.87	92.08
26 56 13 00-0349	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	872.75 67.32 134.65 -31.92 -57.10 -120.94	99.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0350	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	931.64 71.68 143.36 -34.04 -60.92 -129.00	107.43
26 56 13 00-0351	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,114.08 89.92 179.85 -41.34 -73.69 -156.37	107.43
26 56 13 00-0352	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,379.00 113.35 226.69 -51.48 -91.62 -194.57	122.78
26 56 13 00-0353	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,567.42 129.12 258.23 -58.55 -104.19 -221.30	138.12
26 56 13 00-0354	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,782.81 150.66 301.31 -67.17 -119.27 -253.61	138.12
26 56 13 00-0355			Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0356			Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0355)</small>		
26 56 13 00-0357	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	517.26 33.31 66.62 -17.93 -32.52 -68.38	92.08
26 56 13 00-0358	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	575.01 36.02 72.03 -19.78 -35.95 -75.51	107.43
26 56 13 00-0359	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	632.78 38.72 77.45 -21.63 -39.38 -82.64	122.78
26 56 13 00-0360	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	701.15 42.49 84.98 -23.90 -43.56 -91.36	138.12
26 56 13 00-0361	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	768.32 46.14 92.28 -26.13 -47.64 -99.90	153.47
26 56 13 00-0362	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	605.61 39.08 78.15 -21.00 -38.10 -80.10	107.43
26 56 13 00-0363	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	681.04 43.55 87.10 -23.56 -42.76 -89.88	122.78
26 56 13 00-0364	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	752.93 47.67 95.34 -25.97 -47.18 -99.13	138.12
26 56 13 00-0365	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	888.47 55.08 110.17 -30.47 -55.44 -116.39	168.82

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0366	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	948.59	184.17
			<i>For Bronze Or Satin Anodized Finish, Add</i>	58.03	
			<i>For Black Anodized Finish, Add</i>	116.05	
			<i>For >10 To 20, Deduct</i>	-32.42	
			<i>For >20 To 40, Deduct</i>	-59.03	
			<i>For >40, Deduct</i>	-123.87	
26 56 13 00-0367	EA		12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	724.59	122.78
			<i>For Bronze Or Satin Anodized Finish, Add</i>	47.90	
			<i>For Black Anodized Finish, Add</i>	95.81	
			<i>For >10 To 20, Deduct</i>	-25.30	
			<i>For >20 To 40, Deduct</i>	-45.81	
			<i>For >40, Deduct</i>	-96.41	
26 56 13 00-0368	EA		14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	803.55	138.12
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.73	
			<i>For Black Anodized Finish, Add</i>	105.46	
			<i>For >10 To 20, Deduct</i>	-28.00	
			<i>For >20 To 40, Deduct</i>	-50.72	
			<i>For >40, Deduct</i>	-106.72	
26 56 13 00-0369	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	890.73	153.47
			<i>For Bronze Or Satin Anodized Finish, Add</i>	58.38	
			<i>For Black Anodized Finish, Add</i>	116.76	
			<i>For >10 To 20, Deduct</i>	-31.03	
			<i>For >20 To 40, Deduct</i>	-56.21	
			<i>For >40, Deduct</i>	-118.26	
26 56 13 00-0370	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	956.73	168.82
			<i>For Bronze Or Satin Anodized Finish, Add</i>	61.91	
			<i>For Black Anodized Finish, Add</i>	123.82	
			<i>For >10 To 20, Deduct</i>	-33.20	
			<i>For >20 To 40, Deduct</i>	-60.22	
			<i>For >40, Deduct</i>	-126.63	
26 56 13 00-0371	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,039.22	184.17
			<i>For Bronze Or Satin Anodized Finish, Add</i>	67.09	
			<i>For Black Anodized Finish, Add</i>	134.18	
			<i>For >10 To 20, Deduct</i>	-36.04	
			<i>For >20 To 40, Deduct</i>	-65.38	
			<i>For >40, Deduct</i>	-137.47	
26 56 13 00-0372	EA		16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,006.08	153.47
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.91	
			<i>For Black Anodized Finish, Add</i>	139.83	
			<i>For >10 To 20, Deduct</i>	-35.64	
			<i>For >20 To 40, Deduct</i>	-64.29	
			<i>For >40, Deduct</i>	-135.57	
26 56 13 00-0373	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,103.86	168.82
			<i>For Bronze Or Satin Anodized Finish, Add</i>	76.62	
			<i>For Black Anodized Finish, Add</i>	153.25	
			<i>For >10 To 20, Deduct</i>	-39.09	
			<i>For >20 To 40, Deduct</i>	-70.52	
			<i>For >40, Deduct</i>	-148.70	
26 56 13 00-0374	EA		20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,153.39	184.17
			<i>For Bronze Or Satin Anodized Finish, Add</i>	78.51	
			<i>For Black Anodized Finish, Add</i>	157.01	
			<i>For >10 To 20, Deduct</i>	-40.61	
			<i>For >20 To 40, Deduct</i>	-73.37	
			<i>For >40, Deduct</i>	-154.59	
26 56 13 00-0375	EA		23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,319.53	214.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	88.98	
			<i>For Black Anodized Finish, Add</i>	177.96	
			<i>For >10 To 20, Deduct</i>	-46.34	
			<i>For >20 To 40, Deduct</i>	-83.77	
			<i>For >40, Deduct</i>	-176.44	
26 56 13 00-0376	EA		25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,492.73	245.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	100.16	
			<i>For Black Anodized Finish, Add</i>	200.33	
			<i>For >10 To 20, Deduct</i>	-52.34	
			<i>For >20 To 40, Deduct</i>	-94.67	
			<i>For >40, Deduct</i>	-199.35	
26 56 13 00-0377	EA		18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,219.20	168.82
			<i>For Bronze Or Satin Anodized Finish, Add</i>	88.16	
			<i>For Black Anodized Finish, Add</i>	176.31	
			<i>For >10 To 20, Deduct</i>	-43.70	
			<i>For >20 To 40, Deduct</i>	-78.59	
			<i>For >40, Deduct</i>	-166.00	
26 56 13 00-0378	EA		20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,293.45	184.17
			<i>For Bronze Or Satin Anodized Finish, Add</i>	92.51	
			<i>For Black Anodized Finish, Add</i>	185.02	
			<i>For >10 To 20, Deduct</i>	-46.21	
			<i>For >20 To 40, Deduct</i>	-83.17	
			<i>For >40, Deduct</i>	-175.60	
26 56 13 00-0379	EA		23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,430.17	214.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	100.05	
			<i>For Black Anodized Finish, Add</i>	200.09	
			<i>For >10 To 20, Deduct</i>	-50.76	
			<i>For >20 To 40, Deduct</i>	-91.52	
			<i>For >40, Deduct</i>	-193.04	
26 56 13 00-0380	EA		25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,577.47	245.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	108.64	
			<i>For Black Anodized Finish, Add</i>	217.27	
			<i>For >10 To 20, Deduct</i>	-55.73	
			<i>For >20 To 40, Deduct</i>	-100.60	
			<i>For >40, Deduct</i>	-212.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0381	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,703.51 118.17 236.34 -60.31 -108.81 -229.44	260.90
26 56	13 00-0382	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,831.89 127.94 255.88 -64.99 -117.18 -247.16	276.25
26 56	13 00-0383	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,539.63 110.99 221.98 -55.14 -99.18 -209.46	214.85
26 56	13 00-0384	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,650.44 115.93 231.87 -58.65 -105.71 -223.01	245.55
26 56	13 00-0385	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,782.37 126.06 252.11 -63.47 -114.33 -241.27	260.90
26 56	13 00-0386	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,954.30 140.18 280.36 -69.88 -125.75 -265.52	276.25
26 56	13 00-0387	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,022.61 145.48 290.95 -72.39 -130.23 -275.00	283.92
26 56	13 00-0388	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,180.38 159.72 319.44 -78.47 -140.96 -297.90	291.59
26 56	13 00-0389	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	772.85 52.73 105.46 -27.23 -49.19 -103.65	122.78
26 56	13 00-0390	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	860.04 58.38 116.76 -30.26 -54.68 -115.19	138.12
26 56	13 00-0391	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	951.94 64.50 129.00 -33.47 -60.50 -127.44	153.47
26 56	13 00-0392	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,030.88 69.33 138.65 -36.17 -65.41 -137.75	168.82
26 56	13 00-0393	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,108.66 74.03 148.07 -38.82 -70.24 -147.88	184.17
26 56	13 00-0394	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,080.23 77.33 154.66 -38.61 -69.48 -146.69	153.47
26 56	13 00-0395	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,181.54 84.39 168.78 -42.20 -75.96 -160.35	168.82



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0396	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,246.37	184.17
			<i>For Bronze Or Satin Anodized Finish, Add</i>	87.80	
			<i>For Black Anodized Finish, Add</i>	175.61	
			<i>For >10 To 20, Deduct</i>	-44.33	
			<i>For >20 To 40, Deduct</i>	-79.88	
			<i>For >40, Deduct</i>	-168.54	
26 56	13 00-0397	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,406.63	214.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	97.69	
			<i>For Black Anodized Finish, Add</i>	195.38	
			<i>For >10 To 20, Deduct</i>	-49.82	
			<i>For >20 To 40, Deduct</i>	-89.87	
			<i>For >40, Deduct</i>	-189.51	
26 56	13 00-0398	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,573.94	245.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	108.28	
			<i>For Black Anodized Finish, Add</i>	216.57	
			<i>For >10 To 20, Deduct</i>	-55.59	
			<i>For >20 To 40, Deduct</i>	-100.35	
			<i>For >40, Deduct</i>	-211.54	
26 56	13 00-0399	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,672.63	214.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	124.29	
			<i>For Black Anodized Finish, Add</i>	248.58	
			<i>For >10 To 20, Deduct</i>	-60.46	
			<i>For >20 To 40, Deduct</i>	-108.49	
			<i>For >40, Deduct</i>	-229.41	
26 56	13 00-0400	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,827.00	245.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	133.59	
			<i>For Black Anodized Finish, Add</i>	267.18	
			<i>For >10 To 20, Deduct</i>	-65.71	
			<i>For >20 To 40, Deduct</i>	-118.07	
			<i>For >40, Deduct</i>	-249.50	
26 56	13 00-0401	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,973.04	260.90
			<i>For Bronze Or Satin Anodized Finish, Add</i>	145.12	
			<i>For Black Anodized Finish, Add</i>	290.25	
			<i>For >10 To 20, Deduct</i>	-71.09	
			<i>For >20 To 40, Deduct</i>	-127.68	
			<i>For >40, Deduct</i>	-269.87	
26 56	13 00-0402	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,099.07	276.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	154.66	
			<i>For Black Anodized Finish, Add</i>	309.32	
			<i>For >10 To 20, Deduct</i>	-75.68	
			<i>For >20 To 40, Deduct</i>	-135.89	
			<i>For >40, Deduct</i>	-287.24	
26 56	13 00-0403	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,228.59	283.92
			<i>For Bronze Or Satin Anodized Finish, Add</i>	166.08	
			<i>For Black Anodized Finish, Add</i>	332.15	
			<i>For >10 To 20, Deduct</i>	-80.63	
			<i>For >20 To 40, Deduct</i>	-144.64	
			<i>For >40, Deduct</i>	-305.90	
26 56	13 00-0404	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,339.27	291.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	175.61	
			<i>For Black Anodized Finish, Add</i>	351.22	
			<i>For >10 To 20, Deduct</i>	-84.82	
			<i>For >20 To 40, Deduct</i>	-152.09	
			<i>For >40, Deduct</i>	-321.73	
26 56	13 00-0405	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,431.12	299.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	183.26	
			<i>For Black Anodized Finish, Add</i>	366.52	
			<i>For >10 To 20, Deduct</i>	-88.27	
			<i>For >20 To 40, Deduct</i>	-158.21	
			<i>For >40, Deduct</i>	-334.74	
26 56	13 00-0406	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,611.25	306.94
			<i>For Bronze Or Satin Anodized Finish, Add</i>	199.74	
			<i>For Black Anodized Finish, Add</i>	399.47	
			<i>For >10 To 20, Deduct</i>	-95.24	
			<i>For >20 To 40, Deduct</i>	-170.51	
			<i>For >40, Deduct</i>	-360.99	
26 56	13 00-0407	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,481.50	260.90
			<i>For Bronze Or Satin Anodized Finish, Add</i>	195.97	
			<i>For Black Anodized Finish, Add</i>	391.94	
			<i>For >10 To 20, Deduct</i>	-91.43	
			<i>For >20 To 40, Deduct</i>	-163.27	
			<i>For >40, Deduct</i>	-346.14	
26 56	13 00-0408	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,687.57	276.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	213.51	
			<i>For Black Anodized Finish, Add</i>	427.02	
			<i>For >10 To 20, Deduct</i>	-99.22	
			<i>For >20 To 40, Deduct</i>	-177.08	
			<i>For >40, Deduct</i>	-375.51	
26 56	13 00-0409	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,840.63	283.92
			<i>For Bronze Or Satin Anodized Finish, Add</i>	227.28	
			<i>For Black Anodized Finish, Add</i>	454.56	
			<i>For >10 To 20, Deduct</i>	-105.11	
			<i>For >20 To 40, Deduct</i>	-187.49	
			<i>For >40, Deduct</i>	-397.70	
26 56	13 00-0410	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,952.49	291.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	236.93	
			<i>For Black Anodized Finish, Add</i>	473.86	
			<i>For >10 To 20, Deduct</i>	-109.35	
			<i>For >20 To 40, Deduct</i>	-195.01	
			<i>For >40, Deduct</i>	-413.71	



	Electrical	26
	Lighting	26 50
	Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0411	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,006.67 240.81 481.63 -111.29 -198.50 -421.07	299.26
26 56	13 00-0412	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,206.81 259.29 518.59 -119.06 -212.20 -450.33	306.94
26 56	13 00-0413	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,320.26 179.85 359.69 -84.98 -151.98 -321.95	260.90
26 56	13 00-0414	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,505.13 195.26 390.53 -91.92 -164.31 -348.15	276.25
26 56	13 00-0415	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,573.45 200.56 401.12 -94.42 -168.78 -357.63	283.92
26 56	13 00-0416	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,777.12 219.39 438.79 -102.34 -182.73 -387.41	291.59
26 56	13 00-0417	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,867.79 226.93 453.85 -105.73 -188.77 -400.24	299.26
26 56	13 00-0418	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,069.10 245.52 491.04 -113.56 -202.56 -429.67	306.94
26 56	13 00-0419	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,057.06 253.53 507.05 -114.46 -203.56 -432.47	260.90
26 56	13 00-0420	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,231.34 267.89 535.77 -120.97 -215.14 -457.08	276.25
26 56	13 00-0421	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,386.76 281.89 563.78 -126.95 -225.72 -479.62	283.92
26 56	13 00-0422	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,637.51 305.43 610.86 -136.75 -242.96 -516.47	291.59
26 56	13 00-0423	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,678.74 308.02 616.04 -138.17 -245.54 -521.88	299.26
26 56	13 00-0424	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,928.31 331.44 662.89 -147.92 -262.70 -558.55	306.94
26 56	13 00-0425	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,780.20 385.94 771.88 -177.40 -316.20 -670.99	460.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0426	EA	50'	High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,926.15	460.41
			<i>For Bronze Or Satin Anodized Finish, Add</i>	400.53	
			<i>For Black Anodized Finish, Add</i>	801.07	
			<i>For >10 To 20, Deduct</i>	-183.23	
			<i>For >20 To 40, Deduct</i>	-326.41	
			<i>For >40, Deduct</i>	-692.88	

26 56 13 00-0427 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0355)

26 56 13 00-0428	EA	8'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	770.32	92.08
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	87.92	
			<i>For >10 To 20, Deduct</i>	-28.05	
			<i>For >20 To 40, Deduct</i>	-50.24	
			<i>For >40, Deduct</i>	-106.34	
26 56 13 00-0429	EA	10'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	825.71	107.43
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	91.63	
			<i>For >10 To 20, Deduct</i>	-29.81	
			<i>For >20 To 40, Deduct</i>	-53.50	
			<i>For >40, Deduct</i>	-113.11	
26 56 13 00-0430	EA	12'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	882.31	122.78
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	95.51	
			<i>For >10 To 20, Deduct</i>	-31.61	
			<i>For >20 To 40, Deduct</i>	-56.85	
			<i>For >40, Deduct</i>	-120.07	
26 56 13 00-0431	EA	14'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	941.25	138.12
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	99.75	
			<i>For >10 To 20, Deduct</i>	-33.51	
			<i>For >20 To 40, Deduct</i>	-60.36	
			<i>For >40, Deduct</i>	-127.38	
26 56 13 00-0432	EA	16'	High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	999.02	153.47
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	103.81	
			<i>For >10 To 20, Deduct</i>	-35.36	
			<i>For >20 To 40, Deduct</i>	-63.79	
			<i>For >40, Deduct</i>	-134.51	
26 56 13 00-0433	EA	10'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	839.84	107.43
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	93.75	
			<i>For >10 To 20, Deduct</i>	-30.37	
			<i>For >20 To 40, Deduct</i>	-54.49	
			<i>For >40, Deduct</i>	-115.23	
26 56 13 00-0434	EA	12'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	898.79	122.78
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	97.99	
			<i>For >10 To 20, Deduct</i>	-32.27	
			<i>For >20 To 40, Deduct</i>	-58.00	
			<i>For >40, Deduct</i>	-122.54	
26 56 13 00-0435	EA	14'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	960.09	138.12
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	102.58	
			<i>For >10 To 20, Deduct</i>	-34.26	
			<i>For >20 To 40, Deduct</i>	-61.68	
			<i>For >40, Deduct</i>	-130.20	
26 56 13 00-0436	EA	16'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,020.20	153.47
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	106.99	
			<i>For >10 To 20, Deduct</i>	-36.20	
			<i>For >20 To 40, Deduct</i>	-65.28	
			<i>For >40, Deduct</i>	-137.68	
26 56 13 00-0437	EA	18'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,095.62	168.82
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	113.70	
			<i>For >10 To 20, Deduct</i>	-38.76	
			<i>For >20 To 40, Deduct</i>	-69.94	
			<i>For >40, Deduct</i>	-147.46	
26 56 13 00-0438	EA	20'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,160.45	184.17
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	118.82	
			<i>For >10 To 20, Deduct</i>	-40.89	
			<i>For >20 To 40, Deduct</i>	-73.86	
			<i>For >40, Deduct</i>	-155.65	
26 56 13 00-0439	EA	12'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	944.69	122.78
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	104.87	
			<i>For >10 To 20, Deduct</i>	-34.10	
			<i>For >20 To 40, Deduct</i>	-61.22	
			<i>For >40, Deduct</i>	-129.43	
26 56 13 00-0440	EA	14'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,011.87	138.12
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	110.34	
			<i>For >10 To 20, Deduct</i>	-36.33	
			<i>For >20 To 40, Deduct</i>	-65.31	
			<i>For >40, Deduct</i>	-137.97	
26 56 13 00-0441	EA	16'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,093.18	153.47
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	117.94	
			<i>For >10 To 20, Deduct</i>	-39.12	
			<i>For >20 To 40, Deduct</i>	-70.38	
			<i>For >40, Deduct</i>	-148.63	
26 56 13 00-0442	EA	18'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,162.71	168.82
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	123.76	
			<i>For >10 To 20, Deduct</i>	-41.44	
			<i>For >20 To 40, Deduct</i>	-74.64	
			<i>For >40, Deduct</i>	-157.53	
26 56 13 00-0443	EA	20'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,247.55	184.17
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	131.88	
			<i>For >10 To 20, Deduct</i>	-44.38	
			<i>For >20 To 40, Deduct</i>	-79.96	
			<i>For >40, Deduct</i>	-168.72	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0444	EA		16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,160.26 128.00 -41.81 -75.08 -158.69	153.47
26 56 13 00-0445	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,253.34 137.36 -45.07 -80.98 -171.12	168.82
26 56 13 00-0446	EA		20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,320.52 142.83 -47.30 -85.07 -179.66	184.17
26 56 13 00-0447	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	981.17 110.34 -35.56 -63.77 -134.90	122.78
26 56 13 00-0448	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,067.19 118.64 -38.54 -69.18 -146.27	138.12
26 56 13 00-0449	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,160.26 128.00 -41.81 -75.08 -158.69	153.47
26 56 13 00-0450	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,239.21 135.24 -44.50 -79.99 -169.00	168.82
26 56 13 00-0451	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,326.41 143.71 -47.53 -85.48 -180.55	184.17
26 56 13 00-0452	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,236.77 139.47 -44.87 -80.44 -170.17	153.47
26 56 13 00-0453	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,339.26 150.24 -48.51 -87.00 -184.01	168.82
26 56 13 00-0454	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,412.33 156.60 -50.97 -91.50 -193.43	184.17
26 56 13 00-0455			Round Tapered, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0355)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0456	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	501.86 34.84 69.68 -17.77 -32.06 -67.61	76.73
26 56 13 00-0457	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	534.82 38.14 76.27 -19.09 -34.37 -72.55	76.73
26 56 13 00-0458	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	577.24 40.84 81.68 -20.56 -37.03 -78.15	84.41
26 56 13 00-0459	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	611.42 42.73 85.45 -21.69 -39.12 -82.50	92.08
26 56 13 00-0460	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	653.79 46.96 93.92 -23.39 -42.08 -88.86	92.08



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0461	EA	12'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	609.02	84.41
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.02	
			<i>For Black Anodized Finish, Add</i>	88.04	
			<i>For >10 To 20, Deduct</i>	-21.83	
			<i>For >20 To 40, Deduct</i>	-39.26	
			<i>For >40, Deduct</i>	-82.91	
26 56 13 00-0462	EA	14'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	657.32	92.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	47.32	
			<i>For Black Anodized Finish, Add</i>	94.63	
			<i>For >10 To 20, Deduct</i>	-23.53	
			<i>For >20 To 40, Deduct</i>	-42.33	
			<i>For >40, Deduct</i>	-89.39	
26 56 13 00-0463	EA	16'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	680.86	92.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.67	
			<i>For Black Anodized Finish, Add</i>	99.34	
			<i>For >10 To 20, Deduct</i>	-24.47	
			<i>For >20 To 40, Deduct</i>	-43.98	
			<i>For >40, Deduct</i>	-92.92	
26 56 13 00-0464	EA	18'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	733.87	99.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.44	
			<i>For Black Anodized Finish, Add</i>	106.87	
			<i>For >10 To 20, Deduct</i>	-26.36	
			<i>For >20 To 40, Deduct</i>	-47.38	
			<i>For >40, Deduct</i>	-100.11	
26 56 13 00-0465	EA	20'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	782.16	107.43
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.73	
			<i>For Black Anodized Finish, Add</i>	113.46	
			<i>For >10 To 20, Deduct</i>	-28.06	
			<i>For >20 To 40, Deduct</i>	-50.45	
			<i>For >40, Deduct</i>	-106.58	
26 56 13 00-0466	EA	16'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	749.13	92.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.50	
			<i>For Black Anodized Finish, Add</i>	112.99	
			<i>For >10 To 20, Deduct</i>	-27.20	
			<i>For >20 To 40, Deduct</i>	-48.76	
			<i>For >40, Deduct</i>	-103.16	
26 56 13 00-0467	EA	18'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	809.20	99.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.97	
			<i>For Black Anodized Finish, Add</i>	121.94	
			<i>For >10 To 20, Deduct</i>	-29.38	
			<i>For >20 To 40, Deduct</i>	-52.65	
			<i>For >40, Deduct</i>	-111.40	
26 56 13 00-0468	EA	20'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	863.38	107.43
			<i>For Bronze Or Satin Anodized Finish, Add</i>	64.85	
			<i>For Black Anodized Finish, Add</i>	129.71	
			<i>For >10 To 20, Deduct</i>	-31.31	
			<i>For >20 To 40, Deduct</i>	-56.14	
			<i>For >40, Deduct</i>	-118.76	
26 56 13 00-0469	EA	18'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	905.71	99.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	70.62	
			<i>For Black Anodized Finish, Add</i>	141.24	
			<i>For >10 To 20, Deduct</i>	-33.24	
			<i>For >20 To 40, Deduct</i>	-59.41	
			<i>For >40, Deduct</i>	-125.88	
26 56 13 00-0470	EA	25'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,171.85	122.78
			<i>For Bronze Or Satin Anodized Finish, Add</i>	92.63	
			<i>For Black Anodized Finish, Add</i>	185.26	
			<i>For >10 To 20, Deduct</i>	-43.19	
			<i>For >20 To 40, Deduct</i>	-77.12	
			<i>For >40, Deduct</i>	-163.50	
26 56 13 00-0471	EA	25'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,304.85	122.78
			<i>For Bronze Or Satin Anodized Finish, Add</i>	105.93	
			<i>For Black Anodized Finish, Add</i>	211.86	
			<i>For >10 To 20, Deduct</i>	-48.51	
			<i>For >20 To 40, Deduct</i>	-86.43	
			<i>For >40, Deduct</i>	-183.45	
26 56 13 00-0472	EA	30'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,449.72	138.12
			<i>For Bronze Or Satin Anodized Finish, Add</i>	117.35	
			<i>For Black Anodized Finish, Add</i>	234.69	
			<i>For >10 To 20, Deduct</i>	-53.85	
			<i>For >20 To 40, Deduct</i>	-95.96	
			<i>For >40, Deduct</i>	-203.65	
26 56 13 00-0473	EA	30'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,594.49	138.12
			<i>For Bronze Or Satin Anodized Finish, Add</i>	131.82	
			<i>For Black Anodized Finish, Add</i>	263.65	
			<i>For >10 To 20, Deduct</i>	-59.64	
			<i>For >20 To 40, Deduct</i>	-106.09	
			<i>For >40, Deduct</i>	-225.36	
26 56 13 00-0474			Square Straight, Aluminum Area Light Poles (26 56 13 00-0295)		
26 56 13 00-0475			Square Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0474)		
26 56 13 00-0476	EA	8'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	670.27	92.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	48.61	
			<i>For Black Anodized Finish, Add</i>	97.22	
			<i>For >10 To 20, Deduct</i>	-24.05	
			<i>For >20 To 40, Deduct</i>	-43.24	
			<i>For >40, Deduct</i>	-91.33	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0477	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	725.67 51.08 102.16 -25.80 -46.50 -98.11	107.43
26 56	13 00-0478	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	790.50 54.50 108.99 -27.94 -50.42 -106.30	122.78
26 56	13 00-0479	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	854.16 57.79 115.58 -30.02 -54.27 -114.31	138.12
26 56	13 00-0480	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	890.68 59.91 119.82 -31.25 -56.52 -119.02	145.79
26 56	13 00-0481	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	927.22 62.03 124.06 -32.48 -58.77 -123.74	153.47
26 56	13 00-0482	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	997.93 66.03 132.06 -34.85 -63.10 -132.81	168.82
26 56	13 00-0483	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,079.24 71.09 142.18 -37.64 -68.18 -143.47	184.17
26 56	13 00-0484	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,008.43 70.15 140.30 -35.73 -64.45 -135.92	153.47
26 56	13 00-0485	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,081.49 74.39 148.77 -38.20 -68.95 -145.34	168.82
26 56	13 00-0486	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,169.87 80.15 160.31 -41.27 -74.52 -157.06	184.17
26 56	13 00-0487	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,243.78 95.22 190.44 -45.38 -81.23 -171.99	145.79
26 56	13 00-0488	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,507.67 113.93 227.87 -54.78 -98.17 -207.73	184.17
26 56	13 00-0489	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,777.56 128.65 257.29 -63.74 -114.61 -242.08	245.55
26 56	13 00-0490	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,242.84 87.45 174.90 -44.19 -79.63 -168.01	184.17
26 56	13 00-0491	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,650.08 128.18 256.35 -60.48 -108.14 -229.10	184.17

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0492	EA		25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,907.03	245.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	141.59	
			<i>For Black Anodized Finish, Add</i>	283.19	
			<i>For >10 To 20, Deduct</i>	-68.91	
			<i>For >20 To 40, Deduct</i>	-123.67	
			<i>For >40, Deduct</i>	-261.50	
26 56 13 00-0493	EA		20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,873.71	184.17
			<i>For Bronze Or Satin Anodized Finish, Add</i>	150.54	
			<i>For Black Anodized Finish, Add</i>	301.08	
			<i>For >10 To 20, Deduct</i>	-69.42	
			<i>For >20 To 40, Deduct</i>	-123.79	
			<i>For >40, Deduct</i>	-262.64	
26 56 13 00-0494	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,198.93	245.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	170.78	
			<i>For Black Anodized Finish, Add</i>	341.57	
			<i>For >10 To 20, Deduct</i>	-80.59	
			<i>For >20 To 40, Deduct</i>	-144.10	
			<i>For >40, Deduct</i>	-305.28	
26 56 13 00-0495	EA		30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,563.98	276.25
			<i>For Bronze Or Satin Anodized Finish, Add</i>	201.15	
			<i>For Black Anodized Finish, Add</i>	402.30	
			<i>For >10 To 20, Deduct</i>	-94.27	
			<i>For >20 To 40, Deduct</i>	-168.43	
			<i>For >40, Deduct</i>	-356.97	
26 56 13 00-0496			Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0474)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0497	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	617.21	76.73
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.37	
			<i>For Black Anodized Finish, Add</i>	92.75	
			<i>For >10 To 20, Deduct</i>	-22.39	
			<i>For >20 To 40, Deduct</i>	-40.14	
			<i>For >40, Deduct</i>	-84.91	
26 56 13 00-0498	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	692.58	84.41
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.38	
			<i>For Black Anodized Finish, Add</i>	104.75	
			<i>For >10 To 20, Deduct</i>	-25.17	
			<i>For >20 To 40, Deduct</i>	-45.10	
			<i>For >40, Deduct</i>	-95.45	
26 56 13 00-0499	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	732.65	92.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.85	
			<i>For Black Anodized Finish, Add</i>	109.70	
			<i>For >10 To 20, Deduct</i>	-26.54	
			<i>For >20 To 40, Deduct</i>	-47.60	
			<i>For >40, Deduct</i>	-100.69	
26 56 13 00-0500	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	762.08	92.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	57.79	
			<i>For Black Anodized Finish, Add</i>	115.58	
			<i>For >10 To 20, Deduct</i>	-27.72	
			<i>For >20 To 40, Deduct</i>	-49.66	
			<i>For >40, Deduct</i>	-105.10	
26 56 13 00-0501	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	798.56	92.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	61.44	
			<i>For Black Anodized Finish, Add</i>	122.88	
			<i>For >10 To 20, Deduct</i>	-29.18	
			<i>For >20 To 40, Deduct</i>	-52.22	
			<i>For >40, Deduct</i>	-110.58	
26 56 13 00-0502	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	938.67	99.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	73.92	
			<i>For Black Anodized Finish, Add</i>	147.83	
			<i>For >10 To 20, Deduct</i>	-34.55	
			<i>For >20 To 40, Deduct</i>	-61.72	
			<i>For >40, Deduct</i>	-130.83	
26 56 13 00-0503	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,004.62	107.43
			<i>For Bronze Or Satin Anodized Finish, Add</i>	78.98	
			<i>For Black Anodized Finish, Add</i>	157.95	
			<i>For >10 To 20, Deduct</i>	-36.96	
			<i>For >20 To 40, Deduct</i>	-66.03	
			<i>For >40, Deduct</i>	-139.95	
26 56 13 00-0504	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,189.41	107.43
			<i>For Bronze Or Satin Anodized Finish, Add</i>	97.46	
			<i>For Black Anodized Finish, Add</i>	194.91	
			<i>For >10 To 20, Deduct</i>	-44.35	
			<i>For >20 To 40, Deduct</i>	-78.96	
			<i>For >40, Deduct</i>	-167.67	
26 56 13 00-0505	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,368.41	122.78
			<i>For Bronze Or Satin Anodized Finish, Add</i>	112.29	
			<i>For Black Anodized Finish, Add</i>	224.57	
			<i>For >10 To 20, Deduct</i>	-51.05	
			<i>For >20 To 40, Deduct</i>	-90.88	
			<i>For >40, Deduct</i>	-192.98	
26 56 13 00-0506	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,781.53	122.78
			<i>For Bronze Or Satin Anodized Finish, Add</i>	153.60	
			<i>For Black Anodized Finish, Add</i>	307.20	
			<i>For >10 To 20, Deduct</i>	-67.58	
			<i>For >20 To 40, Deduct</i>	-119.80	
			<i>For >40, Deduct</i>	-254.95	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0507			Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0295)		
26 56 13 00-0508	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles.....	41.73	
26 56 13 00-0509	EA		Extra Handhole For Aluminum Area Light Poles.....	43.87	
26 56 13 00-0510	EA		Festoon Outlet Provision For Aluminum Area Light Poles.....	44.94	
			Note: Excludes electrical outlet.		
26 56 13 00-0511	EA		Vibration Dampener For Aluminum Area Light Poles.....	63.13	
26 56 13 00-0512			Fiberglass Area Light Poles (26 56 13 00-0177)		
			Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0513			Round Tapered, Fiberglass Area Light Poles (26 56 13 00-0512)		
26 56 13 00-0514			Round Tapered, Fiberglass Area Light Poles, Anchor Base (26 56 13 00-0513)		
26 56 13 00-0515	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	906.93	107.43
			For >10 To 20, Deduct	-33.05	
			For >20 To 40, Deduct	-59.19	
			For >40, Deduct	-125.30	
26 56 13 00-0516	EA		12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	978.82	122.78
			For >10 To 20, Deduct	-35.47	
			For >20 To 40, Deduct	-63.61	
			For >40, Deduct	-134.55	
26 56 13 00-0517	EA		14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,051.89	138.12
			For >10 To 20, Deduct	-37.93	
			For >20 To 40, Deduct	-68.11	
			For >40, Deduct	-143.97	
26 56 13 00-0518	EA		16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,123.78	153.47
			For >10 To 20, Deduct	-40.35	
			For >20 To 40, Deduct	-72.53	
			For >40, Deduct	-153.22	
26 56 13 00-0519	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,216.85	168.82
			For >10 To 20, Deduct	-43.61	
			For >20 To 40, Deduct	-78.43	
			For >40, Deduct	-165.65	
26 56 13 00-0520	EA		20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,291.10	184.17
			For >10 To 20, Deduct	-46.12	
			For >20 To 40, Deduct	-83.01	
			For >40, Deduct	-175.25	
26 56 13 00-0521	EA		22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,394.86	214.85
			For >10 To 20, Deduct	-49.35	
			For >20 To 40, Deduct	-89.05	
			For >40, Deduct	-187.74	
26 56 13 00-0522	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,497.44	245.55
			For >10 To 20, Deduct	-52.53	
			For >20 To 40, Deduct	-95.00	
			For >40, Deduct	-200.06	
26 56 13 00-0523	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,592.77	245.55
			For >10 To 20, Deduct	-56.34	
			For >20 To 40, Deduct	-101.67	
			For >40, Deduct	-214.36	
26 56 13 00-0524	EA		28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,707.04	260.90
			For >10 To 20, Deduct	-60.45	
			For >20 To 40, Deduct	-109.06	
			For >40, Deduct	-229.97	
26 56 13 00-0525	EA		30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,821.30	276.25
			For >10 To 20, Deduct	-64.56	
			For >20 To 40, Deduct	-116.44	
			For >40, Deduct	-245.57	
26 56 13 00-0526	EA		10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,015.21	107.43
			For >10 To 20, Deduct	-37.39	
			For >20 To 40, Deduct	-66.77	
			For >40, Deduct	-141.54	
26 56 13 00-0527	EA		12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,065.92	122.78
			For >10 To 20, Deduct	-38.95	
			For >20 To 40, Deduct	-69.70	
			For >40, Deduct	-147.61	
26 56 13 00-0528	EA		14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,117.81	138.12
			For >10 To 20, Deduct	-40.57	
			For >20 To 40, Deduct	-72.72	
			For >40, Deduct	-153.86	
26 56 13 00-0529	EA		16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,172.04	153.47
			For >10 To 20, Deduct	-42.28	
			For >20 To 40, Deduct	-75.90	
			For >40, Deduct	-160.46	
26 56 13 00-0530	EA		18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,232.15	168.82
			For >10 To 20, Deduct	-44.22	
			For >20 To 40, Deduct	-79.50	
			For >40, Deduct	-167.94	
26 56 13 00-0531	EA		20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,291.10	184.17
			For >10 To 20, Deduct	-46.12	
			For >20 To 40, Deduct	-83.01	
			For >40, Deduct	-175.25	
26 56 13 00-0532	EA		22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,380.74	214.85
			For >10 To 20, Deduct	-48.78	
			For >20 To 40, Deduct	-88.06	
			For >40, Deduct	-185.63	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0533	EA	24'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,497.44	245.55
			<i>For >10 To 20, Deduct</i>	-52.53	
			<i>For >20 To 40, Deduct</i>	-95.00	
			<i>For >40, Deduct</i>	-200.06	
26 56 13 00-0534	EA	26'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,537.45	245.55
			<i>For >10 To 20, Deduct</i>	-54.13	
			<i>For >20 To 40, Deduct</i>	-97.80	
			<i>For >40, Deduct</i>	-206.06	
26 56 13 00-0535	EA	28'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,609.35	260.90
			<i>For >10 To 20, Deduct</i>	-56.55	
			<i>For >20 To 40, Deduct</i>	-102.22	
			<i>For >40, Deduct</i>	-215.31	
26 56 13 00-0536	EA	30'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,681.23	276.25
			<i>For >10 To 20, Deduct</i>	-58.96	
			<i>For >20 To 40, Deduct</i>	-106.64	
			<i>For >40, Deduct</i>	-224.56	
26 56 13 00-0537	EA	10'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,174.11	107.43
			<i>For >10 To 20, Deduct</i>	-43.74	
			<i>For >20 To 40, Deduct</i>	-77.89	
			<i>For >40, Deduct</i>	-165.37	
26 56 13 00-0538	EA	12'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,241.29	122.78
			<i>For >10 To 20, Deduct</i>	-45.97	
			<i>For >20 To 40, Deduct</i>	-81.98	
			<i>For >40, Deduct</i>	-173.92	
26 56 13 00-0539	EA	14'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,308.48	138.12
			<i>For >10 To 20, Deduct</i>	-48.20	
			<i>For >20 To 40, Deduct</i>	-86.07	
			<i>For >40, Deduct</i>	-182.46	
26 56 13 00-0540	EA	16'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,376.83	153.47
			<i>For >10 To 20, Deduct</i>	-50.47	
			<i>For >20 To 40, Deduct</i>	-90.24	
			<i>For >40, Deduct</i>	-191.18	
26 56 13 00-0541	EA	18'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,449.89	168.82
			<i>For >10 To 20, Deduct</i>	-52.93	
			<i>For >20 To 40, Deduct</i>	-94.74	
			<i>For >40, Deduct</i>	-200.60	
26 56 13 00-0542	EA	20'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,530.03	184.17
			<i>For >10 To 20, Deduct</i>	-55.68	
			<i>For >20 To 40, Deduct</i>	-99.74	
			<i>For >40, Deduct</i>	-211.09	
26 56 13 00-0543	EA	22'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,651.45	214.85
			<i>For >10 To 20, Deduct</i>	-59.61	
			<i>For >20 To 40, Deduct</i>	-107.01	
			<i>For >40, Deduct</i>	-226.23	
26 56 13 00-0544	EA	24'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,774.03	245.55
			<i>For >10 To 20, Deduct</i>	-63.59	
			<i>For >20 To 40, Deduct</i>	-114.36	
			<i>For >40, Deduct</i>	-241.55	
26 56 13 00-0545	EA	26'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,835.23	245.55
			<i>For >10 To 20, Deduct</i>	-66.04	
			<i>For >20 To 40, Deduct</i>	-118.64	
			<i>For >40, Deduct</i>	-250.73	
26 56 13 00-0546	EA	28'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,962.45	260.90
			<i>For >10 To 20, Deduct</i>	-70.67	
			<i>For >20 To 40, Deduct</i>	-126.94	
			<i>For >40, Deduct</i>	-268.28	
26 56 13 00-0547	EA	30'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,062.58	276.25
			<i>For >10 To 20, Deduct</i>	-74.22	
			<i>For >20 To 40, Deduct</i>	-133.33	
			<i>For >40, Deduct</i>	-281.76	
26 56 13 00-0548	EA	32'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,147.37	283.92
			<i>For >10 To 20, Deduct</i>	-77.38	
			<i>For >20 To 40, Deduct</i>	-138.96	
			<i>For >40, Deduct</i>	-293.71	
26 56 13 00-0549	EA	34'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,232.17	291.59
			<i>For >10 To 20, Deduct</i>	-80.54	
			<i>For >20 To 40, Deduct</i>	-144.59	
			<i>For >40, Deduct</i>	-305.67	

26 56 13 00-0550 Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0513)

26 56 13 00-0551	EA	10'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	548.94	76.73
			<i>For >10 To 20, Deduct</i>	-19.66	
			<i>For >20 To 40, Deduct</i>	-35.36	
			<i>For >40, Deduct</i>	-74.67	
26 56 13 00-0552	EA	12'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	586.66	84.41
			<i>For >10 To 20, Deduct</i>	-20.93	
			<i>For >20 To 40, Deduct</i>	-37.69	
			<i>For >40, Deduct</i>	-79.56	
26 56 13 00-0553	EA	14'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	623.19	92.08
			<i>For >10 To 20, Deduct</i>	-22.17	
			<i>For >20 To 40, Deduct</i>	-39.94	
			<i>For >40, Deduct</i>	-84.27	
26 56 13 00-0554	EA	16'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	643.20	92.08
			<i>For >10 To 20, Deduct</i>	-22.97	
			<i>For >20 To 40, Deduct</i>	-41.34	
			<i>For >40, Deduct</i>	-87.27	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0555	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	691.50	99.76
			For >10 To 20, Deduct	-24.67	
			For >20 To 40, Deduct	-44.41	
			For >40, Deduct	-93.75	
26 56	13 00-0556	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	730.38	107.43
			For >10 To 20, Deduct	-25.99	
			For >20 To 40, Deduct	-46.83	
			For >40, Deduct	-98.81	
26 56	13 00-0557	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	772.80	115.11
			For >10 To 20, Deduct	-27.46	
			For >20 To 40, Deduct	-49.49	
			For >40, Deduct	-104.41	
26 56	13 00-0558	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	821.10	122.78
			For >10 To 20, Deduct	-29.16	
			For >20 To 40, Deduct	-52.57	
			For >40, Deduct	-110.89	
26 56	13 00-0559	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	934.09	122.78
			For >10 To 20, Deduct	-33.68	
			For >20 To 40, Deduct	-60.48	
			For >40, Deduct	-127.84	
26 56	13 00-0560	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,062.44	130.45
			For >10 To 20, Deduct	-38.58	
			For >20 To 40, Deduct	-69.15	
			For >40, Deduct	-146.32	
26 56	13 00-0561	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,190.78	138.12
			For >10 To 20, Deduct	-43.49	
			For >20 To 40, Deduct	-77.83	
			For >40, Deduct	-164.80	
26 56	13 00-0562	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	657.23	76.73
			For >10 To 20, Deduct	-23.99	
			For >20 To 40, Deduct	-42.94	
			For >40, Deduct	-90.91	
26 56	13 00-0563	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	700.82	84.41
			For >10 To 20, Deduct	-25.50	
			For >20 To 40, Deduct	-45.68	
			For >40, Deduct	-96.68	
26 56	13 00-0564	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	744.42	92.08
			For >10 To 20, Deduct	-27.01	
			For >20 To 40, Deduct	-48.43	
			For >40, Deduct	-102.45	
26 56	13 00-0565	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	773.85	92.08
			For >10 To 20, Deduct	-28.19	
			For >20 To 40, Deduct	-50.49	
			For >40, Deduct	-106.87	
26 56	13 00-0566	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	817.43	99.76
			For >10 To 20, Deduct	-29.70	
			For >20 To 40, Deduct	-53.23	
			For >40, Deduct	-112.64	
26 56	13 00-0567	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	861.02	107.43
			For >10 To 20, Deduct	-31.22	
			For >20 To 40, Deduct	-55.97	
			For >40, Deduct	-118.41	
26 56	13 00-0568	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	904.62	115.11
			For >10 To 20, Deduct	-32.73	
			For >20 To 40, Deduct	-58.72	
			For >40, Deduct	-124.18	
26 56	13 00-0569	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	975.29	122.78
			For >10 To 20, Deduct	-35.33	
			For >20 To 40, Deduct	-63.36	
			For >40, Deduct	-134.02	
26 56	13 00-0570	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,084.75	122.78
			For >10 To 20, Deduct	-39.71	
			For >20 To 40, Deduct	-71.02	
			For >40, Deduct	-150.44	
26 56	13 00-0571	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,210.74	130.45
			For >10 To 20, Deduct	-44.52	
			For >20 To 40, Deduct	-79.53	
			For >40, Deduct	-168.57	
26 56	13 00-0572	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,335.55	138.12
			For >10 To 20, Deduct	-49.28	
			For >20 To 40, Deduct	-87.96	
			For >40, Deduct	-186.52	
26 56	13 00-0573	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	752.56	76.73
			For >10 To 20, Deduct	-27.80	
			For >20 To 40, Deduct	-49.61	
			For >40, Deduct	-105.21	
26 56	13 00-0574	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	789.10	84.41
			For >10 To 20, Deduct	-29.03	
			For >20 To 40, Deduct	-51.86	
			For >40, Deduct	-109.92	
26 56	13 00-0575	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	824.46	92.08
			For >10 To 20, Deduct	-30.22	
			For >20 To 40, Deduct	-54.03	
			For >40, Deduct	-114.46	
26 56	13 00-0576	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	844.47	92.08
			For >10 To 20, Deduct	-31.02	
			For >20 To 40, Deduct	-55.43	
			For >40, Deduct	-117.46	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0577	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	879.82	99.76
		<i>For >10 To 20, Deduct</i>	-32.20	
		<i>For >20 To 40, Deduct</i>	-57.60	
		<i>For >40, Deduct</i>	-122.00	
26 56 13 00-0578	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	916.34	107.43
		<i>For >10 To 20, Deduct</i>	-33.43	
		<i>For >20 To 40, Deduct</i>	-59.85	
		<i>For >40, Deduct</i>	-126.71	
26 56 13 00-0579	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	992.90	115.11
		<i>For >10 To 20, Deduct</i>	-36.26	
		<i>For >20 To 40, Deduct</i>	-64.90	
		<i>For >40, Deduct</i>	-137.43	
26 56 13 00-0580	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,083.57	122.78
		<i>For >10 To 20, Deduct</i>	-39.66	
		<i>For >20 To 40, Deduct</i>	-70.94	
		<i>For >40, Deduct</i>	-150.26	
26 56 13 00-0581	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,151.84	122.78
		<i>For >10 To 20, Deduct</i>	-42.39	
		<i>For >20 To 40, Deduct</i>	-75.72	
		<i>For >40, Deduct</i>	-160.50	
26 56 13 00-0582	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,236.63	130.45
		<i>For >10 To 20, Deduct</i>	-45.55	
		<i>For >20 To 40, Deduct</i>	-81.35	
		<i>For >40, Deduct</i>	-172.45	
26 56 13 00-0583	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,321.43	138.12
		<i>For >10 To 20, Deduct</i>	-48.71	
		<i>For >20 To 40, Deduct</i>	-86.98	
		<i>For >40, Deduct</i>	-184.40	
26 56 13 00-0584		Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0512)		
26 56 13 00-0585	EA	Open Or Capped Top For Fiberglass Area Light Poles.....	41.73	
26 56 13 00-0586	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	41.73	
26 56 13 00-0587	EA	Smooth Shaft Finish For Fiberglass Area Light Poles.....	79.18	
26 56 13 00-0588	EA	Festoon Outlet Provision For Fiberglass Area Light Poles.....	83.46	
		Note: Excludes electrical outlet.		
26 56 13 00-0589	EA	Vibration Dampener For Fiberglass Area Light Poles.....	104.86	
26 56 13 00-0590		Concrete Area Light Poles (26 56 13 00-0177)		
26 56 13 00-0591		Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0590)		
26 56 13 00-0592	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,153.59	260.90
26 56 13 00-0593	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,215.88	276.25
26 56 13 00-0594	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,262.08	283.92
26 56 13 00-0595	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,588.77	291.59
26 56 13 00-0596	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,770.30	306.94
26 56 13 00-0597	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,185.07	399.02
26 56 13 00-0598	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,613.56	491.10
26 56 13 00-0599	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,601.89	260.90
		Note: Polished brown with acrylic coating finish.		
26 56 13 00-0600	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,010.79	276.25
		Note: Polished brown with acrylic coating finish.		
26 56 13 00-0601	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	347.75	92.08
26 56 13 00-0602	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	1,561.40	184.10
26 56 13 00-0603	EA	Pole Base Cover For All Octagon Poles.....	134.24	37.57
26 56 13 00-0604	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	276.24	75.13
26 56 13 00-0605		Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0590)		
		Note: Round or square.		
26 56 13 00-0606	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,289.20	122.78
26 56 13 00-0607	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,452.09	153.47
26 56 13 00-0608	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,598.78	184.17
26 56 13 00-0609	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,221.45	276.25
26 56 13 00-0610	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,570.23	291.59
26 56 13 00-0611	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,947.75	306.94
26 56 13 00-0612	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,403.42	399.02
26 56 13 00-0613		Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0590)		
26 56 13 00-0614	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	9,927.46	690.62
26 56 13 00-0615	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	11,796.29	822.36
26 56 13 00-0616	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	13,971.33	1,110.90
26 56 13 00-0617		Treated Wood Area Light Poles (26 56 13 00-0177)		
		See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0618		Cast Iron Decorative Light Posts (26 56 13 00-0177)		
26 56 13 00-0619		Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0618)		
		Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0620	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	728.08	76.73
26 56 13 00-0621	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	766.66	88.40
26 56 13 00-0622	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	831.96	92.08
26 56 13 00-0623	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,023.06	107.43



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0624 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,196.27	116.64
26 56 13 00-0625 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,377.92	125.84
26 56 13 00-0626 Landscape Light Poles (26 56 13 00-0001)		
26 56 13 00-0627 Aluminum Landscape Light Poles (26 56 13 00-0626) Note: Includes painted finish.		
26 56 13 00-0628 Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0627)		
26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0628)		
26 56 13 00-0630 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	288.91	92.08
26 56 13 00-0631 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	577.04	122.78
26 56 13 00-0632 Round Straight, Aluminum Landscape Light Poles, Direct Burial (26 56 13 00-0628)		
26 56 13 00-0633 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	239.62	92.08
26 56 13 00-0634 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	527.75	122.78
26 56 13 00-0635 Steel Landscape Light Poles (26 56 13 00-0626) Note: Includes painted finish.		
26 56 13 00-0636 Round Straight, Steel Landscape Light Poles (26 56 13 00-0635)		
26 56 13 00-0637 Round Straight, Steel Landscape Light Poles, Anchor Base (26 56 13 00-0636)		
26 56 13 00-0638 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	255.41	92.08
26 56 13 00-0639 Round Straight, Steel Landscape Light Poles, Direct Burial (26 56 13 00-0636)		
26 56 13 00-0640 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	239.45	92.08
26 56 13 00-0641 Light Pole Brackets And Arms (26 56 13 00-0001)		
26 56 13 00-0642 Light Pole Brackets (26 56 13 00-0641)		
26 56 13 00-0643 Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0642)		
26 56 13 00-0644 Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0643)		
26 56 13 00-0645 Steel, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0644) Note: Includes powdercoat finish.		
26 56 13 00-0646 EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	322.54	18.42
For Galvanized Finish, Add	28.57	
26 56 13 00-0647 EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	408.74	18.42
For Galvanized Finish, Add	37.19	
26 56 13 00-0648 EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	435.06	18.42
For Galvanized Finish, Add	39.82	
26 56 13 00-0649 EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	597.48	18.42
For Galvanized Finish, Add	56.06	
26 56 13 00-0650 EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	622.77	18.42
For Galvanized Finish, Add	58.59	
26 56 13 00-0651 Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0644) Note: Includes satin brushed or painted finish.		
26 56 13 00-0652 EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	228.69	18.42
For Bronze Or Satin Anodized Finish, Add	19.19	
For Black Anodized Finish, Add	38.37	
26 56 13 00-0653 EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	289.90	18.42
For Bronze Or Satin Anodized Finish, Add	25.31	
For Black Anodized Finish, Add	50.61	
26 56 13 00-0654 EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	306.37	18.42
For Bronze Or Satin Anodized Finish, Add	26.95	
For Black Anodized Finish, Add	53.91	
26 56 13 00-0655 EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	364.05	18.42
For Bronze Or Satin Anodized Finish, Add	32.72	
For Black Anodized Finish, Add	65.44	
26 56 13 00-0656 EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	375.82	18.42
For Bronze Or Satin Anodized Finish, Add	33.90	
For Black Anodized Finish, Add	67.80	
26 56 13 00-0657 Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0643)		
26 56 13 00-0658 Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0657) Note: Includes powdercoat finish.		
26 56 13 00-0659 EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	347.16	18.42
For Galvanized Finish, Add	31.03	
26 56 13 00-0660 EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	429.73	18.42
For Galvanized Finish, Add	39.29	
26 56 13 00-0661 EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	526.70	18.42
For Galvanized Finish, Add	48.99	
26 56 13 00-0662 EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	624.13	18.42
For Galvanized Finish, Add	58.73	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0663			Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0642)		
26 56 13 00-0664			Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0663) Note: Includes powdercoat finish.		
26 56 13 00-0665	EA		One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	325.66	30.70
26 56 13 00-0666	EA		Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	494.65	30.70
26 56 13 00-0667	EA		Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	694.61	30.70
26 56 13 00-0668	EA		Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	760.40	30.70
26 56 13 00-0669			Light Pole Arms (26 56 13 00-0641)		
26 56 13 00-0670			Wood Pole Streetlight Arms (26 56 13 00-0669)		
26 56 13 00-0671			Steel, Wood Pole Streetlight Arms (26 56 13 00-0670)		
26 56 13 00-0672	EA		1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	187.04	27.63
26 56 13 00-0673	EA		1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	197.61	30.70
26 56 13 00-0674	EA		1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	228.49	38.37
26 56 13 00-0675	EA		2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	278.59	30.70
26 56 13 00-0676	EA		2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	309.24	38.37
26 56 13 00-0677	EA		2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	375.52	46.04
26 56 13 00-0678			Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0670)		
26 56 13 00-0679	EA		1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	193.18	30.70
26 56 13 00-0680	EA		2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	260.78	30.70
26 56 13 00-0681	EA		2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	356.42	38.37
26 56 13 00-0682	EA		2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	480.09	46.04
26 56 13 00-0683			Area Light Arms (26 56 13 00-0669)		
26 56 13 00-0684			Steel Area Light Arms (26 56 13 00-0683)		
26 56 13 00-0685	EA		Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	362.70	30.70
26 56 13 00-0686	EA		Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	572.45	33.77
26 56 13 00-0687	EA		Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	636.27	36.84
26 56 13 00-0688	EA		Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	756.58	39.91
26 56 13 00-0689	EA		Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	432.18	38.37
26 56 13 00-0690	EA		Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	620.76	41.43
26 56 13 00-0691			Aluminum Area Light Arms (26 56 13 00-0683)		
26 56 13 00-0692	EA		Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	253.24	30.70
26 56 13 00-0693	EA		Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	310.95	38.37
26 56 13 00-0694	EA		Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	371.03	46.04
26 56 13 00-0695	EA		Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	250.89	30.70
26 56 13 00-0696	EA		Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	384.13	33.77
26 56 13 00-0697	EA		Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	306.25	38.37
26 56 13 00-0698	EA		Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	467.75	41.43
26 56 13 00-0699	EA		Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	373.38	46.04
26 56 13 00-0700	EA		Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	571.37	49.11
26 56 13 00-0701			Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)		
26 56 13 00-0702	EA		Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	1,012.90	
26 56 13 00-0703			Concrete Bases (26 56 13 00-0001)		
26 56 13 00-0704			Concrete Bases, Cast In Place (26 56 13 00-0703) Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0705	VLF		2' Diameter Concrete Base For Poles.....	57.36	
26 56 13 00-0706	VLF		2-1/2' Diameter Concrete Base For Poles.....	72.82	
26 56 13 00-0707	VLF		3' Diameter Concrete Base For Poles.....	89.26	
26 56 13 00-0708	VLF		3-1/2' Diameter Concrete Base For Poles.....	111.86	
26 56 13 00-0709	VLF		4' Diameter Concrete Base For Poles.....	133.59	
26 56 13 00-0710	VLF		5' Diameter Concrete Base For Poles.....	181.25	
26 56 13 00-0711	VLF		6' Diameter Concrete Base For Poles.....	237.66	
26 56 19			Roadway Lighting (26 56)		
26 56 19 00-0001			Metal Halide, Pole Mounted (26 56 19)		
26 56 19 00-0002	EA		175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	522.78	121.94
26 56 19 00-0003	EA		250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	194.05	132.37
26 56 19 00-0004	EA		400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	723.34	142.38
26 56 19 00-0005	EA		1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	872.70	166.88
26 56 19 00-0006			High Pressure Sodium, Pole Mounted (26 56 19)		
26 56 19 00-0007	EA		100 Watt Luminaire High Pressure Sodium Medium Semi Cut-Off Exterior Roadway Fixture, Enclosed And Gasketed	417.01	142.38
26 56 19 00-0008	EA		150 Watt Luminaire High Pressure Sodium Medium Semi Cut-Off Exterior Roadway Fixture, Enclosed And Gasketed	430.68	142.38



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0009 EA 175 Watt Luminaire High Pressure Sodium Medium Semi Cut-Off Exterior Roadway Fixture, Enclosed And Gasketed	450.98	142.38
26 56 19 00-0010 EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	507.28	142.38
26 56 19 00-0011 EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	584.97	142.38
26 56 19 00-0012 EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	804.36	142.38
26 56 19 00-0013 Low Pressure Sodium, Pole Mounted (26 56 19)		
26 56 19 00-0014 EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	511.92	77.45
26 56 19 00-0015 EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	465.17	113.91
26 56 19 00-0016 EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	586.57	113.91
26 56 19 00-0017 Street Light Accessories (26 56 19)		
26 56 19 00-0018 Photo Controls (26 56 19 00-0017)		
26 56 19 00-0019 EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	55.58	
26 56 19 00-0020 EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	67.20	
26 56 19 00-0021 High Mast Fixtures (26 56 19)		
26 56 19 00-0022 Metal Halide (26 56 19 00-0021)		
26 56 19 00-0023 EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,041.27	74.78
26 56 19 00-0024 EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,114.50	74.78
26 56 19 00-0025 EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,101.35	85.43
26 56 19 00-0026 EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,145.28	85.43
26 56 19 00-0027 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,151.78	106.79
26 56 19 00-0028 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,195.72	106.79
26 56 19 00-0029 High Pressure Sodium (26 56 19 00-0021)		
26 56 19 00-0030 EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	1,076.47	74.78
26 56 19 00-0031 EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,120.41	74.78
26 56 19 00-0032 EA 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,306.76	79.06
26 56 19 00-0033 EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,337.27	85.43
26 56 19 00-0034 EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,409.68	106.79
26 56 19 00-0035 Cobra Head Lighting Fixtures (26 56 19)		
26 56 19 00-0036 EA Cobra Head Housing With 150W Lamp	495.47	55.99
26 56 19 00-0037 EA Cobra Head Housing With 175W Lamp	488.15	55.99
26 56 19 00-0038 EA Cobra Head Housing With 250W Lamp	524.23	55.99
26 56 19 00-0039 EA Cobra Head Housing With 400W Lamp	529.65	55.99
26 56 19 00-0040 Holophane Fixtures (26 56 19)		
26 56 19 00-0041 EA Holophane Arcadian Acorn Fixture 175 Metal Halide	800.31	28.00
Note: With converter.		
26 56 19 00-0042 City Of Miami Roadway Lighting (26 56 19)		
26 56 19 00-0043 City Of Miami Roadway Lighting (26 56 19 00-0042)		
26 56 19 00-0044 EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture Mounted To A 25' Stainless Steel Round Tapered Roadway Pole With A 6' Stainless Steel Arm	7,534.22	518.11
Note: Includes one 250 watt pulse metal halide luminaire (Lumec Citea Series CTM-250PMH-SAGMNC-480-SC), one round tapered stainless steel pole with decorative stainless steel base (MillerBernd RSS-A-25-SBC), and one stainless steel arm (Vertex MTA-SS-06). Excludes concrete base.		
26 56 19 00-0045 EA 150 Watt Metal Halide, Post Top Fixture Mounted To A 13' Aboveground Height, Burial Type, Spuncast Tapered Concrete Area Light Pole	5,532.84	306.94
Note: Includes one 150 watt pulse metal halide post top fixture (GE Edison V Luminaire EDVX15PVOLTA11DAABLCK), and one spuncast prestressed tapered concrete pole (Ameron Traditional Victorian II, VEF04).		
26 56 19 00-0046 Roadway Lighting Break-Away Systems (Duraline) (26 56 19 00-0042)		
26 56 19 00-0047 EA Roadway Lighting Break-Away Pole Cable Distribution System (Duraline MG2 FL Lighting System)	1,308.11	
Note: IP-68 Rated. Includes MTP-3 male connector cable (M170900), 3MFP10 fused plug with strap (M170712), surge arrester (M170901), distribution block (M170509), retaining straps, tie plates and splice kits.		
26 56 19 00-0048 LED Roadway Lighting (26 56 19)		
26 56 19 00-0049 LED Roadway Lighting (Philips Lumec) (26 56 19 00-0048)		
26 56 19 00-0050 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) (26 56 19 00-0049)		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0051 EA 49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	848.15	72.52
26 56 19 00-0052 EA 98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,348.62	74.48



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0053			LED Roadway Lighting (Lithonia) <small>(26 56 19 00-0048)</small>		
26 56 19 00-0054			Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) <small>(26 56 19 00-0053)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0055	EA		30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,255.62	68.59
26 56 19 00-0056	EA		60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,103.24	70.56
26 56 19 00-0057			LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0048)</small>		
26 56 19 00-0058			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0057)</small> Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0059	EA		UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.	517.51	66.64
26 56 19 00-0060	EA		30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	586.60	68.59
26 56 19 00-0061	EA		40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	670.28	70.56
26 56 19 00-0062	EA		50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	740.50	72.52
26 56 19 00-0063	EA		60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	810.69	74.48
26 56 19 00-0064	EA		70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	979.77	76.44
26 56 19 00-0065	EA		80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,049.98	78.40
26 56 19 00-0066	EA		90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,119.06	80.36
26 56 19 00-0067	EA		100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,255.56	82.31
26 56 19 00-0068	EA		110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,325.75	84.28
26 56 19 00-0069	EA		120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,395.96	86.24
26 56 19 00-0070			Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) <small>(26 56 19 00-0057)</small> Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0071	EA		40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,080.36	70.56
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 19 00-0072	EA		60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,253.35	74.48
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 19 00-0073	EA		80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,426.36	78.40
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 19 00-0074	EA		100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,599.35	82.31
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 19 00-0075	EA		120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,122.87	86.24
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 19 00-0076	EA		140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,295.86	90.16
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 19 00-0077	EA		160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,468.85	94.08
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 19 00-0078			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 19 00-0057)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0079	EA		4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	417.99	70.56
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.25	
			<i>For Backlight Control Shield, Add</i>	19.59	
			<i>For Field Adjustable Output, Add</i>	19.88	
			<i>For Bird Spikes, Add</i>	32.10	
			<i>For Field Adjustable Output And Utility Label, Add</i>	26.50	
			<i>For Fuse, Add</i>	39.75	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	39.75	
			<i>For 480 Volt, Add</i>	59.63	
			<i>For Multi-Level, Add</i>	86.12	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0080	EA	5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	417.99	70.56
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
			For Backlight Control Shield, Add	19.59	
			For Field Adjustable Output, Add	19.88	
			For Bird Spikes, Add	32.10	
			For Field Adjustable Output And Utility Label, Add	26.50	
			For Fuse, Add	39.75	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	39.75	
			For 480 Volt, Add	59.63	
			For Multi-Level, Add	86.12	
26 56	19 00-0081	EA	8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	468.07	70.56
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
			For Backlight Control Shield, Add	19.59	
			For Field Adjustable Output, Add	19.88	
			For Bird Spikes, Add	32.10	
			For Field Adjustable Output And Utility Label, Add	26.50	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	39.75	
			For 480 Volt, Add	59.63	
26 56	19 00-0082	EA	8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	468.07	70.56
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
			For Backlight Control Shield, Add	19.59	
			For Field Adjustable Output, Add	19.88	
			For Bird Spikes, Add	32.10	
			For Field Adjustable Output And Utility Label, Add	26.50	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	39.75	
			For 480 Volt, Add	59.63	
26 56	19 00-0083	EA	9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	557.11	70.56
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
			For Field Adjustable Output, Add	19.88	
			For Backlight Control Shield, Add	29.32	
			For Field Adjustable Output And Utility Label, Add	26.50	
			For Fuse, Add	39.75	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	39.75	
			For Bird Spikes, Add	54.37	
			For 480 Volt, Add	59.63	
			For Multi-Level, Add	86.12	
26 56	19 00-0084	EA	10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	557.11	70.56
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
			For Field Adjustable Output, Add	19.88	
			For Backlight Control Shield, Add	29.32	
			For Field Adjustable Output And Utility Label, Add	26.50	
			For Fuse, Add	39.75	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	39.75	
			For Bird Spikes, Add	54.37	
			For 480 Volt, Add	59.63	
			For Multi-Level, Add	86.12	
26 56	19 00-0085	EA	13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	640.60	70.56
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
			For Field Adjustable Output, Add	19.88	
			For Backlight Control Shield, Add	29.32	
			For Field Adjustable Output And Utility Label, Add	26.50	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	39.75	
			For Bird Spikes, Add	54.37	
			For 480 Volt, Add	59.63	
26 56	19 00-0086	EA	14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	640.60	70.56
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
			For Field Adjustable Output, Add	19.88	
			For Backlight Control Shield, Add	29.32	
			For Field Adjustable Output And Utility Label, Add	26.50	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	39.75	
			For Bird Spikes, Add	54.37	
			For 480 Volt, Add	59.63	
26 56	19 00-0087	EA	2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	328.94	70.56
			For Utility Label, Add	6.62	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	19.88	
			For 0 To 10 Volt Dimming, Add	39.75	
26 56	19 00-0088	EA	2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	328.94	70.56
			For Utility Label, Add	6.62	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	19.88	
			For 0 To 10 Volt Dimming, Add	39.75	
26 56	19 00-0089	EA	3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	349.81	70.56
			For Utility Label, Add	6.62	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	19.88	
			For 0 To 10 Volt Dimming, Add	39.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0090 EA 4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	349.81	70.56
For Utility Label, Add	6.62	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	19.88	
For 0 To 10 Volt Dimming, Add	39.75	
26 56 19 00-0091 EA 4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	356.77	70.56
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
For Field Adjustable Output, Add	19.88	
For Field Adjustable Output And Utility Label, Add	26.50	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	39.75	
For 0 To 10 Volt Dimming, Add	39.75	
26 56 19 00-0092 EA 4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	356.77	70.56
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
For Field Adjustable Output, Add	19.88	
For Field Adjustable Output And Utility Label, Add	26.50	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	39.75	
For 0 To 10 Volt Dimming, Add	39.75	
26 56 19 00-0093 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™) <i>(26 56 19 00-0093)</i> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0094 EA 3,300 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N) (DLC Certified)	342.86	70.56
For Field Adjustable Output, Add	19.88	
For Backlight Control Shield, Add	40.19	
For Bird Spikes, Add	54.76	
26 56 19 00-0095 EA 3,300 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N) (DLC Certified)	342.86	70.56
For Field Adjustable Output, Add	19.88	
For Backlight Control Shield, Add	40.19	
For Bird Spikes, Add	54.76	
26 56 19 00-0096 EA 5,000 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N) (DLC Certified)	356.77	70.56
For Field Adjustable Output, Add	19.88	
For Backlight Control Shield, Add	40.19	
For Bird Spikes, Add	54.76	
26 56 19 00-0097 EA 5,000 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N) (DLC Certified)	356.77	70.56
For Field Adjustable Output, Add	19.88	
For Backlight Control Shield, Add	40.19	
For Bird Spikes, Add	54.76	
26 56 19 00-0098 LED Roadway Lighting (Cooper Lighting) <i>(26 56 19 00-0048)</i>		
26 56 19 00-0099 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <i>(26 56 19 00-0098)</i> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0100 EA 1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	525.71	70.56
26 56 19 00-0101 EA 2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	723.50	78.40
26 56 19 00-0102 EA 3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	772.21	90.16
26 56 19 00-0103 EA 4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,171.91	98.00
26 56 19 00-0104 EA 6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,547.77	111.56
26 56 19 00-0105 LED Roadway Lighting (PlanLED) <i>(26 56 19 00-0048)</i>		
26 56 19 00-0106 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) <i>(26 56 19 00-0105)</i> Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0107 EA 8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	642.62	68.59
26 56 19 00-0108 EA 11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	702.34	69.35
26 56 19 00-0109 EA 15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	749.01	70.56
26 56 19 00-0110 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) <i>(26 56 19 00-0105)</i> Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0111 EA 7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	409.88	66.93



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0112	EA		10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	441.40	68.14
26 56 19 00-0113	EA		12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	491.56	69.35
26 56 19 00-0114			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) <small>(26 56 19 00-0105)</small>		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0115	EA		13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	525.33	69.35
			For 0 To 10 Volt Dimming, Add	49.88	
			For 480 Volt, Add	49.88	
26 56 19 00-0116	EA		16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	587.10	69.96
			For 0 To 10 Volt Dimming, Add	49.88	
			For 480 Volt, Add	14.73	
26 56 19 00-0117	EA		19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	634.88	70.56
			For 0 To 10 Volt Dimming, Add	49.88	
			For 480 Volt, Add	-5.28	
26 56 19 00-0118			LED Roadway Lighting (General Electric) <small>(26 56 19 00-0048)</small>		
26 56 19 00-0119			Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 19 00-0118)</small>		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0120	EA		2,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 23)	370.69	66.64
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0121	EA		4,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 B1)	399.62	68.59
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0122	EA		5,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 C1)	418.16	69.35
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0123	EA		9,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 G1)	468.80	72.52
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0124	EA		2,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 23)	393.41	66.64
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0125	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 B2)	442.78	68.59
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0126	EA		5,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 C2)	453.37	69.35
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0127	EA		10,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 G2)	493.79	72.52
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0128	EA		11,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 E3)	588.58	74.48
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0129	EA		19,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 G3)	668.00	78.40
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
26 56 19 00-0130			LED Roadway Lighting (Acuity AEL Autobahn) <small>(26 56 19 00-0048)</small>		
26 56 19 00-0131			Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) <small>(26 56 19 00-0130)</small>		
			Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0132	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	621.19	68.59
26 56 19 00-0133	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	780.31	70.56
26 56 19 00-0134	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	1,103.92	72.52
26 56 19 00-0135	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	1,429.23	75.39
26 56 19 00-0136	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	1,747.60	77.50
26 56 19 00-0137			LED Roadway Lighting (Leotek) <small>(26 56 19 00-0048)</small>		
26 56 19 00-0138			Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) <small>(26 56 19 00-0137)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0139	EA		2,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-4M-MV-NW-X-GY-WL-XXX)	265.67	66.64
			For Utility Wattage Label, Add	1.36	
			For ANSI 5-wire Photocontrol Receptacle, Add	13.63	
			For ANSI 7-wire Photocontrol Receptacle, Add	15.00	
			For House Or Cul-De-Sac Side Shield, Add	31.81	
26 56 19 00-0140	EA		4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-6M-MV-NW-X-GY-WL-XXX)	311.35	68.59
			For Utility Wattage Label, Add	1.36	
			For ANSI 5-wire Photocontrol Receptacle, Add	13.63	
			For ANSI 7-wire Photocontrol Receptacle, Add	15.00	
			For House Or Cul-De-Sac Side Shield, Add	31.81	
26 56 19 00-0141	EA		6,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC3-10M-MV-NW-X-GY-WL-XXX)	366.55	70.56
			For Utility Wattage Label, Add	1.36	
			For ANSI 5-wire Photocontrol Receptacle, Add	13.63	
			For ANSI 7-wire Photocontrol Receptacle, Add	15.00	
			For House Or Cul-De-Sac Side Shield, Add	34.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0142	EA		9,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC4-14M-MV-NW-X-GY-WL-XXX).....	420.58	72.52
			For Utility Wattage Label, Add	1.36	
			For ANSI 5-wire Photocontrol Receptacle, Add	13.63	
			For ANSI 7-wire Photocontrol Receptacle, Add	15.00	
			For House Or Cul-De-Sac Side Shield, Add	37.49	
26 56 19 00-0143	EA		11,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-18M-MV-NW-X-GY-WL-XXX).....	524.68	74.48
			For Utility Wattage Label, Add	1.36	
			For ANSI 5-wire Photocontrol Receptacle, Add	13.63	
			For ANSI 7-wire Photocontrol Receptacle, Add	15.00	
			For House Or Cul-De-Sac Side Shield, Add	40.90	
26 56 19 00-0144	EA		15,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-24M-MV-NW-X-GY-WL-XXX).....	613.29	76.44
			For Utility Wattage Label, Add	1.36	
			For ANSI 5-wire Photocontrol Receptacle, Add	13.63	
			For ANSI 7-wire Photocontrol Receptacle, Add	15.00	
			For House Or Cul-De-Sac Side Shield, Add	40.90	
26 56 19 00-0145	EA		19,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC9-30M-MV-NW-X-GY-WL-XXX).....	687.60	78.40
			For Utility Wattage Label, Add	1.36	
			For ANSI 5-wire Photocontrol Receptacle, Add	13.63	
			For ANSI 7-wire Photocontrol Receptacle, Add	15.00	
			For House Or Cul-De-Sac Side Shield, Add	40.90	

26 56 19 00-0146 Induction Roadway Lighting (26 56 19)

26 56 19 00-0147 Induction Roadway Lighting (US Lighting Tech) (26 56 19 00-0146)

Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.

26 56 19 00-0148	EA		40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	490.63	90.46
26 56 19 00-0149	EA		70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	557.38	93.47
26 56 19 00-0150	EA		100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	569.44	99.51
26 56 19 00-0151	EA		150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	581.50	105.54
26 56 19 00-0152	EA		200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	727.20	108.55
26 56 19 00-0153	EA		250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	738.09	111.56
26 56 19 00-0154	EA		40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	439.62	90.46
26 56 19 00-0155	EA		70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	513.66	93.47
26 56 19 00-0156	EA		100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	525.72	99.51
26 56 19 00-0157	EA		150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	537.78	105.54

26 56 23 Area Lighting (26 56)

26 56 23 00-0001 Exterior Globe (26 56 23)

26 56 23 00-0002 Incandescent (26 56 23 00-0001)

26 56 23 00-0003	EA		100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	31.48	9.33
26 56 23 00-0004	EA		150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	54.73	9.33
26 56 23 00-0005	EA		100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	39.50	9.33
26 56 23 00-0006	EA		150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	57.83	9.33

26 56 23 00-0007 Surface Mounted, Rectangular Exterior Area Fixture (26 56 23)

26 56 23 00-0008 Metal Halide (26 56 23 00-0007)

26 56 23 00-0009	EA		175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	475.59	113.91
26 56 23 00-0010	EA		250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	558.87	128.15
26 56 23 00-0011	EA		400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	699.11	142.38
26 56 23 00-0012	EA		1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	850.18	166.88

26 56 23 00-0013 High Pressure Sodium (26 56 23 00-0007)

26 56 23 00-0014	EA		70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	485.21	97.39
26 56 23 00-0015	EA		100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	533.67	103.65
26 56 23 00-0016	EA		150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	581.16	109.35
26 56 23 00-0017	EA		175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	598.98	113.91
26 56 23 00-0018	EA		250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	673.67	128.15
26 56 23 00-0019	EA		400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	728.66	142.38
26 56 23 00-0020	EA		1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	964.98	166.88

26 56 23 00-0021 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 23)

26 56 23 00-0022 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 23 00-0021)

Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.

26 56 23 00-0023	EA		35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	486.63	76.89
26 56 23 00-0024	EA		50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	500.01	85.43
26 56 23 00-0025	EA		70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	427.92	97.39
26 56 23 00-0026	EA		100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	540.91	103.65
26 56 23 00-0027	EA		150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	553.35	109.35
26 56 23 00-0028	EA		175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	580.51	113.91
26 56 23 00-0029	EA		250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	637.91	128.15
26 56 23 00-0030	EA		400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	790.02	142.38



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0031 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23 00-002 1)</small>		
<i>Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.</i>		
26 56 23 00-0032 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	426.47	85.43
26 56 23 00-0033 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	449.62	97.39
26 56 23 00-0034 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	465.06	103.65
26 56 23 00-0035 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	488.12	109.35
26 56 23 00-0036 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	494.19	113.91
26 56 23 00-0037 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	540.82	128.15
26 56 23 00-0038 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	694.41	142.38
26 56 23 00-0039 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23 00-002 1)</small>		
<i>Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.</i>		
26 56 23 00-0040 EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	117.01	37.33
26 56 23 00-0041 EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	121.70	39.67
26 56 23 00-0042 EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	134.60	42.00
26 56 23 00-0043 EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	133.63	46.66
26 56 23 00-0044 EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	148.68	53.66
26 56 23 00-0045 Wall Packs <small>(26 56 23)</small>		
26 56 23 00-0046 Non Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>		
<i>Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.</i>		
26 56 23 00-0047 EA 13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	177.16	25.52
26 56 23 00-0048 EA 50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	191.94	25.52
26 56 23 00-0049 EA 35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	191.94	25.52
26 56 23 00-0050 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	263.60	25.52
26 56 23 00-0051 Semi Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>		
<i>Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.</i>		
26 56 23 00-0052 EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	379.26	25.52
26 56 23 00-0053 EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	384.57	25.52
26 56 23 00-0054 EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	389.17	25.52
26 56 23 00-0055 EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	380.78	25.52
26 56 23 00-0056 EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	346.30	25.52
26 56 23 00-0057 EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	327.36	25.52
26 56 23 00-0058 Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>		
<i>Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.</i>		
26 56 23 00-0059 EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	401.07	25.52
26 56 23 00-0060 EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	405.92	25.52
26 56 23 00-0061 EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	397.54	25.52
26 56 23 00-0062 EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	404.29	25.52
26 56 23 00-0063 EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	404.29	25.52
26 56 23 00-0064 Non Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>		
<i>Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.</i>		
26 56 23 00-0065 EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	370.88	33.99
26 56 23 00-0066 EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	370.88	33.99
26 56 23 00-0067 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	344.92	33.99
26 56 23 00-0068 EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	354.87	33.99
26 56 23 00-0069 EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	354.87	33.99
26 56 23 00-0070 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	326.10	33.99
26 56 23 00-0071 Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>		
<i>Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.</i>		
26 56 23 00-0072 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	386.25	33.99
26 56 23 00-0073 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	386.25	33.99
26 56 23 00-0074 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	386.25	33.99
26 56 23 00-0075 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	370.99	33.99
26 56 23 00-0076 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	370.99	33.99
26 56 23 00-0077 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	370.99	33.99
26 56 23 00-0078 Full Cutoff, Tempered Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>		
<i>Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.</i>		
26 56 23 00-0079 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack.....	510.47	33.99
26 56 23 00-0080 Cutoff, Borosilicate Glass Lens, Medium Wall Packs <small>(26 56 23 00-0045)</small>		
<i>Note: Aluminum body and reflector. Lithonia TWR2.</i>		
26 56 23 00-0081 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	467.79	42.10
<i>Note: 9-1/4" x 17-7/8" x 9-3/8".</i>		
26 56 23 00-0082 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack.....	502.98	42.10
<i>Note: 9-1/4" x 17-7/8" x 12-1/2".</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0083 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	544.92	42.10
26 56 23 00-0084 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	556.47	42.10
26 56 23 00-0085 Cutoff, Tempered Glass Lens, Medium Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 23 00-0086 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	513.05	42.10
26 56 23 00-0087 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	552.58	42.10
26 56 23 00-0088 Non Cutoff, Polycarbonate Lens, Large Wall Packs (26 56 23 00-0045) Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 23 00-0089 EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	460.14	51.04
26 56 23 00-0090 EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	418.27	51.04
26 56 23 00-0091 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	450.45	51.04
26 56 23 00-0092 EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	453.66	51.04
26 56 23 00-0093 EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	457.02	51.04
26 56 23 00-0094 Non Cutoff, Borosilicate Glass Lens, Large Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 23 00-0095 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	460.15	51.04
26 56 23 00-0096 EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	474.13	51.04
26 56 23 00-0097 EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	516.00	51.04
26 56 23 00-0098 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	488.09	51.04
26 56 23 00-0099 EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	502.06	51.04
26 56 23 00-0100 EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	529.94	51.04
26 56 23 00-0101 Full Cutoff, LED Wall Packs (26 56 23 00-0045)		
26 56 23 00-0102 Full Cutoff, LED Wall Packs (Lithonia) (26 56 23 00-0101)		
26 56 23 00-0103 EA 30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,000.65	52.76
26 56 23 00-0104 EA 30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,097.82	52.76
26 56 23 00-0105 Full Cutoff, LED Wall Packs (CREE® BetaLED®) (26 56 23 00-0101)		
26 56 23 00-0106 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) (26 56 23 00-0105) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0107 EA 20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	582.52	51.26
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
For Bird Spikes, Add	30.17	
For Fuse, Add	39.75	
For 0 To 10 Volt Dimming, Add	39.75	
For 480 Volt, Add	59.63	
For Multi-Level, Add	86.12	
26 56 23 00-0108 EA 40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	762.47	54.27
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
For Bird Spikes, Add	30.47	
For Fuse, Add	39.75	
For 0 To 10 Volt Dimming, Add	39.75	
For 480 Volt, Add	59.63	
For Multi-Level, Add	86.12	
26 56 23 00-0109 EA 60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	942.42	57.29
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
For Bird Spikes, Add	30.77	
For Fuse, Add	39.75	
For 0 To 10 Volt Dimming, Add	39.75	
For 480 Volt, Add	59.63	
For Multi-Level, Add	86.12	
26 56 23 00-0110 EA 80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,122.37	60.31
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
For Bird Spikes, Add	31.07	
For Fuse, Add	39.75	
For 0 To 10 Volt Dimming, Add	39.75	
For 480 Volt, Add	59.63	
For Multi-Level, Add	86.12	
26 56 23 00-0111 EA 100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,302.33	63.32
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
For Bird Spikes, Add	31.37	
For Fuse, Add	39.75	
For 0 To 10 Volt Dimming, Add	39.75	
For 480 Volt, Add	59.63	
For Multi-Level, Add	86.12	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0112 EA 120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,482.26	66.34
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
For Bird Spikes, Add	31.67	
For Fuse, Add	39.75	
For 0 To 10 Volt Dimming, Add	39.75	
For 480 Volt, Add	59.63	
For Multi-Level, Add	86.12	
26 56 23 00-0113 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) (26 56 23 00-0105)		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0114 EA 25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	324.27	51.26
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
For 0 To 10 Volt Dimming, Add	39.75	
For Multi-Level, Add	39.75	
26 56 23 00-0115 EA 42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	382.03	54.27
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	13.25	
For 0 To 10 Volt Dimming, Add	39.75	
For Multi-Level, Add	39.75	
26 56 23 00-0116 Semi Cutoff, Induction Wall Packs (26 56 23 00-0045)		
26 56 23 00-0117 Semi Cutoff, Induction Wall Packs (Everlast®) (26 56 23 00-0116)		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0118 EA 70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	637.79	51.26
26 56 23 00-0119 EA 80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	649.78	54.27
26 56 23 00-0120 EA 100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	661.78	57.29
26 56 23 00-0121 EA 120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	739.37	60.31
26 56 23 00-0122 Wall Pack Accessories (26 56 23 00-0045)		
26 56 23 00-0123 EA Photocell For Wall Pack.....	68.32	12.76
26 56 23 00-0124 EA Wire Guard For Mini And Small Wall Pack	77.27	12.76
26 56 23 00-0125 EA Wire Guard For Medium And Large Wall Pack	114.69	12.76
26 56 23 00-0126 EA Clear Polycarbonate Vandal Guard For Wall Packs	168.69	12.76
26 56 23 00-0127 EA Full Cutoff Visor For Wall Pack	74.83	12.76
26 56 23 00-0128 LED Area Fixtures (26 56 23)		
26 56 23 00-0129 Pole Mount, LED Area Fixtures (26 56 23 00-0128)		
26 56 23 00-0130 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) (26 56 23 00-0129)		
Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0131 EA 20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,000.23	51.26
26 56 23 00-0132 EA 40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,158.08	54.27
26 56 23 00-0133 EA 80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,321.95	60.31
26 56 23 00-0134 EA 100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,327.99	63.32
26 56 23 00-0135 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) (26 56 23 00-0129)		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 23 00-0136 EA 40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	796.13	54.27
For Backlight Shielding, Add	15.73	
For Type II Medium Optic, Add	24.32	
For 480 Volt, Add	59.06	
For Multi-Level Drive Currents, Add	157.29	
26 56 23 00-0137 EA 60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	967.32	57.29
For Backlight Shielding, Add	15.73	
For Type II Medium Optic, Add	24.62	
For 480 Volt, Add	59.06	
For Multi-Level Drive Currents, Add	157.29	
26 56 23 00-0138 EA 80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,204.79	60.31
For Backlight Shielding, Add	15.73	
For Type II Medium Optic, Add	24.92	
For 480 Volt, Add	59.06	
For Multi-Level Drive Currents, Add	157.29	
26 56 23 00-0139 EA 100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,375.98	63.32
For Backlight Shielding, Add	15.73	
For Type II Medium Optic, Add	25.22	
For 480 Volt, Add	59.06	
For Multi-Level Drive Currents, Add	157.29	
26 56 23 00-0140 EA 120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,547.16	66.34
For Backlight Shielding, Add	15.73	
For Type II Medium Optic, Add	25.52	
For 480 Volt, Add	59.06	
For Multi-Level Drive Currents, Add	157.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 23 00-0141	EA		140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,771.15	69.35
			<i>For Backlight Shielding, Add</i>	15.73	
			<i>For Type II Medium Optic, Add</i>	25.83	
			<i>For 480 Volt, Add</i>	59.06	
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 23 00-0142	EA		160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,942.33	72.36
			<i>For Backlight Shielding, Add</i>	15.73	
			<i>For Type II Medium Optic, Add</i>	26.13	
			<i>For 480 Volt, Add</i>	59.06	
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 23 00-0143			Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) <small>(26 56 23 00-0129)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0144	EA		120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	1,425.21	66.34
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.25	
			<i>For Bird Spikes, Add</i>	27.50	
			<i>For 5,000K Color Temperature, Add</i>	33.13	
			<i>For Fuse, Add</i>	39.75	
			<i>For 0 To 10 Volt Dimming, Add</i>	39.75	
			<i>For 480 Volt, Add</i>	59.63	
			<i>For Multi-Level, Add</i>	86.12	
			<i>For 1,000mA Driver, Add</i>	111.32	
26 56 23 00-0145	EA		240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	2,429.30	81.41
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.25	
			<i>For 5,000K Color Temperature, Add</i>	33.13	
			<i>For Fuse, Add</i>	39.75	
			<i>For 0 To 10 Volt Dimming, Add</i>	39.75	
			<i>For Bird Spikes, Add</i>	41.54	
			<i>For Multi-Level, Add</i>	86.12	
			<i>For 1,000mA Driver, Add</i>	111.31	
			<i>For 480 Volt, Add</i>	119.25	
26 56 23 00-0146			Wall Mount, LED Area Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0147			Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) <small>(26 56 23 00-0146)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0148	EA		20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	832.76	51.26
26 56 23 00-0149	EA		30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	844.82	57.29
26 56 23 00-0150			Surface Mount, LED Parking Structure Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0151			Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) <small>(26 56 23 00-0150)</small>		
			Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0152	EA		40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	697.26	54.27
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 23 00-0153	EA		60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	868.45	57.29
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 23 00-0154	EA		80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,039.63	60.31
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 23 00-0155	EA		100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,210.83	63.32
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 23 00-0156			Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) <small>(26 56 23 00-0150)</small>		
			Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0157	EA		40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	670.30	54.27
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 23 00-0158	EA		60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	742.62	57.29
			<i>For Multi-Level Drive Currents, Add</i>	157.29	
26 56 23 00-0159			Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 23 00-0150)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0160 EA 3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	542.14	54.27
26 56 23 00-0161 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) (26 56 23 00-0150) Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 23 00-0162 EA 70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,067.12	57.29
26 56 23 00-0163 EA 110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,079.19	63.32
26 56 23 00-0164 Surface Mount, LED Canopy Fixtures (26 56 23 00-0128)		
26 56 23 00-0165 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) (26 56 23 00-0164) Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0166 EA 40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	816.35	54.27
For Multi-Level Drive Currents, Add	157.29	
26 56 23 00-0167 EA 60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	987.54	57.29
For Multi-Level Drive Currents, Add	157.29	
26 56 23 00-0168 EA 80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,158.72	60.31
For Multi-Level Drive Currents, Add	157.29	
26 56 23 00-0169 EA 100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,329.92	63.32
For Multi-Level Drive Currents, Add	157.29	
26 56 23 00-0170 EA 120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,501.09	66.34
For Multi-Level Drive Currents, Add	157.29	
26 56 23 00-0171 EA 140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,738.56	69.35
For Multi-Level Drive Currents, Add	157.29	
26 56 23 00-0172 EA 160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,909.75	72.36
For Multi-Level Drive Currents, Add	157.29	
26 56 23 00-0173 EA 200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,252.13	78.40
For Multi-Level Drive Currents, Add	157.29	
26 56 23 00-0174 EA 240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,588.46	81.41
For Multi-Level Drive Currents, Add	157.29	
26 56 23 00-0175 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) (26 56 23 00-0164) Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0176 EA 8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	544.17	60.31
26 56 23 00-0177 Recessed Mount, LED Soffit Fixtures (26 56 23 00-0128)		
26 56 23 00-0178 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) (26 56 23 00-0177) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0179 EA 40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	683.78	54.27
26 56 23 00-0180 EA 60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	756.10	57.29
26 56 23 00-0181 Surface Mount, LED Area Fixtures (26 56 23 00-0128)		
26 56 23 00-0182 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) (26 56 23 00-0181) Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 23 00-0183 EA 50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	606.16	54.27
26 56 23 00-0184 EA 50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	771.24	54.27
26 56 23 00-0185 EA 68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	633.39	60.31
26 56 23 00-0186 EA 68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	791.62	60.31
26 56 23 00-0187 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) (26 56 23 00-0181) Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0188 EA 13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A) <i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	198.47 45.00	18.38
26 56 23 00-0189 EA 20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A) <i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	234.07 45.00	18.38
26 56 23 00-0190 EA 30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A) <i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	301.89 45.00	18.38
26 56 23 00-0191 Surface Mount, LED Facade Fixtures (26 56 23 00-0128)		
26 56 23 00-0192 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) (26 56 23 00-0191)		
26 56 23 00-0193 EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	406.12	21.46
26 56 23 00-0194 EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	670.79	19.60
26 56 23 00-0195 EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	861.12	16.33
26 56 23 00-0196 EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,051.44	13.06
26 56 23 00-0197 Post Top, LED Area Fixtures (26 56 23 00-0128)		
26 56 23 00-0198 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) (26 56 23 00-0197) Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0199 EA 1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	1,124.26	82.92
26 56 23 00-0200 EA 3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	1,246.54	82.92
26 56 23 00-0201 EA 77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	1,343.21	82.92
26 56 23 00-0202 Post Top, LED Area Fixtures (General Electric EPAS) (26 56 23 00-0197) Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0203 EA 2,380 Lumens, 49 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 D5/D3)	1,378.15	82.92
<i>For >25 To 500, Deduct</i>	-84.86	
<i>For >500, Deduct</i>	-157.60	
26 56 23 00-0204 EA 3,200 Lumens, 45 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	1,407.55	82.92
<i>For >25 To 500, Deduct</i>	-86.92	
<i>For >500, Deduct</i>	-285.59	
26 56 23 00-0205 EA 4,630 Lumens, 86 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 B5/B3)	1,422.62	82.92
<i>For >25 To 500, Deduct</i>	-87.97	
<i>For >500, Deduct</i>	-163.38	
26 56 23 00-0206 EA 6,515 Lumens, 80 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	1,440.95	82.92
<i>For >25 To 500, Deduct</i>	-89.26	
<i>For >500, Deduct</i>	-293.27	
26 56 23 00-0207 Post Top, LED Area Fixtures (General Electric EPTC) (26 56 23 00-0197) Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0208 EA 2,380 Lumens, 49 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC D5/D3)	936.67	82.92
<i>For >25 To 500, Deduct</i>	-53.96	
<i>For >500, Deduct</i>	-131.04	
26 56 23 00-0209 EA 3,200 Lumens, 45 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	955.37	82.92
<i>For >25 To 500, Deduct</i>	-55.27	
<i>For >500, Deduct</i>	-228.96	
26 56 23 00-0210 EA 4,630 Lumens, 86 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC B5/B3)	985.47	82.92
<i>For >25 To 500, Deduct</i>	-40.98	
<i>For >500, Deduct</i>	-147.53	
26 56 23 00-0211 EA 6,150 Lumens, 80 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,005.35	82.92
<i>For >25 To 500, Deduct</i>	-58.77	
<i>For >500, Deduct</i>	-218.27	
26 56 23 00-0212 Post Top, LED Area Fixtures (General Electric EPST) (26 56 23 00-0197) Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0213 EA 2,250 Lumens, 49 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST D5/D3)	714.85	82.92
<i>For >25 To 500, Deduct</i>	-38.43	
<i>For >500, Deduct</i>	-60.39	
26 56 23 00-0214 EA 3,135 Lumens, 45 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	728.17	82.92
<i>For >25 To 500, Deduct</i>	-39.36	
<i>For >500, Deduct</i>	-118.09	
26 56 23 00-0215 EA 4,350 Lumens, 86 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST B5/B3)	763.65	82.92
<i>For >500, Deduct</i>	-77.71	
<i>For >25 To 500, Deduct</i>	-35.87	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0216 EA 6,115 Lumens, 80 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3) <i>For >25 To 500, Deduct</i> <i>For >500, Deduct</i>	778.15 -42.86 -128.58	82.92
26 56 23 00-0217 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) (26 56 23 00-0197) <i>Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.</i>		
26 56 23 00-0218 EA 13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	1,878.06	82.92
26 56 23 00-0219 LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) (26 56 23 00-0197) <i>Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0129 for disposal of hazardous lamps.</i>		
26 56 23 00-0220 EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)..... <i>For 0 To 10 Volt Dimming, Add</i>	500.91 39.75	45.23
26 56 23 00-0221 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) (26 56 23 00-0197) <i>Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0129 for disposal of hazardous lamps.</i>		
26 56 23 00-0222 EA LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <i>For Backlight Control Shield, Add</i>	322.43 25.58	9.65
26 56 23 00-0223 Induction Area Fixtures (26 56 23)		
26 56 23 00-0224 Post Top, Induction Area Fixtures (26 56 23 00-0223)		
26 56 23 00-0225 Post Top, Induction Area Fixtures (US Lighting Tech) (26 56 23 00-0224) <i>Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.</i>		
26 56 23 00-0226 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	604.30	82.92
26 56 23 00-0227 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	674.74	82.92
26 56 23 00-0228 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	674.74	82.92
26 56 23 00-0229 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	674.74	82.92
26 56 23 00-0230 Surface Mount, Induction Parking Structure Fixtures (26 56 23 00-0223)		
26 56 23 00-0231 Surface Mount, Induction Parking Structure Fixtures (Everlast®) (26 56 23 00-0230)		
26 56 23 00-0232 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	529.73	75.39
26 56 23 00-0233 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	574.04	76.89
26 56 23 00-0234 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	581.92	78.40
26 56 23 00-0235 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	589.79	79.91
26 56 23 00-0236 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	597.66	81.41
26 56 23 00-0237 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	610.40	82.92
26 56 23 00-0238 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	652.36	78.40
26 56 23 00-0239 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	660.23	79.91
26 56 23 00-0240 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	668.10	81.41
26 56 23 00-0241 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	701.49	82.92
26 56 23 00-0242 Pole Mount, Induction Area Fixtures (26 56 23 00-0223)		
26 56 23 00-0243 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) (26 56 23 00-0242) <i>Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.</i>		
26 56 23 00-0244 EA 70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	667.61	51.26
26 56 23 00-0245 EA 80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	685.57	54.27
26 56 23 00-0246 EA 100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	703.52	57.29
26 56 23 00-0247 Metal Halide Area Fixtures (26 56 23)		
26 56 23 00-0248 Pole Mount, Metal Halide Area Fixtures (26 56 23 00-0247) <i>Note: Includes pulse start ballast.</i>		
26 56 23 00-0249 EA 150 Watt, Metal Halide Area Fixture, Pole Mount	596.78	76.73
26 56 23 00-0250 EA 175 Watt, Metal Halide Area Fixture, Pole Mount	654.81	84.41
26 56 23 00-0251 EA 250 Watt, Metal Halide Area Fixture, Pole Mount	724.87	92.08
26 56 23 00-0252 EA 400 Watt, Metal Halide Area Fixture, Pole Mount	760.97	107.43
26 56 23 00-0253 High Pressure Sodium Area Fixtures (26 56 23)		
26 56 23 00-0254 Pole Mount, High Pressure Sodium Area Fixtures (26 56 23 00-0253)		
26 56 23 00-0255 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount	497.13	61.39
26 56 23 00-0256 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount	535.46	76.73
26 56 23 00-0257 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount	575.83	92.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 23 00-0258	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	601.25	107.43
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26 56 23 00-0259 Area Lighting Accessories (26 56 23)

26 56 23 00-0260 Outdoor Motion Sensors (26 56 23 00-0259)

26 56 23 00-0261	EA	70' Range, 180 Degree Detection Zone, 8 Amp Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	62.45	12.79
26 56 23 00-0262	EA	70' Range, 200 Degree Detection Zone, 10 Amp Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	69.13	12.79
26 56 23 00-0263	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	317.23	12.79

For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 7.68

26 56 26 Landscape Lighting (26 56)

26 56 26 00-0001 Bollards (26 56 26)

Note: Excludes concrete base.

26 56 26 00-0002 Aluminum Architectural Bollards (26 56 26 00-0001)

26 56 26 00-0003 High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0002)

26 56 26 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0003)

26 56 26 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	842.56	43.38
26 56 26 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	847.66	45.94
26 56 26 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	852.76	48.49
26 56 26 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	784.88	51.04
26 56 26 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	842.56	43.38
26 56 26 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	847.66	45.94
26 56 26 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	852.76	48.49
26 56 26 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	784.88	51.04
26 56 26 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	842.56	43.38
26 56 26 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	847.66	45.94
26 56 26 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	852.76	48.49
26 56 26 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	784.88	51.04
26 56 26 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	842.56	43.38
26 56 26 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	847.66	45.94
26 56 26 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	852.76	48.49
26 56 26 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	784.88	51.04

26 56 26 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0003)

26 56 26 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	809.04	43.38
26 56 26 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	814.14	45.94
26 56 26 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	819.24	48.49
26 56 26 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	751.06	51.04
26 56 26 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	809.04	43.38
26 56 26 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	814.14	45.94
26 56 26 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	819.24	48.49
26 56 26 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	751.06	51.04
26 56 26 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	809.04	43.38
26 56 26 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	814.14	45.94
26 56 26 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	819.24	48.49
26 56 26 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	751.06	51.04
26 56 26 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	809.04	43.38
26 56 26 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	814.14	45.94
26 56 26 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	819.24	48.49
26 56 26 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	751.06	51.04

26 56 26 00-0038 Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0002)

26 56 26 00-0039 Square, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0038)

26 56 26 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	886.07	43.38
26 56 26 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	891.17	45.94
26 56 26 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	896.27	48.49
26 56 26 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	828.09	51.04
26 56 26 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	886.07	43.38
26 56 26 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	891.17	45.94
26 56 26 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	896.27	48.49
26 56 26 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	828.09	51.04
26 56 26 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	886.07	43.38
26 56 26 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	891.17	45.94
26 56 26 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	896.27	48.49
26 56 26 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	864.51	51.04

26 56 26 00-0052 Round, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0038)

26 56 26 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	852.25	43.38
26 56 26 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	857.35	45.94
26 56 26 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	862.45	48.49
26 56 26 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	794.27	51.04
26 56 26 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	852.25	43.38
26 56 26 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	857.35	45.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0059 EA 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	862.45	48.49
26 56 26 00-0060 EA 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	794.27	51.04
26 56 26 00-0061 EA 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	852.25	43.38
26 56 26 00-0062 EA 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	857.35	45.94
26 56 26 00-0063 EA 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	862.45	48.49
26 56 26 00-0064 EA 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	794.27	51.04
26 56 26 00-0065 Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0066 Square, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0067 EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	838.74	43.38
26 56 26 00-0068 EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	843.84	45.94
26 56 26 00-0069 EA 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	848.94	48.49
26 56 26 00-0070 EA 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	781.75	51.04
26 56 26 00-0071 EA 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	838.74	43.38
26 56 26 00-0072 EA 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	843.84	45.94
26 56 26 00-0073 EA 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	848.94	48.49
26 56 26 00-0074 EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	781.75	51.04
26 56 26 00-0075 EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	838.74	43.38
26 56 26 00-0076 EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	843.84	45.94
26 56 26 00-0077 EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	848.94	48.49
26 56 26 00-0078 EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	781.75	51.04
26 56 26 00-0079 Round, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0080 EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	805.66	43.38
26 56 26 00-0081 EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	810.76	45.94
26 56 26 00-0082 EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	815.86	48.49
26 56 26 00-0083 EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	749.31	51.04
26 56 26 00-0084 EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	805.66	43.38
26 56 26 00-0085 EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	810.76	45.94
26 56 26 00-0086 EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	815.86	48.49
26 56 26 00-0087 EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	749.31	51.04
26 56 26 00-0088 EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	805.66	43.38
26 56 26 00-0089 EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	810.76	45.94
26 56 26 00-0090 EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	815.86	48.49
26 56 26 00-0091 EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	749.31	51.04
26 56 26 00-0092 LED, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0093 Square, LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0094 EA 24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,010.51	43.38
26 56 26 00-0095 EA 30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,015.61	45.94
26 56 26 00-0096 EA 36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,020.71	48.49
26 56 26 00-0097 EA 42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	954.44	51.04
26 56 26 00-0098 EA 24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,240.81	43.38
26 56 26 00-0099 EA 30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,245.91	45.94
26 56 26 00-0100 EA 36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,251.01	48.49
26 56 26 00-0101 EA 42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,183.59	51.04
26 56 26 00-0102 Round, LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0103 EA 24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	976.16	43.38
26 56 26 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	981.26	45.94
26 56 26 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	986.36	48.49
26 56 26 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	918.94	51.04
26 56 26 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,206.46	43.38
26 56 26 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,211.56	45.94
26 56 26 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,216.66	48.49
26 56 26 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,149.65	51.04
26 56 26 00-0111 Reinforced Concrete Bollards (26 56 26 00-0001)		
26 56 26 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	773.70	127.59
26 56 26 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	1,399.17	170.11
26 56 26 00-0114 Low Voltage (26 56 26)		
26 56 26 00-0115 EA Low Voltage Recessed Uplight	561.11	92.89
26 56 26 00-0116 EA Low Voltage Walkway	440.48	51.04
26 56 26 00-0117 EA Low Voltage Malibu - 5 Light Set	382.39	68.14
26 56 26 00-0118 EA Low Voltage Mushroom 24" Pier	354.34	51.04
26 56 26 00-0119 Recessed, Adjustable (26 56 26)		
26 56 26 00-0120 EA 150 Watt Incandescent Recessed, Adjustable	735.52	81.66
26 56 26 00-0121 EA 300 Watt Incandescent Recessed, Adjustable	827.81	81.66
26 56 26 00-0122 Recessed, Uplight (26 56 26)		
26 56 26 00-0123 EA 50 Watt Incandescent Recessed Uplight	630.92	81.66
26 56 26 00-0124 EA 150 Watt Incandescent Recessed Uplight	649.38	81.66



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0125	EA		300 Watt Incandescent Recessed Uplight	704.75	81.66
26 56 26 00-0126	EA		500 Watt Quartz Recessed Uplight	698.60	81.66
26 56 26 00-0127	EA		5 Watt LED Recessed Uplight.....	583.61	81.66
26 56 26 00-0128	EA		15 Watt LED Recessed Uplight.....	647.75	81.66
26 56 26 00-0129			Recessed Wall Light <small>(26 56 26)</small>		
26 56 26 00-0130	EA		100 Watt Incandescent Recessed Wall Light.....	298.97	51.04
26 56 26 00-0131	EA		100 Watt Fluorescent Recessed Wall Light	280.51	51.04
26 56 26 00-0132	EA		100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	499.29	68.14
26 56 26 00-0133			Step Lights <small>(26 56 26)</small>		
26 56 26 00-0134	EA		Incandescent Step Light	247.76	40.83
26 56 26 00-0135	EA		Fluorescent Step Light	309.31	40.83
26 56 26 00-0136	EA		5 Watt LED Step Light	323.27	40.83
26 56 26 00-0137	EA		15 Watt LED Step Light	391.69	40.83
26 56 26 00-0138			Tree Lights, Surface Adjustable <small>(26 56 26)</small>		
26 56 26 00-0139	EA		50 Watt Incandescent Tree Lights	579.28	68.14
26 56 26 00-0140	EA		100 Watt Incandescent Tree Lights	597.74	68.14
26 56 26 00-0141	EA		150 Watt Incandescent Tree Lights	696.37	102.08
26 56 26 00-0142			Underwater Lights <small>(26 56 26)</small>		
26 56 26 00-0143	EA		150 Watt, 120 Volt Underwater Lights	541.65	33.94
26 56 26 00-0144	EA		300 Watt, 120 Volt Underwater Lights	615.48	33.94
26 56 26 00-0145	EA		1,000 Watt, 120 Volt Underwater Lights	1,609.50	51.04
26 56 26 00-0146	EA		50 Watt, 12 Volt Underwater Lights	572.42	33.94
26 56 26 00-0147	EA		300 Watt, 12 Volt Underwater Lights	658.55	33.94
26 56 26 00-0148	EA		Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,721.68	76.56
26 56 33			Walkway Lighting <small>(26 56)</small>		
26 56 33 00-0001			Incandescent Walkway <small>(26 56 33)</small>		
26 56 33 00-0002	EA		Post Top 300 Watt Incandescent Walkway Fixture.....	239.90	47.46
26 56 33 00-0003			Metal Halide Walkway <small>(26 56 33)</small>		
26 56 33 00-0004	EA		Post Top 100 Watt Metal Halide Walkway Fixture	367.15	74.62
26 56 33 00-0005	EA		Post Top 150-175 Watt Metal Halide Walkway Fixture	391.55	77.32
26 56 33 00-0006	EA		Post Top 250 Watt Metal Halide Walkway Fixture	427.30	80.28
26 56 33 00-0007	EA		Post Top 400 Watt Metal Halide Walkway Fixture	456.21	86.77
26 56 33 00-0008	EA		Round Luminaries 100 Watt Metal Halide Walkway Fixture	401.89	80.28
26 56 33 00-0009	EA		Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	416.04	74.62
26 56 33 00-0010	EA		Round Luminaries 250 Watt Metal Halide Walkway Fixture	422.05	77.32
26 56 33 00-0011	EA		Spherical 100 Watt Metal Halide Walkway Fixture.....	347.73	53.18
26 56 33 00-0012	EA		Spherical 150-175 Watt Metal Halide Walkway Fixture	373.14	53.18
26 56 33 00-0013	EA		Spherical 250 Watt Metal Halide Walkway Fixture.....	398.55	53.18
26 56 33 00-0014	EA		Spherical 400 Watt Metal Halide Walkway Fixture.....	450.15	59.87
26 56 33 00-0015	EA		Low Walkway 100 Watt Metal Halide Walkway Fixture.....	336.98	47.77
26 56 33 00-0016			High Pressure Sodium Walkway <small>(26 56 33)</small>		
26 56 33 00-0017	EA		Post Top 100 Watt High Pressure Sodium Walkway Fixture	409.54	74.62
26 56 33 00-0018	EA		Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	437.62	77.32
26 56 33 00-0019	EA		Post Top 250 Watt High Pressure Sodium Walkway Fixture	479.19	80.28
26 56 33 00-0020	EA		Post Top 400 Watt High Pressure Sodium Walkway Fixture	511.18	86.77
26 56 33 00-0021	EA		Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture.....	448.85	80.28
26 56 33 00-0022	EA		Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	467.93	74.62
26 56 33 00-0023	EA		Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture.....	474.06	77.32
26 56 33 00-0024	EA		Spherical 100 Watt High Pressure Sodium Walkway Fixture.....	394.69	53.18
26 56 33 00-0025	EA		Spherical 175 150-Watt High Pressure Sodium Walkway Fixture.....	425.04	53.18
26 56 33 00-0026	EA		Spherical 250 Watt High Pressure Sodium Walkway Fixture	455.39	53.18
26 56 33 00-0027	EA		Spherical 400 Watt High Pressure Sodium Walkway Fixture	514.40	59.87
26 56 33 00-0028	EA		Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	383.94	47.77
26 56 33 00-0029			Walkway, Adjustable <small>(26 56 33)</small>		
26 56 33 00-0030	EA		2' Fluorescent Adjustable Walkway Fixture.....	349.41	68.14
26 56 33 00-0031	EA		4' Fluorescent Adjustable Walkway Fixture.....	361.95	68.14
26 56 33 00-0032	EA		8' Fluorescent Adjustable Walkway Fixture.....	647.12	102.08
26 56 33 00-0033	EA		50 Watt Incandescent Adjustable Walkway Fixture	302.67	51.04
26 56 33 00-0034	EA		150 Watt Incandescent Adjustable Walkway Fixture	319.39	51.04
26 56 33 00-0035			LED Walkway <small>(26 56 33)</small>		
26 56 33 00-0036			LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) <small>(26 56 33 00-0035)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 33 00-0037 EA 13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)..... <i>For Multi-Level Drive Currents, Add</i>	561.91 157.29	39.19
26 56 33 00-0038 EA 18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)..... <i>For Multi-Level Drive Currents, Add</i>	581.01 157.29	39.19
26 56 33 00-0039 EA 36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)..... <i>For Multi-Level Drive Currents, Add</i>	614.71 157.29	39.19
26 56 33 00-0040 EA 42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)..... <i>For Multi-Level Drive Currents, Add</i>	640.55 157.29	39.19
26 56 33 00-0041 EA 96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)..... <i>For Multi-Level Drive Currents, Add</i>	732.25 157.29	50.39
26 56 36 Flood Lighting (26 56)		
26 56 36 00-0001 General Electric Powerflood® Flood Lights (26 56 36)		
26 56 36 00-0002 MPF (Small Size) Series GE Flood Lights (26 56 36 00-0001) Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 56 36 00-0003 High Pressure Sodium MPF Series GE Flood Lights (26 56 36 00-0002)		
26 56 36 00-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light.....	187.04	46.04
26 56 36 00-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light.....	188.94	46.04
26 56 36 00-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light.....	192.11	46.04
26 56 36 00-0007 Metal Halide MPF Series GE Flood Lights (26 56 36 00-0002)		
26 56 36 00-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light.....	262.38	46.04
26 56 36 00-0009 P-154 (Small Size) Series GE Flood Lights (26 56 36 00-0001) Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0010 High Pressure Sodium P-154 Series GE Flood Lights (26 56 36 00-0009)		
26 56 36 00-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light.....	395.65	61.39
26 56 36 00-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light.....	398.18	61.39
26 56 36 00-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light.....	402.61	61.39
26 56 36 00-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light.....	452.63	61.39
26 56 36 00-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light.....	467.19	61.39
26 56 36 00-0016 Metal Halide P-154 Series GE Flood Lights (26 56 36 00-0009)		
26 56 36 00-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light.....	391.21	61.39
26 56 36 00-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light.....	413.37	61.39
26 56 36 00-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light.....	424.77	61.39
26 56 36 00-0020 PF-154 (Medium Size) Series GE Flood Lights (26 56 36 00-0001) Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0021 High Pressure Sodium PF-154 Series GE Flood Lights (26 56 36 00-0020)		
26 56 36 00-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	400.22	69.06
26 56 36 00-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	403.39	69.06
26 56 36 00-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	408.45	69.06
26 56 36 00-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	457.84	69.06
26 56 36 00-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	471.76	69.06
26 56 36 00-0027 Metal Halide PF-154 GE Flood Lights (26 56 36 00-0020)		
26 56 36 00-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light.....	396.42	69.06
26 56 36 00-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light.....	417.95	69.06
26 56 36 00-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light.....	429.35	69.06
26 56 36 00-0031 PF-400 (Medium Size) Series GE Flood Lights (26 56 36 00-0001) Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0032 High Pressure Sodium PF-400 Series GE Flood Lights (26 56 36 00-0031)		
26 56 36 00-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	549.64	69.06
26 56 36 00-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	593.95	69.06
26 56 36 00-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	590.79	69.06
26 56 36 00-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	606.61	69.06
26 56 36 00-0037 Metal Halide PF-400 GE Flood Lights (26 56 36 00-0031)		
26 56 36 00-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light.....	566.10	69.06
26 56 36 00-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light.....	579.39	69.06
26 56 36 00-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light.....	593.32	69.06



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 36 00-0041			PF-1000 (Large Size) Series GE Flood Lights (26 56 36 00-0001) Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0042			High Pressure Sodium PF-1000 Series GE Flood Lights (26 56 36 00-0041)		
26 56 36 00-0043	EA		750 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	754.28	76.73
26 56 36 00-0044	EA		1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	754.28	76.73
26 56 36 00-0045			Metal Halide PF-1000 Series GE Flood Lights (26 56 36 00-0041)		
26 56 36 00-0046	EA		1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	717.56	76.73
26 56 36 00-0047			HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 56 36 00-0001) Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0048			High Pressure Sodium HLU/VLU FRP Series GE Flood Lights (26 56 36 00-0047)		
26 56 36 00-0049	EA		250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	610.41	69.06
26 56 36 00-0050	EA		400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	622.44	69.06
26 56 36 00-0051			Metal Halide HLU/VLU Series GE Flood Lights (26 56 36 00-0047)		
26 56 36 00-0052	EA		400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light.....	617.38	69.06
26 56 36 00-0053			Accessories For Powerflood GE Flood Lights (26 56 36 00-0001)		
26 56 36 00-0054	EA		Wireguard For Powerflood GE Flood Light.....	103.51	15.35
26 56 36 00-0055	EA		Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	56.66	15.35
26 56 36 00-0056	EA		Top Visor For Powerflood Flood Light.....	85.78	15.35
26 56 36 00-0057	EA		Top And Two Side Visors For Powerflood GE Flood Light.....	63.62	15.35
26 56 36 00-0058	EA		Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	156.66	46.04
26 56 36 00-0059	EA		Multiple Mounting Channel For Powerflood GE Flood Light.....	70.59	15.35
26 56 36 00-0060	EA		Wall Or Flat Surface Bracket For Powerflood GE Flood Light.....	109.17	46.04
26 56 36 00-0061	EA		Steel Angle Bracket For Powerflood GE Flood Light.....	114.87	46.04
26 56 36 00-0062	EA		Cross Arm Adaptor For Powerflood GE Flood Light.....	50.96	15.35
26 56 36 00-0063	EA		120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light.....	49.06	15.35
26 56 36 00-0064			Lithonia Contour Series Flood Lights (26 56 36)		
26 56 36 00-0065			TFM (Small Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 56 36 00-0066			High Pressure Sodium TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0067	EA		70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	361.94	61.39
26 56 36 00-0068	EA		100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	398.50	61.39
26 56 36 00-0069	EA		150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	434.29	61.39
26 56 36 00-0070			Metal Halide TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0071	EA		50 Watt Metal Halide TFM Series Lithonia Flood Light.....	478.96	61.39
26 56 36 00-0072	EA		70 Watt Metal Halide TFM Series Lithonia Flood Light.....	470.16	61.39
26 56 36 00-0073	EA		100 Watt Metal Halide TFM Series Lithonia Flood Light.....	455.98	61.39
26 56 36 00-0074	EA		175 Watt Metal Halide TFM Series Lithonia Flood Light.....	454.93	61.39
26 56 36 00-0075			Compact Fluorescent TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0076	EA		42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	475.32	61.39
26 56 36 00-0077			TFL (Medium Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0078			High Pressure Sodium TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0079	EA		250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	567.77	69.06
26 56 36 00-0080	EA		400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	579.96	69.06
26 56 36 00-0081			Metal Halide TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0082	EA		175 Watt Metal Halide TFL Series Lithonia Flood Light.....	540.37	69.06
26 56 36 00-0083	EA		250 Watt Metal Halide TFL Series Lithonia Flood Light.....	540.37	69.06
26 56 36 00-0084	EA		400 Watt Metal Halide TFL Series Lithonia Flood Light.....	559.49	69.06
26 56 36 00-0085			TFR (Low Profile) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0086 High Pressure Sodium TFR Lithonia Flood Lights <small>(26 56 36 00-0085)</small>		
26 56 36 00-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	546.35	61.39
26 56 36 00-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	564.60	61.39
26 56 36 00-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	579.84	61.39
26 56 36 00-0090 Metal Halide TFR Lithonia Flood Lights <small>(26 56 36 00-0085)</small>		
26 56 36 00-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light	540.25	61.39
26 56 36 00-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light	558.52	61.39
26 56 36 00-0093 TFA (Large Size) Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small>		
Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0094 High Pressure Sodium TFA Series Lithonia Flood Lights <small>(26 56 36 00-0093)</small>		
26 56 36 00-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,082.71	76.73
26 56 36 00-0096 Metal Halide TFA Series Lithonia Flood Lights <small>(26 56 36 00-0093)</small>		
26 56 36 00-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light	823.73	76.73
26 56 36 00-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light	915.13	76.73
26 56 36 00-0099 Accessories For Contour Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small>		
26 56 36 00-0100 EA Wireguard For Contour Series Lithonia Flood Light.....	88.15	15.35
26 56 36 00-0101 EA Vandal Guard For Contour Series Lithonia Flood Light	177.86	15.35
26 56 36 00-0102 EA Upper Visor For Contour Series Lithonia Flood Light	71.22	15.35
26 56 36 00-0103 EA Full Visor For Contour Series Lithonia Flood Light	98.63	15.35
26 56 36 00-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	213.93	46.04
26 56 36 00-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light	165.42	46.04
26 56 36 00-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light	165.42	46.04
26 56 36 00-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	184.77	46.04
26 56 36 00-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	83.98	15.35
26 56 36 00-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	65.39	15.35
26 56 36 00-0110 Ruud Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0111 NS (Micro) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 56 36 00-0112 High Pressure Sodium NS Series Ruud Flood Lights <small>(26 56 36 00-0111)</small>		
26 56 36 00-0113 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light	235.16	46.04
26 56 36 00-0114 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light	235.16	46.04
26 56 36 00-0115 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light	235.16	46.04
26 56 36 00-0116 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light	235.16	46.04
26 56 36 00-0117 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light	235.16	46.04
26 56 36 00-0118 Metal Halide NS Series Ruud Flood Lights <small>(26 56 36 00-0111)</small>		
26 56 36 00-0119 EA 50 Watt Metal Halide NS Series Ruud Flood Light	270.61	46.04
26 56 36 00-0120 EA 70 Watt Metal Halide NS Series Ruud Flood Light	270.61	46.04
26 56 36 00-0121 EA 100 Watt Metal Halide NS Series Ruud Flood Light	270.61	46.04
26 56 36 00-0122 Compact Fluorescent NS Series Ruud Flood Lights <small>(26 56 36 00-0111)</small>		
26 56 36 00-0123 EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light	198.44	46.04
26 56 36 00-0124 EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light	207.30	46.04
26 56 36 00-0125 EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light	209.84	46.04
26 56 36 00-0126 EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light	212.37	46.04
26 56 36 00-0127 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 56 36 00-0128 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights <small>(26 56 36 00-0127)</small>		
26 56 36 00-0129 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	363.50	69.06
26 56 36 00-0130 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	386.30	69.06
26 56 36 00-0131 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	398.96	69.06
26 56 36 00-0132 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights <small>(26 56 36 00-0127)</small>		
26 56 36 00-0133 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	358.44	69.06
26 56 36 00-0134 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	360.97	69.06
26 56 36 00-0135 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	368.57	69.06
26 56 36 00-0136 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights <small>(26 56 36 00-0127)</small>		
26 56 36 00-0137 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	349.58	69.06



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 36 00-0138			FS (Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0139			High Pressure Sodium FS Series Ruud Flood Lights <small>(26 56 36 00-0138)</small>		
26 56 36 00-0140	EA		250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	430.61	69.06
26 56 36 00-0141	EA		400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	433.14	69.06
26 56 36 00-0142	EA		1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	754.91	76.73
26 56 36 00-0143			Metal Halide FS Series Ruud Flood Lights <small>(26 56 36 00-0138)</small>		
26 56 36 00-0144	EA		175 Watt Metal Halide FS Series Ruud Flood Light.....	430.61	69.06
26 56 36 00-0145	EA		250 Watt Metal Halide FS Series Ruud Flood Light.....	433.14	69.06
26 56 36 00-0146	EA		400 Watt Metal Halide FS Series Ruud Flood Light.....	440.74	69.06
26 56 36 00-0147	EA		1,000 Watt Metal Halide FS Series Ruud Flood Light.....	671.35	76.73
26 56 36 00-0148			MFS (Mini Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0149			High Pressure Sodium MFS Series Ruud Flood Lights <small>(26 56 36 00-0148)</small>		
26 56 36 00-0150	EA		35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	334.24	61.39
26 56 36 00-0151	EA		50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	360.83	61.39
26 56 36 00-0152	EA		70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	360.83	61.39
26 56 36 00-0153	EA		100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	360.83	61.39
26 56 36 00-0154	EA		150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	360.83	61.39
26 56 36 00-0155			Metal Halide MFS Series Ruud Flood Lights <small>(26 56 36 00-0148)</small>		
26 56 36 00-0156	EA		50 Watt Metal Halide MFS Series Ruud Flood Light.....	369.69	61.39
26 56 36 00-0157	EA		70 Watt Metal Halide MFS Series Ruud Flood Light.....	369.69	61.39
26 56 36 00-0158	EA		100 Watt Metal Halide MFS Series Ruud Flood Light.....	369.69	61.39
26 56 36 00-0159	EA		175 Watt Metal Halide MFS Series Ruud Flood Light.....	355.76	61.39
26 56 36 00-0160			MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0161			High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0160)</small>		
26 56 36 00-0162	EA		35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	365.89	61.39
26 56 36 00-0163	EA		50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	392.48	61.39
26 56 36 00-0164	EA		70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	392.48	61.39
26 56 36 00-0165	EA		100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	392.48	61.39
26 56 36 00-0166	EA		150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	392.48	61.39
26 56 36 00-0167			Metal Halide MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0160)</small>		
26 56 36 00-0168	EA		50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	401.34	61.39
26 56 36 00-0169	EA		70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	401.34	61.39
26 56 36 00-0170	EA		100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	401.34	61.39
26 56 36 00-0171	EA		175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	387.42	61.39
26 56 36 00-0172			CF (Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 56 36 00-0173			High Pressure Sodium CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>		
26 56 36 00-0174	EA		250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	490.12	69.06
26 56 36 00-0175	EA		400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	502.79	69.06
26 56 36 00-0176	EA		1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	786.57	76.73
26 56 36 00-0177			Metal Halide CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>		
26 56 36 00-0178	EA		175 Watt Metal Halide CF Series Ruud Flood Light.....	462.27	69.06
26 56 36 00-0179	EA		250 Watt Metal Halide CF Series Ruud Flood Light.....	464.80	69.06
26 56 36 00-0180	EA		400 Watt Metal Halide CF Series Ruud Flood Light.....	472.40	69.06
26 56 36 00-0181	EA		1,000 Watt Metal Halide CF Series Ruud Flood Light.....	703.00	76.73
26 56 36 00-0182			CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 56 36 00-0183			High Pressure Sodium CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>		
26 56 36 00-0184	EA		400 High Pressure Sodium CN Series Ruud Flood Light.....	639.69	76.73
26 56 36 00-0185	EA		1,000 High Pressure Sodium CN Series Ruud Flood Light.....	771.38	76.73
26 56 36 00-0186			Metal Halide CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>		
26 56 36 00-0187	EA		400 Watt Metal Halide CN Series Ruud Flood Light	609.30	76.73
26 56 36 00-0188	EA		1,000 Watt Metal Halide CN Series Ruud Flood Light	687.81	76.73



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0189 PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0190 High Pressure Sodium PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0189)</small>		
26 56 36 00-0191 EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	507.85	69.06
26 56 36 00-0192 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	520.51	69.06
26 56 36 00-0193 Metal Halide PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0189)</small>		
26 56 36 00-0194 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	479.99	69.06
26 56 36 00-0195 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	482.53	69.06
26 56 36 00-0196 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	490.12	69.06
26 56 36 00-0197 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	720.73	76.73
26 56 36 00-0198 Accessories For Ruud Flood Lighting <small>(26 56 36 00-0110)</small>		
26 56 36 00-0199 EA Wireguard For Rudd Flood Light.....	49.69	15.35
26 56 36 00-0200 EA Deep Baffle (Full Visor) For Rudd Flood Light.....	83.88	15.35
26 56 36 00-0201 EA Glare Guard (Upper Visor) For Rudd Flood Light	58.56	15.35
26 56 36 00-0202 EA Vandal Shield For Rudd Flood Light.....	71.22	15.35
26 56 36 00-0203 EA Pipe Mounting Bracket For Ruud Flood Light.....	135.13	46.04
26 56 36 00-0204 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	42.10	15.35
26 56 36 00-0205 Lumark Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0206 QZ Wedge Series Quartz Lumark Flood Lights <small>(26 56 36 00-0205)</small> Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0207 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	117.97	46.04
26 56 36 00-0208 LQL Series Quartz Lumark Flood Lights <small>(26 56 36 00-0205)</small> Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0209 EA 1,500 Watt LQL Series Quartz Lumark Flood Light	155.33	46.04
26 56 36 00-0210 Kim Lighting <small>(26 56 36)</small>		
26 56 36 00-0211 MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0210)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0212 LED MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0211)</small>		
26 56 36 00-0213 EA 5 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	285.08	17.91
26 56 36 00-0214 EA 15 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	355.33	17.91
26 56 36 00-0215 Scarab® Series Kim Lighting Flood Lights <small>(26 56 36 00-0210)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0216 LED Scarab® Series Kim Lighting Accent Flood Lights <small>(26 56 36 00-0215)</small> Note: Spot or narrow style accent flood lights.		
26 56 36 00-0217 EA 6 Watt LED Scarab® Series Kim Lighting Accent Flood Light.....	441.75	17.91
26 56 36 00-0218 CREE® BetaLED® Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0219 Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0220 EA 40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	724.23	54.27
26 56 36 00-0221 EA 60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	795.42	57.29
26 56 36 00-0222 Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0223 EA 20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	624.95	51.26
For 480 Volt, Add	59.06	
26 56 36 00-0224 EA 40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	796.13	54.27
For 480 Volt, Add	59.06	
26 56 36 00-0225 EA 60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	967.32	57.29
For 480 Volt, Add	59.06	
26 56 36 00-0226 EA 80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,204.79	60.31
For 480 Volt, Add	59.06	
26 56 36 00-0227 EA 100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,375.98	63.32
For 480 Volt, Add	59.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0228	EA		120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,547.16	66.34
			<i>For 480 Volt, Add</i>	59.06	
26 56 36 00-0229	EA		140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,771.15	69.35
			<i>For 480 Volt, Add</i>	59.06	
26 56 36 00-0230	EA		160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,942.33	72.36
			<i>For 480 Volt, Add</i>	59.06	
26 56 36 00-0231			Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) <small>(26 56 36 00-0218)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0232	EA		120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	1,480.87	66.34
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.25	
			<i>For Bird Spikes, Add</i>	27.50	
			<i>For 5,000K Color Temperature, Add</i>	33.13	
			<i>For Fuse, Add</i>	39.75	
			<i>For 0 To 10 Volt Dimming, Add</i>	39.75	
			<i>For 480 Volt, Add</i>	59.63	
			<i>For Multi-Level, Add</i>	86.12	
			<i>For 1,000mA Driver, Add</i>	111.31	
26 56 36 00-0233	EA		240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	2,540.61	81.41
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.25	
			<i>For 5,000K Color Temperature, Add</i>	33.13	
			<i>For Fuse, Add</i>	39.75	
			<i>For 0 To 10 Volt Dimming, Add</i>	39.75	
			<i>For Bird Spikes, Add</i>	41.54	
			<i>For Multi-Level, Add</i>	86.12	
			<i>For 1,000mA Driver, Add</i>	111.31	
			<i>For 480 Volt, Add</i>	119.25	
26 56 36 00-0234			Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) <small>(26 56 36 00-0218)</small>		
			Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0235	EA		112 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL) (DLC Certified).....	842.25	66.34
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.25	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	20.54	
			<i>For Rotated Optics, Back Light Shield, Add</i>	20.54	
			<i>For Field Adjustable Output, Add</i>	19.88	
			<i>For Fuse, Add</i>	39.75	
			<i>For 0 To 10 Volt Dimming, Add</i>	39.75	
			<i>For Multi-Level, Add</i>	86.12	
26 56 36 00-0236	EA		168 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) (DLC Certified).....	904.86	66.34
			Note: Type III, IV or V medium optics only.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.25	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	20.54	
			<i>For Rotated Optics, Back Light Shield, Add</i>	20.54	
			<i>For Field Adjustable Output, Add</i>	19.88	
			<i>For Fuse, Add</i>	39.75	
			<i>For 0 To 10 Volt Dimming, Add</i>	39.75	
			<i>For Type II Medium Or Type V Short Optics, Add</i>	100.16	
			<i>For Multi-Level, Add</i>	86.12	
26 56 36 00-0237	EA		223 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) (DLC Certified).....	1,164.58	81.41
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	13.25	
			<i>For Field Adjustable Output, Add</i>	19.88	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	24.84	
			<i>For Rotated Optics, Back Light Shield, Add</i>	24.84	
			<i>For Fuse, Add</i>	39.75	
			<i>For 0 To 10 Volt Dimming, Add</i>	39.75	
			<i>For Multi-Level, Add</i>	86.12	
26 56 36 00-0238			PlanLED Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0239			Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) <small>(26 56 36 00-0238)</small>		
26 56 36 00-0240	EA		6,250 Lumens, 50 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050).....	335.64	54.27
26 56 36 00-0241	EA		9,375 Lumens, 75 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075).....	405.72	57.29
26 56 36 00-0242	EA		12,500 Lumens, 100 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100).....	470.66	61.81
26 56 36 00-0243			Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) <small>(26 56 36 00-0238)</small>		
26 56 36 00-0244	EA		21,000 Lumens, 200 System Watts, LED Sports Flood Light (PlanLED SUFA SF200).....	957.42	120.61
			<i>For 0 To 10 Volt Dimming, Add</i>	49.88	
26 56 36 00-0245	EA		42,000 Lumens, 400 System Watts, LED Sports Flood Light (PlanLED SUFA SF400).....	1,522.23	120.61
			<i>For 0 To 10 Volt Dimming, Add</i>	49.88	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0246 EA 84,000 Lumens, 800 System Watts, LED Sports Flood Light (PlanLED SUFA SF800)..... <i>For 0 To 10 Volt Dimming, Add</i>	2,738.03 49.88	120.61
26 56 36 00-0247 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) <small>(26 56 36 00-0238)</small>		
26 56 36 00-0248 EA 26,000 Lumens, 200 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)..... <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i>	863.68 49.88 -19.78	78.40
26 56 36 00-0249 EA 39,000 Lumens, 300 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)..... <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i>	1,116.59 49.88 60.14	81.41
26 56 36 00-0250 EA 52,000 Lumens, 400 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)..... <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i>	1,435.90 49.88 48.27	84.42
26 56 39 Hazardous Location Flood Lights <small>(26 56)</small>		
<i>Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.</i>		
26 56 39 00-0001 Lithonia Hazardous Location Flood Lights <small>(26 56 39)</small>		
26 56 39 00-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> <i>Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.</i>		
26 56 39 00-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights <small>(26 56 39 00-0002)</small>		
26 56 39 00-0004 EA 150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	541.02	61.39
26 56 39 00-0005 EA 250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	580.27	61.39
26 56 39 00-0006 EA 400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	542.28	61.39
26 56 39 00-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0002)</small>		
26 56 39 00-0008 EA 250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	576.08	61.39
26 56 39 00-0009 EA 400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	557.48	61.39
26 56 39 00-0010 HFM (Medium Base) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> <i>Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.</i>		
26 56 39 00-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0010)</small>		
26 56 39 00-0012 EA 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	514.04	61.39
26 56 39 00-0013 EA 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	537.46	61.39
26 56 39 00-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0010)</small>		
26 56 39 00-0015 EA 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	450.73	61.39
26 56 39 00-0016 HFA (Large) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> <i>Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.</i>		
26 56 39 00-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0016)</small>		
26 56 39 00-0018 EA 250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	732.12	76.73
26 56 39 00-0019 EA 400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	743.52	76.73
26 56 39 00-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0016)</small>		
26 56 39 00-0021 EA 250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	728.32	76.73
26 56 39 00-0022 EA 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	743.52	76.73
26 56 39 00-0023 HFL (Medium) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small> <i>Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.</i>		
26 56 39 00-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0023)</small>		
26 56 39 00-0025 EA 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	536.97	69.06
26 56 39 00-0026 Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0023)</small>		
26 56 39 00-0027 EA 400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	581.29	69.06

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 39 00-0028	Accessories For Lithonia Hazardous Location Flood Lights (26 56 39 00-0001) See CSI section 26 56 36 00-0099 for accessories.		
26 56 43	High Performance Flood Lights (26 56) Note: For airport aprons and parking areas.		
26 56 43 00-0001	Lithonia High Performance Flood Lights (26 56 43)		
26 56 43 00-0002	170S Series Lithonia High Performance Flood Lights (26 56 43 00-0001) Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 56 43 00-0003	High Pressure Sodium 170S Series Lithonia High Performance Flood Lights (26 56 43 00-0002)		
26 56 43 00-0004	EA 250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,284.50	92.08
26 56 43 00-0005	EA 400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,388.33	92.08
26 56 43 00-0006	EA 750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,393.39	92.08
26 56 43 00-0007	EA 1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,551.67	92.08
26 56 43 00-0008	Metal Halide 170S Series Lithonia High Performance Flood Lights (26 56 43 00-0002)		
26 56 43 00-0009	EA 320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,485.82	92.08
26 56 43 00-0010	EA 350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,415.61	92.08
26 56 43 00-0011	EA 400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,349.07	92.08
26 56 43 00-0012	EA 1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,414.92	92.08
26 56 43 00-0013	Accessories For Lithonia High Performance Flood Lights (26 56 43 00-0002) See CSI section 26 56 36 00-0099 for accessories.		

END OF SECTION 26



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications (27)

27 05 26 Grounding and Bonding for Communications Systems (27 05)

Table with 3 columns: Item ID, Description, and Cost. Items include 27 05 26 00-0001 through 27 05 26 00-0010 with descriptions of grounding bus bars, straps, lugs, and terminals.

27 05 29 Hangers And Supports For Communications Systems (27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)

Note: Includes screw.

Table with 3 columns: Item ID, Description, and Cost. Items include 27 05 29 00-0003 through 27 05 29 00-0006 with detailed descriptions of hook sizes, finishes, and installation notes.

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)

Note: Includes screw.

Table with 3 columns: Item ID, Description, and Cost. Item 27 05 29 00-0008 describes a screw on angle bracket attachment with detailed notes on installation and finishing.

27 Communications
27 05 Common Work Results for Communications
27 05 29 Hangers And Supports For Communications Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	6.99	1.28
			For >50 To 100, Deduct	-0.24	
			For >100 To 250, Deduct	-0.48	
			For >250 To 500, Deduct	-0.84	
			For >500, Deduct	-1.21	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.74	
			For Work In Restricted Working Space, Add	0.77	
27 05 29 00-0010	EA		2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	7.87	1.28
			For >50 To 100, Deduct	-0.26	
			For >100 To 250, Deduct	-0.52	
			For >250 To 500, Deduct	-0.91	
			For >500, Deduct	-1.30	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.74	
			For Work In Restricted Working Space, Add	0.77	
27 05 29 00-0011	EA		4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	11.01	1.28
			For >50 To 100, Deduct	-0.34	
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-1.15	
			For >500, Deduct	-1.61	
			For Installation On Concrete (Includes Drilling And Fastener), Add	0.74	
			For Work In Restricted Working Space, Add	0.77	
27 05 29 00-0012			Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small> Note: Excludes strut.		
27 05 29 00-0013	EA		3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	5.53	1.28
			For >50 To 100, Deduct	-0.20	
			For >100 To 250, Deduct	-0.40	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-1.07	
			For Work In Restricted Working Space, Add	0.77	
27 05 29 00-0014	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	6.73	1.28
			For >50 To 100, Deduct	-0.23	
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.82	
			For >500, Deduct	-1.19	
			For Work In Restricted Working Space, Add	0.77	
27 05 29 00-0015	EA		2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	7.35	1.28
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.87	
			For >500, Deduct	-1.25	
			For Work In Restricted Working Space, Add	0.77	
27 05 29 00-0016	EA		4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	10.32	1.28
			For >50 To 100, Deduct	-0.32	
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-1.09	
			For >500, Deduct	-1.54	
			For Work In Restricted Working Space, Add	0.77	
27 05 29 00-0017			T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small> Note: Excludes T-Bar.		
27 05 29 00-0018	EA		3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	6.84	1.28
			For >50 To 100, Deduct	-0.24	
			For >100 To 250, Deduct	-0.47	
			For >250 To 500, Deduct	-0.83	
			For >500, Deduct	-1.20	
			For Work In Restricted Working Space, Add	0.77	
27 05 29 00-0019	EA		1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	8.88	1.28
			For >50 To 100, Deduct	-0.29	
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-0.99	
			For >500, Deduct	-1.40	
			For Work In Restricted Working Space, Add	0.77	
27 05 29 00-0020	EA		2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	9.41	1.28
			For >50 To 100, Deduct	-0.30	
			For >100 To 250, Deduct	-0.60	
			For >250 To 500, Deduct	-1.03	
			For >500, Deduct	-1.45	
			For Work In Restricted Working Space, Add	0.77	
27 05 29 00-0021			Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small> Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0022	EA 3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	5.37	1.28
	<i>For >50 To 100, Deduct</i>	-0.20	
	<i>For >100 To 250, Deduct</i>	-0.40	
	<i>For >250 To 500, Deduct</i>	-0.72	
	<i>For >500, Deduct</i>	-1.05	
	<i>For Work In Restricted Working Space, Add</i>	0.77	
27 05 29 00-0023	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	5.64	1.28
	<i>For >50 To 100, Deduct</i>	-0.21	
	<i>For >100 To 250, Deduct</i>	-0.41	
	<i>For >250 To 500, Deduct</i>	-0.74	
	<i>For >500, Deduct</i>	-1.08	
	<i>For Work In Restricted Working Space, Add</i>	0.77	
27 05 29 00-0024	EA 2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	7.05	1.28
	<i>For >50 To 100, Deduct</i>	-0.24	
	<i>For >100 To 250, Deduct</i>	-0.48	
	<i>For >250 To 500, Deduct</i>	-0.85	
	<i>For >500, Deduct</i>	-1.22	
	<i>For Work In Restricted Working Space, Add</i>	0.77	
27 05 29 00-0025	Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small> Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.		
27 05 29 00-0026	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	6.89	1.28
	<i>For >50 To 100, Deduct</i>	-0.24	
	<i>For >100 To 250, Deduct</i>	-0.47	
	<i>For >250 To 500, Deduct</i>	-0.84	
	<i>For >500, Deduct</i>	-1.20	
	<i>For Work In Restricted Working Space, Add</i>	0.77	
27 05 29 00-0027	EA 2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	7.55	1.28
	<i>For >50 To 100, Deduct</i>	-0.25	
	<i>For >100 To 250, Deduct</i>	-0.51	
	<i>For >250 To 500, Deduct</i>	-0.89	
	<i>For >500, Deduct</i>	-1.27	
	<i>For Work In Restricted Working Space, Add</i>	0.77	
27 05 29 00-0028	EA 4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	10.83	1.28
	<i>For >50 To 100, Deduct</i>	-0.33	
	<i>For >100 To 250, Deduct</i>	-0.67	
	<i>For >250 To 500, Deduct</i>	-1.13	
	<i>For >500, Deduct</i>	-1.60	
	<i>For Work In Restricted Working Space, Add</i>	0.77	
27 05 29 00-0029	Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
27 05 29 00-0030	EA 3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	6.80	1.28
	<i>For >50 To 100, Deduct</i>	-0.23	
	<i>For >100 To 250, Deduct</i>	-0.47	
	<i>For >250 To 500, Deduct</i>	-0.83	
	<i>For >500, Deduct</i>	-1.19	
	<i>For Work In Restricted Working Space, Add</i>	0.77	
27 05 29 00-0031	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	7.98	1.28
	<i>For >50 To 100, Deduct</i>	-0.26	
	<i>For >100 To 250, Deduct</i>	-0.53	
	<i>For >250 To 500, Deduct</i>	-0.92	
	<i>For >500, Deduct</i>	-1.31	
	<i>For Work In Restricted Working Space, Add</i>	0.77	
27 05 29 00-0032	EA 2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	8.60	1.28
	<i>For >50 To 100, Deduct</i>	-0.28	
	<i>For >100 To 250, Deduct</i>	-0.56	
	<i>For >250 To 500, Deduct</i>	-0.97	
	<i>For >500, Deduct</i>	-1.37	
	<i>For Work In Restricted Working Space, Add</i>	0.77	
27 05 29 00-0033	EA 4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	12.02	1.28
	<i>For >50 To 100, Deduct</i>	-0.36	
	<i>For >100 To 250, Deduct</i>	-0.73	
	<i>For >250 To 500, Deduct</i>	-1.22	
	<i>For >500, Deduct</i>	-1.71	
	<i>For Work In Restricted Working Space, Add</i>	0.77	
27 05 29 00-0034	Adjustable Cable Supports (Caddy® CableCat CAT425) <small>(27 05 29)</small>		

27 Communications
27 05 Common Work Results for Communications
27 05 29 Hangers And Supports For Communications Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0035	EA		Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	20.16	1.69
			<i>For >50 To 100, Deduct</i>	-0.63	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-2.15	
			<i>For >500, Deduct</i>	-3.04	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.38	
			<i>For Work In Restricted Working Space, Add</i>	1.53	
27 05 29 00-0036	EA		Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	20.60	1.69
			<i>For >50 To 100, Deduct</i>	-0.64	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-3.08	
			<i>For Work In Restricted Working Space, Add</i>	1.53	
27 05 29 00-0037	EA		Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	22.89	1.69
			<i>For >50 To 100, Deduct</i>	-0.70	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-2.36	
			<i>For >500, Deduct</i>	-3.31	
			<i>For Work In Restricted Working Space, Add</i>	1.53	
27 05 29 00-0038	EA		>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	20.09	1.69
			<i>For >50 To 100, Deduct</i>	-0.63	
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-2.15	
			<i>For >500, Deduct</i>	-3.03	
			<i>For Work In Restricted Working Space, Add</i>	1.53	
27 05 29 00-0039	EA		Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	21.15	1.69
			<i>For >50 To 100, Deduct</i>	-0.66	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-2.23	
			<i>For >500, Deduct</i>	-3.14	
			<i>For Work In Restricted Working Space, Add</i>	1.53	
27 05 29 00-0040	EA		>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	22.20	1.69
			<i>For >50 To 100, Deduct</i>	-0.68	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-3.24	
			<i>For Work In Restricted Working Space, Add</i>	1.53	
27 05 29 00-0041	EA		Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	20.80	1.69
			<i>For >50 To 100, Deduct</i>	-0.65	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-3.10	
			<i>For Work In Restricted Working Space, Add</i>	1.53	

27 05 33 Conduits And Backboxes For Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays For Communications Systems (27 05)

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways For Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts And Raceways For Communications Systems (27 05)

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles For Communications Systems (27 05)

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification For Communications Systems (27 05)

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling (27)

Note: Includes testing.

27 11 Communications Equipment Room Fittings (27 10)

27 11 16 Communications Cabinets, Racks, Frames, And Enclosures (27 11)

27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards (27 11 16)

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard	47.89	13.27
		<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	19.86	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard	95.76	26.54
		<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	39.74	

27 11 16 00-0004 Terminal Cabinets (27 11 16)

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	188.20	38.28
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	243.71	42.10
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	280.38	48.49



	Communications	27
	Structured Cabling	27 10
	Communications Equipment Room Fittings	27 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0008 EA 18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	291.35	49.76
27 11 16 00-0009 EA 24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	365.69	51.04
27 11 16 00-0010 EA 26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard.....	458.25	57.42
27 11 16 00-0011 EA 24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	471.65	56.14
27 11 16 00-0012 EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	598.81	79.98
27 11 16 00-0013 EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	638.35	87.89
27 11 16 00-0014 EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	783.85	92.84
27 11 16 00-0015 EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	647.56	76.56
27 11 16 00-0016 EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	700.18	82.94
27 11 16 00-0017 EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	870.13	106.32
27 11 16 00-0018 EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,039.86	132.90
27 11 16 00-0019 EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,197.54	131.43
27 11 16 00-0020 EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,367.01	159.90
27 11 16 00-0021 Equipment Racks And Cable Managers <small>(27 11 16)</small>		
27 11 16 00-0022 Equipment Racks <small>(27 11 16 00-0021)</small> Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
27 11 16 00-0023 Standard Equipment Racks <small>(27 11 16 00-0022)</small>		
27 11 16 00-0024 19" Width, Standard Equipment Racks <small>(27 11 16 00-0023)</small>		
27 11 16 00-0025 EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03).....	324.79	81.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	8.07	
27 11 16 00-0026 EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15).....	492.16	86.77
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	15.93	
27 11 16 00-0027 EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08).....	534.55	91.87
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	17.54	
27 11 16 00-0028 Universal Equipment Racks <small>(27 11 16 00-0022)</small>		
27 11 16 00-0029 Universal Equipment Racks <small>(27 11 16 00-0028)</small>		
27 11 16 00-0030 19" Width, EIA Universal Equipment Racks <small>(27 11 16 00-0029)</small>		
27 11 16 00-0031 EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31).....	476.81	71.45
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	16.70	
27 11 16 00-0032 EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20).....	529.39	72.73
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.20	
27 11 16 00-0033 EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19).....	526.56	74.01
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	18.93	
27 11 16 00-0034 EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00).....	541.07	75.28
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.53	
27 11 16 00-0035 EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01).....	555.38	76.56
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.11	
27 11 16 00-0036 EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02).....	571.05	77.83
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.77	
27 11 16 00-0037 EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03).....	466.58	79.11
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	15.42	
27 11 16 00-0038 EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05).....	601.38	80.38
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.03	
27 11 16 00-0039 EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15).....	625.12	81.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.09	
27 11 16 00-0040 EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17).....	645.59	82.94
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.99	
27 11 16 00-0041 EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08).....	649.04	84.22
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.03	
27 11 16 00-0042 23" Width, Universal Equipment Racks <small>(27 11 16 00-0029)</small>		
27 11 16 00-0043 EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31).....	511.07	71.45
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	18.41	
27 11 16 00-0044 EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20).....	530.66	72.73
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.26	
27 11 16 00-0045 EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19).....	547.65	74.01
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.98	
27 11 16 00-0046 EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00).....	581.19	75.28
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.53	
27 11 16 00-0047 EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01).....	596.70	76.56
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.18	
27 11 16 00-0048 EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02).....	613.73	77.83
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.90	
27 11 16 00-0049 EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03).....	509.75	79.11
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	17.58	
27 11 16 00-0050 EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05).....	646.68	80.38
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.30	
27 11 16 00-0051 EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15).....	672.55	81.66
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.46	
27 11 16 00-0052 EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17).....	694.90	82.94
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.45	
27 11 16 00-0053 EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08).....	698.44	84.22
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.50	
27 11 16 00-0054 35" Width, Universal Equipment Racks <small>(27 11 16 00-0029)</small>		

27 Communications
27 10 Structured Cabling
27 11 Communications Equipment Room Fittings



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0055	EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	654.78 25.08	76.56
27 11 16 00-0056	EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	691.89 26.68	79.11
27 11 16 00-0057 UL Listed Universal Equipment Racks (27 11 16 00-0028)			
Note: UL listed as a communications circuit accessory.			
27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)			
27 11 16 00-0059	EA 36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	510.21 18.37	71.45
27 11 16 00-0060	EA 48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	558.62 20.66	72.73
27 11 16 00-0061	EA 60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	566.91 20.95	74.01
27 11 16 00-0062	EA 66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	580.15 21.48	75.28
27 11 16 00-0063	EA 72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	595.60 22.12	76.56
27 11 16 00-0064	EA 78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	612.58 22.85	77.83
27 11 16 00-0065	EA 84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	628.82 23.53	79.11
27 11 16 00-0066	EA 90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	645.47 24.24	80.38
27 11 16 00-0067	EA 96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	671.31 25.40	81.66
27 11 16 00-0068	EA 102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	693.59 26.39	82.94
27 11 16 00-0069	EA 108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	697.07 26.43	84.22
27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)			
27 11 16 00-0071	EA 36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	547.93 20.25	71.45
27 11 16 00-0072	EA 48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	609.77 23.22	72.73
27 11 16 00-0073	EA 60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	616.99 23.45	74.01
27 11 16 00-0074	EA 66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	624.25 23.68	75.28
27 11 16 00-0075	EA 72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	641.04 24.40	76.56
27 11 16 00-0076	EA 78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	659.54 25.19	77.83
27 11 16 00-0077	EA 84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	677.16 25.95	79.11
27 11 16 00-0078	EA 90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	695.25 26.72	80.38
27 11 16 00-0079	EA 96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	723.47 28.01	81.66
27 11 16 00-0080	EA 102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	747.81 29.10	82.94
27 11 16 00-0081	EA 108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	751.52 29.16	84.22
27 11 16 00-0082 4-Post Equipment Racks And Server Frames (27 11 16 00-0022)			
27 11 16 00-0083 4-Post Equipment Racks (27 11 16 00-0082)			
27 11 16 00-0084	EA 19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,057.62 40.12	127.59
27 11 16 00-0085	EA 19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,165.21 44.99	132.70
27 11 16 00-0086	EA 19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,266.25 49.53	137.80
27 11 16 00-0087 4-Post Server Frame (27 11 16 00-0082)			
27 11 16 00-0088	EA 19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,092.91 41.89	127.59
27 11 16 00-0089 Cable Managers (27 11 16 00-0021)			
27 11 16 00-0090 Horizontal Cable Managers (27 11 16 00-0089)			
27 11 16 00-0091 Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)			
27 11 16 00-0092	EA 1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719).....	64.82	5.11
27 11 16 00-0093	EA 1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723).....	73.10	5.11
27 11 16 00-0094	EA 1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701).....	52.77	5.11
27 11 16 00-0095	EA 2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719).....	66.06	5.11
27 11 16 00-0096	EA 2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723).....	78.89	5.11
27 11 16 00-0097	EA 2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702).....	59.32	5.11
27 11 16 00-0098	EA 3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719).....	91.90	5.11

27 Communications
27 10 Structured Cabling
27 11 Communications Equipment Room Fittings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0017 EA >20 To 40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	4.15	
27 11 19 00-0018 EA >40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	2.49	
27 11 19 00-0019 Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)		
27 11 19 00-0020 Fiber Optic Cable Connector Housings (27 11 19 00-0019)		
27 11 19 00-0021 Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0022 EA 1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	83.83	11.48
27 11 19 00-0023 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	131.20	11.48
27 11 19 00-0024 EA 4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	201.29	11.48
27 11 19 00-0025 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	294.66	19.14
27 11 19 00-0026 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	419.45	19.14
27 11 19 00-0027 Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0028 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	307.45	19.14
27 11 19 00-0029 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	355.03	19.14
27 11 19 00-0030 EA 6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	384.13	19.14
27 11 19 00-0031 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	454.45	19.14
27 11 19 00-0032 Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0033 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	388.99	19.14
For Splice Tray Bracket, Add	44.01	
27 11 19 00-0034 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	459.76	19.14
For Splice Tray Bracket, Add	48.13	
27 11 19 00-0035 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	579.03	19.14
For Splice Tray Bracket, Add	175.35	
27 11 19 00-0036 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0037 EA 8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	500.00	19.14
27 11 19 00-0038 EA 12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	645.92	19.14
27 11 19 00-0039 EA 24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	734.37	19.14
27 11 19 00-0040 EA 48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	959.97	19.14
27 11 19 00-0041 Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0020) Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0042 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	453.38	11.48
27 11 19 00-0043 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	623.13	19.14
27 11 19 00-0044 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	655.08	19.14
27 11 19 00-0045 Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0020) Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0046 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	475.47	11.48
27 11 19 00-0047 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	622.74	19.14
27 11 19 00-0048 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	735.78	19.14
27 11 19 00-0049 Fiber Optic Cable Connector Panels (27 11 19 00-0019)		
27 11 19 00-0050 SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0051 EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	61.20	2.55
27 11 19 00-0052 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	66.69	2.55
27 11 19 00-0053 EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	75.20	2.55
27 11 19 00-0054 EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	82.51	2.55
27 11 19 00-0055 EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	103.22	2.55
27 11 19 00-0056 EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	114.15	2.55
27 11 19 00-0057 SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0058 EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	58.78	2.55
27 11 19 00-0059 EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	60.07	2.55
27 11 19 00-0060 EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	71.99	2.55
27 11 19 00-0061 EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	73.70	2.55
27 11 19 00-0062 EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	98.39	2.55
27 11 19 00-0063 EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	100.94	2.55
27 11 19 00-0064 LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0065 EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	63.73	2.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0066 EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	70.19	2.55
27 11 19 00-0067 EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	78.56	2.55
27 11 19 00-0068 EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	87.18	2.55
27 11 19 00-0069 EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	108.26	2.55
27 11 19 00-0070 EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	121.17	2.55
27 11 19 00-0071 EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	137.95	2.55
27 11 19 00-0072 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	155.16	2.55
27 11 19 00-0073 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	197.32	2.55
27 11 19 00-0074 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	203.32	2.55
27 11 19 00-0075 ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0076 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	50.35	2.55
27 11 19 00-0077 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	54.49	2.55
27 11 19 00-0078 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	60.73	2.55
27 11 19 00-0079 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	66.27	2.55
27 11 19 00-0080 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	81.49	2.55
27 11 19 00-0081 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	89.80	2.55
27 11 19 00-0082 MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0083 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	63.34	2.55
27 11 19 00-0084 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	96.33	2.55
27 11 19 00-0085 Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0049)		
27 11 19 00-0086 EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	569.20	2.55
27 11 19 00-0087 EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	571.18	2.55
27 11 19 00-0088 Fiber Optic Cable Splice Housings (27 11 19 00-0019)		
27 11 19 00-0089 Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0088)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0090 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	197.99	25.52
27 11 19 00-0091 Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0088)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0092 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	319.80	19.14
27 11 19 00-0093 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	324.95	19.14
27 11 19 00-0094 Fiber Optic Cable Splice Trays (27 11 19 00-0088)		
27 11 19 00-0095 EA Fiber Optic Cable Splice Tray.....	57.73	6.38
27 11 19 00-0096 Fiber Optic Cable Jumper Management Panels (27 11 19 00-0019)		
Note: Includes mounting hardware.		
27 11 19 00-0097 EA Rack Mount, Fiber Optic Cable Jumper Management Panel.....	103.98	19.14
27 11 19 00-0098 Miscellaneous Accessories (27 11 19 00-0001)		
27 11 19 00-0099 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	39.41	
27 11 19 00-0100 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	53.53	
27 11 19 00-0101 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	57.74	
27 11 19 00-0102 EA Wall Mount Bracket For 96 Port Patch Panel.....	64.03	
27 11 19 00-0103 EA Lightning Protection Plus Stainless Steel Modules, Siemon.....	274.40	25.52
27 11 19 00-0104 Telephone Components (27 11 19)		
27 11 19 00-0105 Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0104)		
27 11 19 00-0106 EA Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	16.55	5.12
27 11 19 00-0107 EA Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG.....	34.88	5.12
27 11 19 00-0108 EA Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG.....	27.38	5.12
27 11 19 00-0109 EA Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	12.21	5.12
27 11 19 00-0110 EA Flat Terminal Block Connection With Wire Range 22-8 AWG	8.61	3.58
27 11 19 00-0111 EA Ground Terminal Block With Wire Range 22-8 AWG	17.35	5.12
27 11 19 00-0112 EA Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG	12.21	5.12
27 11 19 00-0113 EA Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG	8.49	3.58
27 11 19 00-0114 EA Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG	8.41	3.58
27 11 19 00-0115 EA Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG	8.77	3.58
27 11 19 00-0116 Terminal Block Mounting Channel (27 11 19 00-0104)		
27 11 19 00-0117 EA Terminal Block Mounting Channel, .5 M Galvanized Steel	8.86	2.56
27 11 19 00-0118 EA Terminal Block Mounting Channel, 1 M Galvanized Steel	11.88	2.56
27 11 19 00-0119 EA Terminal Block Mounting Channel, 2 M Galvanized Steel	17.23	2.56
27 11 19 00-0120 EA Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	11.59	3.07
27 11 19 00-0121 EA Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	16.63	3.07
27 11 19 00-0122 EA Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	25.05	3.07

27 Communications
27 10 Structured Cabling
27 11 Communications Equipment Room Fittings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 11 19 00-0123		Outlet Termination Hardware <small>(27 11 19 00-0104)</small>	
27 11 19 00-0124	EA	Telephone Outlet Blocks.....	18.79 2.56
27 11 19 00-0125	EA	Phone Outlet Block For Floor Box..... Note: Excludes box.	44.14 19.39
27 11 19 00-0126	EA	Fiber Optic "SC" Type Modular Bulkhead.....	42.83 11.48
27 11 19 00-0127	EA	Fiber Optic "ST" Type Modular Bulkhead.....	42.83 11.48
27 11 19 00-0128	EA	Type "F" Coaxial Connector Male.....	24.43 7.66
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	67.74 12.76
27 11 19 00-0130	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	67.74 12.76
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	83.47 12.76
27 11 19 00-0132	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	83.47 12.76
27 11 19 00-0133	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	75.19 12.76
27 11 19 00-0134	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	683.87 63.80
27 11 19 00-0135	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V..... Note: Excludes cable terminations.	31.13 5.11
27 11 19 00-0136	EA	Connecting Block, 5-Pair.....	1.77 0.51
27 11 19 00-0137	EA	Connecting Block, 4-Pair.....	1.71 0.51
27 11 19 00-0138	EA	Plastic Label Holder, Transparent.....	7.16 1.27
27 11 19 00-0139	EA	Marked Label, White, 5-Pair.....	1.86
27 11 19 00-0140	EA	Marked Label, Blue, 4-Pair.....	1.86

27 11 19 00-0141		Terminations in Manhole or Junction Box <small>(27 11 19 00-0104)</small>	
27 11 19 00-0142	EA	25 Pair Cable Termination In Manhole Or Junction Box.....	81.66
27 11 19 00-0143	EA	50 Pair Cable Termination In Manhole Or Junction Box.....	163.32
27 11 19 00-0144	EA	100 Pair Cable Termination In Manhole Or Junction Box.....	326.65
27 11 19 00-0145	EA	150 Pair Cable Termination In Manhole Or Junction Box.....	489.97
27 11 19 00-0146	EA	200 Pair Cable Termination In Manhole Or Junction Box.....	573.16
27 11 19 00-0147	EA	300 Pair Cable Termination In Manhole Or Junction Box.....	859.48
27 11 19 00-0148	EA	400 Pair Cable Termination In Manhole Or Junction Box.....	1,080.99
27 11 19 00-0149	EA	500 Pair Cable Termination In Manhole Or Junction Box.....	1,351.49
27 11 19 00-0150	EA	750 Pair Cable Termination In Manhole Or Junction Box.....	2,027.23
27 11 19 00-0151	EA	1,000 Pair Cable Termination In Manhole Or Junction Box.....	2,458.49
27 11 19 00-0152	EA	1,200 Pair Cable Termination In Manhole Or Junction Box.....	2,802.02

27 11 23 Communications Cable Management and Ladder Rack (27 11)

27 11 23 00-0001		Equipment Supports <small>(27 11 23)</small>	
27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133).....	18.21 2.55
27 11 23 00-0003	LF	Velcro CMP.....	1.35 0.51
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway.....	60.77 12.24
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway.....	104.63 20.41
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway.....	19.16 3.82
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway.....	7.49 2.55
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway.....	8.08 2.55
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway.....	19.50 4.60
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway.....	43.20 7.66
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway.....	3.65 1.12
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway.....	21.26 6.38

27 14 Communications Cabling (27 10)

27 14 13 Communications Copper Cabling (27 14)

27 14 13 13 Communications Copper Cable Splicing and Terminations (27 14 13)

27 14 13 13-0001		Modular Plugs For Copper Communications Cable <small>(27 14 13 13)</small>	
27 14 13 13-0002	EA	Modular Plug For Non-Shielded Copper Communications Cable..... Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.	12.42
		<i>For >5 To 10, Deduct</i>	-1.53
		<i>For >10, Deduct</i>	-3.05
27 14 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable..... Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.	14.15
		<i>For >5 To 10, Deduct</i>	-1.72
		<i>For >10, Deduct</i>	-3.43

27 14 13 13-0004		Communications Termination Blocks <small>(27 14 13 13)</small>	
27 14 13 13-0005	EA	100-Pair, 110 Block With Legs.....	29.89 6.38
27 14 13 13-0006	EA	300-Pair, 110 Block With Legs.....	53.05 6.38
27 14 13 13-0007	EA	Clear Label Holder For 110 Wiring Block.....	7.47 2.55
27 14 13 13-0008	EA	4-Pair, 110C Connecting Block.....	3.27 1.27
27 14 13 13-0009	EA	5-Pair, 110C Connecting Block.....	3.38 1.27
27 14 13 13-0010	EA	100-Pair, 110 Jack Panel System..... Note: Includes twelve 8-pin modular jacks and mounting legs.	169.15 7.66
27 14 13 13-0011	EA	300-Pair, 110 Jack Panel System..... Note: Includes twelve 8-pin modular jacks and mounting legs.	450.41 7.66

27 14 13 13-0012		Testing And Certification Of Copper Communications Cable <small>(27 14 13 13)</small>	
		Note: Use for existing systems.	
27 14 13 13-0013	PR	Test 1-Pair Of A Copper Communications Cable For Continuity.....	2.55
		<i>For >25-Pair, Deduct</i>	-1.02



Communications	27	27
Structured Cabling	27 10	
Communications Cabling	27 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 13-0014	PR		Certify 1-Pair Of A Copper Communications Cable.....	3.82	
			<i>For >25-Pair, Deduct</i>	-1.52	
27 14 13 13-0015	PR		Certify And Document 1-Pair Of A Copper Communications Cable.....	6.12	
			<i>For >25-Pair, Deduct</i>	-2.44	
27 14 13 13-0016	PR		Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity.....	10.21	
			<i>For >25-Pair, Deduct</i>	-4.07	
27 14 13 13-0017	PR		Certify 4-Pair Cat 5-7 Telecommunications Cable.....	15.32	
			<i>For >25-Pair, Deduct</i>	-6.10	
27 14 13 13-0018	PR		Certify And Document 4-Pair Cat 5-7 Telecommunications Cable.....	24.50	
			<i>For >25-Pair, Deduct</i>	-9.76	
27 14 13 13-0019			Building Entrance Terminals (27 14 13 13)		
27 14 13 13-0020	EA		25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,136.36	111.99
27 14 13 13-0021	EA		50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,508.50	186.65
27 14 13 13-0022	EA		100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,127.72	298.87
27 14 13 16			Communications Copper Cabling (27 14 13)		
27 14 13 16-0001			Copper Telecommunications Cable (27 14 13 16)		
27 14 13 16-0002			Indoor Telecommunications Cable (27 14 13 16-0001)		
			Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Telecommunications cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.		
27 14 13 16-0003			Category 3, Indoor Telecommunications Cable (27 14 13 16-0002)		
			Note: Un-shielded twisted pair cables (UTP).		
27 14 13 16-0004			Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0003)		
27 14 13 16-0005			24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0004)		
27 14 13 16-0006			24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 14 13 16-0005)		
27 14 13 16-0007	MLF		2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	443.77	214.36
27 14 13 16-0008	MLF		3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	480.59	214.36
27 14 13 16-0009	MLF		4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	493.47	214.36
27 14 13 16-0010	MLF		6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	618.12	244.98
27 14 13 16-0011	MLF		12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	888.67	244.98
27 14 13 16-0012	MLF		25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,319.35	244.98
27 14 13 16-0013	MLF		50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,234.93	306.23
27 14 13 16-0014	MLF		100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	4,138.71	489.97
27 14 13 16-0015	MLF		150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	5,779.44	551.21
27 14 13 16-0016	MLF		200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	7,867.41	612.46
27 14 13 16-0017	MLF		300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	11,566.53	857.45
27 14 13 16-0018	MLF		400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	15,260.46	1,059.55
27 14 13 16-0019	MLF		600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	24,037.02	1,469.90
27 14 13 16-0020	MLF		900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	38,220.05	2,939.80
27 14 13 16-0021	MLF		1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	51,344.75	4,409.71
27 14 13 16-0022			24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 14 13 16-0005)		
27 14 13 16-0023	MLF		2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	801.04	428.72
27 14 13 16-0024	MLF		3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	837.86	428.72
27 14 13 16-0025	MLF		4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	850.74	428.72
27 14 13 16-0026	MLF		6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	924.36	428.72
27 14 13 16-0027	MLF		12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,194.91	428.72
27 14 13 16-0028	MLF		25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,727.66	489.97
27 14 13 16-0029	MLF		50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,745.32	612.46
27 14 13 16-0030	MLF		100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,547.02	734.95
27 14 13 16-0031	MLF		150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	6,238.79	826.82
27 14 13 16-0032	MLF		200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	8,377.78	918.69
27 14 13 16-0033	MLF		300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	12,281.07	1,286.16
27 14 13 16-0034	MLF		400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	16,148.52	1,592.40
27 14 13 16-0035	MLF		600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	25,261.94	2,204.85
27 14 13 16-0036	MLF		900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	40,669.88	4,409.71
27 14 13 16-0037	MLF		1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	55,019.51	6,614.56
27 14 13 16-0038			22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0004)		
27 14 13 16-0039			22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 14 13 16-0038)		
27 14 13 16-0040	MLF		25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,347.63	244.98
27 14 13 16-0041	MLF		50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,588.98	306.23
27 14 13 16-0042	MLF		100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	6,663.13	489.97
27 14 13 16-0043	MLF		200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	12,239.70	612.46
27 14 13 16-0044	MLF		300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	18,170.23	857.45
27 14 13 16-0045	MLF		400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	23,757.24	1,059.55
27 14 13 16-0046	MLF		600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	35,190.99	1,469.90



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0047	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0038)</small>		
27 14 13 16-0048	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,755.94	489.97
27 14 13 16-0049	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,099.37	612.46
27 14 13 16-0050	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	7,071.44	734.95
27 14 13 16-0051	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	12,750.07	918.69
27 14 13 16-0052	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	18,884.77	1,286.16
27 14 13 16-0053	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	24,645.30	1,592.40
27 14 13 16-0054	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	36,415.91	2,204.85
27 14 13 16-0055	Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0003)</small>		
27 14 13 16-0056	24 AWG, Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0055)</small>		
27 14 13 16-0057	24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0056)</small>		
27 14 13 16-0058	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	467.71	214.36
27 14 13 16-0059	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	504.50	214.36
27 14 13 16-0060	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	530.28	214.36
27 14 13 16-0061	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	656.77	244.98
27 14 13 16-0062	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	938.36	244.98
27 14 13 16-0063	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,705.84	244.98
27 14 13 16-0064	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,009.78	306.23
27 14 13 16-0065	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	5,817.24	489.97
27 14 13 16-0066	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	10,425.72	612.46
27 14 13 16-0067	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,716.85	857.45
27 14 13 16-0068	24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0056)</small>		
27 14 13 16-0069	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	824.98	428.72
27 14 13 16-0070	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	861.77	428.72
27 14 13 16-0071	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	887.55	428.72
27 14 13 16-0072	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	963.01	428.72
27 14 13 16-0073	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,244.60	428.72
27 14 13 16-0074	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,114.15	489.97
27 14 13 16-0075	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	3,520.17	612.46
27 14 13 16-0076	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	6,225.55	734.95
27 14 13 16-0077	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	10,936.09	918.69
27 14 13 16-0078	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	16,431.39	1,286.16
27 14 13 16-0079	Category 5E, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
27 14 13 16-0080	Category 5E, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0079)</small>		
27 14 13 16-0081	Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0080)</small>		
27 14 13 16-0082	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	559.72	214.36
27 14 13 16-0083	MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	607.28	214.36
27 14 13 16-0084	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	659.24	244.98
27 14 13 16-0085	MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	707.07	244.98
27 14 13 16-0086	Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0080)</small>		
27 14 13 16-0087	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	916.99	428.72
27 14 13 16-0088	MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	964.55	428.72
27 14 13 16-0089	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,067.55	489.97
27 14 13 16-0090	MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,115.38	489.97
27 14 13 16-0091	Category 5E, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0079)</small>		
27 14 13 16-0092	Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0091)</small>		
27 14 13 16-0093	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	718.01	214.36
27 14 13 16-0094	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,123.49	244.98
27 14 13 16-0095	Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0091)</small>		
27 14 13 16-0096	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,075.28	428.72
27 14 13 16-0097	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,531.80	489.97
27 14 13 16-0098	Category 6, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
27 14 13 16-0099	Category 6, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0098)</small>		
27 14 13 16-0100	Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0099)</small>		
27 14 13 16-0101	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	677.51	214.36
27 14 13 16-0102	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	713.32	214.36



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0103 Category 6, Indoor Telecommunications Riser Cable, Installed Exposed ^(27 14 13 16-0099)		
27 14 13 16-0104 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,034.78	428.72
27 14 13 16-0105 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,070.59	428.72
27 14 13 16-0106 Category 6, Indoor Telecommunications Plenum Cable ^(27 14 13 16-0098)		
27 14 13 16-0107 Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit ^(27 14 13 16-0106)		
27 14 13 16-0108 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,008.80	214.36
27 14 13 16-0109 Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed ^(27 14 13 16-0106)		
27 14 13 16-0110 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,366.07	428.72
27 14 13 16-0111 Category 6a, Indoor Telecommunications Cable ^(27 14 13 16-0002)		
27 14 13 16-0112 Category 6a, Indoor Telecommunications Riser Cable ^(27 14 13 16-0111)		
27 14 13 16-0113 Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit ^(27 14 13 16-0112)		
27 14 13 16-0114 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit.....	734.72	214.36
27 14 13 16-0115 Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed ^(27 14 13 16-0112)		
27 14 13 16-0116 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed	1,091.99	428.72
27 14 13 16-0117 Category 6a, Indoor Telecommunications Plenum Cable ^(27 14 13 16-0111)		
27 14 13 16-0118 Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit ^(27 14 13 16-0117)		
27 14 13 16-0119 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,178.14	214.36
27 14 13 16-0120 Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed ^(27 14 13 16-0117)		
27 14 13 16-0121 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,535.41	428.72
27 14 13 16-0122 Category 7, Indoor Telecommunications Cable ^(27 14 13 16-0002)		
27 14 13 16-0123 Category 7, Indoor Telecommunications Cable, Installed In Conduit ^(27 14 13 16-0122)		
27 14 13 16-0124 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	1,863.41	244.98
27 14 13 16-0125 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,960.30	244.98
27 14 13 16-0126 Category 7, Indoor Telecommunications Cable, Installed Exposed ^(27 14 13 16-0122)		
27 14 13 16-0127 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,271.72	489.97
27 14 13 16-0128 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,368.61	489.97
27 14 13 16-0129 Outdoor Telecommunications Cable ^(27 14 13 16-0001) Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, etc. Telecommunications cable buried in trench excludes excavation.		
27 14 13 16-0130 PE-89 Outdoor Telecommunications Cable ^(27 14 13 16-0129) Note: Includes foam-skin polyolefin insulated conductors.		
27 14 13 16-0131 24 AWG, PE-89 Outdoor Telecommunications Cable ^(27 14 13 16-0130)		
27 14 13 16-0132 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit ^(27 14 13 16-0131)		
27 14 13 16-0133 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,057.26	428.72
27 14 13 16-0134 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,202.22	428.72
27 14 13 16-0135 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,514.48	428.72
27 14 13 16-0136 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,109.38	428.72
27 14 13 16-0137 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,700.66	428.72
27 14 13 16-0138 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,293.33	428.72
27 14 13 16-0139 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	5,812.11	551.21
27 14 13 16-0140 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,543.12	796.19
27 14 13 16-0141 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	11,319.19	1,041.18
27 14 13 16-0142 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	15,372.23	1,408.66
27 14 13 16-0143 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	24,313.38	2,817.31
27 14 13 16-0144 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	33,251.57	4,164.73
27 14 13 16-0145 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench ^(27 14 13 16-0131)		
27 14 13 16-0146 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	904.14	
27 14 13 16-0147 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,049.10	
27 14 13 16-0148 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,361.36	
27 14 13 16-0149 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,956.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 14 13 16-0150	MLF		75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,547.54	
27 14 13 16-0151	MLF		100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,140.21	
27 14 13 16-0152	MLF		200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	5,710.03	
27 14 13 16-0153	MLF		300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,236.90	
27 14 13 16-0154	MLF		400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	10,681.21	
27 14 13 16-0155	MLF		600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	14,249.39	
27 14 13 16-0156	MLF		900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	21,251.09	
27 14 13 16-0157	MLF		1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	28,760.19	
27 14 13 16-0158			22 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0130)		
27 14 13 16-0159			22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0158)		
27 14 13 16-0160	MLF		6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,149.41	428.72
27 14 13 16-0161	MLF		12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,374.39	428.72
27 14 13 16-0162	MLF		25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,866.91	428.72
27 14 13 16-0163	MLF		50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,736.65	428.72
27 14 13 16-0164	MLF		75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,680.92	428.72
27 14 13 16-0165	MLF		100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	4,625.96	428.72
27 14 13 16-0166	MLF		200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,382.95	551.21
27 14 13 16-0167	MLF		300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	12,209.66	796.19
27 14 13 16-0168	MLF		400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	16,262.01	1,041.18
27 14 13 16-0169	MLF		600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	24,003.94	1,408.66
27 14 13 16-0170	MLF		900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	35,214.51	2,817.31
27 14 13 16-0171	MLF		1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	49,560.67	4,164.73
27 14 13 16-0172			22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0158)		
27 14 13 16-0173	MLF		6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	996.29	
27 14 13 16-0174	MLF		12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,221.27	
27 14 13 16-0175	MLF		25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,713.79	
27 14 13 16-0176	MLF		50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,583.53	
27 14 13 16-0177	MLF		75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,527.80	
27 14 13 16-0178	MLF		100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,472.84	
27 14 13 16-0179	MLF		200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,280.87	
27 14 13 16-0180	MLF		300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	11,903.44	
27 14 13 16-0181	MLF		400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	15,624.03	
27 14 13 16-0182	MLF		600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	22,881.10	
27 14 13 16-0183	MLF		900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	32,152.22	
27 14 13 16-0184	MLF		1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	45,069.29	
27 14 13 16-0185			19 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0130)		
27 14 13 16-0186			19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0185)		
27 14 13 16-0187	MLF		25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,953.36	428.72
27 14 13 16-0188	MLF		50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	4,860.32	428.72
27 14 13 16-0189	MLF		75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	7,458.53	428.72
27 14 13 16-0190	MLF		100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,832.33	428.72
27 14 13 16-0191			19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0185)		
27 14 13 16-0192	MLF		25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,800.24	
27 14 13 16-0193	MLF		50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,707.20	
27 14 13 16-0194	MLF		75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	7,305.41	
27 14 13 16-0195	MLF		100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,679.21	
27 14 13 16-0196			PE-39 Outdoor Telecommunications Cable (27 14 13 16-0129)		
			Note: Includes solid polyolefin insulated conductors.		
27 14 13 16-0197			24 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0196)		
27 14 13 16-0198			24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0197)		
27 14 13 16-0199	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	1,070.22	428.72
27 14 13 16-0200	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	1,247.56	428.72
27 14 13 16-0201	MLF		25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	1,605.34	428.72
27 14 13 16-0202	MLF		50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,249.63	428.72
27 14 13 16-0203	MLF		100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,556.35	428.72
27 14 13 16-0204	MLF		200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	6,413.64	551.21
27 14 13 16-0205	MLF		300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	9,363.63	796.19
27 14 13 16-0206	MLF		400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	12,318.99	1,041.18
27 14 13 16-0207	MLF		600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	16,832.01	1,408.66
27 14 13 16-0208	MLF		900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	26,201.23	2,817.31
27 14 13 16-0209	MLF		1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	38,147.90	4,164.73
27 14 13 16-0210			24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0197)		
27 14 13 16-0211	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	917.10	
27 14 13 16-0212	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,094.44	
27 14 13 16-0213	MLF		25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,452.22	
27 14 13 16-0214	MLF		50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,096.51	



Communications	27	27
Structured Cabling	27 10	
Communications Cabling	27 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0215 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,403.23	
27 14 13 16-0216 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	6,311.56	
27 14 13 16-0217 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,057.41	
27 14 13 16-0218 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	11,681.01	
27 14 13 16-0219 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	15,709.17	
27 14 13 16-0220 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	23,138.94	
27 14 13 16-0221 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	33,656.52	
27 14 13 16-0222 22 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0196)		
27 14 13 16-0223 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0222)		
27 14 13 16-0224 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,172.74	428.72
27 14 13 16-0225 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,433.34	428.72
27 14 13 16-0226 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,987.90	428.72
27 14 13 16-0227 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,008.10	428.72
27 14 13 16-0228 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,137.12	428.72
27 14 13 16-0229 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,455.80	551.21
27 14 13 16-0230 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,854.24	796.19
27 14 13 16-0231 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,750.28	1,041.18
27 14 13 16-0232 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,790.11	1,408.66
27 14 13 16-0233 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	39,087.24	2,817.31
27 14 13 16-0234 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0222)		
27 14 13 16-0235 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,019.62	
27 14 13 16-0236 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,280.22	
27 14 13 16-0237 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,834.78	
27 14 13 16-0238 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,854.98	
27 14 13 16-0239 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,984.00	
27 14 13 16-0240 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,353.72	
27 14 13 16-0241 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	13,548.02	
27 14 13 16-0242 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	17,112.30	
27 14 13 16-0243 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	23,667.27	
27 14 13 16-0244 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	36,024.95	
27 14 13 16-0245 19 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0196)		
27 14 13 16-0246 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0245)		
27 14 13 16-0247 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,216.39	428.72
27 14 13 16-0248 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,285.49	428.72
27 14 13 16-0249 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,576.07	428.72
27 14 13 16-0250 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0245)		
27 14 13 16-0251 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,063.27	
27 14 13 16-0252 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,132.37	
27 14 13 16-0253 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,422.95	
27 14 13 16-0254 (Aerial) Outdoor Telecommunications Cable (27 14 13 16-0129)		
Note: Includes support wire.		
27 14 13 16-0255 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 14 13 16-0254)		
27 14 13 16-0256 MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	3,278.28	911.26
27 14 13 16-0257 MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	3,425.84	911.26
27 14 13 16-0258 MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	3,792.19	911.26
27 14 13 16-0259 MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,470.49	911.26
27 14 13 16-0260 MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,780.62	911.26
27 14 13 16-0261 MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,601.53	1,002.39
27 14 13 16-0262 MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,438.65	1,093.52
27 14 13 16-0263 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 14 13 16-0254)		
27 14 13 16-0264 MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	3,454.82	911.26
27 14 13 16-0265 MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	3,672.82	911.26
27 14 13 16-0266 MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,197.92	911.26
27 14 13 16-0267 MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,235.28	911.26
27 14 13 16-0268 MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,581.66	911.26
27 14 13 16-0269 MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,788.99	1,002.39
27 14 13 16-0270 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 14 13 16-0254)		
27 14 13 16-0271 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	3,688.21	911.26
27 14 13 16-0272 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,181.23	911.26
27 14 13 16-0273 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,150.57	911.26
27 14 13 16-0274 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,089.28	911.26
27 14 13 16-0275 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,048.16	911.26

27 Communications
27 10 Structured Cabling
27 14 Communications Cabling



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 13 16-0276	Solid Conductor Low Voltage Cable (27 14 13 16)		
27 14 13 16-0277	Shielded, Low Voltage Cable, Pulled In Conduit (27 14 13 16-0276)		
27 14 13 16-0278	#12 AWG, Shielded, Low Voltage Cable, Placed In Conduit (27 14 13 16-0277)		
27 14 13 16-0279	MLF 1 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,288.40	461.95
	For #10 AWG, Add	325.07	
	For Installation On Exposed Surface, Deduct	-154.00	
27 14 13 16-0280	MLF 2 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,754.04	478.29
	For #10 AWG, Add	475.17	
	For Installation On Exposed Surface, Deduct	-159.48	
27 14 13 16-0281	MLF 3 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,157.72	495.09
	For #10 AWG, Add	604.81	
	For Installation On Exposed Surface, Deduct	-164.98	
27 14 13 16-0282	MLF 4 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,586.04	511.88
	For #10 AWG, Add	742.45	
	For Installation On Exposed Surface, Deduct	-170.68	
27 14 13 16-0283	MLF 5 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,019.75	546.41
	For #10 AWG, Add	878.09	
	For Installation On Exposed Surface, Deduct	-182.19	
27 14 13 16-0284	MLF 6 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,410.07	580.47
	For #10 AWG, Add	999.52	
	For Installation On Exposed Surface, Deduct	-193.54	
27 14 13 16-0285	MLF 8 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,654.29	649.53
	For #10 AWG, Add	1,065.21	
	For Installation On Exposed Surface, Deduct	-216.47	
27 14 13 16-0286	MLF 12 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,856.06	856.24
	For #10 AWG, Add	1,417.02	
	For Installation On Exposed Surface, Deduct	-285.36	
27 14 13 16-0287	MLF 24 Pair #12 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	7,250.89	1,264.54
	For #10 AWG, Add	2,118.88	
	For Installation On Exposed Surface, Deduct	-421.40	
27 14 13 16-0288	#14 AWG, Shielded, Low Voltage Cable, Placed In Conduit (27 14 13 16-0277)		
27 14 13 16-0289	MLF 1 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,168.66	404.10
	For Installation On Exposed Surface, Deduct	-134.67	
27 14 13 16-0290	MLF 2 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,611.64	418.56
	For Installation On Exposed Surface, Deduct	-139.52	
27 14 13 16-0291	MLF 3 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,995.33	433.02
	For Installation On Exposed Surface, Deduct	-144.37	
27 14 13 16-0292	MLF 4 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,402.08	447.95
	For Installation On Exposed Surface, Deduct	-149.32	
27 14 13 16-0293	MLF 5 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,811.88	478.29
	For Installation On Exposed Surface, Deduct	-159.40	
27 14 13 16-0294	MLF 6 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,180.03	508.15
	For Installation On Exposed Surface, Deduct	-169.29	
27 14 13 16-0295	MLF 8 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,404.63	568.34
	For Installation On Exposed Surface, Deduct	-189.45	
27 14 13 16-0296	MLF 12 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,524.74	748.92
	For Installation On Exposed Surface, Deduct	-249.64	
27 14 13 16-0297	MLF 24 Pair #14 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	6,758.88	1,106.36
	For Installation On Exposed Surface, Deduct	-368.81	
27 14 13 16-0298	#16 AWG, Shielded, Low Voltage Cable, Placed In Conduit (27 14 13 16-0277)		
27 14 13 16-0299	MLF 1 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,037.65	360.69
	For Installation On Exposed Surface, Deduct	-120.29	
27 14 13 16-0300	MLF 2 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,322.87	373.76
	For Installation On Exposed Surface, Deduct	-124.59	
27 14 13 16-0301	MLF 3 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,765.82	386.82
	For Installation On Exposed Surface, Deduct	-128.88	
27 14 13 16-0302	MLF 4 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,124.63	399.89
	For Installation On Exposed Surface, Deduct	-133.36	
27 14 13 16-0303	MLF 5 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,485.90	426.95
	For Installation On Exposed Surface, Deduct	-142.32	
27 14 13 16-0304	MLF 6 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,810.88	453.55
	For Installation On Exposed Surface, Deduct	-151.18	
27 14 13 16-0305	MLF 7 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,910.20	480.62
	For Installation On Exposed Surface, Deduct	-160.14	
27 14 13 16-0306	MLF 8 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,009.97	507.68
	For Installation On Exposed Surface, Deduct	-169.20	
27 14 13 16-0307	MLF 9 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,424.30	539.87
	For Installation On Exposed Surface, Deduct	-179.93	
27 14 13 16-0308	MLF 12 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,999.83	668.66
	For Installation On Exposed Surface, Deduct	-222.90	
27 14 13 16-0309	MLF 24 Pair #16 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	5,974.44	987.83
	For Installation On Exposed Surface, Deduct	-329.29	
27 14 13 16-0310	#18 AWG, Shielded, Low Voltage Cable, Placed In Conduit (27 14 13 16-0277)		
27 14 13 16-0311	MLF 1 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	837.14	317.77
	For Installation On Exposed Surface, Deduct	-105.83	
27 14 13 16-0312	MLF 2 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,116.62	328.96
	For Installation On Exposed Surface, Deduct	-109.66	
27 14 13 16-0313	MLF 3 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,359.23	340.17
	For Installation On Exposed Surface, Deduct	-113.48	



		Communications	27
		Structured Cabling	27 10
		Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0314 MLF 4 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,615.90 -117.31	351.83
27 14 13 16-0315 MLF 5 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,879.03 -125.24	375.63
27 14 13 16-0316 MLF 6 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,116.39 -133.08	398.95
27 14 13 16-0317 MLF 8 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,272.24 -148.85	446.55
27 14 13 16-0318 MLF 12 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,018.13 -196.17	588.41
27 14 13 16-0319 MLF 24 Pair #18 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,504.81 -289.77	869.31
27 14 13 16-0320 #20 AWG, Shielded, Low Voltage Cable, Placed In Conduit <small>(27 14 13 16-0277)</small>		
27 14 13 16-0321 MLF 1 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	717.77 -96.22	288.84
27 14 13 16-0322 MLF 2 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	936.41 -99.67	299.10
27 14 13 16-0323 MLF 3 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,124.11 -103.12	309.60
27 14 13 16-0324 MLF 4 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,322.21 -106.67	320.10
27 14 13 16-0325 MLF 5 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,531.81 -113.81	341.57
27 14 13 16-0326 MLF 6 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,719.79 -120.95	363.02
27 14 13 16-0327 MLF 8 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,867.90 -135.32	405.95
27 14 13 16-0328 MLF 12 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,457.34 -178.34	535.21
27 14 13 16-0329 MLF 24 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,665.71 -263.45	790.45
27 14 13 16-0330 MLF 25 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,962.00 -269.71	809.12
27 14 13 16-0331 MLF 36 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,772.60 -314.03	942.10
27 14 13 16-0332 MLF 40 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,126.12 -336.15	1,008.36
27 14 13 16-0333 MLF 50 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,002.04 -420.05	1,260.34
27 14 13 16-0334 MLF 100 Pair #20 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	8,286.58 -553.03	1,659.29
27 14 13 16-0335 #22 AWG, Shielded, Low Voltage Cable, Placed In Conduit <small>(27 14 13 16-0277)</small>		
27 14 13 16-0336 MLF 1 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	556.84 -86.60	259.90
27 14 13 16-0337 MLF 2 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	617.85 -89.68	269.24
27 14 13 16-0338 MLF 3 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	696.72 -92.86	278.57
27 14 13 16-0339 MLF 4 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	784.25 -96.03	287.90
27 14 13 16-0340 MLF 5 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	902.47 -102.47	307.50
27 14 13 16-0341 MLF 6 Pair #22 AWG, Solid, Shielded, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,024.41 -108.63	325.70
27 14 13 16-0342 Triad <small>(27 14 13 16-0277)</small>		
27 14 13 16-0343 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Placed In Conduit.....	1,556.98	386.82
27 14 13 16-0344 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	1,989.11	535.21
27 14 13 16-0345 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	3,165.52	790.45
27 14 13 16-0346 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	3,996.01	942.10
27 14 13 16-0347 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	6,648.81	1,459.58
27 14 13 16-0348 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	7,674.59	1,659.29
27 14 13 16-0349 Shielded, Low Voltage Cable Buried In Trench <small>(27 14 13 16-0276)</small>		
Note: Excludes excavation.		
27 14 13 16-0350 MLF 1 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,160.16	
27 14 13 16-0351 MLF 2 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,602.20	
27 14 13 16-0352 MLF 3 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,985.57	
27 14 13 16-0353 MLF 4 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,392.58	
27 14 13 16-0354 MLF 5 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,801.27	
27 14 13 16-0355 MLF 6 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	3,169.08	
27 14 13 16-0356 Shielded, Low Voltage Cable Installed On Poles, Aerially <small>(27 14 13 16-0276)</small>		
27 14 13 16-0357 MLF 1 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	1,201.08	265.80
27 14 13 16-0358 MLF 2 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	1,670.20	284.77
27 14 13 16-0359 MLF 3 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,229.34	360.00
27 14 13 16-0360 MLF 4 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,761.10	416.39
27 14 13 16-0361 MLF 5 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	4,207.47	474.60
27 14 13 16-0362 MLF 6 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	5,023.44	606.33

27 Communications
27 10 Structured Cabling
27 14 Communications Cabling



City of Miami

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 13 16-0363	Non-Shielded Low Voltage Cable Pulled In Conduit (27 14 13 16-0276)		
27 14 13 16-0364	#14 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0363)		
27 14 13 16-0365	MLF 1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,172.82	404.10
	For Installation On Exposed Surface, Deduct	-134.67	
27 14 13 16-0366	MLF 2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,619.32	418.56
	For Installation On Exposed Surface, Deduct	-139.52	
27 14 13 16-0367	MLF 3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,006.02	433.02
	For Installation On Exposed Surface, Deduct	-144.37	
27 14 13 16-0368	MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,415.97	447.95
	For Installation On Exposed Surface, Deduct	-149.32	
27 14 13 16-0369	MLF 5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,827.85	477.81
	For Installation On Exposed Surface, Deduct	-159.21	
27 14 13 16-0370	MLF 6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,199.15	507.68
	For Installation On Exposed Surface, Deduct	-169.20	
27 14 13 16-0371	MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,425.25	568.34
	For Installation On Exposed Surface, Deduct	-189.45	
27 14 13 16-0372	MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	4,552.23	748.92
	For Installation On Exposed Surface, Deduct	-249.64	
27 14 13 16-0373	MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	6,800.13	1,106.36
	For Installation On Exposed Surface, Deduct	-368.81	
27 14 13 16-0374	#16 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0363)		
27 14 13 16-0375	MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,041.32	360.69
	For Installation On Exposed Surface, Deduct	-120.29	
27 14 13 16-0376	MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,434.61	373.76
	For Installation On Exposed Surface, Deduct	-124.59	
27 14 13 16-0377	MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,775.22	386.82
	For Installation On Exposed Surface, Deduct	-128.88	
27 14 13 16-0378	MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,136.86	399.89
	For Installation On Exposed Surface, Deduct	-133.36	
27 14 13 16-0379	MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,500.33	426.49
	For Installation On Exposed Surface, Deduct	-142.23	
27 14 13 16-0380	MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,828.13	453.55
	For Installation On Exposed Surface, Deduct	-151.18	
27 14 13 16-0381	MLF 7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,927.90	480.62
	For Installation On Exposed Surface, Deduct	-160.14	
27 14 13 16-0382	MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,169.19	507.68
	For Installation On Exposed Surface, Deduct	-169.20	
27 14 13 16-0383	MLF 9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,610.00	539.87
	For Installation On Exposed Surface, Deduct	-179.92	
27 14 13 16-0384	MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	4,024.06	668.66
	For Installation On Exposed Surface, Deduct	-222.90	
27 14 13 16-0385	MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	6,010.99	987.83
	For Installation On Exposed Surface, Deduct	-329.34	
27 14 13 16-0386	#18 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0363)		
27 14 13 16-0387	MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	896.25	317.30
	For Installation On Exposed Surface, Deduct	-105.83	
27 14 13 16-0388	MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,206.52	328.96
	For Installation On Exposed Surface, Deduct	-109.66	
27 14 13 16-0389	MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,377.55	340.63
	For Installation On Exposed Surface, Deduct	-113.48	
27 14 13 16-0390	MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,624.54	351.83
	For Installation On Exposed Surface, Deduct	-117.31	
27 14 13 16-0391	MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,866.73	375.63
	For Installation On Exposed Surface, Deduct	-125.24	
27 14 13 16-0392	MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,108.47	399.43
	For Installation On Exposed Surface, Deduct	-133.08	
27 14 13 16-0393	MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,718.99	446.55
	For Installation On Exposed Surface, Deduct	-148.85	
27 14 13 16-0394	MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,485.72	588.41
	For Installation On Exposed Surface, Deduct	-196.17	
27 14 13 16-0395	MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	5,246.40	869.31
	For Installation On Exposed Surface, Deduct	-289.77	
27 14 13 16-0396	#20 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0363)		
27 14 13 16-0397	MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	740.22	288.84
	For Installation On Exposed Surface, Deduct	-96.22	
27 14 13 16-0398	MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	940.09	299.10
	For Installation On Exposed Surface, Deduct	-99.67	
27 14 13 16-0399	MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,181.02	340.63
	For Installation On Exposed Surface, Deduct	-113.48	
27 14 13 16-0400	MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,328.83	320.10
	For Installation On Exposed Surface, Deduct	-106.67	
27 14 13 16-0401	MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,597.05	375.63
	For Installation On Exposed Surface, Deduct	-125.24	
27 14 13 16-0402	MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,789.81	399.43
	For Installation On Exposed Surface, Deduct	-133.08	
27 14 13 16-0403	MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,942.29	444.50
	For Installation On Exposed Surface, Deduct	-148.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0537 MLF 4/c #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	956.47	326.63
27 14 13 16-0538 MLF 4/c #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	873.54	326.63
27 14 13 16-0539 Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 14 13 16-0529)</small>		
27 14 13 16-0540 MLF 2/c #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	868.46	326.63
27 14 13 16-0541 MLF 2/c #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	795.18	326.63
27 14 13 16-0542 MLF 2/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	753.70	326.63
27 14 13 16-0543 MLF 4/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	822.91	326.63
27 14 13 16-0544 MLF 8/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	969.14	326.63
27 14 13 16-0545 MLF 2/c #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	953.00	326.63
27 14 13 16-0546 MLF 2/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	851.64	326.63
27 14 13 16-0547 MLF 4/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,023.94	326.63
27 14 13 16-0548 MLF 6/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,195.77	326.63
27 14 13 16-0549 MLF 2/c #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	774.50	326.63
27 14 13 16-0550 MLF 2/c #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	808.73	326.63
27 14 13 16-0551 Speaker/Communications And Control Cable, Installed In Conduit <small>(27 14 13 16-0528)</small>		
27 14 13 16-0552 Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit <small>(27 14 13 16-0551)</small>		
27 14 13 16-0553 MLF 2/c #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	515.50	163.31
27 14 13 16-0554 MLF 2/c #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	451.80	163.31
27 14 13 16-0555 MLF 2/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	402.66	163.31
27 14 13 16-0556 MLF 4/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	456.39	163.31
27 14 13 16-0557 MLF 4/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	629.10	163.31
27 14 13 16-0558 MLF 6/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	801.23	163.31
27 14 13 16-0559 MLF 4/c #20AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	629.83	163.31
27 14 13 16-0560 MLF 4/c #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	546.90	163.31
27 14 13 16-0561 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit <small>(27 14 13 16-0551)</small>		
27 14 13 16-0562 MLF 2/c #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	541.82	163.31
27 14 13 16-0563 MLF 2/c #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	468.54	163.31
27 14 13 16-0564 MLF 2/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	427.06	163.31
27 14 13 16-0565 MLF 4/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	496.27	163.31
27 14 13 16-0566 MLF 8/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	642.50	163.31
27 14 13 16-0567 MLF 2/c #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	626.36	163.31
27 14 13 16-0568 MLF 2/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	525.00	163.31
27 14 13 16-0569 MLF 4/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	697.30	163.31
27 14 13 16-0570 MLF 6/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	869.13	163.31
27 14 13 16-0571 MLF 2/c #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	482.09	163.31
27 14 13 16-0572 MLF 2/c #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	447.86	163.31
27 14 23 Communications Optical Fiber Cabling <small>(27 14)</small>		
27 14 23 13 Communications Optical Fiber Splicing And Terminations <small>(27 14 23)</small>		
27 14 23 13-0001 Fiber Optic Cable Splice Closures <small>(27 14 23 13)</small>		
Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 14 23 13-0002 EA Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	506.79	51.04

27 Communications
27 10 Structured Cabling
27 14 Communications Cabling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0003	EA		Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	608.86	102.08
27 14 23 13-0004	EA		Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	608.86	102.08
27 14 23 13-0005	EA		Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	872.99	51.04
27 14 23 13-0006	EA		Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	975.06	102.08
27 14 23 13-0007	EA		Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	975.06	102.08
27 14 23 13-0008	EA		Splice Tray For Fiber Optic Cable Splice Closure.....	33.16	6.38
Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.					
27 14 23 13-0009			Fiber Optic Cable Splicing (27 14 23 13)		
27 14 23 13-0010	EA		Single Strand, Fusion Splice Of Fiber Optic Cable	15.32	
27 14 23 13-0011	EA		12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	51.04	
27 14 23 13-0012			Fiber Optic Cable Testing (27 14 23 13) Note: Price based on testing one wavelength.		
27 14 23 13-0013			Fiber Optic Cable Testing Using An OTDR (27 14 23 13-0012) Note: Testing using an optical time domain reflectometer.		
27 14 23 13-0014	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	10.21	
For >12 To 48 Strands, Deduct				-0.77	
For >48 Strands, Deduct				-1.02	
27 14 23 13-0015	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	15.32	
For >12 To 48 Strands, Deduct				-1.15	
For >48 Strands, Deduct				-1.53	
27 14 23 13-0016	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	25.52	
For >12 To 48 Strands, Deduct				-1.91	
For >48 Strands, Deduct				-2.55	
27 14 23 13-0017	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	38.28	
For >12 To 48 Strands, Deduct				-2.87	
For >48 Strands, Deduct				-3.83	
27 14 23 13-0018			Fiber Optic Cable Testing Using A Power Meter (27 14 23 13-0012)		
27 14 23 13-0019	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	10.21	
For >12 To 48 Strands, Deduct				-0.77	
For >48 Strands, Deduct				-1.02	
27 14 23 13-0020	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	15.32	
For >12 To 48 Strands, Deduct				-1.15	
For >48 Strands, Deduct				-1.53	
27 14 23 13-0021			Fiber Optic Cable Light Source/Continuity Testing (27 14 23 13-0012)		
27 14 23 13-0022	EA		Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	10.21	
For >12 To 48 Strands, Deduct				-0.77	
For >48 Strands, Deduct				-1.02	
27 14 23 13-0023			Other Fiber Optic Cable Splicing (27 14 23 13)		
27 14 23 13-0024	EA		Fiber Optic Finger Splice	19.07	9.59
27 14 23 13-0025	EA		Fiber Optic Splice Box - Manholes.....	3,502.55	
27 14 23 13-0026			Fiber Optic Cable Fan Out Kits (27 14 23 13)		
27 14 23 13-0027			Buffer Tube Fan Out Kits For Fiber Optic Cable (27 14 23 13-0026)		
27 14 23 13-0028	EA		6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	128.93	
27 14 23 13-0029	EA		12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	132.62	
27 14 23 13-0030	EA		6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	174.23	
27 14 23 13-0031	EA		12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	210.36	
27 14 23 13-0032			Spider Fan Out Kits For Fiber Optic Cable (27 14 23 13-0026) Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 14 23 13-0033	EA		6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	175.40	
27 14 23 13-0034	EA		12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	202.54	
27 14 23 13-0035	EA		18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	271.26	
27 14 23 13-0036	EA		24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	349.43	
27 14 23 16			Communications Optical Fiber Cabling (27 14 23)		
27 14 23 16-0001			Indoor Fiber Optic Cable (27 14 23 16) Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 14 23 16-0002			Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0001) Note: Excludes conduit or innerduct.		
27 14 23 16-0003			Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0002)		
27 14 23 16-0004			Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0003)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 14 23 16-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)

27 14 23 16-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	591.47	183.74	
27 14 23 16-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	677.43	183.74	
27 14 23 16-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	706.14	183.74	
27 14 23 16-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	808.35	183.74	
		<i>For Aluminum Armored Cable, Add</i>	1,255.25		
		<i>For Steel Armored Cable, Add</i>	1,333.35		
27 14 23 16-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	837.66	183.74	
27 14 23 16-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,014.81	183.74	
		<i>For Aluminum Armored Cable, Add</i>	1,298.09		
		<i>For Steel Armored Cable, Add</i>	1,384.93		
27 14 23 16-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,923.30	214.36	
27 14 23 16-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,869.60	214.36	
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,624.04		
		<i>For Steel Armored Cable, Add</i>	1,590.53		
27 14 23 16-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,588.80	214.36	
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,712.04		
		<i>For Steel Armored Cable, Add</i>	1,523.37		
27 14 23 16-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,728.29	214.36	
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,796.27		
		<i>For Steel Armored Cable, Add</i>	1,596.47		
27 14 23 16-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,607.91	214.36	
27 14 23 16-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,841.83	214.36	
27 14 23 16-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,072.26	214.36	
27 14 23 16-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,238.43	244.98	
27 14 23 16-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,916.32	244.98	

27 14 23 16-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)

27 14 23 16-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	616.22	183.74	
27 14 23 16-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	719.44	183.74	
27 14 23 16-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	858.70	183.74	
27 14 23 16-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,084.72	183.74	
		<i>For Aluminum Armored Cable, Add</i>	1,235.25		
		<i>For Steel Armored Cable, Add</i>	1,309.79		
27 14 23 16-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,196.57	183.74	
27 14 23 16-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,626.76	183.74	
		<i>For Aluminum Armored Cable, Add</i>	1,267.43		
		<i>For Steel Armored Cable, Add</i>	1,350.33		
27 14 23 16-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,377.46	214.36	
27 14 23 16-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,874.21	214.36	
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,776.42		
		<i>For Steel Armored Cable, Add</i>	1,744.46		
27 14 23 16-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,035.71	214.36	
27 14 23 16-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,068.63	214.36	
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,911.06		
27 14 23 16-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,068.81	214.36	
27 14 23 16-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,131.84	214.36	
27 14 23 16-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,511.89	214.36	
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,411.44		
27 14 23 16-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,509.26	244.98	
27 14 23 16-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,207.34	244.98	

27 14 23 16-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)

27 14 23 16-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	631.72	183.74	
27 14 23 16-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	740.10	183.74	
27 14 23 16-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	886.33	183.74	
27 14 23 16-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,123.65	183.74	
27 14 23 16-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,241.09	183.74	
27 14 23 16-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,692.79	183.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0044	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,528.47	214.36
27 14 23 16-0045	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,050.05	214.36
27 14 23 16-0046	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,269.63	214.36
27 14 23 16-0047	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,354.20	214.36
27 14 23 16-0048	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,404.39	214.36
27 14 23 16-0049	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,520.57	214.36
27 14 23 16-0050	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,019.62	214.36
27 14 23 16-0051	MLF		120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,264.31	244.98
27 14 23 16-0052	MLF		144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,197.30	244.98
27 14 23 16-0053			Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0003)		
27 14 23 16-0054			Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0053)		
27 14 23 16-0055	MLF		2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,388.21	183.74
27 14 23 16-0056	MLF		4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,708.81	183.74
27 14 23 16-0057	MLF		6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,414.11	183.74
27 14 23 16-0058	MLF		8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,750.71	183.74
27 14 23 16-0059	MLF		12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,043.83	183.74
27 14 23 16-0060	MLF		18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,286.34	214.36
27 14 23 16-0061	MLF		24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,763.73	214.36
27 14 23 16-0062	MLF		36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,694.43	214.36
27 14 23 16-0063	MLF		48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,978.65	214.36
27 14 23 16-0064			50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0053)		
27 14 23 16-0065	MLF		2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,699.05	183.74
27 14 23 16-0066	MLF		4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,853.63	183.74
27 14 23 16-0067	MLF		6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,486.32	183.74
27 14 23 16-0068	MLF		8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,102.71	183.74
27 14 23 16-0069	MLF		12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,855.05	183.74
27 14 23 16-0070	MLF		18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,055.35	214.36
27 14 23 16-0071	MLF		24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,599.43	214.36
27 14 23 16-0072	MLF		36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,089.00	214.36
27 14 23 16-0073	MLF		48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,221.05	214.36
27 14 23 16-0074			62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0053)		
27 14 23 16-0075	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,768.69	183.74
27 14 23 16-0076	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,931.00	183.74
27 14 23 16-0077	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,595.32	183.74
27 14 23 16-0078	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,242.53	183.74
27 14 23 16-0079	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,032.49	183.74
27 14 23 16-0080	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,290.25	214.36
27 14 23 16-0081	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,911.54	214.36
27 14 23 16-0082	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,575.59	214.36
27 14 23 16-0083	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,864.24	214.36
27 14 23 16-0084			Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0002)		
27 14 23 16-0085			Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0084)		
27 14 23 16-0086			Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0085)		
27 14 23 16-0087	MLF		1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	529.95	183.74
27 14 23 16-0088	MLF		2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	533.33	183.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	710.56	183.74
27 14 23 16-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	731.29	183.74
For Aluminum Armored Cable, Add	960.38	
For Steel Armored Cable, Add	1,607.00	
27 14 23 16-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	835.69	183.74
27 14 23 16-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	855.22	183.74
For Aluminum Armored Cable, Add	1,029.40	
For Steel Armored Cable, Add	1,675.97	
27 14 23 16-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,147.01	214.36
27 14 23 16-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,818.17	214.36
For Aluminum Armored Cable With Sub-Units, Add	669.57	
For Steel Armored Cable, Add	765.05	
27 14 23 16-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,594.63	214.36
27 14 23 16-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,719.77	214.36
For Aluminum Armored Cable With Sub-Units, Add	128.40	
For Steel Armored Cable, Add	278.84	
27 14 23 16-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,738.14	214.36
27 14 23 16-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,825.43	214.36
27 14 23 16-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,085.03	214.36
27 14 23 16-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0085)		
27 14 23 16-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	614.56	183.74
27 14 23 16-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	604.20	183.74
27 14 23 16-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	862.31	183.74
27 14 23 16-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	962.12	183.74
For Aluminum Armored Cable, Add	1,081.83	
For Steel Armored Cable, Add	1,728.43	
27 14 23 16-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,194.95	183.74
27 14 23 16-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,497.62	183.74
For Aluminum Armored Cable, Add	1,091.55	
For Steel Armored Cable, Add	1,738.10	
27 14 23 16-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,048.62	214.36
27 14 23 16-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,384.19	214.36
For Aluminum Armored Cable With Sub-Units, Add	306.25	
For Steel Armored Cable, Add	608.08	
27 14 23 16-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,688.77	214.36
27 14 23 16-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,516.25	214.36
For Aluminum Armored Cable With Sub-Units, Add	150.05	
27 14 23 16-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,581.01	214.36
27 14 23 16-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,235.54	214.36
27 14 23 16-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,619.42	214.36
For Aluminum Armored Cable With Sub-Units, Add	1,266.03	
27 14 23 16-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0085)		
27 14 23 16-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	629.97	183.74
27 14 23 16-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	619.10	183.74
27 14 23 16-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	890.12	183.74
27 14 23 16-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	994.91	183.74
27 14 23 16-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,239.39	183.74
27 14 23 16-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,557.19	183.74
27 14 23 16-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,233.18	214.36
27 14 23 16-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,585.54	214.36
27 14 23 16-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,005.34	214.36
27 14 23 16-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,874.19	214.36
27 14 23 16-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,992.20	214.36
27 14 23 16-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,729.45	214.36
27 14 23 16-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,282.53	214.36



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 23 16-0128	Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0084)		
27 14 23 16-0129	Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0130	MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,368.68	183.74
27 14 23 16-0131	MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,758.74	183.74
27 14 23 16-0132	MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,696.46	183.74
27 14 23 16-0133	MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,615.46	183.74
27 14 23 16-0134	MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,082.17	183.74
27 14 23 16-0135	MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,756.71	214.36
27 14 23 16-0136	MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,795.63	214.36
27 14 23 16-0137	MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,558.57	214.36
27 14 23 16-0138	MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,507.17	214.36
27 14 23 16-0139	50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0140	MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,992.28	183.74
27 14 23 16-0141	MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,823.06	183.74
27 14 23 16-0142	MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,312.99	183.74
27 14 23 16-0143	MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,997.58	183.74
27 14 23 16-0144	MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,304.35	183.74
27 14 23 16-0145	MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,068.81	214.36
27 14 23 16-0146	MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,549.16	214.36
27 14 23 16-0147	MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,627.77	214.36
27 14 23 16-0148	MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,136.12	214.36
27 14 23 16-0149	62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0150	MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,076.58	183.74
27 14 23 16-0151	MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,948.90	183.74
27 14 23 16-0152	MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,463.33	183.74
27 14 23 16-0153	MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,182.14	183.74
27 14 23 16-0154	MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,554.25	183.74
27 14 23 16-0155	MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,404.39	214.36
27 14 23 16-0156	MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,958.76	214.36
27 14 23 16-0157	MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,241.29	214.36
27 14 23 16-0158	MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,975.06	214.36
27 14 23 16-0159	Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0001)		
	Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0160	Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0159)		
27 14 23 16-0161	Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0160)		
27 14 23 16-0162	Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0161)		
27 14 23 16-0163	MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	693.54	244.98
27 14 23 16-0164	MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	779.50	244.98
27 14 23 16-0165	MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	808.21	244.98
27 14 23 16-0166	MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	910.42	244.98
	For Aluminum Armored Cable, Add	1,255.25	
	For Steel Armored Cable, Add	1,333.35	
27 14 23 16-0167	MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	939.73	244.98
27 14 23 16-0168	MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,116.88	244.98
	For Aluminum Armored Cable, Add	1,298.09	
	For Steel Armored Cable, Add	1,384.93	
27 14 23 16-0169	MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,025.38	275.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0170 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	2,971.68 1,624.04 1,590.53	275.61
27 14 23 16-0171 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	3,690.88 1,712.04 1,523.37	275.61
27 14 23 16-0172 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	3,830.37 1,796.27 1,596.47	275.61
27 14 23 16-0173 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,709.99	275.61
27 14 23 16-0174 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,943.91	275.61
27 14 23 16-0175 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,174.34	275.61
27 14 23 16-0176 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,340.51	306.23
27 14 23 16-0177 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,018.40	306.23
27 14 23 16-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0179 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	718.29	244.98
27 14 23 16-0180 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	821.51	244.98
27 14 23 16-0181 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	960.77	244.98
27 14 23 16-0182 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,186.79 1,235.25 1,309.79	244.98
27 14 23 16-0183 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,298.64	244.98
27 14 23 16-0184 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,728.83 1,267.43 1,350.33	244.98
27 14 23 16-0185 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,479.54	275.61
27 14 23 16-0186 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	3,976.29 1,776.42 1,744.46	275.61
27 14 23 16-0187 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,137.79	275.61
27 14 23 16-0188 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i>	6,170.71 1,911.06	275.61
27 14 23 16-0189 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,170.89	275.61
27 14 23 16-0190 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,233.92	275.61
27 14 23 16-0191 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i>	10,613.97 1,411.44	275.61
27 14 23 16-0192 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,611.34	306.23
27 14 23 16-0193 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,309.42	306.23
27 14 23 16-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0195 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	733.79	244.98
27 14 23 16-0196 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	842.17	244.98
27 14 23 16-0197 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	988.40	244.98
27 14 23 16-0198 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,225.72	244.98
27 14 23 16-0199 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,343.16	244.98
27 14 23 16-0200 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,794.86	244.98
27 14 23 16-0201 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,630.55	275.61
27 14 23 16-0202 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,152.13	275.61
27 14 23 16-0203 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,371.71	275.61
27 14 23 16-0204 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,456.28	275.61
27 14 23 16-0205 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,506.47	275.61
27 14 23 16-0206 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,622.65	275.61
27 14 23 16-0207 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,121.70	275.61
27 14 23 16-0208 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,366.39	306.23
27 14 23 16-0209 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,299.38	306.23
27 14 23 16-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0160)</small>		
27 14 23 16-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0212 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,490.28	244.98
27 14 23 16-0213 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,810.88	244.98



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 14 23 16-0214	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,516.18	244.98	
27 14 23 16-0215	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,852.78	244.98	
27 14 23 16-0216	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,145.90	244.98	
27 14 23 16-0217	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,388.42	275.61	
27 14 23 16-0218	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,865.81	275.61	
27 14 23 16-0219	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,796.51	275.61	
27 14 23 16-0220	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,080.73	275.61	

27 14 23 16-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0210)

27 14 23 16-0222	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,801.12	244.98	
27 14 23 16-0223	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,955.70	244.98	
27 14 23 16-0224	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,588.39	244.98	
27 14 23 16-0225	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,204.78	244.98	
27 14 23 16-0226	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,957.12	244.98	
27 14 23 16-0227	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,157.43	275.61	
27 14 23 16-0228	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,701.51	275.61	
27 14 23 16-0229	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,191.08	275.61	
27 14 23 16-0230	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,323.13	275.61	

27 14 23 16-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0210)

27 14 23 16-0232	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,870.76	244.98	
27 14 23 16-0233	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,033.07	244.98	
27 14 23 16-0234	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,697.39	244.98	
27 14 23 16-0235	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,344.60	244.98	
27 14 23 16-0236	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,134.56	244.98	
27 14 23 16-0237	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,392.33	275.61	
27 14 23 16-0238	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,013.62	275.61	
27 14 23 16-0239	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,677.67	275.61	
27 14 23 16-0240	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,966.32	275.61	

27 14 23 16-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0159)

27 14 23 16-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0241)

27 14 23 16-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0242)

27 14 23 16-0244	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	632.02	244.98	
27 14 23 16-0245	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	635.40	244.98	
27 14 23 16-0246	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	812.63	244.98	
27 14 23 16-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	833.36	244.98	
		<i>For Aluminum Armored Cable, Add</i>	960.38		
		<i>For Steel Armored Cable, Add</i>	1,607.00		
27 14 23 16-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	937.76	244.98	
27 14 23 16-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	957.29	244.98	
		<i>For Aluminum Armored Cable, Add</i>	1,029.40		
		<i>For Steel Armored Cable, Add</i>	1,675.97		
27 14 23 16-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,249.09	275.61	
27 14 23 16-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,920.25	275.61	
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	669.57		
		<i>For Steel Armored Cable, Add</i>	765.05		
27 14 23 16-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,696.71	275.61	
27 14 23 16-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,821.85	275.61	
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	128.40		
		<i>For Steel Armored Cable, Add</i>	278.84		
27 14 23 16-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,840.22	275.61	
27 14 23 16-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,927.51	275.61	
27 14 23 16-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,187.11	275.61	

27 14 23 16-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0242)

27 14 23 16-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	716.63	244.98	
27 14 23 16-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	706.27	244.98	
27 14 23 16-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	964.38	244.98	
27 14 23 16-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,064.19	244.98	
		<i>For Aluminum Armored Cable, Add</i>	1,081.83		
		<i>For Steel Armored Cable, Add</i>	1,728.43		
27 14 23 16-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,297.02	244.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0263	MLF		12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,599.69	244.98
			<i>For Aluminum Armored Cable, Add</i>	1,091.55	
			<i>For Steel Armored Cable, Add</i>	1,738.10	
27 14 23 16-0264	MLF		18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,150.70	275.61
27 14 23 16-0265	MLF		24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,486.27	275.61
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	306.25	
			<i>For Steel Armored Cable, Add</i>	608.08	
27 14 23 16-0266	MLF		36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,790.85	275.61
27 14 23 16-0267	MLF		48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,618.33	275.61
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	150.05	
27 14 23 16-0268	MLF		60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,683.09	275.61
27 14 23 16-0269	MLF		72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,337.62	275.61
27 14 23 16-0270	MLF		96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,721.50	275.61
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,266.03	
27 14 23 16-0271			62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0272	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	732.04	244.98
27 14 23 16-0273	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	721.17	244.98
27 14 23 16-0274	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	992.19	244.98
27 14 23 16-0275	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,096.98	244.98
27 14 23 16-0276	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,341.46	244.98
27 14 23 16-0277	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,659.26	244.98
27 14 23 16-0278	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,335.26	275.61
27 14 23 16-0279	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,687.62	275.61
27 14 23 16-0280	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,107.42	275.61
27 14 23 16-0281	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,976.27	275.61
27 14 23 16-0282	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,094.28	275.61
27 14 23 16-0283	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,831.53	275.61
27 14 23 16-0284	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,384.61	275.61
27 14 23 16-0285			Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0286			Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0287	MLF		2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,470.75	244.98
27 14 23 16-0288	MLF		4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,860.81	244.98
27 14 23 16-0289	MLF		6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,798.53	244.98
27 14 23 16-0290	MLF		8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,717.53	244.98
27 14 23 16-0291	MLF		12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,184.24	244.98
27 14 23 16-0292	MLF		18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,858.79	275.61
27 14 23 16-0293	MLF		24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,897.71	275.61
27 14 23 16-0294	MLF		36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,660.65	275.61
27 14 23 16-0295	MLF		48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,609.25	275.61
27 14 23 16-0296			50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0297	MLF		2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,094.35	244.98
27 14 23 16-0298	MLF		4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,925.13	244.98
27 14 23 16-0299	MLF		6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,415.06	244.98
27 14 23 16-0300	MLF		8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,099.65	244.98
27 14 23 16-0301	MLF		12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,406.42	244.98
27 14 23 16-0302	MLF		18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,170.89	275.61
27 14 23 16-0303	MLF		24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,651.24	275.61
27 14 23 16-0304	MLF		36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,729.85	275.61
27 14 23 16-0305	MLF		48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,238.20	275.61



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 14 23 16-0306			62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0307	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,178.65	244.98
27 14 23 16-0308	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,050.97	244.98
27 14 23 16-0309	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,565.40	244.98
27 14 23 16-0310	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,284.21	244.98
27 14 23 16-0311	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,656.32	244.98
27 14 23 16-0312	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,506.47	275.61
27 14 23 16-0313	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,060.84	275.61
27 14 23 16-0314	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,343.37	275.61
27 14 23 16-0315	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,077.14	275.61
27 14 23 16-0316			Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0001)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0317			Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0316)</small>		
27 14 23 16-0318	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,004.86	183.74
27 14 23 16-0319	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,653.92	183.74
27 14 23 16-0320	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,972.92	214.36
27 14 23 16-0321	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	3,734.71	214.36
27 14 23 16-0322			Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0316)</small>		
27 14 23 16-0323	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,235.05	183.74
27 14 23 16-0324	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,986.50	183.74
27 14 23 16-0325	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	3,423.72	214.36
27 14 23 16-0326	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	10,489.78	214.36
27 14 23 16-0327			Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0001)</small> Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0328			Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0327)</small>		
27 14 23 16-0329	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,106.93	244.98
27 14 23 16-0330	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,755.99	244.98
27 14 23 16-0331	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	3,075.00	275.61
27 14 23 16-0332	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	3,836.79	275.61
27 14 23 16-0333			Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0327)</small>		
27 14 23 16-0334	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,337.12	244.98
27 14 23 16-0335	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,088.57	244.98
27 14 23 16-0336	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	3,525.80	275.61
27 14 23 16-0337	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	10,591.86	275.61
27 14 23 16-0338			Outdoor Fiber Optic Cable <small>(27 14 23 16)</small>		
27 14 23 16-0339			Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0338)</small> Note: Excludes conduit or innerduct.		
27 14 23 16-0340			Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0339)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0341			Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0342	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	848.85	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	126.96	
27 14 23 16-0343	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	862.27	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	127.15	
27 14 23 16-0344	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	875.89	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	127.14	
27 14 23 16-0345	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	889.31	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	127.33	
27 14 23 16-0346	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	916.34	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	127.52	
27 14 23 16-0347	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	980.48	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	123.04	
27 14 23 16-0348	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,020.75	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	123.60	
27 14 23 16-0349	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,116.56	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	130.88	
27 14 23 16-0350	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,217.43	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	132.18	
27 14 23 16-0351	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,316.79	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	133.49	
27 14 23 16-0352	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,447.86	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	160.52	
27 14 23 16-0353	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,706.62	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	172.26	
27 14 23 16-0354	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,966.69	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	203.96	
27 14 23 16-0355	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,236.09	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	219.98	
27 14 23 16-0356			50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0357	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	976.68	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	127.77	
27 14 23 16-0358	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,115.83	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	130.68	
27 14 23 16-0359	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,258.26	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	131.07	
27 14 23 16-0360	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,399.20	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	131.62	
27 14 23 16-0361	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,681.08	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	133.86	
27 14 23 16-0362	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,126.65	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	135.73	
27 14 23 16-0363	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,549.48	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	137.22	
27 14 23 16-0364	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,409.30	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	162.20	
27 14 23 16-0365	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,274.34	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	174.13	
27 14 23 16-0366	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,138.08	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	186.06	
27 14 23 16-0367	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	6,046.01	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	223.53	
27 14 23 16-0368	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	7,876.95	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	256.72	
27 14 23 16-0369	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	9,728.97	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	310.03	
27 14 23 16-0370	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	11,617.71	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	312.65	
27 14 23 16-0371			62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0372	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	908.38	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	106.94	
27 14 23 16-0373	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,011.19	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	114.68	
27 14 23 16-0374	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,113.85	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	122.23	
27 14 23 16-0375	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,240.66	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	139.15	
27 14 23 16-0376	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,422.27	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	145.10	
27 14 23 16-0377	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,743.37	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	154.65	
27 14 23 16-0378	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,047.52	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	177.84	
27 14 23 16-0379	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,629.64	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	197.63	
27 14 23 16-0380	MLF		48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,310.51	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	227.23	
27 14 23 16-0381	MLF		60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,939.38	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	244.51	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0382	MLF		72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,603.13	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	276.75	
27 14 23 16-0383	MLF		96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,945.57	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	311.17	
27 14 23 16-0384	MLF		120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	7,309.57	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	353.14	
27 14 23 16-0385	MLF		144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	8,694.62	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	324.38	
27 14 23 16-0386			Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		
			<i>(27 14 23 16-0386)</i>		
27 14 23 16-0387			Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		
			<i>(27 14 23 16-0386)</i>		
27 14 23 16-0388	MLF		2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	938.71	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	158.47	
27 14 23 16-0389	MLF		4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	952.32	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	158.47	
27 14 23 16-0390	MLF		6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	965.55	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	159.22	
27 14 23 16-0391	MLF		8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	979.17	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	159.21	
27 14 23 16-0392	MLF		12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,005.82	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	160.34	
27 14 23 16-0393	MLF		18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,064.74	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	161.83	
27 14 23 16-0394	MLF		24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,105.01	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	162.75	
27 14 23 16-0395	MLF		36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,205.49	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	162.02	
27 14 23 16-0396	MLF		48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,306.35	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	167.79	
27 14 23 16-0397	MLF		60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,405.72	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	170.03	
27 14 23 16-0398	MLF		72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,544.61	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	180.84	
27 14 23 16-0399	MLF		96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,811.03	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	206.00	
27 14 23 16-0400	MLF		120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,112.30	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	214.40	
27 14 23 16-0401	MLF		144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,358.20	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	236.96	
27 14 23 16-0402			50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		
			<i>(27 14 23 16-0386)</i>		
27 14 23 16-0403	MLF		2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,065.49	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	162.01	
27 14 23 16-0404	MLF		4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,205.12	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	166.48	
27 14 23 16-0405	MLF		6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,213.01	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	169.04	
27 14 23 16-0406	MLF		8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,485.14	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	174.50	
27 14 23 16-0407	MLF		12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,764.98	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	182.88	
27 14 23 16-0408	MLF		18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,203.27	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	195.94	
27 14 23 16-0409	MLF		24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,623.13	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	208.24	
27 14 23 16-0410	MLF		36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,482.94	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	253.18	
27 14 23 16-0411	MLF		48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,342.58	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	258.96	
27 14 23 16-0412	MLF		60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,205.01	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	280.03	
27 14 23 16-0413	MLF		72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	6,107.71	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	309.11	
27 14 23 16-0414	MLF		96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	7,935.12	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	305.01	
27 14 23 16-0415	MLF		120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	9,881.10	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	314.13	
27 14 23 16-0416	MLF		144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	11,680.72	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	356.46	
27 14 23 16-0417			62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit		
			<i>(27 14 23 16-0386)</i>		
27 14 23 16-0418	MLF		2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	977.81	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	134.23	
27 14 23 16-0419	MLF		4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,078.48	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	145.10	
27 14 23 16-0420	MLF		6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,178.98	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	155.96	
27 14 23 16-0421	MLF		8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,279.66	367.48
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	166.81	



Communications	27	27
Structured Cabling	27 10	
Communications Cabling	27 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,540.44 179.42	367.48
27 14 23 16-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,796.17 210.25	367.48
27 14 23 16-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,109.51 228.37	367.48
27 14 23 16-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,716.02 282.16	367.48
27 14 23 16-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,333.88 323.28	367.48
27 14 23 16-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,953.86 360.00	367.48
27 14 23 16-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,605.76 401.45	367.48
27 14 23 16-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,928.63 473.36	367.48
27 14 23 16-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,344.53 489.34	367.48
27 14 23 16-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,636.72 505.16	367.48
27 14 23 16-0432 Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0338)</small> Note: Excludes trenching.		
27 14 23 16-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0452)</small>		
27 14 23 16-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0435 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	797.81 126.96	
27 14 23 16-0436 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	811.23 127.15	
27 14 23 16-0437 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	824.85 127.14	
27 14 23 16-0438 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	838.27 127.33	
27 14 23 16-0439 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	865.30 127.52	
27 14 23 16-0440 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	929.44 123.04	
27 14 23 16-0441 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	969.71 123.60	
27 14 23 16-0442 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,065.52 130.88	
27 14 23 16-0443 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,166.39 132.18	
27 14 23 16-0444 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,265.75 133.49	
27 14 23 16-0445 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,396.82 160.52	
27 14 23 16-0446 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,655.58 172.26	
27 14 23 16-0447 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,915.65 203.96	
27 14 23 16-0448 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,185.05 219.98	
27 14 23 16-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0450 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	925.64 127.77	
27 14 23 16-0451 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,064.79 130.68	
27 14 23 16-0452 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,207.22 131.07	
27 14 23 16-0453 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,348.16 131.62	
27 14 23 16-0454 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,630.04 133.86	
27 14 23 16-0455 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,075.61 135.73	
27 14 23 16-0456 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,498.44 137.22	
27 14 23 16-0457 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,358.26 162.20	
27 14 23 16-0458 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,223.30 174.13	
27 14 23 16-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,087.04 186.06	
27 14 23 16-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,994.97 223.53	
27 14 23 16-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,825.91 256.72	
27 14 23 16-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,677.93 310.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 14 23 16-0463	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,566.67 312.65	
27 14 23 16-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>					
27 14 23 16-0465	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	857.34 106.94	
27 14 23 16-0466	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	960.15 114.68	
27 14 23 16-0467	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,062.81 122.23	
27 14 23 16-0468	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,189.62 139.15	
27 14 23 16-0469	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,371.23 145.10	
27 14 23 16-0470	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,692.33 154.65	
27 14 23 16-0471	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,996.48 177.84	
27 14 23 16-0472	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,578.60 197.63	
27 14 23 16-0473	MLF		48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,259.47 227.23	
27 14 23 16-0474	MLF		60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,888.34 244.51	
27 14 23 16-0475	MLF		72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,552.09 276.75	
27 14 23 16-0476	MLF		96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,894.53 311.17	
27 14 23 16-0477	MLF		120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,258.53 353.14	
27 14 23 16-0478	MLF		144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,643.58 324.38	
27 14 23 16-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0432)</small>					
27 14 23 16-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>					
27 14 23 16-0481	MLF		2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	887.67 158.47	
27 14 23 16-0482	MLF		4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	901.28 158.47	
27 14 23 16-0483	MLF		6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	914.51 159.22	
27 14 23 16-0484	MLF		8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	928.13 159.21	
27 14 23 16-0485	MLF		12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	954.78 160.34	
27 14 23 16-0486	MLF		18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,013.70 161.83	
27 14 23 16-0487	MLF		24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,053.97 162.75	
27 14 23 16-0488	MLF		36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,154.45 162.02	
27 14 23 16-0489	MLF		48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,255.31 167.79	
27 14 23 16-0490	MLF		60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,354.68 170.03	
27 14 23 16-0491	MLF		72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,493.57 180.84	
27 14 23 16-0492	MLF		96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,759.99 206.00	
27 14 23 16-0493	MLF		120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,061.26 214.40	
27 14 23 16-0494	MLF		144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,307.16 236.96	
27 14 23 16-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>					
27 14 23 16-0496	MLF		2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,014.45 162.01	
27 14 23 16-0497	MLF		4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,154.08 166.48	
27 14 23 16-0498	MLF		6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,161.97 169.04	
27 14 23 16-0499	MLF		8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,434.10 174.50	
27 14 23 16-0500	MLF		12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,713.94 182.88	
27 14 23 16-0501	MLF		18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,152.23 195.94	
27 14 23 16-0502	MLF		24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,572.09 208.24	



Communications	27	
Structured Cabling	27 10	27
Communications Cabling	27 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0503 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,431.90 253.18	
27 14 23 16-0504 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,291.54 258.96	
27 14 23 16-0505 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,153.97 280.03	
27 14 23 16-0506 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,056.67 309.11	
27 14 23 16-0507 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,884.08 305.01	
27 14 23 16-0508 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,830.06 314.13	
27 14 23 16-0509 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,629.68 356.46	
27 14 23 16-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 14 23 16-0479)		
27 14 23 16-0511 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	926.77 134.23	
27 14 23 16-0512 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,027.44 145.10	
27 14 23 16-0513 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,127.94 155.96	
27 14 23 16-0514 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,228.62 166.81	
27 14 23 16-0515 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,489.40 179.42	
27 14 23 16-0516 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,745.13 210.25	
27 14 23 16-0517 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,058.47 228.37	
27 14 23 16-0518 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,664.98 282.16	
27 14 23 16-0519 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,282.84 323.28	
27 14 23 16-0520 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,902.82 360.00	
27 14 23 16-0521 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,554.72 401.45	
27 14 23 16-0522 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,877.59 473.36	
27 14 23 16-0523 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,286.98 489.34	
27 14 23 16-0524 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,585.68 505.16	
27 14 23 16-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 14 23 16-0338)		
27 14 23 16-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 14 23 16-0525)		
27 14 23 16-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 14 23 16-0526)		
27 14 23 16-0528 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,374.56 123.78	1,473.31
27 14 23 16-0529 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,390.03 124.35	1,473.31
27 14 23 16-0530 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,405.69 124.72	1,473.31
27 14 23 16-0531 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,421.54 125.09	1,473.31
27 14 23 16-0532 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,452.67 126.03	1,473.31
27 14 23 16-0533 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,519.98 128.08	1,473.31
27 14 23 16-0534 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,566.77 129.76	1,473.31
27 14 23 16-0535 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,682.54 133.11	1,473.31
27 14 23 16-0536 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,772.22 151.57	1,473.31
27 14 23 16-0537 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,905.14 154.56	1,473.31
27 14 23 16-0538 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,028.74 174.87	1,473.31
27 14 23 16-0539 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,315.29 194.08	1,473.31
27 14 23 16-0540 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,603.70 225.76	1,473.31
27 14 23 16-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,908.70 250.74	1,473.31
27 14 23 16-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0338)		
Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 14 23 16-0543			Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0544	MLF		12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	2,773.28	306.23
27 14 23 16-0545	MLF		24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,678.91	306.23
27 14 23 16-0546	MLF		48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	5,696.32	306.23
27 14 23 16-0547			Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0548	MLF		12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,928.36	306.23
27 14 23 16-0549	MLF		24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	4,443.02	306.23
27 14 23 16-0550	MLF		48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	6,694.24	306.23
27 14 23 16-0551			Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0388)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		
27 14 23 16-0552			Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0553	MLF		12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	2,722.24	280.71
27 14 23 16-0554	MLF		24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,627.87	280.71
27 14 23 16-0555	MLF		48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,645.28	280.71
27 14 23 16-0556			Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0557	MLF		12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,877.32	280.71
27 14 23 16-0558	MLF		24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,391.98	280.71
27 14 23 16-0559	MLF		48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,643.20	280.71
27 14 33			Communications Coaxial Cabling <small>(27 14)</small>		
27 14 33 16			Communications Coaxial Cabling <small>(27 14 33)</small>		
27 14 33 16-0001			Indoor Coaxial Cable <small>(27 14 33 16)</small>		
27 14 33 16-0002			Coaxial Distribution Cable <small>(27 14 33 16-0001)</small> Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal		
27 14 33 16-0003	MLF		RG-6/U Coaxial Distribution Cable, In Conduit.....	1,245.60	149.31
27 14 33 16-0004	MLF		RG-6A/U Coaxial Distribution Cable, In Conduit.....	4,872.93	149.31
27 14 33 16-0005	MLF		RG-8/U Coaxial Distribution Cable, In Conduit.....	2,515.54	157.72
27 14 33 16-0006	MLF		RG-8A/U Coaxial Distribution Cable, In Conduit.....	3,196.91	157.72
27 14 33 16-0007	MLF		RG-11/U Coaxial Distribution Cable, In Conduit.....	2,812.89	186.65
27 14 33 16-0008	MLF		RG-11A/U Coaxial Distribution Cable, In Conduit.....	4,130.60	186.65
27 14 33 16-0009	MLF		RG-11/U Coaxial Distribution Cable, In Plenum.....	9,308.26	373.30
27 14 33 16-0010	MLF		RG-58/U Coaxial Distribution Cable, In Conduit.....	905.14	130.66
27 14 33 16-0011	MLF		RG-58A/U Coaxial Distribution Cable, In Conduit.....	1,040.16	130.66
27 14 33 16-0012	MLF		RG-58C/U Coaxial Distribution Cable, In Conduit.....	1,278.00	130.66
27 14 33 16-0013	MLF		RG-58/U Coaxial Distribution Cable, In Plenum.....	3,158.19	261.31
27 14 33 16-0014	MLF		RG-59/U Coaxial Distribution Cable, In Conduit.....	1,535.93	130.66
27 14 33 16-0015	MLF		RG-59/U Coaxial Distribution Cable, In Plenum.....	3,865.87	261.31
27 14 33 16-0016	MLF		1/2" Hard Line Coaxial, In Conduit.....	1,422.15	261.31
27 14 33 16-0017			Coaxial, Indoor Telecommunications Cable <small>(27 14 33 16-0001)</small>		
27 14 33 16-0018			Coaxial, Indoor Telecommunications Cable, Installed In Conduit <small>(27 14 33 16-0017)</small>		
27 14 33 16-0019	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	735.32	214.36
27 14 33 16-0020	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	1,813.64	214.36
27 14 33 16-0021	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	590.35	244.98
27 14 33 16-0022	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	2,289.44	244.98
27 14 33 16-0023			Coaxial, Indoor Telecommunications Cable, Installed Exposed <small>(27 14 33 16-0017)</small>		
27 14 33 16-0024	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108).....	1,092.59	428.72
27 14 33 16-0025	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108).....	2,170.91	428.72
27 14 33 16-0026	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114).....	998.66	489.97
27 14 33 16-0027	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120).....	2,697.75	489.97
27 14 33 16-0028			Outdoor Coaxial Cable <small>(27 14 33 16)</small>		
27 14 33 16-0029			Coaxial Cables "Television" Copper Covered Aluminum Center Core <small>(27 14 33 16-0028)</small> Note: Corrugated steel armor jacket.		
27 14 33 16-0030	MLF		TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	3,247.87	698.63
27 14 33 16-0031	MLF		TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	1,998.63	491.40
27 14 33 16-0032	MLF		TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	1,809.38	289.91
27 14 33 16-0033	MLF		TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	863.60	289.91



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 14 33 16-0034 MLF TV Coaxial Cable Drop 1/4" Diameter, Placed In Conduit.....	1,271.32	452.99
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27 14 43 Communications Faceplates And Connectors (27 14)

27 14 43 00-0001 Plastic Communications Faceplates (27 14 43)

Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.

27 14 43 00-0002 EA One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	4.84	1.28
27 14 43 00-0003 EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	4.84	1.28
27 14 43 00-0004 EA Three Port, Single Gang, Plastic Communication Faceplate With Station ID.....	4.84	1.28
27 14 43 00-0005 EA Four Port, Single Gang, Plastic Communication Faceplate With Station ID.....	4.84	1.28
27 14 43 00-0006 EA Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....	4.84	1.28
27 14 43 00-0007 EA Four Port, Double Gang, Plastic Communications Faceplate With Station ID.....	8.57	1.28
27 14 43 00-0008 EA Six Port, Double Gang, Plastic Communication Faceplate With Station ID.....	8.57	1.28
27 14 43 00-0009 EA Eight Port, Double Gang, Plastic Communication Faceplate With Station ID.....	8.57	1.28
27 14 43 00-0010 EA Nine Port, Double Gang, Plastic Communication Faceplate With Station ID.....	8.57	1.28
27 14 43 00-0011 EA Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....	8.57	1.28

27 14 43 00-0012 Stainless Steel Communications Faceplates (27 14 43)

Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.

27 14 43 00-0013 Stainless Steel Communications Faceplates (27 14 43 00-0012)

27 14 43 00-0014 EA One Port, Single Gang, Stainless Steel Communications Faceplate.....	10.35	1.28
27 14 43 00-0015 EA Two Port, Single Gang, Stainless Steel Communications Faceplate.....	10.35	1.28
27 14 43 00-0016 EA Three Port, Single Gang, Stainless Steel Communications Faceplate.....	10.35	1.28
27 14 43 00-0017 EA Four Port, Single Gang, Stainless Steel Communications Faceplate.....	11.16	1.28
27 14 43 00-0018 EA Six Port, Single Gang, Stainless Steel Communications Faceplate.....	11.16	1.28
27 14 43 00-0019 EA Four Port, Double Gang, Stainless Steel Communications Faceplate.....	15.51	1.28
27 14 43 00-0020 EA Six Port, Double Gang, Stainless Steel Communications Faceplate.....	16.02	1.28
27 14 43 00-0021 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate.....	18.75	1.28
27 14 43 00-0022 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	18.75	1.28
27 14 43 00-0023 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....	18.75	1.28

27 14 43 00-0024 Stainless Steel Communications Faceplates With Station ID (27 14 43 00-0012)

27 14 43 00-0025 EA One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	15.41	1.28
27 14 43 00-0026 EA Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	15.41	1.28
27 14 43 00-0027 EA Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	15.41	1.28
27 14 43 00-0028 EA Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	15.41	1.28
27 14 43 00-0029 EA Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	15.41	1.28
27 14 43 00-0030 EA Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	34.74	1.28
27 14 43 00-0031 EA Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	34.74	1.28
27 14 43 00-0032 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	34.74	1.28
27 14 43 00-0033 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID.....	34.74	1.28
27 14 43 00-0034 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	34.74	1.28

27 14 43 00-0035 Snap-In Modular Jacks (27 14 43)

Note: Includes termination.

27 14 43 00-0036 EA Cat 3, Snap-In Modular Jack.....	16.00	5.12
27 14 43 00-0037 EA Cat 5E, Snap-In Modular Jack.....	17.11	5.12
27 14 43 00-0038 EA Cat 5E Shielded, Snap-In Modular Jack.....	20.45	5.12
27 14 43 00-0039 EA Cat 6, Snap-In Modular Jack.....	20.45	5.12
27 14 43 00-0040 EA Cat 6 Shielded, Snap-In Modular Jack.....	24.19	5.12
27 14 43 00-0041 EA Cat 6A, Snap-In Modular Jack.....	24.76	5.12
27 14 43 00-0042 EA Voice, RJ-11, Snap-In Modular Jack.....	12.01	2.56
27 14 43 00-0043 EA SC Type Fiber Optic, Snap-In Modular Jack.....	18.53	5.12
27 14 43 00-0044 EA ST Type Fiber Optic, Snap-In Modular Jack.....	21.36	5.12
27 14 43 00-0045 EA LC Type Fiber Optic, Snap-In Modular Jack.....	26.93	5.12
27 14 43 00-0046 EA Blank Fill In, Snap-In Modular Jack.....	3.09	1.28
27 14 43 00-0047 EA Open Cable Pass Through Insert, Snap-In Modular Jack.....	3.77	1.28
27 14 43 00-0048 EA Coaxial F-Type Coupler, Snap-In Modular Jack.....	13.85	3.83

Note: Includes female to female connection.

For Gold Bulkhead, Add

1.08

27 14 43 00-0049 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack.....	14.05	3.83
Note: Includes female to female connection.		
27 14 43 00-0050 EA RCA Solder Coupler, Snap-In Modular Jack.....	25.23	5.12
27 14 43 00-0051 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	33.42	5.12
27 14 43 00-0052 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack.....	16.81	5.12
27 14 43 00-0053 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack.....	20.78	2.56
27 14 43 00-0054 EA BNC Connector, Snap-In Modular Jack.....	20.15	5.12
27 14 43 00-0055 EA S-Video With 110 Punch Down, Snap-In Modular Jack.....	23.18	5.12
27 14 43 00-0056 PR Speaker Connectors, Snap-In Modular Jack.....	30.02	7.68
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 14 43 00-0057 EA USB Audio Video Connector, Snap-In Modular Jack.....	37.15	5.12

27 14 43 00-0058 Surface Mount Plastic Communication Boxes (27 14 43)

Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.

27 14 43 00-0059 EA One Port, Surface Mount Plastic Communication Box With Station ID.....	15.67	6.40
27 14 43 00-0060 EA Two Port, Surface Mount Plastic Communication Box With Station ID.....	16.18	6.40
27 14 43 00-0061 EA Four Port, Surface Mount Plastic Communication Box With Station ID.....	19.67	6.40
27 14 43 00-0062 EA Six Port, Surface Mount Plastic Communication Box With Station ID.....	23.82	6.40
27 14 43 00-0063 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID.....	28.17	6.40

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 14 43 00-0064			Wall Mounted Telephone Faceplates (27 14 43) Note: Includes standard telephone mounting studs.		
27 14 43 00-0065			Plastic Faceplates For Wall Mounted Telephones (27 14 43 00-0064)		
27 14 43 00-0066	EA		Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	19.93	6.38
27 14 43 00-0067			Stainless Steel Faceplates For Wall Mounted Telephones (27 14 43 00-0064)		
27 14 43 00-0068	EA		Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	19.28	2.55
27 14 43 00-0069	EA		Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	31.89	6.38
27 14 43 00-0070	EA		Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	36.94	7.66
27 14 43 00-0071	EA		Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	18.45	2.55
27 14 43 00-0072	EA		Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	28.40	6.38
27 14 43 00-0073	EA		Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	33.53	7.66
27 14 43 00-0074			Communications Equipment Labeling (27 14 43)		
27 14 43 00-0075	EA		Label Both Ends Of One 4 Pair Cable	10.05	
27 14 43 00-0076	EA		Label single gang face plate (2 labels required)	8.04	
27 14 43 00-0077	EA		Label two gang face plate (4 labels required)	12.05	
27 14 43 00-0078	EA		Label both ends of a Siamese (dual 4 Pair cable).....	10.05	
27 14 53			Communications Cable Innerduct (27 14)		
			Note: Includes pull rope. Excludes conduit.		
27 14 53 00-0001			Indoor Innerduct (27 14 53)		
27 14 53 00-0002			Indoor Innerduct, Installed In Conduit (27 14 53 00-0001)		
27 14 53 00-0003			Riser Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0004	MLF		1" Riser Rated, Indoor Innerduct, Installed In Conduit	2,187.58	765.57
27 14 53 00-0005	MLF		1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	2,809.70	1,020.77
27 14 53 00-0006	MLF		1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	3,794.95	1,275.96
27 14 53 00-0007	MLF		2" Riser Rated, Indoor Innerduct, Installed In Conduit	4,403.11	1,531.14
27 14 53 00-0008			Plenum Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0009	MLF		1" Plenum Rated, Indoor Innerduct, Installed In Conduit	3,584.25	765.57
27 14 53 00-0010	MLF		1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	4,443.81	1,020.77
27 14 53 00-0011	MLF		1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	5,959.80	1,275.96
27 14 53 00-0012	MLF		2" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,196.46	1,531.14
27 14 53 00-0013			Indoor Innerduct, Installed Exposed (27 14 53 00-0001)		
27 14 53 00-0014			Riser Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0015	MLF		1" Riser Rated, Indoor Innerduct, Installed Exposed	2,697.97	1,020.77
27 14 53 00-0016	MLF		1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	3,320.08	1,275.96
27 14 53 00-0017	MLF		1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	4,305.34	1,531.14
27 14 53 00-0018	MLF		2" Riser Rated, Indoor Innerduct, Installed Exposed	4,913.49	1,786.34
27 14 53 00-0019			Plenum Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0020	MLF		1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	4,094.64	1,020.77
27 14 53 00-0021	MLF		1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	4,954.19	1,275.96
27 14 53 00-0022	MLF		1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	6,470.19	1,531.14
27 14 53 00-0023	MLF		2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	7,706.84	1,786.34
27 14 53 00-0024			Outdoor Innerduct (27 14 53)		
27 14 53 00-0025			Outdoor Innerduct, Installed In Conduit (27 14 53 00-0024)		
27 14 53 00-0026	MLF		1" Outdoor Innerduct, Installed In Conduit	2,019.98	765.57
27 14 53 00-0027	MLF		1-1/4" Outdoor Innerduct, Installed In Conduit.....	2,562.55	1,020.77
27 14 53 00-0028	MLF		1-1/2" Outdoor Innerduct, Installed In Conduit.....	3,295.22	1,275.96
27 14 53 00-0029	MLF		2" Outdoor Innerduct, Installed In Conduit	3,930.19	1,531.14
27 14 53 00-0030			Outdoor Innerduct, Buried In Trench (27 14 53 00-0024)		
27 14 53 00-0031	MLF		1" Outdoor Innerduct, Buried In Trench	1,509.61	
27 14 53 00-0032	MLF		1-1/4" Outdoor Innerduct, Buried In Trench	2,052.16	
27 14 53 00-0033	MLF		1-1/2" Outdoor Innerduct, Buried In Trench	2,784.84	
27 14 53 00-0034	MLF		2" Outdoor Innerduct, Buried In Trench	3,419.80	
27 14 63			Communications Multimedia Modular Patch Panels (27 14)		
27 14 63 00-0001			Communications Multimedia Modular Patch Panels (27 14 63) Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 63 00-0002	EA		12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	75.96	2.55



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 63 00-0003 EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	84.18	2.55
27 14 63 00-0004 EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	100.09	2.55
27 14 63 00-0005 EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	104.98	2.55
27 14 63 00-0006 EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	114.30	3.19
27 14 63 00-0007 EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	109.03	2.55
27 14 63 00-0008 EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	136.84	3.19
27 14 63 00-0009 EA Rack Mount Rear Cable Management Bar	34.76	3.19

27 16 Communications Connecting Cords, Devices, And Adapters (27 10)

27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)

27 16 16 00-0001 Fiber Optic Receivers (27 16 16)		
27 16 16 00-0002 EA Fiber Optic Receiver, Range 6.2 Miles	486.76	25.52
27 16 16 00-0003 Fiber Optic Transmitters (27 16 16)		
27 16 16 00-0004 EA Fiber Optic Transmitter, Range 6.2 Miles	486.76	25.52
27 16 16 00-0005 Fiber Optic Repeaters (27 16 16)		
Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006 EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	537.80	51.04
27 16 16 00-0007 EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	832.55	102.08
27 16 16 00-0008 Fiber Optic Transceivers (27 16 16)		
27 16 16 00-0009 EA Fiber Optic Transceivers, 3,000 Miles Range	536.99	102.08
27 16 16 00-0010 EA Fiber Optic Transceivers, Digital 2,000 Miles Range	536.99	102.08
27 16 16 00-0011 EA Fiber Optic Ethernet Transceiver	710.12	153.12
27 16 16 00-0012 EA Transceiver (Low Cost Bi- Directional)	268.26	38.28

27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 16)

27 16 19 00-0001 Fiber Optic Patch Cords (27 16 19)		
27 16 19 00-0002 Simplex Fiber Optic Patch Cables (27 16 19 00-0001)		
27 16 19 00-0003 Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0002)		
27 16 19 00-0004 EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	29.06	
<i>For Each Additional Meter In Length, Add</i>		
	0.26	
27 16 19 00-0005 EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	23.28	
<i>For Each Additional Meter In Length, Add</i>		
	0.26	
27 16 19 00-0006 EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	30.80	
<i>For Each Additional Meter In Length, Add</i>		
	0.26	
27 16 19 00-0007 EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	24.60	
<i>For Each Additional Meter In Length, Add</i>		
	0.26	
27 16 19 00-0008 EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	28.82	
<i>For Each Additional Meter In Length, Add</i>		
	0.26	
27 16 19 00-0009 EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	28.36	
<i>For Each Additional Meter In Length, Add</i>		
	0.26	
27 16 19 00-0010 Duplex Fiber Optic Patch Cables (27 16 19 00-0001)		
27 16 19 00-0011 Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0010)		
27 16 19 00-0012 EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	52.32	
<i>For Each Additional Meter In Length, Add</i>		
	0.51	
27 16 19 00-0013 EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	50.69	
<i>For Each Additional Meter In Length, Add</i>		
	0.51	
27 16 19 00-0014 EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	56.49	
<i>For Each Additional Meter In Length, Add</i>		
	0.51	
27 16 19 00-0015 EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	43.41	
<i>For Each Additional Meter In Length, Add</i>		
	0.51	
27 16 19 00-0016 EA SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	51.84	
<i>For Each Additional Meter In Length, Add</i>		
	0.51	
27 16 19 00-0017 EA LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	50.92	
<i>For Each Additional Meter In Length, Add</i>		
	0.51	
27 16 19 00-0018 Multimode, Duplex Fiber Optic Patch Cables (27 16 19 00-0010)		
27 16 19 00-0019 EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	38.95	
<i>For Each Additional Meter In Length, Add</i>		
	1.48	
27 16 19 00-0020 EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	42.73	
<i>For Each Additional Meter In Length, Add</i>		
	1.48	
27 16 19 00-0021 EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	43.12	
<i>For Each Additional Meter In Length, Add</i>		
	1.48	
27 16 19 00-0022 EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	44.33	
<i>For Each Additional Meter In Length, Add</i>		
	1.48	
27 16 19 00-0023 EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	39.11	
<i>For Each Additional Meter In Length, Add</i>		
	1.48	
27 16 19 00-0024 EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	44.55	
<i>For Each Additional Meter In Length, Add</i>		
	1.48	
27 16 19 00-0025 EA SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	52.75	
<i>For Each Additional Meter In Length, Add</i>		
	1.48	

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, And Adapters**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 16 19 00-0026	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	35.62	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0027	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	43.84	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0028		Fiber Optic Cable Pig Tail <small>(27 16 19)</small>		
27 16 19 00-0029	EA	Simplex Fiber Optic Cable Pig Tail	38.78	17.86
27 16 19 00-0030	EA	Duplex Fiber Optic Cable Pig Tail.....	52.51	17.86
27 16 19 00-0031		Ethernet Patch Cords <small>(27 16 19)</small>		
27 16 19 00-0032	EA	3' Category 5E Patch Cables With Boots.....	12.12	
27 16 19 00-0033	EA	5' Category 5E Patch Cables With Boots.....	12.90	
27 16 19 00-0034	EA	7' Category 5E Patch Cables With Boots.....	13.69	
27 16 19 00-0035	EA	10' Category 5E Patch Cables With Boots.....	17.43	
27 16 19 00-0036	EA	15' Category 5E Patch Cables With Boots.....	19.40	
27 16 19 00-0037	EA	25' Category 5E Patch Cables With Boots.....	23.34	
27 16 19 00-0038	EA	3' Category 6 Patch Cables With Boots	13.23	
27 16 19 00-0039	EA	5' Category 6 Patch Cables With Boots	14.24	
27 16 19 00-0040	EA	7' Category 6 Patch Cables With Boots	15.25	
27 16 19 00-0041	EA	10' Category 6 Patch Cables With Boots.....	19.33	
27 16 19 00-0042	EA	15' Category 6 Patch Cables With Boots.....	21.87	
27 16 19 00-0043	EA	25' Category 6 Patch Cables With Boots.....	26.93	
27 16 19 00-0044	EA	50' Category 6 Patch Cables With Boots.....	39.60	
27 16 19 00-0045	EA	100' Category 6 Patch Cables With Boots.....	67.49	
27 16 19 00-0046	EA	3' Category 6A Patch Cables With Boots.....	17.46	
27 16 19 00-0047	EA	5' Category 6A Patch Cables With Boots.....	19.45	
27 16 19 00-0048	EA	7' Category 6A Patch Cables With Boots.....	21.43	
27 16 19 00-0049	EA	10' Category 6A Patch Cables With Boots.....	26.97	
27 16 19 00-0050	EA	15' Category 6A Patch Cables With Boots.....	31.93	
27 16 19 00-0051	EA	25' Category 6A Patch Cables With Boots.....	41.85	
27 16 19 00-0052	EA	50' Category 6A Patch Cables With Boots.....	66.65	
27 16 19 00-0053	EA	100' Category 6A Patch Cables With Boots.....	118.82	
27 16 19 00-0054		Cross Connect Wire <small>(27 16 19)</small>		
		Note: Up to 20' length.		
27 16 19 00-0055	EA	2-Pair Cross Connect Wire	8.55	
27 16 19 00-0056	EA	3-Pair Cross Connect Wire	11.49	
27 16 19 00-0057	EA	4-Pair Cross Connect Wire	14.37	

27 20 Data Communications (27)**27 21 Data Communications Network Equipment (27 20)**

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems

27 21 16 00-0001		Fiber Optic Modems <small>(27 21 16)</small>		
27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles.....	930.35	102.08
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	1,838.09	102.08
27 21 16 00-0004		Ethernet Hubs and Switches <small>(27 21 16)</small>		
27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management.....	2,205.80	76.76
27 21 16 00-0006	EA	16 Port Unmanaged Hub	336.93	51.17

27 30 Voice Communications (27)**27 31 Voice Communications Switching and Routing Equipment (27 30)**

Note: Includes testing of new devices and certification.

27 31 13 00-0001		Interior PBX Telephone System <small>(27 31 13)</small>		
		Note: Includes telephone instruments cabling and solid state switching.		
27 31 13 00-0002		Interior PBX Telephone System <small>(27 31 13 00-0001)</small>		
		Note: Cost is for each line up to 1000 lines.		
27 31 13 00-0003	EA	1 Line PBX Connection, Cost Per Each Line Up To 1,000	913.34	266.25
27 31 13 00-0004		Additional Telephones Less Solid State Switching (PBX) <small>(27 31 13 00-0001)</small>		
27 31 13 00-0005	EA	Add For Each Additional PBX Phone Line Less Solid State Switching.....	344.09	20.93
27 31 13 00-0006		Telephones <small>(27 31 13 00-0001)</small>		
27 31 13 00-0007	EA	Telephones, Desk Type Intercommunication Equipment.....	125.61	19.90
27 31 13 00-0008	EA	Telephones, Wall Type Intercommunication Equipment.....	139.03	26.54



Communications	27	
Voice Communications	27 30	27
Voice Communications Terminal Equipment	27 32	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

27 32 Voice Communications Terminal Equipment (27 30)

Note: Includes testing of new devices and certification.

27 32 19 Interior Telephone System (27 32)

27 32 19 00-0001 Components (27 32 19)

27 32 19 00-0002	EA	Solid State Exchange Unit With Power Supply.....	3,979.27	466.38
27 32 19 00-0003	EA	Dial Telephone - Handset In Cabinet.....	488.28	38.13
27 32 19 00-0004	EA	Elevator Cab Telephone With Trailer Cable.....	235.20	40.88
27 32 19 00-0005	EA	Loud Ring Bell, 6".....	181.13	37.92
27 32 19 00-0006	EA	Audio/Visual Indicator.....	238.15	35.73
27 32 19 00-0007	EA	Administrative Telephone With Digital Display.....	251.09	32.06
27 32 19 00-0008	EA	Processing Unit For 16 Station System.....	1,184.08	261.47
27 32 19 00-0009	EA	Handset For 16 Station System.....	175.02	26.02
27 32 19 00-0010	EA	Handset In Cabinet, For 16 Station System.....	237.17	35.12
27 32 19 00-0011	MLF	20 Conductor Unshielded Cable, #22.....	1,392.44	562.80
27 32 19 00-0012	EA	Power Supply For 16 Station System.....	198.58	69.46
27 32 19 00-0013	EA	Intercom Terminal Board.....	165.60	78.19
27 32 19 00-0014	EA	Power Supply For Five Station System, 24 Volt DC.....	208.04	69.46
27 32 19 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	104.60	28.56
27 32 19 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep.....	342.72	62.85
27 32 19 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep.....	406.38	71.44
27 32 19 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep.....	494.06	84.55
27 32 19 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep.....	588.03	91.41
27 32 19 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep.....	939.68	104.01
27 32 19 00-0021	EA	Ring Rung 3".....	5.81	2.84
27 32 19 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID.....	15.10	5.05
27 32 19 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	26.55	10.36

27 32 19 00-0024 Accessories (27 32 19)

27 32 19 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete.....	5.71	2.76
27 32 19 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete.....	12.41	10.62
27 32 19 00-0027	EA	Level 5, RJ-45 Jack, Dual Flush Mounted - Complete.....	30.70	11.67
27 32 19 00-0028	EA	Level 5, RJ-45 Jack, Wall Mount - Complete.....	29.06	11.67
27 32 19 00-0029	EA	Terminating Strips, Inside.....	58.95	23.33
27 32 19 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	25.88	11.99
27 32 19 00-0031	EA	Ready Access Closure 3 To 25 Pair.....	71.21	28.12
27 32 19 00-0032	EA	Ready Access Closure 25 To 100 Pair.....	83.29	31.44
27 32 19 00-0033	EA	Termination Block With Bracket 25 Pair.....	26.94	9.44
27 32 19 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete.....	25.41	11.84
27 32 19 00-0035	EA	Interior Protected Terminal 25 Pair.....	306.95	68.19
27 32 19 00-0036	EA	Interior Protected Terminal 50 Pair.....	363.95	69.26
27 32 19 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair.....	122.22	28.37
27 32 19 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair.....	126.15	28.37
27 32 19 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair.....	166.59	36.29
27 32 19 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair.....	345.75	65.38
27 32 19 00-0041	EA	Entrance Protector Terminal 100 Pair.....	478.53	74.62
27 32 19 00-0042	EA	Gas Protection Module.....	7.40	2.55
27 32 19 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair.....	12.86	2.33

27 32 26 Ring-Down Emergency Telephones (27 32)

27 32 26 00-0001 Emergency Telephone (27 32 26)

Note: Standard features include: CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s).....	5,986.39	213.05
		Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d).....	6,314.83	213.05
		Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0004	EA	Analog Speakerphone With Black "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2).....	109.48	
27 32 26 00-0005	EA	Analog Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K).....	164.22	
27 32 26 00-0006	EA	IP Speakerphone With Single Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP1).....	410.55	
27 32 26 00-0007	EA	IP Speakerphone With Back "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2).....	558.35	
27 32 26 00-0008	EA	IP Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K).....	613.09	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option.....	10.95	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option.....	10.95	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option.....	98.53	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option.....	1,040.06	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option.....	481.71	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option.....	1,560.08	
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option.....	3,278.91	
		Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.		

27 Communications**27 30 Voice Communications****27 32 Voice Communications Terminal Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 32 26 00-0016	EA	Active Venting Code Blue Option.....	175.17	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option	1,527.24	
		Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	383.18	
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option	870.36	
		Note: Excludes camera.		
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option.....	38.32	

27 32 26 00-0021 City Police Call System (27 32 26)**27 32 26 00-0022 Components (27 32 26 00-0021)**

27 32 26 00-0023	EA	City Police Call System.....	459.79	59.51
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post.....	391.64	86.20

27 40 Audio-Video Communications (27)**27 41 Audio-Video Systems (27 40)****27 41 16 Integrated Audio-Video Systems and Equipment (27 41)**

Note: Includes testing of new devices and certification.

27 41 16 00-0001		Television Distribution System (27 41 16) See CSI section 26 05 13 00-0001 for basic wiring, 26 05 19 16-0011 for basic wiring.		
27 41 16 00-0002		Television Support System (27 41 16 00-0001)		
27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20".....	233.03	57.32
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack.....	308.59	63.97
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27".....	245.18	57.32
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack.....	320.74	63.97
27 41 16 00-0007	EA	Wall Mounted Television Support, 13".....	185.25	46.06
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack.....	260.82	51.17
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20".....	201.20	46.06
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack.....	276.77	51.17
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27".....	217.15	46.06
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack.....	292.72	51.17
27 41 16 00-0013		Distribution System (27 41 16 00-0001) See CSI section 26 05 13 00-0001 for wire and cabling.		
27 41 16 00-0014		TV Distribution Rack (27 41 16 00-0013)		
27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves	910.39	93.86
27 41 16 00-0016	EA	Switch And Pilot Light.....	124.89	41.70
27 41 16 00-0017	LF	Surface Raceway With Outlets	14.51	5.66
27 41 16 00-0018	EA	Service Label	16.56	7.81
27 41 16 00-0019		Head End Amplifier (27 41 16 00-0013)		
27 41 16 00-0020	EA	Head End Amplifier.....	607.45	62.47
27 41 16 00-0021		UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)		
27 41 16 00-0022	EA	UHF In-Line Booster	338.68	62.47
27 41 16 00-0023		Preamplifiers (27 41 16 00-0013)		
27 41 16 00-0024	EA	VHF Preamplifier.....	433.32	62.47
27 41 16 00-0025	EA	UHF Preamplifier	338.68	62.47
27 41 16 00-0026		Power Supplies (27 41 16 00-0013)		
27 41 16 00-0027	EA	Common Power Supply	619.02	89.26
27 41 16 00-0028		Line Splitter And Mixer (27 41 16 00-0013)		
27 41 16 00-0029	EA	Line Splitter.....	45.40	20.83
27 41 16 00-0030	EA	Two-Way Splitter.....	52.94	20.83
27 41 16 00-0031	EA	Frequency Filter	126.79	31.28
27 41 16 00-0032	EA	Line Splitter And Mixer.....	139.33	45.94
27 41 16 00-0033		Power Line Filters (27 41 16 00-0013)		
27 41 16 00-0034	EA	120-Volt Power Supply Line Filter.....	257.38	41.70
27 41 16 00-0035		Wall Box And Receiver Outlets (27 41 16 00-0013)		
27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug.....	126.79	31.28
27 41 16 00-0037	EA	TV Receiver Outlet Plug	52.94	20.83
27 41 16 00-0038	EA	TV Camera Outlet Plug.....	52.94	20.83
27 41 16 00-0039	EA	Audio Outlet Plug.....	43.50	20.83
27 41 16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings.....	91.76	41.70
27 41 16 00-0041	EA	Male Plug PL-259	52.94	20.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0042 EA Wall Box And Receiver Outlet Television Outlets	59.31	21.84
27 41 16 00-0043 Metal And Electric Shop Antenna Systems (27 41 16)		
27 41 16 00-0044 Antenna (27 41 16 00-0043)		
27 41 16 00-0045 EA Amateur Radio Antenna	572.60	76.56
27 41 16 00-0046 EA Multi-Band Radio Antenna.....	437.03	76.56
27 41 16 00-0047 Receptacles (27 41 16 00-0043)		
27 41 16 00-0048 EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	117.33	31.28
27 41 16 00-0049 EA Multi-Band Radio Antenna System Receptacle With Mating Plugs	117.33	31.28

27 50 Distributed Communications And Monitoring Systems (27)

27 51 Distributed Audio-Video Communications Systems (27 50)

27 51 33 Sound Reinforcement (27 51)

Note: Includes testing of new devices and certification.

27 51 33 00-0001 Amplifiers (27 51 33)

27 51 33 00-0002 EA 10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	274.12	51.17
27 51 33 00-0003 EA 35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	402.88	51.17
27 51 33 00-0004 EA 60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	485.53	51.17
27 51 33 00-0005 EA 100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100).....	544.50	51.17
27 51 33 00-0006 EA 150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150).....	687.39	51.17
27 51 33 00-0007 EA 250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250).....	901.06	51.17
27 51 33 00-0008 EA Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	35.36	2.56

27 51 33 00-0009 Speakers (27 51 33)

27 51 33 00-0010 EA 8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	96.97	13.68
27 51 33 00-0011 EA 8" Steel Baffle (Atlas Sound 51-8)	34.25	2.55
27 51 33 00-0012 EA T-Bar Support (Atlas Sound EZ95-8).....	38.74	2.55
27 51 33 00-0013 EA 8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	62.84	2.55
27 51 33 00-0014 EA Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	54.37	4.60

27 51 33 00-0015 Accessories (27 51 33)

27 51 33 00-0016 EA Microphone And Stand For Audio/Video System (Bogen MBS-1000A).....	176.30	6.40
27 51 33 00-0017 EA 5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	401.72	6.40
27 51 33 00-0018 EA Weather Proof Horn For Audio/Video System (Bogen SPT5A)	94.00	12.79
27 51 33 00-0019 EA Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	181.69	12.79
27 51 33 00-0020 EA Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	130.41	12.76
27 51 33 00-0021 EA Microphone Jack For Audio/Video System	55.58	12.79
27 51 33 00-0022 EA Terminal Cabinet For Audio/Video System (Atlas 121-18)	509.58	51.17
27 51 33 00-0023 EA Volume Control For Audio/Video System (Bogen AT10A).....	52.74	12.79

27 53 Distributed Systems (27 50)

27 53 13 Clock Systems (27 53)

27 53 13 00-0001 Wired Self-Corrective Clock Systems (27 53 13)

27 53 13 00-0002 Wired Self-Corrective Clocks (27 53 13 00-0001)

27 53 13 00-0003 Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 00-0002)

27 53 13 00-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 00-0003)

27 53 13 00-0005 EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	164.99	12.76
For >50 To 100, Deduct	-9.39	
For >100, Deduct	-14.97	
27 53 13 00-0006 EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	413.93	12.76
For >50 To 100, Deduct	-19.35	
For >100, Deduct	-34.89	
27 53 13 00-0007 EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	210.90	12.76
For >50 To 100, Deduct	-13.08	
For >100, Deduct	-20.50	
27 53 13 00-0008 EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	551.64	12.76
For >50 To 100, Deduct	-56.43	
For >100, Deduct	-77.47	

27 53 13 00-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 00-0003)

27 53 13 00-0010 EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	164.99	12.76
For >50 To 100, Deduct	-9.39	
For >100, Deduct	-14.97	
27 53 13 00-0011 EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	413.93	12.76
For >50 To 100, Deduct	-19.35	
For >100, Deduct	-34.89	
27 53 13 00-0012 EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	210.90	12.76
For >50 To 100, Deduct	-13.08	
For >100, Deduct	-20.50	

27 Communications**27 50 Distributed Communications And Monitoring Systems****27 53 Distributed Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0013	EA		16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	551.64	12.76
			<i>For >50 To 100, Deduct</i>	-56.43	
			<i>For >100, Deduct</i>	-77.47	
27 53 13 00-0014			Accessories For Analog Wired Self-Corrective Clocks (27 53 13 00-0003)		
27 53 13 00-0015	EA		Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks.....	140.76	6.38
27 53 13 00-0016	EA		Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks.....	30.42	6.38
27 53 13 00-0017	EA		Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks.....	40.57	6.38
27 53 13 00-0018	EA		Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks.....	51.17	6.38
27 53 13 00-0019	EA		Combination Back Box For Speaker And Clock.....	80.44	10.21
27 53 13 00-0020			Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 00-0002)		
27 53 13 00-0021			24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0022	EA		2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	207.37	12.76
			<i>For Surface Mount, Add</i>	36.37	
			<i>For >50 To 100, Deduct</i>	-10.91	
			<i>For >100, Deduct</i>	-18.19	
27 53 13 00-0023	EA		4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	327.42	12.76
			<i>For Surface Mount, Add</i>	60.38	
			<i>For >50 To 100, Deduct</i>	-18.11	
			<i>For >100, Deduct</i>	-30.19	
27 53 13 00-0024			120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0025	EA		2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	207.37	12.76
			<i>For Surface Mount, Add</i>	36.37	
			<i>For >50 To 100, Deduct</i>	-10.91	
			<i>For >100, Deduct</i>	-18.19	
27 53 13 00-0026	EA		4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	327.42	12.76
			<i>For Surface Mount, Add</i>	60.38	
			<i>For >50 To 100, Deduct</i>	-18.11	
			<i>For >100, Deduct</i>	-30.19	
27 53 13 00-0027			Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0028	EA		2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	175.15	12.76
			<i>For >50 To 100, Deduct</i>	-8.98	
			<i>For >100, Deduct</i>	-14.96	
27 53 13 00-0029	EA		4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	298.29	12.76
			<i>For >50 To 100, Deduct</i>	-16.37	
			<i>For >100, Deduct</i>	-27.28	
27 53 13 00-0030			Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0031	EA		2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	175.15	12.76
			<i>For >50 To 100, Deduct</i>	-8.98	
			<i>For >100, Deduct</i>	-14.96	
27 53 13 00-0032	EA		4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	298.29	12.76
			<i>For >50 To 100, Deduct</i>	-16.37	
			<i>For >100, Deduct</i>	-27.28	
27 53 13 00-0033			Accessories For Digital Wired Self-Corrective Clocks (27 53 13 00-0020)		
27 53 13 00-0034	EA		Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	194.61	6.38
27 53 13 00-0035	EA		2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	41.01	6.38
27 53 13 00-0036	EA		4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	59.55	6.38
27 53 13 00-0037	EA		Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks.....	169.01	6.38
27 53 13 00-0038	EA		4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	42.34	6.38
27 53 13 00-0039			Wired Self-Corrective Master Clocks (27 53 13 00-0001)		
27 53 13 00-0040			Wired Self-Corrective Master Clocks (27 53 13 00-0039)		
27 53 13 00-0041	EA		24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	1,966.12	102.08
27 53 13 00-0042	EA		120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	2,098.53	102.08
27 53 13 00-0043			Accessories For Wired Self-Corrective Master Clocks (27 53 13 00-0039)		
27 53 13 00-0044	EA		5 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	184.78	25.52
27 53 13 00-0045	EA		10 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	212.58	25.52
27 53 13 00-0046			Other Clock And Program Systems (27 53 13)		
27 53 13 00-0047	EA		4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	1,057.01	51.04
27 53 13 00-0048	EA		8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	1,249.62	102.08
27 53 13 00-0049	EA		Program Bell (Lathem 906-6).....	143.00	25.52
27 53 13 00-0050	EA		Combination Clock And Speaker.....	320.51	63.80

27 53 19 Internal Cellular, Paging, And Antenna Systems (27 53)



Communications	27	27
Distributed Communications And Monitoring Systems	27 50	
Distributed Systems	27 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 19 00-0001 Satellite Antenna System <small>(27 53 19)</small>		
27 53 19 00-0002 EA Satellite Antenna System.....	54,331.24	3,415.56
<small>Note: Includes 3.8m Dual Axis Antenna (C38DA-NOCTRL-4CKPOT); Controller (RC2000A); Feed Drive 12/24 DC (RC2KPOL); Two LNB C Band 20 Degree (CLNB20-D100); Two LNB Ku Band .6 dB (KLN6-D500E); RS422 To RS232 Converter (RCIKADP); Software RC Sat Control (AUTOPLOT-DLM2); Receiver Sat C/Ku W-Rotary (MT930B-PKG); Two Actuators 24" Ball Screw Hall (ACT2400-HALL); Mounting Bolts & Clamps For 2" Saddle Clamp For ACT2400 (ACTBOLTS-18-24-36); Four Ground Blocks (TSDIFF); 20" Pipe, 5" IPS, Schedule 40, Primed, Painted And Cold Galvanized Mounting Pole; Antenna Bracket</small>		

END OF SECTION 27

27 Communications

27 50 Distributed Communications And Monitoring Systems

27 53 Distributed Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results For Electronic Safety And Security (28)

28 05 13 Conductors And Cables For Electronic Safety And Security (28 05)

28 05 13 13	CCTV Communications Conductors And Cables (28 05 13) See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.		
28 05 13 16	Access Control Communications Conductors And Cables (28 05 13) See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.		
28 05 13 19	Intrusion Detection Communications Conductors And Cables (28 05 13) See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables, 28 05 13 23-0000 for Type FPLP.		
28 05 13 23	Fire Alarm Communications Conductors And Cables (28 05 13)		
28 05 13 23-0001	Fire Alarm/Life Safety Cable (28 05 13 23)		
28 05 13 23-0002	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (28 05 13 23-0001)		
28 05 13 23-0003	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (28 05 13 23-0002)		
28 05 13 23-0004	MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,010.87	347.26
28 05 13 23-0005	MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,318.32	359.82
28 05 13 23-0006	MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,154.13	394.73
28 05 13 23-0007	MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,651.07	408.82
28 05 13 23-0008	MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,339.39	441.89
28 05 13 23-0009	MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,051.95	457.81
28 05 13 23-0010	MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,785.97	505.28
28 05 13 23-0011	MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,900.80	523.29
28 05 13 23-0012	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (28 05 13 23-0002)		
28 05 13 23-0013	MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,589.65	694.63
28 05 13 23-0014	MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,918.02	719.64
28 05 13 23-0015	MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,812.02	789.56
28 05 13 23-0016	MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,332.43	817.63
28 05 13 23-0017	MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,075.86	883.98
28 05 13 23-0018	MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,814.98	915.63
28 05 13 23-0019	MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,628.10	1,010.56
28 05 13 23-0020	MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,773.05	1,046.79
28 05 13 23-0021	Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (28 05 13 23-0001)		
28 05 13 23-0022	MLF 2/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	567.62	284.18
28 05 13 23-0023	MLF 4/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	628.88	294.29
28 05 13 23-0024	MLF 2/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	688.76	347.26
28 05 13 23-0025	MLF 3/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	753.85	353.54
28 05 13 23-0026	MLF 4/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	790.76	359.82
28 05 13 23-0027	MLF 6/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	918.19	372.37
28 05 13 23-0028	MLF 8/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,107.33	384.93
28 05 13 23-0029	MLF 2/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	815.60	394.73

28 Electronic Safety And Security
28 05 Common Work Results For Electronic Safety And Security
28 05 13 Conductors And Cables For Electronic Safety And Security



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 05 13 23-0030	MLF	4/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	957.78	408.82
28 05 13 23-0031	MLF	2/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	962.53	441.89
28 05 13 23-0032	MLF	4/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,191.64	457.81
28 05 13 23-0033	MLF	2/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,213.95	505.28
28 05 13 23-0034	MLF	4/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,592.26	523.29
28 05 13 23-0035		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(28 05 13 23-0001)</small>		
28 05 13 23-0036		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(28 05 13 23-0035)</small>		
28 05 13 23-0037	MLF	2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	560.22	284.18
28 05 13 23-0038	MLF	2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	683.96	347.26
28 05 13 23-0039	MLF	3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	800.29	353.54
28 05 13 23-0040	MLF	4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	803.62	359.82
28 05 13 23-0041	MLF	6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	985.31	372.37
28 05 13 23-0042	MLF	2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	808.34	394.73
28 05 13 23-0043	MLF	4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	974.08	408.82
28 05 13 23-0044	MLF	2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	929.84	441.89
28 05 13 23-0045	MLF	4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,321.54	457.81
28 05 13 23-0046	MLF	2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,203.27	505.28
28 05 13 23-0047	MLF	4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,789.46	523.29
28 05 13 23-0048		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(28 05 13 23-0035)</small>		
28 05 13 23-0049	MLF	2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,033.86	568.57
28 05 13 23-0050	MLF	2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,262.74	694.63
28 05 13 23-0051	MLF	3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,389.27	706.88
28 05 13 23-0052	MLF	4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,403.32	719.64
28 05 13 23-0053	MLF	6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,605.93	744.65
28 05 13 23-0054	MLF	2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,466.23	789.56
28 05 13 23-0055	MLF	4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,655.44	817.63
28 05 13 23-0056	MLF	2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,666.31	883.98
28 05 13 23-0057	MLF	4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,084.57	915.63
28 05 13 23-0058	MLF	2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,045.40	1,010.56
28 05 13 23-0059	MLF	4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,661.71	1,046.79
28 05 13 23-0060		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(28 05 13 23-0001)</small>		
28 05 13 23-0061		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(28 05 13 23-0060)</small>		
28 05 13 23-0062	MLF	2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	590.67	284.18
28 05 13 23-0063	MLF	2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	705.70	347.26
28 05 13 23-0064	MLF	3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	881.01	353.54
28 05 13 23-0065	MLF	4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	825.87	359.82
28 05 13 23-0066	MLF	6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,008.07	372.37
28 05 13 23-0067	MLF	2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	858.31	394.73
28 05 13 23-0068	MLF	4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	997.19	408.82
28 05 13 23-0069	MLF	2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,037.63	441.89
28 05 13 23-0070	MLF	4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,267.50	457.81
28 05 13 23-0071	MLF	2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,283.03	505.28
28 05 13 23-0072	MLF	4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,625.37	523.29



Table with 4 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST

28 05 13 23-0073 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed

Table listing items 28 05 13 23-0074 through 28 05 13 23-0084 with descriptions and costs.

28 05 13 23-0085 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable

28 05 13 23-0086 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit

Table listing items 28 05 13 23-0087 through 28 05 13 23-0096 with descriptions and costs.

28 05 13 23-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed

Table listing items 28 05 13 23-0098 through 28 05 13 23-0107 with descriptions and costs.

28 05 26 Grounding And Bonding For Electronic Safety And Security

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 28 Pathways For Electronic Safety And Security

28 05 28 29 Hangers And Supports For Electronic Safety And Security

See CSI section 26 05 29 00-0000 for hangers and supports.

28 05 28 33 Conduits And Backboxes For Electronic Safety And Security

See CSI section 26 05 33 13-0000 for conduits.

28 05 28 36 Cable Trays For Electronic Safety And Security

See CSI section 26 05 36 00-0000 for cable trays.

28 05 28 39 Surface Raceways For Electronic Safety And Security

See CSI section 26 05 33 23-0000 for surface raceways.

28 05 53 Identification For Electronic Safety And Security

See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control

28 Electronic Safety And Security**28 10 Access Control****28 05 53 Identification For Electronic Safety And Security**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: Includes testing of new devices and certification.

28 15 Access Control Hardware Devices (28 10)**28 15 11 Integrated Credential Readers and Field Entry Management** (28 15)**28 15 11 13 Keypads** (28 15 11)**28 15 11 13-0001 Vindicator Security Alarm System** (28 15 11 13)

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	798.43	106.42
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00.....	1,011.17	138.31
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01.....	6,060.88	303.17
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01.....	2,893.18	258.36
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00.....	617.37	141.32

28 16 Access Control Interfaces (28 10)**28 16 11 Access Control Interfaces to Access Control Hardware** (28 16)**28 16 11 00-0001 Stand Alone Access Controls** (28 16 11)**28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls** (28 16 11 00-0001)**28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls** (28 16 11 00-0002)

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls.....	64.04	12.76
Note: Controls mount to a standard mullion.				
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls.....	67.25	12.76
Note: Controls mount into a single gang electrical box. Excludes electrical box.				
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators.....	85.71	12.76
Note: Controls mount into a single gang electrical box. Excludes electrical box.				

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls (28 16 11 00-0002)

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.				
28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls.....	81.16	12.76
Note: Controls mount into a single gang electrical box. Excludes electrical box.				
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls.....	396.49	38.28
Note: Includes post, mounting base and push button control. Excludes concrete foundation.				
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators.....	133.86	12.76
Note: Includes open, close and stop controls.				

28 16 11 00-0011 Key Controls, Stand Alone Access Controls (28 16 11 00-0001)**28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls** (28 16 11 00-0011)

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls.....	91.73	12.76
Note: Controls mount into a single gang electrical box. Excludes electrical box.				

28 16 11 00-0014 Exterior Mount, Key Controls, Stand Alone Access Controls (28 16 11 00-0011)

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.				
28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls.....	139.32	25.52
Note: Opens door or gate with a postal or fire department key.				
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls.....	224.38	25.52
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls.....	224.38	25.52
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....	346.36	25.52

28 16 11 00-0019 Keypad Controls, Stand Alone Access Controls (28 16 11 00-0001)**28 16 11 00-0020 Interior Mount, Keypad Controls, Stand Alone Access Controls** (28 16 11 00-0019)

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls.....	129.84	12.76
Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.				

28 16 11 00-0022 Exterior Mount, Keypad Controls, Stand Alone Access Controls (28 16 11 00-0019)

Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.				
28 16 11 00-0023	Keypad Controls, Exterior Stand Alone Access Controls (28 16 11 00-0022)			
28 16 11 00-0024	EA	1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls.....	543.46	51.04
Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.				
For Flush Mount, Add			99.31	

28 16 11 00-0025 Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls (28 16 11 00-0022)

Note: Includes intercom sub-station. Excludes additional receiving intercoms.				
28 16 11 00-0026	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls.....	660.54	57.42
Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.				
For Flush Mount, Add			122.78	

28 16 11 00-0027 RF Controls, Stand Alone Access Controls (28 16 11 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0028 Exterior Mount, RF Controls, Stand Alone Access Controls (28 16 11 00-0027) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029 RF Receivers, RF Controls, Exterior Stand Alone Access Controls (28 16 11 00-0028) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030 EA 50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	318.76	51.04
28 16 11 00-0031 EA 100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	362.09	51.04
28 16 11 00-0032 EA 250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	403.82	51.04
28 16 11 00-0033 EA 500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	448.76	51.04
28 16 11 00-0034 EA 1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	490.49	51.04
28 16 11 00-0035 EA 5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	535.43	51.04
28 16 11 00-0036 EA 16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	577.16	51.04
28 16 11 00-0037 RF Transmitters, RF Controls, Exterior Stand Alone Access Controls (28 16 11 00-0028)		
28 16 11 00-0038 EA 1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	27.28	
For >40 To 110, Deduct	-1.36	
For >110, Deduct	-2.73	
For Built In Proximity Tags, Add	5.46	
28 16 11 00-0039 EA 2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	28.89	
For >40 To 110, Deduct	-1.44	
For >110, Deduct	-2.89	
For Built In Proximity Tags, Add	5.78	
28 16 11 00-0040 EA 3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	30.50	
For >40 To 110, Deduct	-1.53	
For >110, Deduct	-3.05	
For Built In Proximity Tags, Add	6.10	
28 16 11 00-0041 Accessories For RF Receivers, Exterior Stand Alone Access Controls (28 16 11 00-0028)		
28 16 11 00-0042 EA Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls.....	115.08	38.28
Note: Includes 15' of coax cable.		
28 16 11 00-0043 EA Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls.....	237.06	38.28
Note: Includes 20' of coax cable.		
28 16 11 00-0044 EA Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls.....	214.59	38.28
Note: Includes 15' of coax cable.		
28 16 11 00-0045 Proximity Card Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0046 Exterior Mount, Proximity Card Controls, Stand Alone Access Controls (28 16 11 00-0045) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047 DKS Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0048 DKS Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0047)		
28 16 11 00-0049 EA DKS Proximity Card Reader, Exterior Stand Alone Access Controls.....	623.70	51.04
28 16 11 00-0050 AWID Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0051 AWID Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0050)		
28 16 11 00-0052 EA AWID Proximity Card Reader, Exterior Stand Alone Access Controls.....	679.88	51.04
28 16 11 00-0053 HID Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0054 HID Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0053)		
28 16 11 00-0055 EA HID Proximity Card Reader, Exterior Stand Alone Access Controls.....	808.28	51.04
28 16 11 00-0056 Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0057 Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0056)		
28 16 11 00-0058 EA Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	366.90	51.04
28 16 11 00-0059 Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0056) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060 EA Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	457.53	51.04
28 16 11 00-0061 Other Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0062 EA Toggle Switch, Interior Access Controls For Gate Operators.....	61.63	12.76
Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0063 Wiegand Output Access Controls (28 16 11) Note: Excludes controllers.		

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 16 11 00-0064	Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0063)		
28 16 11 00-0065	DKS, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0066	DKS, Proximity Cards (28 16 11 00-0065)		
28 16 11 00-0067	EA Clamshell Type, DKS Proximity Card (DKS 170).....	4.27	
28 16 11 00-0068	EA ISO Compliant Graphics Card, DKS Proximity Card (DKS 80).....	7.04	
28 16 11 00-0069	EA DKS Proximity Key Fob (DKS 50).....	7.42	
28 16 11 00-0070	EA Active Tag, DKS Proximity Tag (DKS 150).....	41.94	
	Note: Battery powered tag to boost signal.		
28 16 11 00-0071	EA Active Tag, DKS Proximity Tag (DKS 200).....	54.68	
	Note: Battery powered tag to boost signal.		
28 16 11 00-0072	DKS, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0073	EA Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	212.98	63.80
28 16 11 00-0074	EA Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion).....	212.98	63.80
28 16 11 00-0075	EA Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang).....	212.98	63.80
28 16 11 00-0076	EA Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS).....	612.94	63.80
	Note: Includes mounting bracket and 12 VDC regulated power supply.		
28 16 11 00-0077	AWID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0078	AWID, Proximity Cards (28 16 11 00-0077)		
28 16 11 00-0079	EA Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS).....	3.60	
28 16 11 00-0080	EA ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR).....	5.62	
28 16 11 00-0081	EA AWID Proximity Key Fob (AWID Prox-Linc KT).....	5.99	
28 16 11 00-0082	EA Windshield Tag For LR 2000 Readers, AWID Proximity Tag.....	20.97	
28 16 11 00-0083	EA Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag.....	20.97	
28 16 11 00-0084	AWID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0077)		
28 16 11 00-0085	EA Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400).....	262.41	63.80
	Note: For mullion mounting.		
28 16 11 00-0086	EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800).....	370.27	63.80
	Note: For mullion mounting.		
28 16 11 00-0087	EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820).....	370.27	63.80
	Note: For single gang electrical box mounting.		
28 16 11 00-0088	EA Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824).....	614.44	63.80
	Note: Includes 12 VDC regulated power supply.		
28 16 11 00-0089	EA Up To 11" Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000).....	3,544.53	63.80
	Note: Includes mounting bracket and 12 VDC regulated power supply.		
28 16 11 00-0090	HID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0091	HID, Proximity Cards (28 16 11 00-0090)		
28 16 11 00-0092	EA Clamshell Type, HID Proximity Card (HID ProxCard II).....	8.16	
28 16 11 00-0093	EA ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II).....	10.86	
28 16 11 00-0094	EA HID Proximity Key Fob (HID ProxKey II).....	11.16	
28 16 11 00-0095	HID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0090)		
28 16 11 00-0096	EA Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus).....	262.59	63.80
	Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0097	EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II).....	317.14	63.80
	Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0098	EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx).....	358.04	63.80
	Note: For mullion mounting. (HID P/N 5365).		
28 16 11 00-0099	EA EntryProx Single-Door Proximity Access Control.....	468.50	63.80
	Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		
28 16 11 00-0100	Contactless Smart Card Controls, Wiegand Output Access Controls (28 16 11 00-0063)		
28 16 11 00-0101	HID, Contactless Smart Cards (28 16 11 00-0100)		
28 16 11 00-0102	EA 2K Bits, Clamshell Type, HID iClass, Contactless Smart Card.....	6.59	
28 16 11 00-0103	EA 16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card.....	7.20	
28 16 11 00-0104	EA 16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card.....	9.42	
28 16 11 00-0105	EA 16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card.....	5.10	
	Note: Battery powered tag to boost signal.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0106 HID, Contactless Smart Card Readers, Wiegand Output Access Controls ^(28 16 11 00-0100)		
28 16 11 00-0107 EA Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10).....	246.47	63.80
Note: For mullion mounting.		
28 16 11 00-0108 EA Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40).....	345.33	63.80
Note: For mullion mounting.		
28 16 11 00-0109 EA Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40).....	567.79	63.80
Note: For mullion mounting.		
28 16 11 00-0110 HID, Contactless Smart Card Programmer, Wiegand Output Access Controls ^(28 16 11 00-0100)		
28 16 11 00-0111 EA HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400).....	1,818.94	63.80
Note: For mullion mounting.		
28 16 11 00-0112 Call Station Controls, Wiegand Output Access Controls ^(28 16 11 00-0063)		
Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0113 EA Call Station With Entry Keypad, Exterior Wiegand Output Access Controls.....	705.39	63.80
Note: For mullion mounting.		
28 16 11 00-0114 EA Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls.....	585.01	63.80
Note: For mullion mounting.		
28 16 11 00-0115 Biometrics Readers, Wiegand Output Access Controls ^(28 16 11 00-0063)		
28 16 11 00-0116 EA Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls.....	3,232.84	51.04
28 16 11 00-0117 EA CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls.....	3,952.27	51.04
28 16 11 00-0118 EA Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls.....	1,548.16	51.04
28 16 11 00-0119 EA Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass).....	920.10	51.04
28 16 11 00-0120 EA Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox).....	1,026.02	51.04
28 16 11 00-0121 EA Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart).....	920.10	51.04
28 16 11 00-0122 Exterior Mounting Posts For Gate Operator Access Controls ^(28 16 11)		
Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0123 2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls ^(28 16 11 00-0122)		
28 16 11 00-0124 EA 44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	184.76	6.50
Note: Includes a 5" x 5" base plate.		
28 16 11 00-0125 EA 73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	374.14	6.50
Note: Includes an 8" x 8" base plate.		
28 16 11 00-0126 EA Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	165.50	6.50
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0127 4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls ^(28 16 11 00-0122)		
28 16 11 00-0128 EA 59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	343.65	6.50
Note: Includes an 8" x 8" base plate.		
28 16 11 00-0129 EA 49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	414.27	6.50
Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		
28 16 11 00-0130 EA Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	245.74	6.50
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0131 4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls ^(28 16 11 00-0122)		
28 16 11 00-0132 EA 59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,160.60	6.50
Note: Includes a 11" x 13" base plate.		
28 16 11 00-0133 EA 50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,216.77	6.50
Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		
28 16 11 00-0134 EA Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	486.50	6.50
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0135 EA 48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	791.44	6.50
28 16 11 00-0136 Access Control Accessories ^(28 16 11)		
28 16 11 00-0137 EA Modem: Multitech, Mt2834L.....	1,354.54	
28 16 11 00-0138 EA 6 Volt DC, 12 Volt DC, Or 24 Volt DC, @ 4 Amps, Power Supply/Charger (Altronix SMP-5).....	340.41	
28 16 11 00-0139 EA 12 Volt, 7 Amp, Battery.....	47.14	
28 16 11 00-0140 EA 12 Volt, 18 Amp, Battery.....	105.07	
28 16 11 00-0141 EA Door Personality Module (Sensormatic RM-4).....	372.33	12.76
28 16 11 00-0142 EA Mini-Alert Door Ajar Sounder (System Sensor PA400).....	140.68	25.52
28 16 11 00-0143 EA Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C).....	42.85	15.32
28 16 11 00-0144 EA Access Control Systems Power Supply (Altronix AL400ULACMCB).....	422.55	10.21
28 16 11 00-0145 EA Surge Suppressor (Tripp-Lite IBAR4).....	63.05	2.56
28 16 11 00-0146 EA Door Strike Relay (Altronix RBSN-TTL).....	38.29	10.21

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 16 11 00-0147		Access Controllers <small>(28 16 11)</small>		
28 16 11 00-0148		Microterm Controller <small>(28 16 11 00-0147)</small>		
28 16 11 00-0149	EA	Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100).....	943.31	63.80
		Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.		
28 16 11 00-0150	EA	Microterm PC Board (Continental Instruments CICIP1100PCB)	695.87	38.28
28 16 11 00-0151	EA	Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2)	339.50	
		Note: Input 120VAC, output 12VDC to temporarily power the Microterm only.		
28 16 11 00-0152		Miniterm Controller <small>(28 16 11 00-0147)</small>		
28 16 11 00-0153	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200)	1,503.34	63.80
		Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0154	EA	Miniterm PC Board (Continental Instrument CICIP1200PCB)	1,153.60	38.28
28 16 11 00-0155		Super-2 Controller <small>(28 16 11 00-0147)</small>		
28 16 11 00-0156	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300)	1,100.70	63.80
		Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0157	EA	Super-Two - PC Board (Continental Instruments CICIP1300BD)	768.78	38.28
28 16 11 00-0158	EA	Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD).....	198.71	38.28
		Note: Optional on-board adapter allows for communication over TCP/IP.		
28 16 11 00-0159		Smarterm Controller <small>(28 16 11 00-0147)</small>		
28 16 11 00-0160	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400)	3,199.62	76.56
		Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0161	EA	Smarterm PC Board (Continental Instrument CICIP1400PCB)	2,487.83	38.28
28 16 11 00-0162	EA	Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1)	956.12	38.28
		Note: Up to 10,000 cardholders.		
28 16 11 00-0163	EA	Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1).....	1,367.54	38.28
		Note: Up to 50,000 cardholders.		
28 16 11 00-0164	EA	Smarterm Relay Expander Board (Continental Instrument CICIP1400RB)	1,059.25	38.28
		Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0165	EA	Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB)	1,059.25	38.28
		Note: (Supervised) 16 alarm inputs.		
28 16 11 00-0166		Superterm-4 Controller <small>(28 16 11 00-0147)</small>		
28 16 11 00-0167	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL).....	2,948.56	76.56
		Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0168	EA	Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	2,445.63	38.28
28 16 11 00-0169		Superterm-8 Controller <small>(28 16 11 00-0147)</small>		
28 16 11 00-0170	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800)	3,905.09	127.59
		Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0171	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP)	4,247.94	127.59
		Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0172	EA	Superterm-8 PC Board (Continental Instrument CICIP1800PCB)	3,300.09	38.28
28 16 11 00-0173		Turbo Superterm-4 Controller <small>(28 16 11 00-0147)</small>		
28 16 11 00-0174	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT).....	2,948.56	76.56
		Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0175	EA	Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB)	2,445.63	38.28
28 16 11 00-0176		Turbo Superterm-8 Controller <small>(28 16 11 00-0147)</small>		
28 16 11 00-0177	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T).....	3,905.09	127.59
		Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 16 11 00-0178	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP)	4,247.94	127.59
		Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 16 11 00-0179	EA	Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB).....	3,300.09	38.28
28 16 11 00-0180	EA	Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2)	1,367.54	38.28
		Note: Up to 140,000 cardholders.		
28 16 11 00-0181	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2)	1,148.11	38.28
		Note: Up to 140,000 cardholders.		
28 16 11 00-0182	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB).....	1,060.36	38.28
		Note: 16 Output relays, 8 alarm inputs.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0183 EA Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB).....	1,060.36	38.28
Note: (Supervised) 16 Alarm inputs.		
28 16 11 00-0184 EA Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIPXPWS)	439.77	
28 16 11 00-0185 Access Control Bundled System (28 16 11)		
28 16 11 00-0186 EA CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0)	21,634.28	
Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.		
28 16 11 00-0187 Magnetic Locks (28 16 11)		
Note: Excludes access controls.		
28 16 11 00-0188 Magnetic Door Locks (28 16 11 00-0187)		
28 16 11 00-0189 300 LB Magnetic Door Locks (28 16 11 00-0188)		
28 16 11 00-0190 EA Single Door, Surface Mount, 300 LB Magnetic Door Lock.....	293.08	51.04
28 16 11 00-0191 600 LB Magnetic Door Locks (28 16 11 00-0188)		
28 16 11 00-0192 EA Single Door, Surface Mount, 600 LB Magnetic Door Lock.....	425.49	51.04
For LED Status Indicator And Signal Relay, Add	40.43	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	80.85	
For Mortise Mount, Deduct	-64.68	
28 16 11 00-0193 EA Dual Doors, Surface Mount, 600 LB Magnetic Door Lock	642.96	51.04
For LED Status Indicator And Signal Relay, Add	67.61	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	135.22	
28 16 11 00-0194 1,200 LB Magnetic Door Locks (28 16 11 00-0188)		
28 16 11 00-0195 EA Single Door, Surface Mount, 1,200 LB Magnetic Door Lock.....	445.55	51.04
For LED Status Indicator And Signal Relay, Add	79.00	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	103.04	
28 16 11 00-0196 EA Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock	686.30	51.04
For LED Status Indicator And Signal Relay, Add	134.37	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	175.27	
28 16 11 00-0197 2,000 LB Shear Lock, Magnetic And Mechanical Locks (28 16 11 00-0188)		
Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0198 EA Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock.....	467.22	51.04
28 16 11 00-0199 Magnetic Gate Locks (28 16 11 00-0187)		
28 16 11 00-0200 600 LB Magnetic Gate Locks (28 16 11 00-0199)		
28 16 11 00-0201 EA 600 LB Magnetic Gate Lock.....	346.04	51.04
28 16 11 00-0202 1,200 LB Magnetic Gate Locks (28 16 11 00-0199)		
28 16 11 00-0203 EA 1,200 LB Magnetic Gate Lock.....	419.07	51.04
For LED Status Indicator And Signal Relay, Add	39.62	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	79.25	
For Mortise Mount, Deduct	-63.40	
28 16 11 00-0204 Magnetic Lock Power Supply And Chargers (28 16 11 00-0187)		
Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0205 EA 12/24 Volt DC At 1 Amp, Magnetic Lock Backup Power Supply And Charger.....	252.61	51.04
28 16 11 00-0206 EA 12/24 Volt DC At 2-1/2 Amp, Magnetic Lock Backup Power Supply And Charger	325.37	51.04
28 16 11 00-0207 EA 12 Volt DC At 4 Amp And 24 Volt DC At 3 Amp, Magnetic Lock Backup Power Supply And Charger	368.17	51.04
28 16 11 00-0208 EA 12/24 Volt DC At 6 Amp, Magnetic Lock Backup Power Supply And Charger.....	466.61	51.04
28 16 11 00-0209 Master Door Buzzer Stations (28 16 11)		
28 16 11 00-0210 Master Stations (28 16 11 00-0209)		
28 16 11 00-0211 EA Master Stations, 5 Station Intercommunication Equipment	595.04	79.62
28 16 11 00-0212 EA Master Stations, 10 Station Intercommunication Equipment	869.57	154.14
28 16 11 00-0213 EA Master Station, Desk Style Remote Intercommunication Equipment.....	251.82	39.81
28 16 11 00-0214 EA Master Station, Flush Wall Remote Intercommunication Equipment	311.16	66.35
28 16 11 00-0215 EA Sound System Outlet, Protector	73.51	25.97
28 16 11 00-0216 EA Sound System Microphone Outlet.....	123.09	53.18
28 16 11 00-0217 EA Sound System Speaker Ceiling Or Wall	104.66	25.97
28 16 11 00-0218 EA Sound System Monitor Panel	321.97	53.18
28 16 11 00-0219 EA Sound System Volume Control.....	87.88	25.97
28 16 11 00-0220 EA Sound System Amplifier 250 W	1,513.30	212.67
28 16 11 00-0221 EA Sound System Cabinet.....	820.65	212.67
28 16 11 00-0222 Master Door Stations (28 16 11 00-0209)		
28 16 11 00-0223 EA Master Door Stations, Button Buzzer Type, 25 Station.....	1,162.80	
For Intercom Type Master Door Station, Add	119.63	
28 16 11 00-0224 EA Master Door Stations, Button Buzzer Type, 50 Station.....	1,921.94	
For Intercom Type Master Door Station, Add	193.79	

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 16 11 00-0225	EA	Master Door Stations, Button Buzzer Type, 75 Station.....	2,624.43	
		<i>For Intercom Type Master Door Station, Add</i>	251.21	
28 16 11 00-0226	EA	Master Door Stations, Button Buzzer Type, 100 Station.....	3,006.25	
		<i>For Intercom Type Master Door Station, Add</i>	294.28	
28 16 11 00-0227	EA	Master Door Stations, Button Buzzer Type, 150 Station.....	3,713.99	
		<i>For Intercom Type Master Door Station, Add</i>	430.65	
28 16 11 00-0228	EA	Master Door Stations, Button Buzzer Type, 200 Station.....	4,402.11	
		<i>For Intercom Type Master Door Station, Add</i>	555.06	
28 16 11 00-0229	EA	Master Door Stations, Button Buzzer Type, 250 Station.....	5,558.65	
		<i>For Intercom Type Master Door Station, Add</i>	717.75	
28 16 11 00-0230	EA	Master Door Stations, Button Buzzer Type, 300 Station.....	6,609.93	
		<i>For Intercom Type Master Door Station, Add</i>	823.02	
28 16 11 00-0231	EA	Transformer	82.14	
28 16 11 00-0232	EA	Door Opener	121.20	
28 16 11 00-0233	EA	Buzzer With Door Release And Plate	146.74	
28 16 11 00-0234	EA	Amplifier For Intercom Type Unit	264.21	
28 16 11 00-0235	EA	Speaker With Door Release	108.06	

28 18 Security Access Detection Equipment (28 10)**28 18 11 Security Access Metal Detectors** (28 18)

28 18 11 00-0001	EA	Hand-Held Metal Detector	214.34	12.76
28 18 11 00-0002	EA	Walk-Through Metal Detector, Complete Unit	5,174.06	204.15

28 20 Video Surveillance (28)

Note: Includes testing of new devices and certification.

28 21 Surveillance Cameras (28 20)

28 21 00 00-0001		Closed Circuit Television And Surveillance Systems (Pelco) (28 21)		
		Note: Includes programming of equipment, testing of new devices and certification.		
28 21 00 00-0002		Cameras And Accessories (28 21 00 00-0001)		
28 21 00 00-0003		Cameras (28 21 00 00-0002)		
28 21 00 00-0004		1/3" Format Cameras (28 21 00 00-0003)		
28 21 00 00-0005		High Resolution Color, 1/3" Format Cameras (28 21 00 00-0004)		
28 21 00 00-0006	EA	Extended Dynamic Range, High Resolution Color, 1/3" Format Camera (Pelco CC3701H-2)	346.51	12.79
28 21 00 00-0007	EA	Low Light, Digital Slow Shutter, High Resolution Color, 1/3" Format Camera (Pelco CC3751H-2)	470.13	12.79
28 21 00 00-0008		Compact, 1/3" Format Cameras (28 21 00 00-0003)		
28 21 00 00-0009		High Resolution Color, Compact, 1/3" Format Cameras (28 21 00 00-0008)		
28 21 00 00-0010	EA	Wide Dynamic Range, High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco CCC1390H)	566.01	12.79
28 21 00 00-0011	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	460.62	12.79
28 21 00 00-0012		Day/Night, Compact, 1/3" Format Cameras (28 21 00 00-0008)		
28 21 00 00-0013	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	263.31	12.79
28 21 00 00-0014		Camerapaks (28 21 00 00-0002)		
		Note: Includes camera and lens.		
28 21 00 00-0015		Camerapaks (28 21 00 00-0014)		
28 21 00 00-0016		High Resolution Color, Camerapaks (28 21 00 00-0015)		
28 21 00 00-0017		Fixed Focus, High Resolution Color, Camerapaks (28 21 00 00-0016)		
28 21 00 00-0018		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 00 00-0017)		
28 21 00 00-0019	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	348.89	12.79
28 21 00 00-0020	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	326.70	12.79
28 21 00 00-0021	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	316.40	12.79
28 21 00 00-0022	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	314.02	12.79
28 21 00 00-0023		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 00 00-0017)		
28 21 00 00-0024	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	382.17	12.79
28 21 00 00-0025	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	348.89	12.79
28 21 00 00-0026	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	340.97	12.79
28 21 00 00-0027	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	334.63	12.79
28 21 00 00-0028		Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0016)		
28 21 00 00-0029		Manual Iris, Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0028)		
28 21 00 00-0030	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	414.66	12.79
28 21 00 00-0031	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	371.87	12.79
28 21 00 00-0032	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	337.00	12.79
28 21 00 00-0033	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	322.74	12.79
28 21 00 00-0034	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	375.83	12.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 21 00 00-0035	Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0028)	
28 21 00 00-0036	EA 1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A).....	449.52 12.79
28 21 00 00-0037	EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A).....	420.21 12.79
28 21 00 00-0038	EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A).....	370.28 12.79
28 21 00 00-0039	EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A).....	328.29 12.79
28 21 00 00-0040	EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A).....	392.47 12.79
28 21 00 00-0041	EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A).....	446.35 12.79
28 21 00 00-0042	EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A).....	515.29 12.79
28 21 00 00-0043	Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0028)	
28 21 00 00-0044	EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A).....	346.51 12.79
28 21 00 00-0045	EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A).....	418.62 12.79
28 21 00 00-0046	High Resolution Day/Night, Camerapaks (28 21 00 00-0015)	
28 21 00 00-0047	Varifocal, High Resolution Day/Night, Camerapaks (28 21 00 00-0046)	
28 21 00 00-0048	Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (21 00 00-0047)	
28 21 00 00-0049	EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A).....	722.90 12.79
28 21 00 00-0050	EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A).....	672.98 12.79
28 21 00 00-0051	EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A).....	630.98 12.79
28 21 00 00-0052	EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A).....	695.17 12.79
28 21 00 00-0053	EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A).....	749.05 12.79
28 21 00 00-0054	EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A).....	817.20 12.79
28 21 00 00-0055	Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 00 00-0047)	
28 21 00 00-0056	EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A).....	649.21 12.79
28 21 00 00-0057	EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A).....	721.32 12.79
28 21 00 00-0058	Compact Camerapaks (28 21 00 00-0014)	
28 21 00 00-0059	High Resolution Color, Compact Camerapaks (28 21 00 00-0058)	
28 21 00 00-0060	DSS, High Resolution Color, Compact Camerapaks (28 21 00 00-0059)	
28 21 00 00-0061	Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 00 00-0060)	
28 21 00 00-0062	Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 00 00-0061)	
28 21 00 00-0063	EA 2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	555.71 12.79
28 21 00 00-0064	EA 2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	533.52 12.79
28 21 00 00-0065	EA 4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	522.42 12.79
28 21 00 00-0066	EA 8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	520.05 12.79
28 21 00 00-0067	Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 00 00-0061)	
28 21 00 00-0068	EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	588.19 12.79
28 21 00 00-0069	EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	555.71 12.79
28 21 00 00-0070	EA 4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	547.78 12.79
28 21 00 00-0071	EA 8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	541.44 12.79
28 21 00 00-0072	Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0060)	
28 21 00 00-0073	Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0072)	
28 21 00 00-0074	EA 1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	621.47 12.79
28 21 00 00-0075	EA 2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	577.89 12.79
28 21 00 00-0076	EA 2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	543.82 12.79
28 21 00 00-0077	EA 3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	529.56 12.79
28 21 00 00-0078	EA 5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	581.85 12.79
28 21 00 00-0079	EA 5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	615.93 12.79
28 21 00 00-0080	EA 5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	696.75 12.79
28 21 00 00-0081	Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0072)	
28 21 00 00-0082	EA 1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	655.55 12.79
28 21 00 00-0083	EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	627.02 12.79
28 21 00 00-0084	EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	577.10 12.79
28 21 00 00-0085	EA 3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	534.31 12.79
28 21 00 00-0086	EA 5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	599.29 12.79
28 21 00 00-0087	EA 5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	653.17 12.79

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0088	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	721.32	12.79
28 21 00 00-0089			Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0072)</small>		
28 21 00 00-0090	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	553.33	12.79
28 21 00 00-0091	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	625.44	12.79
28 21 00 00-0092			EDR, High Resolution Color, Compact Camerapaks <small>(28 21 00 00-0059)</small>		
28 21 00 00-0093			Fixed Focus, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0092)</small>		
28 21 00 00-0094			Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0093)</small>		
28 21 00 00-0095	EA		2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	555.71	12.79
28 21 00 00-0096	EA		2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	409.90	12.79
28 21 00 00-0097	EA		4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	398.81	12.79
28 21 00 00-0098	EA		8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	396.43	12.79
28 21 00 00-0099			Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0093)</small>		
28 21 00 00-0100	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	464.58	12.79
28 21 00 00-0101	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	432.09	12.79
28 21 00 00-0102	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	424.17	12.79
28 21 00 00-0103	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	424.17	12.79
28 21 00 00-0104			Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0092)</small>		
28 21 00 00-0105			Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0104)</small>		
28 21 00 00-0106	EA		1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	497.86	12.79
28 21 00 00-0107	EA		2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	454.28	12.79
28 21 00 00-0108	EA		2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	420.21	12.79
28 21 00 00-0109	EA		3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	405.94	12.79
28 21 00 00-0110	EA		5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	458.24	12.79
28 21 00 00-0111	EA		5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	492.31	12.79
28 21 00 00-0112	EA		5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	573.14	12.79
28 21 00 00-0113			Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0104)</small>		
28 21 00 00-0114	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A)	531.93	12.79
28 21 00 00-0115	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A)	503.41	12.79
28 21 00 00-0116	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A)	452.69	12.79
28 21 00 00-0117	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A)	410.70	12.79
28 21 00 00-0118	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A)	475.67	12.79
28 21 00 00-0119	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A)	529.56	12.79
28 21 00 00-0120	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A)	597.70	12.79
28 21 00 00-0121			Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks <small>(28 21 00 00-0104)</small>		
28 21 00 00-0122	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	429.71	12.79
28 21 00 00-0123	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	501.82	12.79
28 21 00 00-0124			High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0058)</small>		
28 21 00 00-0125			Fixed Focus, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0124)</small>		
28 21 00 00-0126			Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0125)</small>		
28 21 00 00-0127	EA		8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8).....	511.33	12.79
28 21 00 00-0128			DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0125)</small>		
28 21 00 00-0129	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A).....	579.48	12.79
28 21 00 00-0130	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A).....	546.20	12.79
28 21 00 00-0131			Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0124)</small>		
28 21 00 00-0132			Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0131)</small>		
28 21 00 00-0133	EA		2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	534.31	12.79
28 21 00 00-0134	EA		3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	520.05	12.79
28 21 00 00-0135	EA		5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	607.21	12.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0136 Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0131)</small>		
28 21 00 00-0137 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	617.51	12.79
28 21 00 00-0138 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	567.59	12.79
28 21 00 00-0139 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	525.59	12.79
28 21 00 00-0140 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	589.78	12.79
28 21 00 00-0141 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	643.66	12.79
28 21 00 00-0142 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	712.60	12.79
28 21 00 00-0143 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0131)</small>		
28 21 00 00-0144 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	543.82	12.79
28 21 00 00-0145 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	615.93	12.79
28 21 00 00-0146 Camera Systems <small>(28 21 00 00-0002)</small>		
28 21 00 00-0147 Camera Dome Systems <small>(28 21 00 00-0146)</small>		
28 21 00 00-0148 Spectra®, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0147)</small>		
28 21 00 00-0149 Spectra®, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0148)</small> Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 00 00-0150 Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0149)</small>		
28 21 00 00-0151 Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0150)</small>		
28 21 00 00-0152 EA 22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	2,235.96	76.76
28 21 00 00-0153 EA 22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	2,560.84	76.76
28 21 00 00-0154 EA 22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	2,706.64	76.76
28 21 00 00-0155 EA 22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	3,796.99	76.76
28 21 00 00-0156 Color, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0150)</small>		
28 21 00 00-0157 EA 16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	1,867.49	76.76
28 21 00 00-0158 EA 16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	2,031.52	76.76
28 21 00 00-0159 EA 16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	2,178.11	76.76
28 21 00 00-0160 EA 16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	2,262.11	76.76
28 21 00 00-0161 EA 16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	2,262.11	76.76
28 21 00 00-0162 EA 22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	2,375.42	76.76
28 21 00 00-0163 EA 22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	2,701.10	76.76
28 21 00 00-0164 EA 22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	2,847.69	76.76
28 21 00 00-0165 EA 22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	2,931.68	76.76
28 21 00 00-0166 EA 22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	2,931.68	76.76
28 21 00 00-0167 Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0150)</small>		
28 21 00 00-0168 EA 23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	2,781.92	76.76
28 21 00 00-0169 EA 23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	3,107.60	76.76
28 21 00 00-0170 EA 23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	3,254.19	76.76
28 21 00 00-0171 EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	3,338.19	76.76
28 21 00 00-0172 EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	3,338.19	76.76
28 21 00 00-0173 Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0150)</small>		
28 21 00 00-0174 EA 18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	2,515.67	76.76
28 21 00 00-0175 EA 18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	2,680.49	76.76
28 21 00 00-0176 EA 18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	2,826.30	76.76
28 21 00 00-0177 EA 18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	2,910.29	76.76
28 21 00 00-0178 EA 18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	2,910.29	76.76
28 21 00 00-0179 EA 35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	3,048.96	76.76
28 21 00 00-0180 EA 35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	3,308.07	76.76
28 21 00 00-0181 EA 35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	3,453.88	76.76
28 21 00 00-0182 EA 35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	3,537.87	76.76
28 21 00 00-0183 EA 35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	3,537.87	76.76
28 21 00 00-0184 Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0149)</small>		
28 21 00 00-0185 Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0184)</small>		

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

City of Miami

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0186 EA 16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF).....	2,459.41	76.76
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0187 EA 16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP).....	2,600.46	76.76
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0188 EA 16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE).....	2,712.98	76.76
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0189 EA 22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF).....	3,079.86	76.76
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0190 EA 22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP).....	3,220.91	76.76
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0191 EA 22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE).....	3,334.22	76.76
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0192 Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0184)		
28 21 00 00-0193 EA 18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF).....	3,107.60	76.76
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0194 EA 18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP).....	3,248.64	76.76
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0195 EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE).....	3,361.96	76.76
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0196 EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF).....	3,686.84	76.76
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0197 EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP).....	3,827.10	76.76
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0198 EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE).....	3,940.41	76.76
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0199 Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0149)		
28 21 00 00-0200 Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0199)		
28 21 00 00-0201 EA 18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE).....	4,148.02	76.76
28 21 00 00-0202 EA 35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE).....	4,727.26	76.76
28 21 00 00-0203 Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0149)		
28 21 00 00-0204 Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0203)		
28 21 00 00-0205 EA 22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE).....	3,591.75	76.76
28 21 00 00-0206 Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0203)		
28 21 00 00-0207 EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE).....	3,111.56	76.76
28 21 00 00-0208 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....	3,732.80	76.76
28 21 00 00-0209 Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0203)		
28 21 00 00-0210 EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....	4,139.30	76.76
28 21 00 00-0211 Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0203)		
28 21 00 00-0212 EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....	3,760.53	76.76
28 21 00 00-0213 EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....	4,338.99	76.76
28 21 00 00-0214 Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 00 00-0149)		
28 21 00 00-0215 Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 00 00-0214)		
28 21 00 00-0216 EA 10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B).....	1,371.45	76.76
28 21 00 00-0217 Spectra® IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0148)		
Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 00 00-0218 Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0217)		
28 21 00 00-0219 Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 00 00-0218)		
28 21 00 00-0220 EA 16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....	2,623.44	76.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0221 EA 16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....	2,770.03	76.76
28 21 00 00-0222 EA 16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E).....	2,854.03	76.76
28 21 00 00-0223 EA 16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....	2,854.03	76.76
28 21 00 00-0224 EA 22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1).....	3,293.02	76.76
28 21 00 00-0225 EA 22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1).....	3,439.61	76.76
28 21 00 00-0226 EA 22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1).....	3,523.61	76.76
28 21 00 00-0227 EA 22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1).....	3,523.61	76.76
28 21 00 00-0228 Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0218)</small>		
28 21 00 00-0229 EA 23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1).....	3,699.52	76.76
28 21 00 00-0230 EA 23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1).....	3,846.11	76.76
28 21 00 00-0231 EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1).....	3,930.11	76.76
28 21 00 00-0232 EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1).....	3,930.11	76.76
28 21 00 00-0233 Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0217)</small>		
28 21 00 00-0234 Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0233)</small>		
28 21 00 00-0235 EA 16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1).....	3,051.34	76.76
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0236 EA 16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1).....	3,192.38	76.76
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0237 EA 16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1).....	3,304.90	76.76
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0238 EA 22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1).....	3,671.79	76.76
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0239 EA 22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1).....	3,812.83	76.76
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0240 EA 22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1).....	3,926.15	76.76
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0241 Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0233)</small>		
28 21 00 00-0242 EA 18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1).....	3,699.52	76.76
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0243 EA 18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1).....	3,840.57	76.76
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0244 EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1).....	3,953.88	76.76
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0245 EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1).....	4,278.76	76.76
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0246 EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1).....	4,419.02	76.76
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0247 EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1).....	4,532.33	76.76
<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0248 Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0217)</small>		
28 21 00 00-0249 Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 00 00-0248)</small>		
28 21 00 00-0250 EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1).....	3,703.48	76.76
28 21 00 00-0251 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1).....	4,324.72	76.76
28 21 00 00-0252 Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 00 00-0248)</small>		
28 21 00 00-0253 EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	4,731.22	76.76
28 21 00 00-0254 Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 00 00-0248)</small>		

28 Electronic Safety And Security

28 20 Video Surveillance

28 21 Surveillance Cameras



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0255 EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1).....	4,352.46	76.76
28 21 00 00-0256 EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	4,930.91	76.76
28 21 00 00-0257 Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems (28 21 00 00-0217)		
28 21 00 00-0258 Color, Miniature Spectra® IP Network, Mini Camera Dome Systems (28 21 00 00-0257)		
28 21 00 00-0259 EA 10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	1,753.39	76.76
28 21 00 00-0260 Spectra®, Pan/Tilt Dome Drives (28 21 00 00-0148) Note: Includes dome drive, camera and lens.		
28 21 00 00-0261 EA 10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4).....	1,286.43	63.97
28 21 00 00-0262 EA 10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N).....	1,666.78	63.97
28 21 00 00-0263 EA 22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22).....	2,136.67	63.97
28 21 00 00-0264 EA 16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16).....	1,656.48	63.97
28 21 00 00-0265 EA 22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22).....	2,276.93	63.97
28 21 00 00-0266 EA 18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18).....	2,304.66	63.97
28 21 00 00-0267 EA 23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23).....	2,683.43	63.97
28 21 00 00-0268 EA 35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35).....	2,883.91	63.97
28 21 00 00-0269 EA 35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35).....	2,883.91	63.97
28 21 00 00-0270 Accessories For Spectra® Pan/Tilt Camera Dome Systems (28 21 00 00-0148)		
28 21 00 00-0271 EA Upgrade To Chrome Lower Dome (Pelco Spectra).....	111.73	
28 21 00 00-0272 EA Upgrade To Gold Lower Dome (Pelco Spectra).....	145.80	
28 21 00 00-0273 EA Wall Mount For Spectra® Systems (Pelco IWM-BK).....	111.05	6.40
28 21 00 00-0274 EA 24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK).....	295.68	6.40
28 21 00 00-0275 EA Wall Arm Mount For Spectra® Systems (Pelco IDM4018).....	107.88	6.40
28 21 00 00-0276 EA Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS).....	316.28	6.40
28 21 00 00-0277 EA Pole Mount Adapter For Spectra® Systems (Pelco PA402).....	49.74	3.80
28 21 00 00-0278 Camclosure®, Camera Dome Systems (28 21 00 00-0147)		
28 21 00 00-0279 Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0278)		
28 21 00 00-0280 Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0279)		
28 21 00 00-0281 High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0280)		
28 21 00 00-0282 EA 12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12).....	434.83	76.76
28 21 00 00-0283 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22).....	482.38	76.76
28 21 00 00-0284 EA 12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12).....	549.73	76.76
28 21 00 00-0285 EA 12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12).....	549.73	76.76
28 21 00 00-0286 Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0280)		
28 21 00 00-0287 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22).....	558.45	76.76
28 21 00 00-0288 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22).....	620.25	76.76
28 21 00 00-0289 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22).....	620.25	76.76
28 21 00 00-0290 Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0280)		
28 21 00 00-0291 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22).....	658.29	76.76
28 21 00 00-0292 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22).....	811.22	76.76
28 21 00 00-0293 EA 9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22).....	811.22	76.76
28 21 00 00-0294 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0280)		
28 21 00 00-0295 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22).....	731.19	76.76
28 21 00 00-0296 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22).....	829.45	76.76
28 21 00 00-0297 Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0279)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0298 High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0297)</small>		
28 21 00 00-0299 EA 3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	533.43	51.17
28 21 00 00-0300 Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0297)</small>		
28 21 00 00-0301 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	622.97	51.17
28 21 00 00-0302 Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0297)</small>		
28 21 00 00-0303 EA 9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	694.28	51.17
28 21 00 00-0304 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0297)</small>		
28 21 00 00-0305 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	729.94	51.17
28 21 00 00-0306 Camclosure® IS Integrated Cameras <small>(28 21 00 00-0279)</small>		
28 21 00 00-0307 EA 12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	351.17	51.17
28 21 00 00-0308 EA 9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22).....	351.17	51.17
28 21 00 00-0309 EA 9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	421.70	51.17
28 21 00 00-0310 EA 9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	612.67	51.17
28 21 00 00-0311 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	630.89	51.17
28 21 00 00-0312 Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 00 00-0278)</small>		
28 21 00 00-0313 Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 00 00-0312)</small>		
28 21 00 00-0314 Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 00 00-0313)</small>		
28 21 00 00-0315 EA 12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	356.38	76.76
28 21 00 00-0316 EA 12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	390.46	76.76
28 21 00 00-0317 EA 12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	526.75	76.76
28 21 00 00-0318 EA 12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	526.75	76.76
28 21 00 00-0319 High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 00 00-0313)</small>		
28 21 00 00-0320 EA 3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	679.68	76.76
28 21 00 00-0321 Camclosure® ICS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0312)</small>		
28 21 00 00-0322 Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0321)</small>		
28 21 00 00-0323 EA 12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	475.58	51.17
28 21 00 00-0324 Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 00 00-0312)</small>		
28 21 00 00-0325 High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 00 00-0324)</small>		
28 21 00 00-0326 EA 9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	620.25	76.76
28 21 00 00-0327 Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 00 00-0324)</small>		
28 21 00 00-0328 EA 9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22).....	691.57	76.76
28 21 00 00-0329 Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 00 00-0324)</small>		
28 21 00 00-0330 EA 9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	781.11	76.76
28 21 00 00-0331 Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 00 00-0324)</small>		

28 Electronic Safety And Security

28 20 Video Surveillance

28 21 Surveillance Cameras



MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
28 21 00 00-0332	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV2)	.....	816.77	76.76
28 21 00 00-0333		Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0278)</small>			
28 21 00 00-0334		Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0333)</small>			
28 21 00 00-0335		High Resolution Color, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0334)</small>			
28 21 00 00-0336	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	.....	1,209.80	76.76
28 21 00 00-0337	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	.....	1,209.80	76.76
28 21 00 00-0338		Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0334)</small>			
28 21 00 00-0339	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	.....	1,308.06	76.76
28 21 00 00-0340	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	.....	1,308.06	76.76
28 21 00 00-0341		Day/Night, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0334)</small>			
28 21 00 00-0342	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	.....	1,459.41	76.76
28 21 00 00-0343	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	.....	1,459.41	76.76
28 21 00 00-0344		Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems <small>(28 21 00 00-0334)</small>			
28 21 00 00-0345	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	.....	1,566.38	76.76
28 21 00 00-0346	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	.....	1,566.38	76.76
28 21 00 00-0347		Accessories For Camclosure® Camera Dome Systems <small>(28 21 00 00-0278)</small>			
28 21 00 00-0348	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	.....	21.94	3.83
28 21 00 00-0349	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	.....	21.94	3.83
28 21 00 00-0350	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	.....	27.05	6.40
28 21 00 00-0351	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	.....	49.24	6.40
28 21 00 00-0352	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	.....	55.22	3.83
28 21 00 00-0353	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	.....	49.24	6.40
28 21 00 00-0354	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	.....	65.09	6.40
28 21 00 00-0355	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	.....	180.90	12.79
28 21 00 00-0356	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	.....	180.90	12.79
28 21 00 00-0357	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	.....	180.90	12.79
28 21 00 00-0358	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	.....	180.90	12.79
28 21 00 00-0359	EA	Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	.....	61.13	6.40
28 21 00 00-0360	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	.....	61.25	12.79
28 21 00 00-0361	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	.....	61.25	12.79
28 21 00 00-0362	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	.....	61.25	12.79
28 21 00 00-0363	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	.....	61.25	12.79
28 21 00 00-0364	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	.....	61.25	12.79
28 21 00 00-0365	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	.....	61.25	12.79
28 21 00 00-0366	EA	Surface Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS110-ENC)	.....	181.62	17.47
28 21 00 00-0367	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	.....	181.62	17.47
28 21 00 00-0368	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	.....	40.52	6.40
28 21 00 00-0369	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	.....	76.18	6.40
28 21 00 00-0370	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	.....	40.52	6.40
28 21 00 00-0371	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	.....	76.18	6.40
28 21 00 00-0372	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	.....	1,120.26	76.76
28 21 00 00-0373		Pan/Tilt Camera Systems <small>(28 21 00 00-0146)</small>			
28 21 00 00-0374		Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0373)</small> Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.			
28 21 00 00-0375		EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0374)</small>			
28 21 00 00-0376		Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0375)</small>			
28 21 00 00-0377	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	.....	3,330.95	115.15
28 21 00 00-0378	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	.....	3,807.18	115.15
28 21 00 00-0379	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	.....	4,467.25	115.15
28 21 00 00-0380	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	.....	3,433.17	115.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0381 EA 20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	3,930.80	115.15
28 21 00 00-0382 EA 30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	4,590.87	115.15
28 21 00 00-0383 Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 00 00-0375)		
28 21 00 00-0384 EA 10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W).....	3,363.44	115.15
28 21 00 00-0385 EA 20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	3,839.67	115.15
28 21 00 00-0386 EA 30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	4,499.74	115.15
28 21 00 00-0387 EA 10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	3,466.45	115.15
28 21 00 00-0388 EA 20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	3,963.29	115.15
28 21 00 00-0389 EA 30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	4,623.36	115.15
28 21 00 00-0390 Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0373)		
28 21 00 00-0391 DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0390)		
28 21 00 00-0392 Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0391)		
28 21 00 00-0393 EA 10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N)	3,454.57	115.15
28 21 00 00-0394 EA 20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N)	3,930.80	115.15
28 21 00 00-0395 EA 30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N)	4,590.87	115.15
28 21 00 00-0396 EA 10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	3,556.79	115.15
28 21 00 00-0397 EA 20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	4,054.41	115.15
28 21 00 00-0398 EA 30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	4,714.48	115.15
28 21 00 00-0399 Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0391)		
28 21 00 00-0400 EA 10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	3,487.05	115.15
28 21 00 00-0401 EA 20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	3,963.29	115.15
28 21 00 00-0402 EA 30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	4,623.36	115.15
28 21 00 00-0403 EA 10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	3,590.07	115.15
28 21 00 00-0404 EA 20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	4,086.90	115.15
28 21 00 00-0405 EA 30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	4,746.97	115.15
28 21 00 00-0406 Esprit® AJZ, Pan/Tilt Camera Systems (28 21 00 00-0373)		
28 21 00 00-0407 High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 00 00-0406)		
28 21 00 00-0408 Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 00 00-0407)		
28 21 00 00-0409 EA 6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)	3,247.75	115.15
28 21 00 00-0410 EA 5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)	3,723.98	115.15
28 21 00 00-0411 EA 5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)	4,384.05	115.15
28 21 00 00-0412 EA 6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN)	3,350.76	115.15
28 21 00 00-0413 EA 5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN)	3,847.60	115.15
28 21 00 00-0414 EA 5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)	4,507.67	115.15
28 21 00 00-0415 Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 00 00-0407)		
28 21 00 00-0416 EA 6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,281.03	115.15
28 21 00 00-0417 EA 5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	3,756.47	115.15
28 21 00 00-0418 EA 5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	4,417.33	115.15
28 21 00 00-0419 EA 6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	3,304.01	115.15
28 21 00 00-0420 EA 6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,383.25	115.15
28 21 00 00-0421 EA 5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	3,880.08	115.15
28 21 00 00-0422 EA 5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	4,540.95	115.15

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION		
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT	COST
28 21 00 00-0423		Esprit® AMZ, Pan/Tilt Camera Systems (28 21 00 00-0373)				
28 21 00 00-0424		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 00 00-0423)				
28 21 00 00-0425		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 00 00-0424)				
28 21 00 00-0426	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	3,921.29		115.15	
28 21 00 00-0427	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	4,581.36		115.15	
28 21 00 00-0428	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	3,548.07		115.15	
28 21 00 00-0429	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	4,044.90		115.15	
28 21 00 00-0430	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	4,704.97		115.15	
28 21 00 00-0431		Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 00 00-0424)				
28 21 00 00-0432	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	3,478.34		115.15	
28 21 00 00-0433	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	3,953.78		115.15	
28 21 00 00-0434	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	4,614.64		115.15	
28 21 00 00-0435	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	3,580.56		115.15	
28 21 00 00-0436	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	4,077.39		115.15	
28 21 00 00-0437	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	4,738.25		115.15	
28 21 00 00-0438		Esprit® KWZ, Pan/Tilt Camera Systems (28 21 00 00-0373)				
28 21 00 00-0439		Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 00 00-0438)				
28 21 00 00-0440		Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 00 00-0439)				
28 21 00 00-0441	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	4,686.75		115.15	
28 21 00 00-0442	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	3,652.67		115.15	
28 21 00 00-0443	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	4,810.36		115.15	
28 21 00 00-0444		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 00 00-0439)				
28 21 00 00-0445	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	3,582.93		115.15	
28 21 00 00-0446	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	4,720.03		115.15	
28 21 00 00-0447	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	3,685.95		115.15	
28 21 00 00-0448	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	4,182.78		115.15	
28 21 00 00-0449	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	4,843.64		115.15	
28 21 00 00-0450		Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0373)				
28 21 00 00-0451		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0450)				
28 21 00 00-0452		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0451)				
28 21 00 00-0453	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	3,914.95		115.15	
28 21 00 00-0454		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0451)				
28 21 00 00-0455	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	3,947.44		115.15	
28 21 00 00-0456		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0450)				
28 21 00 00-0457		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0456)				
28 21 00 00-0458	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	4,686.75		115.15	
28 21 00 00-0459	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	4,525.10		115.15	
28 21 00 00-0460	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	5,170.90		115.15	
28 21 00 00-0461		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0456)				
28 21 00 00-0462	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	4,718.44		115.15	
28 21 00 00-0463	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	4,525.10		115.15	
28 21 00 00-0464	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	5,206.56		115.15	
28 21 00 00-0465		Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0373)				
28 21 00 00-0466		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0465)				



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0467			Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0466)		
28 21 00 00-0468	EA		16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N).....	2,964.86	115.15
28 21 00 00-0469	EA		22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N).....	3,737.45	115.15
28 21 00 00-0470	EA		24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N).....	3,578.18	115.15
28 21 00 00-0471	EA		35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N).....	4,081.35	115.15
28 21 00 00-0472			Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0466)		
28 21 00 00-0473	EA		16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W).....	2,996.56	115.15
28 21 00 00-0474	EA		22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W).....	3,769.94	115.15
28 21 00 00-0475	EA		24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W).....	3,610.67	115.15
28 21 00 00-0476	EA		35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W).....	4,117.01	115.15
28 21 00 00-0477			Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0373)		
28 21 00 00-0478			Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0477)		
28 21 00 00-0479			Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0478)		
28 21 00 00-0480	EA		14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N).....	20,125.08	115.15
28 21 00 00-0481	EA		35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N).....	21,656.79	115.15
28 21 00 00-0482	EA		50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N).....	22,171.05	115.15
28 21 00 00-0483			Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0478)		
28 21 00 00-0484	EA		14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	20,158.36	115.15
28 21 00 00-0485	EA		35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W).....	21,689.27	115.15
28 21 00 00-0486	EA		50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W).....	22,203.54	115.15
28 21 00 00-0487			Accessories For Esprit® Pan/Tilt Camera Systems (28 21 00 00-0373)		
28 21 00 00-0488	EA		Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE).....	6.76	1.28
28 21 00 00-0489	EA		Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT).....	40.52	6.40
28 21 00 00-0490	EA		Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM).....	69.05	6.40
28 21 00 00-0491	EA		Wall Mount For High Security Enclosures (Pelco HSWM12).....	90.45	6.40
28 21 00 00-0492	EA		Ground Isolation Transformer (Pelco GIT100).....	237.09	17.47
28 21 00 00-0493	EA		High Security, Indoor Wedge Style Enclosure (Pelco HS2100).....	233.12	17.47
28 21 00 00-0494	EA		High Security, Indoor 10" Length Enclosure (Pelco HS3000).....	294.93	17.47
28 21 00 00-0495	EA		High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500).....	588.12	17.47
28 21 00 00-0496	EA		High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080).....	215.69	17.47
28 21 00 00-0497	EA		High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134).....	462.13	17.47
28 21 00 00-0498	EA		Bullet-Resistant, Outdoor Enclosure (Pelco HS4514).....	1,040.58	17.47
28 21 00 00-0499	EA		Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT).....	1,247.40	17.47
28 21 00 00-0500	EA		24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24).....	1,294.15	17.47
28 21 00 00-0501	EA		35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35).....	1,367.84	17.47
28 21 00 00-0502	EA		24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2).....	2,324.27	17.48
28 21 00 00-0503	EA		115/230 Volt AC, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5).....	2,324.27	17.47
28 21 00 00-0504	EA		24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N).....	2,348.04	17.47
28 21 00 00-0505	EA		120 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5N).....	2,348.04	17.47
28 21 00 00-0506	EA		24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W).....	2,381.32	17.47
28 21 00 00-0507	EA		120 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5W).....	2,381.32	17.47
28 21 00 00-0508	EA		30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30).....	4,406.70	17.47
28 21 00 00-0509	EA		30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P).....	4,530.31	17.47
28 21 00 00-0510	EA		Esprit® Camera Pole Mount Adapter (Pelco EPM).....	58.72	4.12
28 21 00 00-0511	EA		Pole Mount Adapter For Esprit® Systems (Pelco EPM).....	58.72	4.12
28 21 00 00-0512			Camera Lenses (28 21 00 00-0002)		
28 21 00 00-0513			Fixed Focus Camera Lenses (28 21 00 00-0512) Note: 1/3" format and manual focus.		
28 21 00 00-0514			Manual Iris, Fixed Focus Camera Lenses (28 21 00 00-0513)		
28 21 00 00-0515	EA		2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	109.60	6.01
28 21 00 00-0516	EA		2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8).....	87.41	6.01
28 21 00 00-0517	EA		4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	76.32	6.01
28 21 00 00-0518	EA		8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	73.94	6.01
28 21 00 00-0519			Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 00 00-0513) Note: Includes spot filter. Excludes amplifier.		
28 21 00 00-0520	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3).....	142.09	6.01
28 21 00 00-0521	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8).....	109.60	6.01
28 21 00 00-0522	EA		4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4).....	101.68	6.01
28 21 00 00-0523	EA		8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8).....	66.81	6.01
28 21 00 00-0524			Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 00 00-0513) Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 00 00-0525	EA		2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S).....	171.41	6.01
28 21 00 00-0526	EA		2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S).....	138.13	6.01
28 21 00 00-0527	EA		4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S).....	130.20	6.01

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 21 00 00-0528	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	123.86	6.01
28 21 00 00-0529		Varifocal Camera Lenses (28 21 00 00-0512) Note: 1/3" format and manual focus and zoom.		
28 21 00 00-0530		Manual Iris, Varifocal Camera Lenses (28 21 00 00-0529)		
28 21 00 00-0531	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	175.37	6.01
28 21 00 00-0532	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	131.79	6.01
28 21 00 00-0533	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	97.71	6.01
28 21 00 00-0534	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	83.45	6.01
28 21 00 00-0535	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	250.65	6.01
28 21 00 00-0536	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	135.75	6.01
28 21 00 00-0537	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	169.82	6.01
28 21 00 00-0538		Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 00 00-0529) Note: Includes spot filter.		
28 21 00 00-0539	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	209.44	6.01
28 21 00 00-0540	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6).....	180.92	6.01
28 21 00 00-0541	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	130.20	6.01
28 21 00 00-0542	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8).....	88.20	6.01
28 21 00 00-0543	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	275.21	6.01
28 21 00 00-0544	EA	5-40 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-40).....	153.18	6.01
28 21 00 00-0545	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50).....	207.06	6.01
28 21 00 00-0546		Video Drive Auto Iris, Varifocal Camera Lenses (28 21 00 00-0529) Note: Includes spot filter.		
28 21 00 00-0547	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S).....	238.76	6.01
28 21 00 00-0548	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S).....	209.44	6.01
28 21 00 00-0549	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S).....	117.52	6.01
28 21 00 00-0550	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S).....	235.59	6.01
28 21 00 00-0551		Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 00 00-0529)		
28 21 00 00-0552	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5).....	107.22	6.01
28 21 00 00-0553	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50).....	179.33	6.01
28 21 00 00-0554		Motorized Zoom Camera Lenses (28 21 00 00-0512) Note: 1/3" format.		
28 21 00 00-0555		Manual Iris, Motorized Zoom Camera Lenses (28 21 00 00-0554)		
28 21 00 00-0556	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8).....	450.33	6.01
28 21 00 00-0557	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10).....	567.61	6.01
28 21 00 00-0558	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15).....	606.43	6.01
28 21 00 00-0559		Direct Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 00 00-0554) Note: Includes spot filter.		
28 21 00 00-0560	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8).....	432.90	6.01
28 21 00 00-0561	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10).....	524.82	6.01
28 21 00 00-0562	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15).....	672.20	6.01
28 21 00 00-0563	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20).....	1,001.05	6.01
28 21 00 00-0564	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30).....	1,661.91	6.01
28 21 00 00-0565		Video Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 00 00-0554) Note: Includes spot filter.		
28 21 00 00-0566	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S).....	462.22	6.01
28 21 00 00-0567	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S).....	554.14	6.01
28 21 00 00-0568	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S).....	701.52	6.01
28 21 00 00-0569	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S).....	1,030.37	6.01
28 21 00 00-0570	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S).....	1,690.44	6.01
28 21 00 00-0571		Camera Power Supplies (28 21 00 00-0002)		
28 21 00 00-0572	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	24.49	5.12
28 21 00 00-0573	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000).....	48.27	5.12
28 21 00 00-0574	EA	2 Amp, 4 Outputs, Camera Power Supply (Pelco MCS4-2).....	108.43	10.23
28 21 00 00-0575	EA	5 Amp, 8 Outputs, Camera Power Supply (Pelco MCS8-5).....	147.98	15.36
28 21 00 00-0576	EA	10 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-10).....	216.06	20.47
		For Switchable Outputs, Add	105.07	
28 21 00 00-0577	EA	20 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-20).....	266.70	25.59
		For Switchable Outputs, Add	129.32	
28 21 00 00-0578		Camera Illuminators (28 21 00 00-0002)		
28 21 00 00-0579		Camera Illuminators (28 21 00 00-0578) Note: Includes lamp and mounting bracket.		
28 21 00 00-0580	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF).....	1,234.43	10.23
28 21 00 00-0581	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS).....	1,234.43	10.23
28 21 00 00-0582	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF).....	1,234.43	10.23



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0583			Camera Illuminator Accessories (28 21 00 00-0578)		
28 21 00 00-0584	EA		Replacement Lamp For Low Light Level Camera Illuminator (Pelco PAR56).....	87.82	10.23
28 21 00 00-0585			Camera Receivers (28 21 00 00-0002)		
28 21 00 00-0586	EA		24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP).....	1,157.86	17.47
28 21 00 00-0587	EA		120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP).....	1,157.86	17.47
28 21 00 00-0588			Pan And Tilt Drives (28 21 00 00-0002)		
28 21 00 00-0589	EA		15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	800.22	38.38
28 21 00 00-0590	EA		40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,031.60	38.38
			<i>For Preset Positioning, Add</i>	165.00	
28 21 00 00-0591	EA		100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	2,245.56	38.38
			<i>For Preset Positioning, Add</i>	165.00	
28 21 00 00-0592	EA		100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	2,574.40	38.38
			<i>For Preset Positioning, Add</i>	165.00	
28 21 00 00-0593	EA		100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL).....	2,988.04	38.38
			<i>For Preset Positioning, Add</i>	165.00	
28 21 00 00-0594	EA		100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX).....	3,867.60	38.38
			<i>For Preset Positioning, Add</i>	165.00	
28 21 00 00-0595			Scanners (28 21 00 00-0002)		
28 21 00 00-0596	EA		35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24).....	921.46	38.38
			<i>For Wall Mount, Add</i>	39.05	
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 21 00 00-0597	EA		35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20).....	971.38	38.38
			<i>For Wall Mount, Add</i>	39.05	
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 21 00 00-0598			Camera Monitors (28 21 00 00-0001)		
28 21 00 00-0599			Camera Monitors (28 21 00 00-0598)		
28 21 00 00-0600			Monochrome Camera Monitors (28 21 00 00-0599)		
28 21 00 00-0601	EA		9" Monochrome Camera Monitor (Pelco PMM9A)	179.39	7.68
28 21 00 00-0602	EA		12" Monochrome Camera Monitor (Pelco PMM12A)	207.12	7.68
28 21 00 00-0603	EA		15" Monochrome Camera Monitor (Pelco PMM15A)	324.40	7.68
28 21 00 00-0604	EA		20" Monochrome Camera Monitor (Pelco PMM20A)	529.63	7.68
28 21 00 00-0605			Color Camera Monitors (28 21 00 00-0599)		
28 21 00 00-0606	EA		9", High Resolution Color, Camera Monitor (Pelco PMC9A)	599.36	7.68
28 21 00 00-0607	EA		15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	483.67	7.68
28 21 00 00-0608	EA		17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	708.71	7.68
28 21 00 00-0609	EA		19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	946.43	7.68
28 21 00 00-0610			LCD Camera Monitors (28 21 00 00-0598)		
28 21 00 00-0611			VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) (28 21 00 00-0610)		
			Note: Displays VGA computer signals.		
28 21 00 00-0612	EA		17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	679.39	7.68
28 21 00 00-0613	EA		19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	888.58	7.68
28 21 00 00-0614			Multimode, Color LCD Camera Monitors (Pelco 300 Series) (28 21 00 00-0610)		
			Note: Displays VGA computer signals and/or composite video signals.		
28 21 00 00-0615	EA		15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	774.48	7.68
28 21 00 00-0616	EA		17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	929.79	7.68
28 21 00 00-0617	EA		19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,146.91	7.68
28 21 00 00-0618			Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) (28 21 00 00-0610)		
			Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 00 00-0619	EA		15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	997.94	7.68
28 21 00 00-0620	EA		17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,159.59	7.68
28 21 00 00-0621	EA		19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	1,458.32	7.68
28 21 00 00-0622			Camera Monitor Mounting Accessories (28 21 00 00-0598)		
28 21 00 00-0623			Camera Monitor Mounts (28 21 00 00-0622)		
28 21 00 00-0624	EA		Up To 14", Camera Monitor Mount (Pelco)	218.57	10.23
28 21 00 00-0625	EA		>14" To 17", Camera Monitor Mount (Pelco)	257.40	10.23
28 21 00 00-0626	EA		>17" To 21", Camera Monitor Mount (Pelco)	304.94	10.23
28 21 00 00-0627			Camera Monitor Rack Mount Kits (28 21 00 00-0622)		
28 21 00 00-0628	EA		Camera Monitor Rack Mount Kit (Pelco PMCL-RM).....	125.86	10.23

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 21 00 00-0629		Video Transmission Equipment (28 21 00 00-0001)		
28 21 00 00-0630		UTP Cable, Video Transmission Equipment (28 21 00 00-0629)		
28 21 00 00-0631		UTP Cable, Active Video Receivers (28 21 00 00-0630)		
28 21 00 00-0632	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	275.20	12.79
28 21 00 00-0633	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	998.66	12.79
28 21 00 00-0634	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	1,985.20	12.79
28 21 00 00-0635	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	3,274.43	12.79
28 21 00 00-0636	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	3,826.73	12.79
28 21 00 00-0637		UTP Cable, Passive Video Transceivers (28 21 00 00-0630)		
28 21 00 00-0638	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	66.00	12.79
28 21 00 00-0639	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	275.20	12.79
28 21 00 00-0640	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	525.59	12.79
28 21 00 00-0641	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	1,018.47	12.79
28 21 00 00-0642	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	2,012.14	12.79
28 21 00 00-0643		UTP Cable, Active Video Transmitters (28 21 00 00-0630)		
28 21 00 00-0644	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	288.67	12.79
28 21 00 00-0645		Fiber Optics, Video Transmission Equipment (28 21 00 00-0629)		
28 21 00 00-0646		Data Only, Fiber Optics Transmission Equipment (28 21 00 00-0645)		
28 21 00 00-0647		Bidirectional Data, Fiber Optics Transmitters (28 21 00 00-0646)		
28 21 00 00-0648	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	1,753.25	25.59
28 21 00 00-0649	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	693.01	25.59
28 21 00 00-0650	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,270.67	25.59
28 21 00 00-0651	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	864.17	25.59
28 21 00 00-0652		Bidirectional Data, Fiber Optics Receivers (28 21 00 00-0646)		
28 21 00 00-0653	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	1,753.25	25.59
28 21 00 00-0654	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	693.01	25.59
28 21 00 00-0655	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,270.67	25.59
28 21 00 00-0656	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	864.17	25.59
28 21 00 00-0657		Video Only, Fiber Optics Transmission Equipment (28 21 00 00-0645)		
28 21 00 00-0658		Digitally Encoded Video, Fiber Optics Transmitters (28 21 00 00-0657)		
28 21 00 00-0659	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	756.41	25.59
28 21 00 00-0660	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	307.91	25.59
28 21 00 00-0661	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	2,166.09	25.59
28 21 00 00-0662	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,286.52	25.59
28 21 00 00-0663	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	3,573.39	25.59
28 21 00 00-0664	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	2,964.82	25.59
28 21 00 00-0665	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	8,930.01	25.59
28 21 00 00-0666	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	7,943.47	25.59
28 21 00 00-0667		Digitally Encoded Video, Fiber Optics Receivers (28 21 00 00-0657)		
28 21 00 00-0668	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	756.41	25.59
28 21 00 00-0669	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	307.91	25.59
28 21 00 00-0670	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,319.01	25.59
28 21 00 00-0671	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	511.55	25.59
28 21 00 00-0672	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	2,166.09	25.59
28 21 00 00-0673	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,286.52	25.59
28 21 00 00-0674	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	3,573.39	25.59
28 21 00 00-0675	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	2,964.82	25.59
28 21 00 00-0676	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	8,930.01	25.59
28 21 00 00-0677	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	7,943.47	25.59
28 21 00 00-0678		Video And Data, Fiber Optics Transmission Equipment (28 21 00 00-0646)		
28 21 00 00-0679		Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters (28 21 00 00-0678)		
28 21 00 00-0680	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,332.48	25.59
28 21 00 00-0681	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	778.59	25.59
28 21 00 00-0682	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	3,154.21	25.59
28 21 00 00-0683	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	2,725.52	25.59
28 21 00 00-0684	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	5,129.66	25.59
28 21 00 00-0685	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	3,708.10	25.59



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0686			Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers (28 21 00 00-0678)		
28 21 00 00-0687	EA		Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS).....	1,332.48	25.59
28 21 00 00-0688	EA		Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM).....	778.59	25.59
28 21 00 00-0689	EA		Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S).....	3,154.21	25.59
28 21 00 00-0690	EA		Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	2,725.52	25.59
28 21 00 00-0691	EA		Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S).....	5,129.66	25.59
28 21 00 00-0692	EA		Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	3,708.10	25.59
28 21 00 00-0693			Video, Audio And Data, Fiber Optics Transmission Equipment (28 21 00 00-0645)		
28 21 00 00-0694			Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters (28 21 00 00-0693)		
28 21 00 00-0695	EA		Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S).....	1,727.89	25.59
28 21 00 00-0696	EA		Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M).....	1,366.55	25.59
28 21 00 00-0697			Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 00 00-0693)		
28 21 00 00-0698	EA		Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S).....	1,727.89	25.59
28 21 00 00-0699	EA		Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M).....	1,366.55	25.59
28 21 00 00-0700			Video Amplifiers (28 21 00 00-0629)		
28 21 00 00-0701			Video Distribution Amplifiers (28 21 00 00-0700)		
28 21 00 00-0702	EA		1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	208.51	6.40
28 21 00 00-0703	EA		16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA).....	1,764.79	6.40
			Note: Inserts time-date and title on up to 16 video inputs.		
28 21 00 00-0704			Video Equalizing Amplifiers (28 21 00 00-0700)		
28 21 00 00-0705	EA		Video Equalizing Amplifier (Pelco EA2010).....	227.53	6.40
28 21 00 00-0706	EA		Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	363.03	6.40
28 21 00 00-0707			Network Video Equipment (28 21 00 00-0001)		
28 21 00 00-0708			Video Encoders/Decoders (28 21 00 00-0707)		
28 21 00 00-0709	EA		MPEG4 IP Video Receiver (Pelco NET300R).....	840.40	12.79
28 21 00 00-0710	EA		MPEG4 IP Video Transmitter (Pelco NET300T).....	840.40	12.79
28 21 00 00-0711	EA		MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	973.52	12.79
28 21 00 00-0712	EA		MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	973.52	12.79
28 21 00 00-0713			Network Video Recorders (28 21 00 00-0707)		
28 21 00 00-0714	EA		16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	5,539.33	25.59
28 21 00 00-0715	EA		32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	6,452.97	25.59
28 21 00 00-0716	EA		64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	8,281.83	25.59
28 21 00 00-0717	EA		64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	5,470.39	25.59
28 21 00 00-0718			Network Video Recorder Software (28 21 00 00-0707)		
28 21 00 00-0719	EA		10 User, License Pack (Pelco VMX300-LIC-10).....	551.51	
28 21 00 00-0720	EA		20 User, License Pack (Pelco VMX300-LIC-20).....	994.46	
28 21 00 00-0721	EA		50 User, License Pack (Pelco VMX300-LIC-50).....	2,208.42	
28 21 00 00-0722	EA		100 User, License Pack (Pelco VMX300-LIC-100).....	3,862.95	
28 21 00 00-0723	EA		10 User, Enterprise License Pack (Pelco VMX300-E-LIC10).....	920.77	
28 21 00 00-0724	EA		20 User, Enterprise License Pack (Pelco VMX300-E-LIC20).....	1,656.12	
28 21 00 00-0725	EA		50 User, Enterprise License Pack (Pelco VMX300-E-LIC50).....	3,680.70	
28 21 00 00-0726	EA		100 User, Enterprise License Pack (Pelco VMX300-E-LIC100).....	6,439.83	
28 21 00 00-0727	EA		200 User, Enterprise License Pack (Pelco VMX300-E-LIC200).....	11,038.92	
28 21 00 00-0728	EA		500 User, Enterprise License Pack (Pelco VMX300-E-LIC500).....	22,997.03	
28 21 00 00-0729	EA		0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0).....	4,925.69	
28 21 00 00-0730	EA		1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1).....	5,232.35	
28 21 00 00-0731	EA		4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4).....	8,299.73	
28 21 00 00-0732	EA		0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0).....	5,478.00	

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 00 00-0733	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	5,784.66		
28 21 00 00-0734	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	8,850.45		
28 21 00 00-0735	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	5,294.16		
28 21 00 00-0736	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	5,601.61		
28 21 00 00-0737	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	8,668.20		
28 21 00 00-0738	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	6,213.34		
28 21 00 00-0739	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	6,520.00		
28 21 00 00-0740	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	9,587.38		
28 21 00 00-0741		Video Recording Equipment (28 21 00 00-0001)			
28 21 00 00-0742		Digital Video Recorders (28 21 00 00-0741)			
28 21 00 00-0743	EA	8 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-1000)..... Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	4,451.37	25.59	
28 21 00 00-0744	EA	8 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-2000)..... Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	6,029.83	25.59	
28 21 00 00-0745	EA	8 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-3000)..... Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	7,608.29	25.59	
28 21 00 00-0746	EA	16 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-1000)..... Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	5,109.06	25.59	
28 21 00 00-0747	EA	16 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-2000)..... Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	6,687.52	25.59	
28 21 00 00-0748	EA	16 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-3000)..... Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	8,265.98	25.59	
28 21 00 00-0749	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	8,697.05	25.59	
28 21 00 00-0750	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	11,941.13	25.59	
28 21 00 00-0751	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	15,186.01	25.59	
28 21 00 00-0752	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	10,479.15	25.59	
28 21 00 00-0753	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	13,723.24	25.59	
28 21 00 00-0754	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	16,968.12	25.59	
28 21 00 00-0755	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	11,459.35	25.59	
28 21 00 00-0756	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	14,703.44	25.59	
28 21 00 00-0757	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	17,948.32	25.59	
28 21 00 00-0758	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	13,241.46	25.59	
28 21 00 00-0759	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	16,485.55	25.59	
28 21 00 00-0760	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	19,730.42	25.59	
28 21 00 00-0761	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500).....	9,604.58	25.59	
28 21 00 00-0762		Digital Video Recorder Accessories (28 21 00 00-0741)			
28 21 00 00-0763	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	811.87	12.79	
28 21 00 00-0764		Matrix Systems And Controls (28 21 00 00-0001)			
28 21 00 00-0765		Video Multiplexers (28 21 00 00-0764)			
28 21 00 00-0766		Monochrome Duplex, Video Multiplexers (28 21 00 00-0765)			
28 21 00 00-0767	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	1,567.82	25.59	
28 21 00 00-0768	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	1,479.87	25.59	
28 21 00 00-0769		Color Duplex, Video Multiplexers (28 21 00 00-0765)			
28 21 00 00-0770	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD).....	1,047.22	25.59	
28 21 00 00-0771	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD).....	2,030.59	25.59	
28 21 00 00-0772	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD).....	2,204.12	25.59	
28 21 00 00-0773		Color Simplex, Video Multiplexers (28 21 00 00-0765)			
28 21 00 00-0774	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	1,700.95	25.59	
28 21 00 00-0775	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	1,992.55	25.59	
28 21 00 00-0776		Video Multiplexer Accessories (28 21 00 00-0765)			
28 21 00 00-0777	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000).....	906.66	17.47	
28 21 00 00-0778	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002).....	512.05	17.47	
28 21 00 00-0779	EA	Video Multiplexer Server (Pelco MX4000SVR).....	1,567.82	25.59	
28 21 00 00-0780		Quad Video Processor (28 21 00 00-0764)			
28 21 00 00-0781	EA	Monochrome, Quad Video Processor (Pelco QD104M)	478.05	12.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0782 EA Color, Quad Video Processor (Pelco QD104C).....	795.01	12.79
28 21 00 00-0783 Switcher (28 21 00 00-0764)		
28 21 00 00-0784 Terminating Manual Switchers (28 21 00 00-0783)		
28 21 00 00-0785 Terminating Manual Switchers (28 21 00 00-0784)		
28 21 00 00-0786 EA 4 Inputs, Terminating Manual Switcher (Pelco MS504DT).....	157.56	10.23
28 21 00 00-0787 EA 8 Inputs, Terminating Manual Switcher (Pelco MS508DT).....	219.36	10.23
28 21 00 00-0788 EA 12 Inputs, Terminating Manual Switcher (Pelco MS512DT).....	270.08	10.23
28 21 00 00-0789 EA 18 Inputs, Terminating Manual Switcher (Pelco MS518DT).....	451.54	10.23
28 21 00 00-0790 Audio Follow, Terminating Manual Switchers (28 21 00 00-0784)		
28 21 00 00-0791 EA 4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF).....	208.27	10.23
28 21 00 00-0792 EA 8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF).....	378.63	10.23
28 21 00 00-0793 EA 18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF).....	672.62	10.23
28 21 00 00-0794 Balanced Audio Follow, Terminating Manual Switchers (28 21 00 00-0784)		
28 21 00 00-0795 EA 4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF).....	283.55	10.23
28 21 00 00-0796 EA 8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF).....	532.36	10.23
28 21 00 00-0797 Looping Manual Switchers (28 21 00 00-0783)		
28 21 00 00-0798 Looping Manual Switchers (28 21 00 00-0797)		
28 21 00 00-0799 EA 4 Inputs, Looping Manual Switcher (Pelco MS504LDT).....	178.16	10.23
28 21 00 00-0800 EA 8 Inputs, Looping Manual Switcher (Pelco MS508LDT).....	250.27	10.23
28 21 00 00-0801 EA 12 Inputs, Looping Manual Switcher (Pelco MS512LDT).....	323.17	10.23
28 21 00 00-0802 EA 18 Inputs, Looping Manual Switcher (Pelco MS518LDT).....	542.66	10.23
28 21 00 00-0803 Audio Follow, Looping Manual Switchers (28 21 00 00-0797)		
28 21 00 00-0804 EA 4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL).....	225.70	10.23
28 21 00 00-0805 EA 8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL).....	405.58	10.23
28 21 00 00-0806 EA 12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL).....	562.47	10.23
28 21 00 00-0807 Balanced Audio Follow, Looping Manual Switchers (28 21 00 00-0797)		
28 21 00 00-0808 EA 4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL).....	304.94	10.23
28 21 00 00-0809 EA 8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL).....	564.85	10.23
28 21 00 00-0810 EA 12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL).....	714.61	10.23
28 21 00 00-0811 Sequential Switchers (28 21 00 00-0783)		
28 21 00 00-0812 Single Output, Sequential Switchers (28 21 00 00-0811)		
28 21 00 00-0813 EA 4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104).....	323.96	10.23
28 21 00 00-0814 EA 8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108).....	490.36	10.23
28 21 00 00-0815 Dual Outputs, Sequential Switchers (28 21 00 00-0811)		
28 21 00 00-0816 EA 4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204).....	408.75	10.23
28 21 00 00-0817 EA 8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208).....	571.98	10.23
28 21 00 00-0818 Controls (28 21 00 00-0764)		
28 21 00 00-0819 Direct/Multi-Cable Controls (28 21 00 00-0818)		
28 21 00 00-0820 EA Scanner Control Module (Pelco MPS524DT).....	254.02	25.59
28 21 00 00-0821 EA 120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT).....	273.83	25.59
28 21 00 00-0822 EA 24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT).....	307.91	25.59
28 21 00 00-0823 EA Motorized Zoom Lens Control Module (Pelco MLZ6DT).....	323.76	25.59
28 21 00 00-0824 EA 120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT).....	532.95	25.59
28 21 00 00-0825 EA 24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT).....	590.79	25.59
28 21 00 00-0826 Coaxitron Controls (28 21 00 00-0818)		
28 21 00 00-0827 EA Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000).....	364.66	17.47
28 21 00 00-0828 EA 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000).....	737.88	17.47
28 21 00 00-0829 EA Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008).....	844.86	17.47
28 21 00 00-0830 Digital Controls (28 21 00 00-0818)		
28 21 00 00-0831 EA Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A).....	508.09	17.47
28 21 00 00-0832 EA Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A).....	898.74	17.47
28 21 00 00-0833 Lock Boxes (28 21 00 00-0764)		

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 21 00 00-0834	EA	VCR Lock Box (Pelco LB1000).....	314.93	19.19
		<i>For Wall Mount, Add</i>	<i>165.00</i>	
28 21 00 00-0835	EA	Computer Disk Drive Lock Box (Pelco LB2000)	322.85	19.19
28 21 00 00-0836	EA	VCR And Multiplexer Lock Box (Pelco LB3000)	616.04	19.19
		Note: Includes storage for 32 VCR tapes.		

28 40 Life Safety ⁽²⁸⁾

Note: Includes testing of new devices and certification.

28 42 Gas Detection and Alarm ^(28 40)

28 42 00 00-0001		Monitoring System For Underground Tanks ^(28 42)		
28 42 00 00-0002		Continuous Leak Detection System ^(28 42 00 00-0001)		
		Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 42 00 00-0003	EA	Single Channel Underground Tank Monitoring System	3,124.69	209.26
28 42 00 00-0004	EA	2 Channel Underground Tank Monitoring System	4,214.92	279.17
28 42 00 00-0005	EA	3 Channel Underground Tank Monitoring System	5,934.31	299.09
28 42 00 00-0006	EA	4 Channel Underground Tank Monitoring System	6,395.38	418.51
28 42 00 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	4,414.69	35.73
28 42 00 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	3,981.05	31.90
28 42 00 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	5,233.06	35.73
28 42 00 00-0010	EA	Tank Leak Detection Probe	1,618.84	7.66
28 42 00 00-0011	EA	Secondary Containment Collar Probe.....	198.27	3.06
28 42 00 00-0012	EA	Interstitial Leak Detection Probe	363.65	6.38
28 42 00 00-0013	EA	Liquid Phase Detection	1,199.49	19.14
28 42 00 00-0014	EA	Hydrocarbon Vapor, Fixed.....	1,107.63	19.14
28 42 00 00-0015	EA	Hydrocarbon Vapor, Float Mounted.....	1,293.77	21.69
28 42 00 00-0016	EA	Liquid And Vapor Hydrocarbon.....	1,477.48	21.69
28 42 00 00-0017		Hydrogen Gas Detection ^(28 42)		
28 42 00 00-0018	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,091.97	19.19
28 42 00 00-0019	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	53.99	6.40
28 42 00 00-0020	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	267.93	19.19

28 43 Fuel Oil Detection And Alarm ^(28 40)

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection And Alarm ^(28 40)**28 46 11 Fire Sensors and Detectors** ^(28 46)**28 46 11 11 Linear Heat Detection Sensors** ^(28 46 11)

28 46 11 11-0001		Protectowire Fire Alarm ^(28 46 11 11)		
28 46 11 11-0002		Linear Heat Detector Cable ^(28 46 11 11-0001)		
28 46 11 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	2.98	
28 46 11 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M)	3.24	
28 46 11 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	3.24	
28 46 11 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M)	3.51	
28 46 11 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	3.63	
28 46 11 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	3.90	
28 46 11 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	33.83	
28 46 11 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	14.47	
28 46 11 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	4.41	
28 46 11 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	4.41	
28 46 11 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	4.74	
28 46 11 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	7.42	
28 46 11 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	7.77	
28 46 11 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	0.88	
28 46 11 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	1.21	
28 46 11 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	5.39	

28 46 20 Fire Alarm ^(28 46)**28 46 21 33 Fire Detection and Alarm Annunciation Panels and Fire Stations** ^(28 46 20)

28 46 21 33-0001		Edwards Fire Alarm ^(28 46 21 33)		
28 46 21 33-0002		EST3 Life Safety And Security Control ^(28 46 21 33-0001)		
28 46 21 33-0003		EST3 Network ^(28 46 21 33-0002)		
28 46 21 33-0004		Remote Annunciators ^(28 46 21 33-0003)		
28 46 21 33-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN)	866.52	38.38
		Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0006	EA	Six Position Base Annunciator (EST3 3-6ANN)	701.30	38.38
		Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0007 EA Ten Position Base Annunciator (EST3 3-10ANN).....	893.95	38.38
Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 21 33-0008 EA Annunciator CPU (EST3 3-ANNCPU3)	560.28	38.38
Note: One Required per graphic annunciator.		
28 46 21 33-0009 EA Annunciator Support Module (EST3 3-ANNSM).....	99.17	12.79
Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 46 21 33-0010 EA Liquid Crystal Display Module (EST3 3-LCD).....	350.84	38.38
Note: Mounts over 3-CPU(1).		
28 46 21 33-0011 EA Liquid Crystal Display Module (EST3 3-LCDXL).....	366.16	38.38
Note: Mounts over 3-ANNCPU plus two spaces.		
28 46 21 33-0012 EA LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA)	399.13	38.38
Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		
28 46 21 33-0013 EA Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....	478.30	25.59
Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.		
28 46 21 33-0014 EA Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX)	66.37	12.79
Note: Mounts up to three 3-EVDVRA modules.		
28 46 21 33-0015 EA Central Processor Unit Module (EST3 3-CPU3).....	919.65	38.38
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0016 EA Primary Power Supply With Local Rail Module, 120 VAC, 50/60 Hz (EST3 3-CPU3)	925.21	12.79
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0017 Remote Annunciators Cabinets (28 46 21 33-0003)		
28 46 21 33-0018 EA Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B).....	72.24	12.79
28 46 21 33-0019 EA Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	67.12	10.23
28 46 21 33-0020 EA Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	82.59	12.79
28 46 21 33-0021 EA Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	77.47	10.23
28 46 21 33-0022 EA Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	92.30	12.79
28 46 21 33-0023 EA Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S).....	87.18	10.23
28 46 21 33-0024 Audio And Telephone Masters (28 46 21 33-0003)		
28 46 21 33-0025 EA Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	2,874.52	51.17
28 46 21 33-0026 EA Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	1,585.18	51.17
28 46 21 33-0027 EA Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,480.43	51.17
28 46 21 33-0028 EA Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	1,496.53	51.17
28 46 21 33-0029 EA Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	1,714.07	51.17
28 46 21 33-0030 EA Zoned Audio Amplifier Module (EST3 3-ZA95).....	1,620.24	25.59
28 46 21 33-0031 Battery Distribution Unit (28 46 21 33-0003)		
28 46 21 33-0032 EA Battery Distribution Unit (EST3 3-BTSEN).....	286.11	234.92
28 46 21 33-0033 Remote Booster Power Supply (28 46 21 33-0003)		
28 46 21 33-0034 EA 6.5 Amp, 120 VAC, Booster Power Supply (EST3 BPS6A).....	479.73	38.38
28 46 21 33-0035 EA 10 Amp, 110 VAC Booster Power Supply (EST3 BPS10)	551.43	38.38
28 46 21 33-0036 EA 10 Amp, 220 VAC Booster Power Supply (EST3 BPS10220)	604.27	38.38
28 46 21 33-0037 EA Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP).....	73.97	12.79
28 46 21 33-0038 Batteries And Battery Cabinets (28 46 21 33-0003)		
28 46 21 33-0039 EA 1.2 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V1A2 (1.2 Amp Hours)).....	54.28	12.79
28 46 21 33-0040 EA 4 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V4A (4.5 Amp Hours)).....	69.86	12.79
28 46 21 33-0041 EA 24 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V24A (26 Amp Hours)).....	177.32	12.79
28 46 21 33-0042 EA 6.5 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V6A5 (7.2 Amp Hours)).....	76.10	12.79
28 46 21 33-0043 EA 40 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V40A (40 Amp Hours)).....	227.21	12.79
28 46 21 33-0044 EA 10 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V10A (11 Amp Hours)).....	123.94	12.79
28 46 21 33-0045 EA 50 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V50A (50 Amp Hours)).....	470.27	12.79
28 46 21 33-0046 EA 17 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V17A (18 Amp Hours)).....	127.15	12.79
28 46 21 33-0047 EA 65 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V65A (65 Amp Hours)).....	568.00	12.79
28 46 21 33-0048 EA 8.0 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V8A (8 Amp Hours)).....	66.82	12.79
28 46 21 33-0049 EA 10 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V10A (12 Amp Hours)).....	59.04	12.79
28 46 21 33-0050 EA Battery Cabinet, 14,0" x 18.25" x 7.25" Free Standing Cabinet With Key Lock (EST3 BC-1).....	224.95	25.59
Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.		
28 46 21 33-0051 EA Battery Cabinet, Gray 22" X 15" X 3.75" (EST3 BC-2)	183.00	25.59
Note: Holds up to two 12V17A batteries.		
28 46 21 33-0052 EA Remote Closet Enclosure (EST3 3-RCC7R)	650.41	51.17
28 46 21 33-0053 EA Remote Closet Enclosure (EST3 3-RCC14R)	815.57	51.17
28 46 21 33-0054 EA Remote Closet Enclosure (EST3 3-RCC21R)	1,158.06	51.17
28 46 21 33-0055 Serial Printer (28 46 21 33-0003)		
28 46 21 33-0056 EA System Printer - Desk Top Style (EST3 PT-1S)	921.00	12.79
28 46 21 33-0057 Intelligent Analog Initiating Devices (28 46 21 33-0002)		
28 46 21 33-0058 Detectors, Signature (28 46 21 33-0057)		
28 46 21 33-0059 EA Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS).....	132.33	19.19
28 46 21 33-0060 EA Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB).....	150.46	19.19
28 46 21 33-0061 EA Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS)	126.93	19.19

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 21 33-0062	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	110.72	19.19
28 46 21 33-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	116.12	19.19
28 46 21 33-0064	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS)	92.65	19.19
28 46 21 33-0065	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS)	92.65	19.19
28 46 21 33-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	155.29	19.19
28 46 21 33-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	172.98	19.19
28 46 21 33-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	143.80	19.19
28 46 21 33-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	214.12	19.19
28 46 21 33-0070	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA2-HFS)	117.56	19.19
28 46 21 33-0071	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA2-HRS)	117.56	19.19
28 46 21 33-0072	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA2-PHS)	167.43	19.19
28 46 21 33-0073		Detectors, Duct Housings and Accessories, Signature (28 46 21 33-0057)		
28 46 21 33-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	272.70	31.98
28 46 21 33-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	10.03	
28 46 21 33-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	33.34	7.68
28 46 21 33-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	69.86	10.23
28 46 21 33-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	97.28	10.23
28 46 21 33-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	38.59	10.23
28 46 21 33-0080		Detectors, Smoke, Beam (28 46 21 33-0057)		
28 46 21 33-0081	EA	Firearay 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A)	100.37	
28 46 21 33-0082	EA	Firearay 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01)	1,190.71	19.19
28 46 21 33-0083	EA	Firearay 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00)	68.44	6.40
28 46 21 33-0084	EA	Replacement Reflector, For EC-50R/100R Reflective Beam Detectors (EST3 23901-01)	82.32	6.40
28 46 21 33-0085	EA	160 - 330' Reflective Beam Detector (EST3 EC-100R)	1,243.16	19.19
28 46 21 33-0086	EA	15 - 160' Reflective Beam Detector (EST3 EC-50R)	1,057.81	19.19
28 46 21 33-0087	EA	Remote Test Station, For EC-50R/100R Reflective Beam Detectors (EST3 EC-LLT)	244.53	6.40
28 46 21 33-0088	EA	160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R)	1,311.53	19.19
28 46 21 33-0089		Modules, Signature (28 46 21 33-0057)		
28 46 21 33-0090	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	128.56	12.79
28 46 21 33-0091	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	80.71	12.79
28 46 21 33-0092	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	119.54	12.79
28 46 21 33-0093	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	114.10	12.79
28 46 21 33-0094	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	106.95	12.79
28 46 21 33-0095	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	130.42	12.79
28 46 21 33-0096	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR)	101.47	12.79
		Note: Select for either N.O. or N.C. operation. Rated at 2 amps (24Vdc).		
28 46 21 33-0097	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	97.93	12.79
28 46 21 33-0098	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	134.05	12.79
28 46 21 33-0099	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	130.42	12.79
28 46 21 33-0100	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	125.02	12.79
28 46 21 33-0101	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	113.82	101.02
28 46 21 33-0102	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1)	80.71	12.79
		Note: Factory programmed for non-latching monitor operation.		
28 46 21 33-0103	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	134.75	12.79
28 46 21 33-0104		Module Accessories, Signature (28 46 21 33-0057)		
		Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 & 2-gang modules.		
28 46 21 33-0105	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	30.94	6.40
28 46 21 33-0106	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	112.35	12.79
28 46 21 33-0107	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	10.38	3.83
28 46 21 33-0108	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	37.19	6.40
28 46 21 33-0109	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	32.70	6.40
28 46 21 33-0110	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	34.47	6.40
28 46 21 33-0111		Single Action Pull Stations, Signature (28 46 21 33-0057)		
28 46 21 33-0112	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	132.53	26.61
28 46 21 33-0113	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	159.63	26.61
28 46 21 33-0114	EA	GA Key - For Pre Signal Station (EST3 276-K2)	18.88	16.32
28 46 21 33-0115	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	24.10	21.54
28 46 21 33-0116	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	32.17	21.93
28 46 21 33-0117		Double Action Pull Stations, Signature (28 46 21 33-0057)		
28 46 21 33-0118	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	137.93	26.61
28 46 21 33-0119	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	24.49	2.56



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

28 46 21 33-0120

Detector Bases and Accessories, Signature (28 46 21 33-0057)

Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.

Table with columns for UOM, Description, Unit Cost, and Demolition Unit Cost. Includes items like Audible (Sounder) Base, Surface Box, Detector (Smoke) Guard, and various mounting plates.

28 46 21 33-0136

Controllers, Signature (28 46 21 33-0057)

Table with columns for UOM, Description, Unit Cost, and Demolition Unit Cost. Includes Signature Dual Driver Controller, Single Signature Loop Controller, and Analog Addressable Loop Controller.

28 46 21 33-0141

Relays And Accessories (28 46 21 33-0057)

Table with columns for UOM, Description, Unit Cost, and Demolition Unit Cost. Includes Multi Voltage Relay and Single SPDT Auxiliary Relay.

28 46 21 33-0144

Notification Appliances (28 46 21 33-0002)

28 46 21 33-0145

Wall Strobes, Horns And Chimes (28 46 21 33-0144)

Large table with columns for UOM, Description, Unit Cost, and Demolition Unit Cost. Lists various strobe and chime models like Genesis Chime-Strobe, Genesis Chime, and Genesis Ceiling Strobe.

28 46 21 33-0171

Wall Speakers And Speaker Strobes (28 46 21 33-0144)

Table with columns for UOM, Description, Unit Cost, and Demolition Unit Cost. Includes Multi-Wattage VRMS Speaker, Multi-Candela/Wattage VRMS Speaker-Strobe, and Surface Boxes.

28 46 21 33-0178

Ceiling Speakers And Speaker Strobes (28 46 21 33-0144)

Table with columns for UOM, Description, Unit Cost, and Demolition Unit Cost. Includes Genesis Ceiling Speaker and Genesis Ceiling Speaker/Strobe.

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0182			Harsh Environment Signals (28 46 21 33-0144)		
28 46 21 33-0183	EA		Temporal Horn, Self-Synchronized, 24 VDC (EST3 757-1A-T).....	66.33	19.19
28 46 21 33-0184	EA		15/75 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-7A-T).....	98.08	19.19
28 46 21 33-0185	EA		110 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-8A-T).....	98.08	19.19
28 46 21 33-0186	EA		15 Candela Synchronized, 24 VDC, Strobe (EST3 405-5A-T).....	88.64	19.19
28 46 21 33-0187	EA		15/75 Candela Synchronized, 24 VDC, Strobe (EST3 405-7A-T).....	82.36	19.19
28 46 21 33-0188	EA		30 Candela Synchronized, 24 VDC, Strobe (EST3 405-3A-T).....	88.64	19.19
28 46 21 33-0189	EA		60 Candela Synchronized, 24 VDC, Strobe (EST3 405-6A-T).....	88.64	19.19
28 46 21 33-0190	EA		110 Candela Synchronized, 24 VDC, Strobe (EST3 405-8A-T).....	88.64	19.19
28 46 21 33-0191	EA		15/75 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	97.65	21.75
28 46 21 33-0192	EA		110 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	97.65	21.75
28 46 21 33-0193	EA		15 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-5A-T).....	70.19	19.19
28 46 21 33-0194	EA		30 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-3A-T).....	95.12	19.19
28 46 21 33-0195			Fire Alarm Bells (28 46 21 33-0144)		
28 46 21 33-0196	EA		10" Single Stroke Fire Alarm Bells, 24 VDC (EST3 323D-10AW).....	106.89	19.19
28 46 21 33-0197	EA		6" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-6AW).....	83.17	19.19
28 46 21 33-0198	EA		10" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-10AW).....	93.30	19.19
28 46 21 33-0199			Multiple Tone Signal (28 46 21 33-0144)		
28 46 21 33-0200	EA		27 Tone Selectable Signal, 24 VDC (EST3 5530MD-24AW).....	749.98	730.79
28 46 21 33-0201			Multi-Purpose Loudspeaker (28 46 21 33-0144)		
28 46 21 33-0202	EA		15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	144.71	19.19
28 46 21 33-0203	EA		15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	144.71	19.19
28 46 21 33-0204			Bell/Strobe Plate (28 46 21 33-0144)		
28 46 21 33-0205	EA		Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	72.88	10.23
28 46 21 33-0206			Mounting Accessories (28 46 21 33-0144)		
28 46 21 33-0207	EA		Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	30.93	10.23
28 46 21 33-0208	EA		One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	30.93	10.23
28 46 21 33-0209	EA		Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	30.93	10.23
28 46 21 33-0210	EA		Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	30.93	10.23
28 46 21 33-0211	EA		Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	30.93	10.23
28 46 21 33-0212			Firefighters' Telephones (28 46 21 33-0144)		
28 46 21 33-0213	EA		Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	662.53	31.98
28 46 21 33-0214	EA		Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	363.26	31.98
28 46 21 33-0215	EA		Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	255.48	31.98
28 46 21 33-0216	EA		Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1).....	180.35	31.98
28 46 21 33-0217	EA		Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	349.84	31.98
28 46 21 33-0218	EA		Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A).....	207.16	31.98
28 46 21 33-0219	EA		Remote Telephone Handset Station - 4-State, Red, Push To Talk Button, 5' Coiled Cord (EST3 6830-5A-4).....	397.34	31.98
28 46 21 33-0220	EA		Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	216.10	31.98
28 46 21 33-0221	EA		Remote Telephone Handset Station - 4-State, Red, Push To Talk Button, 5' Armored Cable (EST3 6830-6A-4).....	458.16	31.98
28 46 21 33-0222	EA		Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	45.55	10.23
28 46 21 33-0223	EA		Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	53.33	10.23
28 46 21 33-0224	EA		Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	82.52	
28 46 21 33-0225	EA		Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	82.52	
28 46 21 33-0226	EA		Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	118.96	12.79
28 46 21 33-0227	EA		Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2).....	149.93	12.79
28 46 21 33-0228	EA		Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	103.48	12.79
28 46 21 33-0229	EA		Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4).....	98.92	12.79
28 46 21 33-0230	EA		Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	66.67	19.19
28 46 21 33-0231	EA		Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	688.83	25.59
28 46 21 33-0232			Mass Notification EC Appliances (28 46 21 33-0144)		
28 46 21 33-0233	EA		G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	80.56	19.19
28 46 21 33-0234	EA		G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC).....	77.35	19.19
28 46 21 33-0235	EA		G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA).....	80.56	19.19
28 46 21 33-0236	EA		G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	77.35	19.19
28 46 21 33-0237	EA		G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	11.53	3.83
28 46 21 33-0238			Hazardous Location Devices (28 46 21 33-0002)		
28 46 21 33-0239			Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 46 21 33-0238)		
28 46 21 33-0240	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	70.31	19.19
28 46 21 33-0241	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	70.31	19.19
28 46 21 33-0242	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135).....	72.99	19.19



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0243	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194).....	72.99	19.19
28 46 21 33-0244	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135).....	104.94	19.19
28 46 21 33-0245	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194).....	104.94	19.19
28 46 21 33-0246	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	72.99	19.19
28 46 21 33-0247	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	72.99	19.19
28 46 21 33-0248			Hazardous Locations Fire Alarm Station (28 46 21 33-0238)		
28 46 21 33-0249	EA		Hazardous Location Fire Alarm Station (EST3 XAL53).....	703.11	31.98
28 46 21 33-0250	EA		Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPTD (EST3 MPSR1-D45WX-GE).....	668.39	31.98
28 46 21 33-0251			Hazardous Location Strobes (28 46 21 33-0238)		
28 46 21 33-0252	EA		Explosion Proof Strobe (EST3 116DEXSTC-FJ).....	1,063.08	19.19
28 46 21 33-0253	EA		Wall Bracket Mounting Elbow (EST3 116EX-B).....	196.61	6.40
28 46 21 33-0254	EA		Ceiling / Wall Mounting Module (EST3 116EX-C).....	257.67	7.68
28 46 21 33-0255	EA		Pendant Mounting Module (EST3 116EX-P).....	187.79	7.68
28 46 21 33-0256			Hazardous Location Bells (28 46 21 33-0238)		
28 46 21 33-0257	EA		6" Hazardous Location Bells, 24 VDC (EST3 439DEX-6AW).....	763.74	19.19
28 46 21 33-0258	EA		8" Hazardous Location Bells, 24 VDC (EST3 439DEX-8AW).....	783.84	19.19
28 46 21 33-0259	EA		10" Hazardous Location Bells, 24 VDC (EST3 439DEX-10AW).....	791.08	19.19
28 46 21 33-0260			Hazardous Location Horns (28 46 21 33-0238)		
28 46 21 33-0261	EA		Hazardous Location Horns (EST3 888D-N5).....	746.42	19.19
28 46 21 33-0262	EA		Explosion Proof Horn, Diode Polarized, 24 VDC (EST3 889D-AW).....	607.31	19.19
28 46 21 33-0263			Door Holders And Relays (28 46 21 33-0002)		
28 46 21 33-0264			Electromagnetic Door Holders (28 46 21 33-0263)		
28 46 21 33-0265	EA		Door Holder, Single, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1501-AQN5).....	123.46	19.19
28 46 21 33-0266	EA		Door Holder, Double, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1502-AQN5).....	163.80	19.19
28 46 21 33-0267	EA		Door Holder, Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1504-AQN5).....	102.85	19.19
28 46 21 33-0268	EA		Door Holder, Flush, Wall Mount, Short Catch Plate - 24 VAC / 24 VDC / 120 VAC (EST3 1505-AQN5).....	102.85	19.19
28 46 21 33-0269	EA		Door Holder, Surface, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1508-AQN5).....	104.72	19.19
28 46 21 33-0270	EA		Door Holder, Completely Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1509-AQN5).....	106.49	19.19
28 46 21 33-0271			Control Relays, Multi-Voltage (28 46 21 33-0263)		
28 46 21 33-0272	EA		Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1).....	24.99	3.83
28 46 21 33-0273			FireShield Plus (28 46 21 33-0002)		
28 46 21 33-0274			3 Zone System (28 46 21 33-0273)		
28 46 21 33-0275	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R).....	636.62	153.53
28 46 21 33-0276	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD).....	939.92	204.70
28 46 21 33-0277	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G).....	636.62	153.53
28 46 21 33-0278	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD).....	939.92	204.70
28 46 21 33-0279	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	47.55	6.40
28 46 21 33-0280	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	47.55	6.40
28 46 21 33-0281			5 Zone System (28 46 21 33-0273)		
28 46 21 33-0282	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R).....	692.89	153.53
28 46 21 33-0283	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD).....	992.97	204.70
28 46 21 33-0284	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G).....	692.89	153.53
28 46 21 33-0285	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD).....	992.97	204.70
28 46 21 33-0286	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	47.55	6.40
28 46 21 33-0287	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	47.55	6.40
28 46 21 33-0288			10 Zone System (28 46 21 33-0273)		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

City of Miami

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0289 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	1,012.26	204.70
28 46 21 33-0290 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	1,315.57	255.87
28 46 21 33-0291 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	988.14	204.70
28 46 21 33-0292 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	1,315.57	255.87
28 46 21 33-0293 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G).....	56.26	6.40
28 46 21 33-0294 EA NAC Power Expansion Transformer, 120 VAC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	102.14	12.79
28 46 21 33-0295 FireShield Plus Off Premise Communication Options (28 46 21 33-0273)		
28 46 21 33-0296 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	234.58	12.79
28 46 21 33-0297 FireShield Plus Remote LED Annunciators (28 46 21 33-0273)		
28 46 21 33-0298 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	90.54	19.19
28 46 21 33-0299 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	90.54	19.19
28 46 21 33-0300 EA Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	94.65	19.19
28 46 21 33-0301 EA Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	18.14	3.83
28 46 21 33-0302 EA Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	23.38	3.83
28 46 21 33-0303 EA Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	35.99	3.83
28 46 21 33-0304 FireShield Plus Remote 10 Zone LED Annunciators (28 46 21 33-0273)		
28 46 21 33-0305 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	311.68	19.19
28 46 21 33-0306 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	343.83	19.19
28 46 21 33-0307 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	105.97	12.79
28 46 21 33-0308 FireShield Plus Remote Relays And Interfaces (28 46 21 33-0273)		
28 46 21 33-0309 EA Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	112.53	12.79
28 46 21 33-0310 EA 11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRM's In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	44.98	7.68
28 46 21 33-0311 EA Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	184.74	12.79
28 46 21 33-0312 FireShield Plus Accessories (28 46 21 33-0273)		
28 46 21 33-0313 EA Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	9.98	
28 46 21 33-0314 EA 4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7)	5.58	
28 46 21 33-0315 iO Series Fire Control Panels (28 46 21 33-0002)		
28 46 21 33-0316 Intelligent Analog Control Panels (28 46 21 33-0315)		
28 46 21 33-0317 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18a/h Batteries, English (EST3 IO500G)	1,872.34	255.87
28 46 21 33-0318 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18 a/h Batteries, With Dual Line Dialer/Modem, English (EST3 IO500GD)	2,028.28	255.87
28 46 21 33-0319 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10 a/h Batteries, English (EST3 IO64G)	1,494.00	204.70
28 46 21 33-0320 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10a/h Batteries, With Dual Line Dialer/Modem, English (EST3 IO64GD)	1,566.35	204.70
28 46 21 33-0321 Option Modules And Accessories For iO Series (28 46 21 33-0315)		
28 46 21 33-0322 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	199.14	19.19
28 46 21 33-0323 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	118.76	19.19
28 46 21 33-0324 EA Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	118.76	19.19
28 46 21 33-0325 EA Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	105.97	12.79
28 46 21 33-0326 EA Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	229.46	10.23
28 46 21 33-0327 EA Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	422.38	10.23
28 46 21 33-0328 EA Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1).....	46.55	6.40
28 46 21 33-0329 EA Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2).....	54.59	6.40
28 46 21 33-0330 EA Expansion Loop For IO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	774.60	25.59
28 46 21 33-0331 Remote Annunciators For iO Series (28 46 21 33-0315)		
28 46 21 33-0332 EA Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	420.18	19.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0333 EA Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	440.29	19.19
28 46 21 33-0334 Remote Annunciator Accessories (28 46 21 33-0315)		
28 46 21 33-0335 EA 24 Expander Cable Assembly, With Cable And Hardware (EST3 730073).....	44.94	6.40
28 46 21 33-0336 EA 12 Expander Cable (Cable Only) (EST3 7120313-01).....	28.87	6.40
28 46 21 33-0337 EA 24 Expander Cable (Cable Only) (EST3 7120313-02).....	40.92	6.40
28 46 21 33-0338 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1).....	118.76	19.19
28 46 21 33-0339 EA Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2).....	138.85	19.19
28 46 21 33-0340 EA Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3).....	158.95	19.19
28 46 21 33-0341 EA Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	28.87	6.40
28 46 21 33-0342 EA Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC).....	28.87	6.40
28 46 21 33-0343 EA Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY).....	63.99	6.40
28 46 21 33-0344 System Accessories (28 46 21 33-0315)		
28 46 21 33-0345 EA Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 VDC, 24 Amp Batteries (EST3 BC-1).....	224.95	25.59
28 46 21 33-0346 EA Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A).....	957.92	204.70
28 46 21 33-0347 Conventional Initiating Devices (28 46 21 33-0002)		
28 46 21 33-0348 Detectors, Heat, Double Pole (28 46 21 33-0347)		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 33-0349 EA Heat Detector, 135 Degree F Fixed Temperature (CF135-2).....	81.70	19.19
28 46 21 33-0350 EA Heat Detector, 200 Degree F Fixed Temperature (CF200-2).....	81.70	19.19
28 46 21 33-0351 EA Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	81.70	19.19
28 46 21 33-0352 EA Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	81.70	19.19
28 46 21 33-0353 Detectors, Rate Compensation Heat, Accessories (28 46 21 33-0347)		
28 46 21 33-0354 EA Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P).....	44.45	19.19
28 46 21 33-0355 EA Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	151.87	10.23
28 46 21 33-0356 EA 4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27).....	41.25	12.79
28 46 21 33-0357 Detectors, Heat, Fire-Lite (28 46 21 33-0347)		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 33-0358 EA Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135).....	75.55	19.19
28 46 21 33-0359 EA Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194).....	75.55	19.19
28 46 21 33-0360 Audio Notification Systems (Standalone Voice Evacuation) (28 46 21 33-0002)		
28 46 21 33-0361 Audio Notification Panels (28 46 21 33-0360)		
28 46 21 33-0362 EA Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG).....	2,899.08	255.87
28 46 21 33-0363 EA Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR).....	2,899.08	255.87
28 46 21 33-0364 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG).....	2,119.38	255.87
28 46 21 33-0365 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR).....	2,119.38	255.87
28 46 21 33-0366 EA Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG).....	2,505.22	255.87
28 46 21 33-0367 EA Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR).....	2,505.22	255.87
28 46 21 33-0368 Audio Notification Expander Panels (28 46 21 33-0360)		
28 46 21 33-0369 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG).....	2,183.69	255.87
28 46 21 33-0370 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR).....	2,183.69	255.87
28 46 21 33-0371 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG).....	1,428.11	255.87
28 46 21 33-0372 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR).....	1,428.11	255.87
28 46 21 33-0373 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG).....	1,870.20	255.87
28 46 21 33-0374 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR).....	1,870.20	255.87
28 46 21 33-0375 Audio Notification Output Accessories (28 46 21 33-0360)		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0376 EA Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	85.13	6.40
28 46 21 33-0377 EA Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	387.31	12.79
28 46 21 33-0378 EA Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	387.31	12.79
28 46 21 33-0379 EA Class A Converter (GE ANSZSC4A)	274.77	12.79
28 46 21 33-0380 Audio Notification Remote Microphone (28 46 21 33-0360)		
28 46 21 33-0381 EA Microphone (GE ANSMIKE)	97.93	12.79
28 46 21 33-0382 EA Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	427.50	12.79
28 46 21 33-0383 EA Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	427.50	12.79
28 46 21 33-0384 EA Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	93.17	6.40
28 46 21 33-0385 EA Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	48.96	6.40
28 46 21 33-0386 Audio Notification Accessories (28 46 21 33-0360)		
28 46 21 33-0387 EA Audio Matching - Line Input/Output Card (GE ANSAUX)	170.28	12.79
28 46 21 33-0388 EA Class B Backup Amplifier Switching Module (GE ANSBKUP)	170.28	12.79
28 46 21 33-0389 EA Class A Backup Amplifier Switching Module (GE ANSBKUPA)	170.28	12.79
28 46 21 33-0390 EA Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	387.31	12.79
28 46 21 33-0391 Audio Notification Modules, Without Cabinet And Transformer (28 46 21 33-0360)		
28 46 21 33-0392 EA 100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A)	1,425.69	25.59
Note: Excludes cabinet.		
28 46 21 33-0393 EA 100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM)	1,498.03	25.59
Note: Excludes cabinet.		
28 46 21 33-0394 EA 100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)	2,076.78	25.59
Note: Excludes cabinet.		
28 46 21 33-0395 EA 25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A)	774.60	25.59
Note: Excludes cabinet.		
28 46 21 33-0396 EA 25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM)	774.60	25.59
Note: Excludes cabinet.		
28 46 21 33-0397 EA 25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	1,425.69	25.59
28 46 21 33-0398 EA 50W Expander Module (No Microphone Or DMR) (GE ANS50A)	1,136.32	25.59
Note: Excludes cabinet.		
28 46 21 33-0399 EA 50W Expander Module With Microphone (No DMR) (GE ANS50AM)	1,208.66	25.59
Note: Excludes cabinet.		
28 46 21 33-0400 EA 50W Audio Notification Module With DMR And Microphone (GE ANS50AMD)	1,787.41	25.59
Note: Excludes cabinet.		
28 46 21 33-0401 EA Power Transformer, Open Frame, 28 VAC @ 180 VA (EVAX 50/100) (GE ANST28180)	85.13	6.40
28 46 21 33-0402 EA Power Transformer, Open Frame, 28 VAC @ 100 VA (EVAX 25) (GE ANST2885)	61.85	6.40
28 46 21 33-0403 Simplex Fire Alarm (28 46 21 33)		
28 46 21 33-0404 4100 Fire Alarm Control Panel (28 46 21 33-0403)		
28 46 21 33-0405 EA 4100U Master Controller Assembly With LCD And Operator Interface, 9 Amp System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 VAC Input (Simplex 4100-9111)	3,458.35	255.19
28 46 21 33-0406 EA 4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amp System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 VAC Input (Simplex 4100-9141)	3,807.53	255.19
28 46 21 33-0407 EA 4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	5,636.36	255.19
28 46 21 33-0408 EA IDNet Module, Up To 127 Points (Simplex 4100-3104)	2,086.15	255.19
Note: Add-on module.		
28 46 21 33-0409 EA IDNet Module, Up To 64 Points (Simplex 4100-3105)	1,553.63	255.19
Note: Add-on module.		
28 46 21 33-0410 EA Expansion Power Supply, 3 NACs, 120 VAC (Simplex 4100-5101)	1,172.61	63.80
Note: Add-on module.		
28 46 21 33-0411 EA Alarm Relay, 3 Form C Relays, 2 Amp @ 32 VDC, For SPS Or RPS (Simplex 4100-6033)	245.72	12.76
Note: Add-on module.		
28 46 21 33-0412 EA Dual Port RS-232 Interface Card (Simplex 4100-6038)	722.21	12.76
Note: Add-on module.		
28 46 21 33-0413 4100U Backbox (28 46 21 33-0403)		
28 46 21 33-0414 EA 2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425)	1,231.92	51.04
Note: 24" x 40" beige backbox.		
28 46 21 33-0415 EA 3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443)	1,750.00	51.04
Note: 24" x 56" beige backbox.		
28 46 21 33-0416 DACT (Digital Alarm Communicator Transmitter) (28 46 21 33-0403)		
28 46 21 33-0417 EA 6 Zone Fire Control Communicator (Silent Knight SK-5104)	676.25	25.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0418 4010 Fire Alarm Control Panel <small>(28 46 21 33-0403)</small>		
28 46 21 33-0419 EA 120 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	3,244.36	255.19
28 46 21 33-0420 EA 240 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	3,279.67	255.19
28 46 21 33-0421 EA Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	128.39	12.76
28 46 21 33-0422 EA Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	596.29	12.76
28 46 21 33-0423 EA Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	824.20	12.76
28 46 21 33-0424 EA 120 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9813)	417.81	12.76
28 46 21 33-0425 EA 240 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9823)	453.09	12.76
28 46 21 33-0426 EA Battery Meter Module Expansion Module (Simplex 4010-9820)	162.67	12.76
28 46 21 33-0427 Printer <small>(28 46 21 33-0403)</small>		
28 46 21 33-0428 EA 24 Pin Dot Matrix Printer (Simplex 4190-9013)	1,252.52	12.76
28 46 21 33-0429 NAC Panel / Power Booster <small>(28 46 21 33-0403)</small>		
28 46 21 33-0430 EA IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 VAC (Simplex 4009-9201)	769.18	63.80
Note: Power supply for horns and strobes.		
28 46 21 33-0431 Battery <small>(28 46 21 33-0403)</small>		
28 46 21 33-0432 EA 50 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9296)	500.92	12.76
Note: Two required for 24 volt DC.		
28 46 21 33-0433 EA 33 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9276)	329.60	12.76
Note: Two required for 24 volt DC.		
28 46 21 33-0434 EA 6.2 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9272)	112.61	12.76
Note: Two required for 24 volt DC.		
28 46 21 33-0435 Interface Modules <small>(28 46 21 33-0403)</small>		
28 46 21 33-0436 EA Supervised Individual Addressable Modules (Simplex 4090-9001)	89.07	12.76
Note: Monitor modules for waterflow/tamper, etc.		
28 46 21 33-0437 EA Relay Individual Addressable Modules (Simplex 4090-9002)	194.81	12.76
Note: Control modules for gas shutdown, door holders, etc.		
28 46 21 33-0438 EA Relay SPDT With LED MR-801/T (Simplex 2088-9032)	39.25	12.76
Note: Interface relay for 120VAC		
28 46 21 33-0439 EA SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	90.23	12.76
28 46 21 33-0440 EA Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	39.62	6.38
28 46 21 33-0441 EA Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	37.39	6.38
28 46 21 33-0442 Pull Stations <small>(28 46 21 33-0403)</small>		
28 46 21 33-0443 EA Addressable Single Action Manual Pull Station (Simplex 4099-9001)	111.75	12.76
28 46 21 33-0444 EA N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	77.02	12.76
28 46 21 33-0445 EA N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	83.73	12.76
28 46 21 33-0446 EA Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	74.00	12.76
28 46 21 33-0447 EA N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	88.22	12.76
28 46 21 33-0448 EA N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	139.31	12.76
28 46 21 33-0449 EA Pre-Signal, N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	115.08	12.76
28 46 21 33-0450 EA Pre-Signal, N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	137.47	12.76
28 46 21 33-0451 EA Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	58.36	12.76
28 46 21 33-0452 EA Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	62.46	12.76
28 46 21 33-0453 EA Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	75.66	12.76
28 46 21 33-0454 EA N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	123.62	12.76
28 46 21 33-0455 EA Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	221.70	12.76
28 46 21 33-0456 EA Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	65.83	12.76
28 46 21 33-0457 EA Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	41.87	6.38
28 46 21 33-0458 Weatherproof Pull Stations <small>(28 46 21 33-0403)</small>		
28 46 21 33-0459 EA Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	106.76	15.32
28 46 21 33-0460 EA Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	71.62	6.38
28 46 21 33-0461 Heat / Smoke Sensor <small>(28 46 21 33-0403)</small>		
28 46 21 33-0462 EA 32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	104.24	19.14
28 46 21 33-0463 EA Photoelectric Smoke Sensor (Simplex 4098-9714)	159.20	19.14
28 46 21 33-0464 EA Sensor Base With Relay Driver (Simplex 4098-9791)	336.27	6.38
28 46 21 33-0465 EA Standard Sensor Base (Simplex 4098-9792)	168.24	6.38
28 46 21 33-0466 EA Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737)	89.48	12.76
Note: Relay for 4098-9791		
28 46 21 33-0467 Explosion Proof Heat Detector <small>(28 46 21 33-0403)</small>		

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0468	EA		135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	111.27	19.14
28 46 21 33-0469	EA		Explosion Proof Backbox (Killark JLX-21).....	77.71	6.38
28 46 21 33-0470	EA		Explosion Proof Backbox Plugs (Killark CUP-2)	6.52	1.27
28 46 21 33-0471			Weatherproof Heat Detector <small>(28 46 21 33-0403)</small>		
28 46 21 33-0472	EA		194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490).....	75.95	19.14
28 46 21 33-0473			200 Degree F Heat Detector <small>(28 46 21 33-0403)</small>		
28 46 21 33-0474	EA		194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604)..... Note: Used in kiln rooms and kitchens.	60.16	19.14
28 46 21 33-0475			Duct Smoke Sensor <small>(28 46 21 33-0403)</small>		
28 46 21 33-0476	EA		Duct Sensor Housing (Simplex 4098-9755).....	267.65	10.21
28 46 21 33-0477	EA		Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756)..... Note: Relay output for AHU shutdown.	353.24	22.96
28 46 21 33-0478	EA		46" To 71" Duct Sampling Tube (Simplex 2098-9798)..... Note: 25", 49", 73" or 97" sampling tube length.	36.12	6.38
28 46 21 33-0479	EA		Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	82.61	19.14
28 46 21 33-0480			Interior Horn <small>(28 46 21 33-0403)</small>		
28 46 21 33-0481	EA		Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	75.27	19.14
28 46 21 33-0482	EA		White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	75.27	19.14
28 46 21 33-0483			Interior Horn Strobe <small>(28 46 21 33-0403)</small>		
28 46 21 33-0484	EA		Wall Mounted Horn Strobe, 75Cd, Red (Simplex 4903-9426)	110.20	19.14
28 46 21 33-0485	EA		Wall Mounted Horn Strobe, 110Cd, Red (Simplex 4903-9427)	110.20	19.14
28 46 21 33-0486	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127).....	102.23	19.14
28 46 21 33-0487	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128).....	102.23	19.14
28 46 21 33-0488	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	102.23	19.14
28 46 21 33-0489	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	102.23	19.14
28 46 21 33-0490	EA		Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	104.90	19.14
28 46 21 33-0491	EA		Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	104.90	19.14
28 46 21 33-0492	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	109.59	19.14
28 46 21 33-0493	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	107.43	19.14
28 46 21 33-0494	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141).....	109.59	19.14
28 46 21 33-0495	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142).....	107.43	19.14
28 46 21 33-0496	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	102.23	19.14
28 46 21 33-0497	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	102.23	19.14
28 46 21 33-0498	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	102.23	19.14
28 46 21 33-0499	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	102.23	19.14
28 46 21 33-0500			Interior Strobe <small>(28 46 21 33-0403)</small>		
28 46 21 33-0501	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	85.30	19.14
28 46 21 33-0502	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	85.30	19.14
28 46 21 33-0503	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	85.26	19.14
28 46 21 33-0504	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	85.30	19.14
28 46 21 33-0505	EA		Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	95.42	19.14
28 46 21 33-0506	EA		Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	95.42	19.14
28 46 21 33-0507	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	96.07	19.14
28 46 21 33-0508	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	97.83	19.14
28 46 21 33-0509	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	97.83	19.14
28 46 21 33-0510	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	97.83	19.14
28 46 21 33-0511	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	85.30	19.14
28 46 21 33-0512	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202).....	85.30	19.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0513 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	85.30	19.14
28 46 21 33-0514 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	85.30	19.14
28 46 21 33-0515 Interior Speakers (28 46 21 33-0403)		
28 46 21 33-0516 EA Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	66.70	19.14
28 46 21 33-0517 EA White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	66.70	19.14
28 46 21 33-0518 EA Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	66.70	19.14
28 46 21 33-0519 Interior Speaker Strobe (28 46 21 33-0403)		
28 46 21 33-0520 EA Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	118.08	19.14
28 46 21 33-0521 EA White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	118.08	19.14
28 46 21 33-0522 Surge Suppressors (28 46 21 33-0403)		
28 46 21 33-0523 EA Overvoltage Suppressor (Simplex 2081-9044)	83.04	3.82
28 46 21 33-0524 EA Isolated Loop Circuit Protector (Simplex 2081-9028)	52.02	3.82
28 46 21 33-0525 EA 120 VAC, 20 Amp Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	181.28	3.82
28 46 21 33-0526 EA 24 VAC Data And Loop Circuit Surge Protector (Ditek DTK-2MHL24B)	60.01	3.82
28 46 21 33-0527 EA Mounting Base For Two DTK-2MHL (Ditek DTK-2MB)	89.93	6.38
28 46 21 33-0528 EA 120 VAC, 22,500 Amp, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	65.20	3.82
28 46 21 33-0529 EA <105 VAC, 9,000 Amp, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	48.15	3.82
28 46 21 33-0530 Boxes And Adapters (28 46 21 33-0403)		
28 46 21 33-0531 EA Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	37.39	6.38
28 46 21 33-0532 EA Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	35.15	6.38
28 46 21 33-0533 EA Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	30.76	6.38
28 46 21 33-0534 EA White, Surface Mount Adapter Skirt (Simplex 4905-9940)	24.53	6.38
28 46 21 33-0535 Accessories (28 46 21 33-0403)		
28 46 21 33-0536 EA End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	15.36	6.38
28 46 21 33-0537 Siemens Fire Alarm (28 46 21 33)		
28 46 21 33-0538 Conventional Control Panels (28 46 21 33-0537)		
28 46 21 33-0539 SXL Batteries And Power Supplies (28 46 21 33-0538)		
28 46 21 33-0540 EA 6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	706.95	25.52
28 46 21 33-0541 EA Main Board Only For PAD-3 (Siemens PAD-3-MB)	565.48	25.52
28 46 21 33-0542 Digital Fire Communicators (28 46 21 33-0538)		
28 46 21 33-0543 EA Four Channel Digital Slave Fire Communicator (Siemens 5129)	546.83	25.52
28 46 21 33-0544 Addressable Control Panels (28 46 21 33-0537)		
28 46 21 33-0545 Fireseeker Equipment (28 46 21 33-0544)		
28 46 21 33-0546 FS-250 System Panels (28 46 21 33-0545)		
28 46 21 33-0547 EA FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT)	1,549.55	255.19
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 46 21 33-0548 EA FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT)	1,981.68	255.19
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 33-0549 EA FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT)	1,141.38	204.15
Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 33-0550 EA Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	1,552.12	255.19
28 46 21 33-0551 FS-250 Optional Modules (28 46 21 33-0545)		
28 46 21 33-0552 EA Main Board Module (Siemens FS-MB2)	712.10	25.52
28 46 21 33-0553 EA Display Board Module (Siemens FS-DB2)	560.54	12.76
28 46 21 33-0554 EA Device Loop Card (Siemens FS-DLC)	457.65	12.76
28 46 21 33-0555 EA Releasing Module (Siemens FS-REL)	197.86	12.76
28 46 21 33-0556 EA Remote LCD Annunciator (Siemens FS-RD2)	454.43	12.76
28 46 21 33-0557 EA Relay Processor Card (Siemens FS-RU2)	393.34	12.76
28 46 21 33-0558 EA Relay Expander Board (Siemens FS-RE8)	334.18	12.76
28 46 21 33-0559 EA Serial Annunciator Processor Card (Siemens FS-SAU2)	454.43	12.76
28 46 21 33-0560 EA 16 Output Annunciator Extender (Siemens FS-SAE16)	352.19	12.76
28 46 21 33-0561 EA Digital Alarm Communication Transmitter (Siemens FS-DACT)	319.39	12.76
28 46 21 33-0562 EA Municipal Tie Module (Siemens FS-MT)	269.88	12.76

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 21 33-0563	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2).....	235.60	
28 46 21 33-0564	EA	Programming Cable Kit (Siemens CBL-UD)	62.27	6.38
28 46 21 33-0565	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	111.05	12.76
28 46 21 33-0566	EA	Releasing Power Transformer (Siemens FS-RPT-A).....	112.97	12.76
28 46 21 33-0567	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	131.01	10.21
28 46 21 33-0568	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)	221.11	6.38
28 46 21 33-0569		Firefinder Systems (28 46 21 33-0544)		
28 46 21 33-0570		XLS Basic Fire System Packages Without Backbox (28 46 21 33-0569)		
28 46 21 33-0571	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP).....	5,749.12	255.19
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 33-0572	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP).....	5,014.75	255.19
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 33-0573	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP)	5,014.75	255.19
		Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 33-0574	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD).....	8,664.71	255.19
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 46 21 33-0575	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD).....	8,969.51	255.19
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 46 21 33-0576	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP)	4,940.80	255.19
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 33-0577	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP)	4,940.80	255.19
		Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 33-0578	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP)	5,799.92	255.19
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 33-0579		Firefinder - XLS Basic System Equipment (28 46 21 33-0569)		
28 46 21 33-0580	EA	Person Machine Interface With Central Processor (Siemens PMI).....	2,653.67	255.19
		Note: Includes inner door.		
28 46 21 33-0581	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC)	4,551.31	255.19
		Note: Includes inner door.		
28 46 21 33-0582	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT)	2,653.67	255.19
		Note: Includes inner door.		
28 46 21 33-0583	EA	Two Slot Card Cage (Siemens CC-2)	344.47	12.76
28 46 21 33-0584	EA	Five Slot Card Cage (Siemens CC-5)	589.47	12.76
28 46 21 33-0585	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	846.69	12.76
28 46 21 33-0586	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	884.63	12.76
28 46 21 33-0587	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	272.45	12.76
28 46 21 33-0588	EA	Device Loop Card (Siemens DLC).....	1,005.53	12.76
		Note: Interfaces with up to 252 detectors and devices.		
28 46 21 33-0589	EA	Controllable Relay Card (Siemens CRC-6).....	565.04	12.76
		Note: Provides six programmable relays.		
28 46 21 33-0590	EA	12 Amp Power Supply Charger Module (Siemens PSC-12)	2,168.81	12.76
28 46 21 33-0591	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI)	3,511.49	255.19
		Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.		
28 46 21 33-0592	EA	Network Interface Card (Siemens NIC-C).....	662.78	12.76
		Note: Provides HNET Or XNET communication between enclosures.		
28 46 21 33-0593	EA	12 Amp Power Supply Extender (Siemens PSX-12).....	1,802.27	12.76
		Note: Extends PSC-12 with an additional 24 volt DC.		
28 46 21 33-0594	EA	Power Termination Board (Siemens PTB)	295.60	12.76
		Note: Used with systems requiring more than one PSX-12.		
28 46 21 33-0595	EA	Conventional Detector Card (Siemens CDC-4)	638.35	12.76
28 46 21 33-0596	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	1,260.18	12.76
28 46 21 33-0597	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	4,557.74	12.76
28 46 21 33-0598		Remote Lobby Enclosure (28 46 21 33-0569)		
28 46 21 33-0599	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2).....	801.08	51.04
		Note: Flush mounted. Includes clear lens plate on cover.		
28 46 21 33-0600	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4)	1,045.43	51.04
		Note: Flush mounted. Includes clear lens plate on cover.		
28 46 21 33-0601	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP).....	123.91	12.76
		Note: Required to mount up to four SIM-16 or OCM-16 modules.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0602 EA Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) Note: Required to mount up to eight SIM-16 or OCM-16 modules.	136.12	12.76
28 46 21 33-0603 Battery Enclosures (28 46 21 33-0569)		
28 46 21 33-0604 EA Enclosure For 100 Amp Hours Batteries (Siemens CAB-BATT).....	482.12	51.04
28 46 21 33-0605 Graphic Annunciator Output Drivers And Inputs (28 46 21 33-0569)		
28 46 21 33-0606 EA Output Control Module (Siemens OCM-16).....	405.56	12.76
28 46 21 33-0607 EA Supervised Input Module (Siemens SIM-16).....	405.56	12.76
28 46 21 33-0608 Remote LCD Displays (28 46 21 33-0569)		
28 46 21 33-0609 EA Remote LED/LCD System Status Display (Siemens SSD)..... Note: No control or menu capability.	933.75	38.28
28 46 21 33-0610 EA Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	1,056.57	38.28
28 46 21 33-0611 Voice Equipment (28 46 21 33-0569)		
28 46 21 33-0612 EA 40W Zone Amplifier Card (Siemens ZAC-40).....	946.37	12.76
28 46 21 33-0613 EA 180W Zone Amplifier Module (Siemens ZAM-180).....	2,108.36	12.76
28 46 21 33-0614 EA Live Voice Module (Siemens LVM)..... Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	882.71	12.76
28 46 21 33-0615 MXL Series Equipment (28 46 21 33-0544)		
28 46 21 33-0616 MXL Optional Equipment (28 46 21 33-0615)		
28 46 21 33-0617 EA Two Circuit Analog Loop Driver (Siemens ALD-2I).....	1,010.47	25.52
28 46 21 33-0618 EA CXL/MXL Interface Module (Siemens CMI-300).....	2,649.16	12.76
28 46 21 33-0619 EA Four Relay Programmable Relay Module (Siemens CRM-4).....	447.36	12.76
28 46 21 33-0620 EA Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	541.89	12.76
28 46 21 33-0621 EA Remote Conventional Zone Module (Siemens CZM-1B6).....	198.50	12.76
28 46 21 33-0622 EA Short Circuit Line Isolator Module (Siemens Model LIM-1).....	119.41	12.76
28 46 21 33-0623 EA Four Circuit Conventional Zone Module (Siemens CZM-4).....	527.10	12.76
28 46 21 33-0624 EA 12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	179.75	19.14
28 46 21 33-0625 EA Lexan Window For RCC (Siemens GENBOX-VWD).....	123.94	10.21
28 46 21 33-0626 EA Input Driver Module (Siemens MID-16).....	342.54	12.76
28 46 21 33-0627 EA Programmable Output Driver Module (Siemens MOD-16).....	342.54	12.76
28 46 21 33-0628 EA MXL Output/Input Module (Siemens MOI-7).....	553.46	12.76
28 46 21 33-0629 EA Two Slot Network Option Module Card Cage (Siemens MOM-2).....	290.46	12.76
28 46 21 33-0630 EA Four Slot Network Option Module Card Cage (Siemens MOM-4).....	462.15	12.76
28 46 21 33-0631 EA 12 Amp, 220 VAC Power Supply For MXL (Siemens MPS-12/220).....	1,131.81	38.28
28 46 21 33-0632 EA 12 Amp, 240 VAC Power Supply For MXL (Siemens MPS-12/240).....	1,131.81	38.28
28 46 21 33-0633 EA Network Interface Module (Siemens NIM-1W).....	829.98	12.76
28 46 21 33-0634 EA U.L. Listed Parallel Printer (Siemens PAL-1).....	2,159.84	51.04
28 46 21 33-0635 EA Peripheral Interface Module, Model PIM-1 (Siemens 500-691324).....	237.08	12.76
28 46 21 33-0636 EA Surface Mounted Remote Command Center (Siemens RCC-1).....	2,224.11	255.19
28 46 21 33-0637 EA Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	278.04	25.52
28 46 21 33-0638 EA Flush Mounted Remote Command Center (Siemens RCC-1F).....	2,224.11	255.19
28 46 21 33-0639 EA Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	285.75	25.52
28 46 21 33-0640 EA Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	1,667.87	255.19
28 46 21 33-0641 EA MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	2,586.79	255.19
28 46 21 33-0642 EA RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	41.70	6.38
28 46 21 33-0643 EA Remote Diagnostics Module For MXL (Siemens RDM-MXL).....	3,394.90	25.52
28 46 21 33-0644 EA Remote Diagnostics Module For PC (Siemens RDM-PC).....	7,251.27	25.52
28 46 21 33-0645 EA Releasing End Of Line Module (Siemens REL-EOL).....	95.61	12.76
28 46 21 33-0646 EA 36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC).....	2,158.31	25.52
28 46 21 33-0647 EA 36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	2,059.93	25.52
28 46 21 33-0648 EA 8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	1,067.30	51.04
28 46 21 33-0649 Complete MXL And MXLV System Packages Without Enclosure (28 46 21 33-0615)		
28 46 21 33-0650 EA MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB- 2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP)..... Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	7,610.75	255.19
28 46 21 33-0651 EA MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM- 2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP)..... Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	10,020.90	255.19
28 46 21 33-0652 EA MXLV Demonstration Panel (Siemens MXLV DEMO).....	21,276.85	255.19
28 46 21 33-0653 MXL Basic System (28 46 21 33-0615)		
28 46 21 33-0654 EA MXL/MXLV Main Control Board (Siemens MMB-3).....	4,578.12	255.19

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 33-0655	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) .....6,017.91		255.19	
		Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.			
28 46 21 33-0656	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2).....1,817.50		25.52	
28 46 21 33-0657	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5).....2,281.78		25.52	
28 46 21 33-0658	EA	6 Amp Power Supply For MXL (Siemens MPS-6).....771.05		38.28	
28 46 21 33-0659	EA	220/240 VAC Adapter Cable (Siemens CIA-12) .....54.56		6.38	
28 46 21 33-0660		MXL/MXLV System Expansion Accessories (28 46 21 33-0615)			
28 46 21 33-0661	EA	MXL Remote Power Supply Module (Siemens PSR-1) .....953.04		38.28	
28 46 21 33-0662	EA	Style 4 Communication Module (Siemens NET-4).....192.07		12.76	
28 46 21 33-0663	EA	Style 7 Communication Module (Siemens NET-7).....357.33		12.76	
28 46 21 33-0664	EA	MXL/MXLV IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....210.72		12.76	
28 46 21 33-0665		Peripheral Devices (28 46 21 33-0544)			
28 46 21 33-0666		Thermal Detectors (28 46 21 33-0665)			
28 46 21 33-0667	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....69.79		19.14	
28 46 21 33-0668	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....69.79		19.14	
28 46 21 33-0669	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....69.79		19.14	
28 46 21 33-0670	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....69.79		19.14	
28 46 21 33-0671	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....118.02		19.14	
28 46 21 33-0672	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....118.02		19.14	
28 46 21 33-0673	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....312.86		19.14	
28 46 21 33-0674		Beam Smoke Detector (28 46 21 33-0665)			
28 46 21 33-0675	EA	Linear Beam Smoke Detector (Siemens PBA-1191) .....1,524.14		19.14	
28 46 21 33-0676	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191).....172.24		6.38	
28 46 21 33-0677	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192) .....174.17		6.38	
28 46 21 33-0678	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193) .....86.71		6.38	
28 46 21 33-0679		Bases For Detectors (28 46 21 33-0665)			
28 46 21 33-0680	EA	Detector Base (Siemens DB-11).....22.41		6.38	
28 46 21 33-0681	EA	Universal Base (Siemens DB-3S).....20.48		6.38	
28 46 21 33-0682		Manual Stations (28 46 21 33-0665)			
28 46 21 33-0683	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP) .....184.31		15.32	
28 46 21 33-0684		Addressable Devices (28 46 21 33-0544)			
28 46 21 33-0685		Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 21 33-0684)			
28 46 21 33-0686	EA	Addressable Fireprint Fire Detector (Siemens HFP-11).....148.88		19.14	
28 46 21 33-0687	EA	Addressable Thermal Fire Detector (Siemens HFPT-11).....126.38		19.14	
28 46 21 33-0688	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR) .....100.01		19.14	
28 46 21 33-0689	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC) .....62.07		19.14	
28 46 21 33-0690	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW) .....62.07		19.14	
28 46 21 33-0691	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S) .....161.20		12.76	
28 46 21 33-0692	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D) .....153.49		12.76	
28 46 21 33-0693	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....119.41		12.76	
28 46 21 33-0694	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D) .....148.34		12.76	
28 46 21 33-0695	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R) .....148.34		12.76	
28 46 21 33-0696	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M) .....109.76		12.76	
28 46 21 33-0697	EA	Line Isolator Module (Siemens HLIM) .....113.62		12.76	
28 46 21 33-0698	EA	Remote Convention Zone Module (Siemens HZM) .....172.78		12.76	
28 46 21 33-0699	EA	Intelligent Control Point Module (Siemens HCP) .....221.65		12.76	
28 46 21 33-0700	EA	Handheld Programming And Testing Unit (Siemens DPU).....1,015.92			
28 46 21 33-0701	EA	DPU Carrying Case (Siemens DPU-C1).....154.28			
28 46 21 33-0702	EA	Label Printer And Carrying Case (Siemens DPU-PRT) .....1,738.61		12.76	
28 46 21 33-0703		Air Duct Housings And Detectors (28 46 21 33-0684)			
28 46 21 33-0704	EA	Air-Duct Housing (Siemens AD2-P).....179.24		10.21	
28 46 21 33-0705	EA	Air-Duct Housing With Relay (Siemens AD2-XHR).....203.68		10.21	
28 46 21 33-0706	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000) .....159.92		12.76	
28 46 21 33-0707	EA	6" To 1' Duct Sampling Tube (Siemens ST-10) .....20.52		3.82	
28 46 21 33-0708	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25).....25.00		5.11	
28 46 21 33-0709	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50).....31.41		6.38	
28 46 21 33-0710	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100).....36.54		7.66	
28 46 21 33-0711		Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 21 33-0684)			
28 46 21 33-0712	EA	Addressable Fireprint Fire Detector (Siemens FP-11) .....155.96		19.14	
28 46 21 33-0713	EA	Addressable Thermal Fire Detector (Siemens FPT-11).....132.17		19.14	
28 46 21 33-0714	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1).....173.96		19.14	
28 46 21 33-0715	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B) .....156.70		12.76	
28 46 21 33-0716	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B).....174.06		12.76	
28 46 21 33-0717	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S) .....158.63		12.76	
28 46 21 33-0718	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....176.64		12.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0719 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	176.64	12.76
28 46 21 33-0720 Detector Universal Bases <small>(28 46 21 33-0684)</small>		
28 46 21 33-0721 EA Detector Base With Relay (Siemens DB-X11RS).....	73.85	6.38
28 46 21 33-0722 EA PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	35.27	6.38
28 46 21 33-0723 EA Locking Kit (Siemens LK-11).....	5.62	
28 46 21 33-0724 EA Detector Base With Relay (Siemens DB-X3RS).....	73.85	6.38
28 46 21 33-0725 EA Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	86.71	6.38
28 46 21 33-0726 EA Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX).....	33.34	6.38
28 46 21 33-0727 EA Flush Trim Ring For Bases (Siemens RA-ADB).....	15.38	3.82
28 46 21 33-0728 EA Seal For DB-11 (Siemens DB11-SEAL).....	7.17	
28 46 21 33-0729 EA Gasket For DB-11 (Siemens DB-SEAL).....	8.02	
28 46 21 33-0730 EA Detector Guard Housing (Siemens DGH-11).....	110.50	6.38
28 46 21 33-0731 EA Small Detector Base (Siemens DB-11E).....	24.98	6.38
28 46 21 33-0732 EA Audible Base For Series 3 (Siemens ADBI-60A).....	98.29	6.38
28 46 21 33-0733 EA Base Plug (Siemens DB-11-DP).....	5.60	
28 46 21 33-0734 Air Duct Smoke Detectors <small>(28 46 21 33-0684)</small>		
28 46 21 33-0735 EA Intelligent Remote Duct Relay Module (Siemens DA-X3SR).....	77.61	12.76
28 46 21 33-0736 EA Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	441.57	12.76
28 46 21 33-0737 Notification Devices <small>(28 46 21 33-0544)</small>		
28 46 21 33-0738 Synchronization Control Devices <small>(28 46 21 33-0737)</small>		
28 46 21 33-0739 EA Dual Synchronization Control Module (Siemens DSC).....	119.41	12.76
28 46 21 33-0740 Stand Alone Strobes <small>(28 46 21 33-0737)</small>		
28 46 21 33-0741 EA Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	92.94	19.14
28 46 21 33-0742 EA Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R).....	102.58	19.14
28 46 21 33-0743 EA Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR).....	92.94	19.14
28 46 21 33-0744 EA Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR).....	102.58	19.14
28 46 21 33-0745 EA Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	102.58	19.14
28 46 21 33-0746 EA Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	92.94	19.14
28 46 21 33-0747 EA Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	109.66	19.14
28 46 21 33-0748 EA Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP).....	104.51	19.14
28 46 21 33-0749 EA Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP).....	104.51	19.14
28 46 21 33-0750 EA Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP).....	112.87	19.14
28 46 21 33-0751 EA Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	112.87	19.14
28 46 21 33-0752 Horns And Strobes <small>(28 46 21 33-0737)</small>		
28 46 21 33-0753 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R).....	130.88	19.14
28 46 21 33-0754 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R).....	139.24	19.14
28 46 21 33-0755 EA Wall Mounted Horn (Siemens SE-R).....	69.79	19.14
28 46 21 33-0756 EA Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	130.88	19.14
28 46 21 33-0757 EA Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	139.24	19.14
28 46 21 33-0758 EA Ceiling Mounted Horn (Siemens SEC-R).....	73.65	19.14
28 46 21 33-0759 EA Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R).....	130.88	19.14
28 46 21 33-0760 EA Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R).....	139.24	19.14
28 46 21 33-0761 EA Wall Mounted Low Profile Horn (Siemens SEF-R).....	69.79	19.14
28 46 21 33-0762 EA Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW).....	130.88	19.14
28 46 21 33-0763 EA Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	139.24	19.14
28 46 21 33-0764 EA Ceiling Mounted Low Profile Horn (Siemens SEF-CR).....	73.65	19.14
28 46 21 33-0765 EA Mini Horn (Siemens MH-R).....	55.64	19.14
28 46 21 33-0766 EA Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	74.93	19.14
28 46 21 33-0767 EA Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R).....	122.52	19.14
28 46 21 33-0768 EA Industrial Tri-Tone Horn (Siemens ASR).....	375.88	19.14
28 46 21 33-0769 EA Wall Mounted Horn (Siemens HS-R).....	74.93	19.14
28 46 21 33-0770 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	123.16	19.14
28 46 21 33-0771 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	133.45	19.14
28 46 21 33-0772 EA 6" Motor Bell (Siemens MBDC-6).....	87.79	19.14
28 46 21 33-0773 EA 10" Motor Bell (Siemens MBDC-10).....	97.44	19.14
28 46 21 33-0774 Mounting Accessories <small>(28 46 21 33-0737)</small>		
28 46 21 33-0775 EA Concealed Conduit Adapter Plate (Siemens APS-R).....	20.48	6.38
28 46 21 33-0776 EA 4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R).....	20.48	6.38
28 46 21 33-0777 EA 4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	21.12	6.38
28 46 21 33-0778 EA Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX).....	36.55	6.38
28 46 21 33-0779 EA White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	28.19	6.38
28 46 21 33-0780 EA Surface Mounted Speaker Backbox (Siemens SBBS-R).....	30.12	6.38
28 46 21 33-0781 EA Surface Mounted Speaker Backbox (Siemens SBL2S-R).....	32.69	6.38
28 46 21 33-0782 EA Square Semi-Flush Extension Ring (Siemens SERS-R).....	24.98	6.38
28 46 21 33-0783 EA Semi-Flush Plate (Siemens SFPS-R).....	19.83	6.38
28 46 21 33-0784 EA Square Surface Backbox (Siemens SHBBS-R).....	24.98	6.38
28 46 21 33-0785 EA Horn Adapter Plate (Siemens SHMPS-R).....	23.69	6.38
28 46 21 33-0786 EA Ceiling Speaker Extension Ring (Siemens SPECT-R).....	20.48	6.38
28 46 21 33-0787 EA Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R).....	28.19	6.38
28 46 21 33-0788 EA Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R).....	30.12	6.38
28 46 21 33-0789 EA Weatherproof Speaker Backbox (Siemens WBSB-R).....	28.84	6.38



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 33-0790	EA	Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	32.69		6.38
28 46 21 33-0791	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	32.69		6.38
28 46 21 33-0792	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	32.69		6.38
28 46 21 33-0793	EA	Weatherproof Horn Backbox (Siemens WPBBS-R)	30.12		6.38
28 46 21 33-0794	EA	Weatherproof Strobe Backbox (Siemens WPSBBS-R)	30.12		6.38
28 46 21 33-0795	EA	Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT)	20.48		6.38
28 46 21 33-0796	EA	Z Series Backbox (Siemens ZBB-R)	23.69		6.38
28 46 21 33-0797	Door Holders <small>(28 46 21 33-0737)</small>				
28 46 21 33-0798	EA	120 VAC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	204.19		19.14
28 46 21 33-0799	EA	24 VDC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	204.19		19.14
28 46 21 33-0800	Voice Equipment <small>(28 46 21 33-0544)</small>				
28 46 21 33-0801	Voicocom <small>(28 46 21 33-0800)</small>				
28 46 21 33-0802	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, PAGING Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICCOM)	3,156.53		255.19
28 46 21 33-0803	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, PAGING Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	5,117.83		255.19
28 46 21 33-0804	Honeywell Fire Alarm <small>(28 46 21 33)</small>				
28 46 21 33-0805	Notifier Fire Alarm <small>(28 46 21 33-0804)</small>				
28 46 21 33-0806	Fire Alarm Control Panel And Accessories <small>(28 46 21 33-0805)</small>				
28 46 21 33-0807	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	3,342.67		255.19
28 46 21 33-0808	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	2,669.59		255.19
28 46 21 33-0809	EA	Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	3,334.75		255.19
28 46 21 33-0810	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	3,459.90		255.19
28 46 21 33-0811	EA	Black, 240 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	3,354.32		255.19
28 46 21 33-0812	EA	Red, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	3,354.32		255.19
28 46 21 33-0813	EA	Two-Tone Sequential Module (Notifier 2TTM)	194.10		12.76
28 46 21 33-0814	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	60.12		2.55
28 46 21 33-0815	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	116.68		5.11
28 46 21 33-0816	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	177.69		7.66
28 46 21 33-0817	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	298.13		
28 46 21 33-0818	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	42.59		
28 46 21 33-0819	EA	120VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	3,268.25		255.19
28 46 21 33-0820	EA	240VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	3,268.25		255.19
28 46 21 33-0821	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	156.83		2.55
28 46 21 33-0822	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	45.04		2.55
28 46 21 33-0823	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	54.57		5.11
28 46 21 33-0824	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	60.67		6.38
28 46 21 33-0825	EA	IP Communicator (Notifier IPDACT-2)	518.85		12.76
28 46 21 33-0826	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	607.58		12.76
28 46 21 33-0827	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC)	124.01		12.76
		Note: Includes IPBRKT.			
28 46 21 33-0828	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B)	124.01		12.76
		Note: Includes IPBRKT			
28 46 21 33-0829	EA	Single Or Dual Path Commercial Fire Communicator (Notifier IPGSM-4G)	721.49		19.14
28 46 21 33-0830	EA	Dual 8TPC To Single 8TPC "Y" Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	29.73		5.11
28 46 21 33-0831	EA	Loop Control Module (Notifier LCM-320)	1,378.72		25.52
28 46 21 33-0832	EA	Loop Expander Module (Notifier LEM-320)	1,190.43		25.52
28 46 21 33-0833	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,039.98		25.52
28 46 21 33-0834	EA	7' DACT Phone Cord (Notifier MCBL-7)	13.98		
28 46 21 33-0835	EA	Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	124.56		6.38
28 46 21 33-0836	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	137.32		12.76
28 46 21 33-0837	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	137.32		12.76
28 46 21 33-0838	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	580.07		12.76
28 46 21 33-0839	EA	Universal Zone Coder (Notifier UZC-256)	788.58		12.76
28 46 21 33-0840	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI)	241.13		
		Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.			
28 46 21 33-0841	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	471.19		
28 46 21 33-0842	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	286.63		
28 46 21 33-0843	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	3,764.08		7.66
28 46 21 33-0844	ONYX Cabinets <small>(28 46 21 33-0805)</small>				
28 46 21 33-0845	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	338.39		6.38
28 46 21 33-0846	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	455.51		6.38
28 46 21 33-0847	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	563.76		6.38
28 46 21 33-0848	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	74.77		7.66
28 46 21 33-0849	EA	Chassis Bridge (Notifier CB-1)	66.00		6.38
28 46 21 33-0850	EA	Four Position Chassis (Notifier CHS-4)	118.35		6.38
28 46 21 33-0851	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	129.34		12.76
28 46 21 33-0852	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	56.58		7.66
28 46 21 33-0853	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	82.75		7.66



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains multiple rows of item descriptions and costs.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1008 FireVoice-25/50 Emergency Voice Evacuation Control Panels <small>(28 46 21 33-0805)</small>		
28 46 21 33-1009 EA 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	2,644.79	255.19
28 46 21 33-1010 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	1,806.77	255.19
28 46 21 33-1011 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV- 25/50DAZS).....	2,408.66	255.19
28 46 21 33-1012 EA Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	3,195.76	255.19
28 46 21 33-1013 EA Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	3,556.89	255.19
28 46 21 33-1014 System Printer <small>(28 46 21 33-0805)</small>		
28 46 21 33-1015 EA 80 Column, 120 VAC, Desktop Printer (Notifier PRN-6)	1,575.80	12.76
28 46 21 33-1016 Batteries <small>(28 46 21 33-0805)</small>		
28 46 21 33-1017 EA 5 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1250-BP)	430.12	12.76
28 46 21 33-1018 EA 7 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1270-BP)	326.43	12.76
28 46 21 33-1019 EA 12 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12120-BP)	433.77	12.76
28 46 21 33-1020 EA 18 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12180-BP)	247.24	12.76
28 46 21 33-1021 EA 26 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12260-BP)	351.06	12.76
28 46 21 33-1022 EA 55 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-12550).....	350.18	12.76
28 46 21 33-1023 EA 100 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-121000)	565.57	12.76
28 46 21 33-1024 Battery Backboxes And Miscellaneous Mechanicals <small>(28 46 21 33-0805)</small>		
28 46 21 33-1025 EA 14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	99.38	10.21
28 46 21 33-1026 EA 24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25)	161.49	10.21
Note: XP6 modules require a CHS-6.		
28 46 21 33-1027 EA 15.6" x 15.5" x 5.152", Mounts Up To Two 26 Amp Hour And Charger, Battery Backbox (Notifier BB-26)	241.09	51.04
28 46 21 33-1028 EA Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH).....	114.04	25.52
28 46 21 33-1029 EA Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH1).....	59.79	6.38
28 46 21 33-1030 EA Battery Bracket For Two 26 Amp Hour Batteries (Notifier SEISKIT-BB25).....	179.23	10.21
28 46 21 33-1031 EA Two 26 Amp Hour Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	135.76	10.21
28 46 21 33-1032 EA Two 12 Amp Hour Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT- DAA).....	151.73	10.21
28 46 21 33-1033 EA Two 55 Amp Hour Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB).....	165.92	10.21
28 46 21 33-1034 Power Supplies And Chargers <small>(28 46 21 33-0805)</small>		
28 46 21 33-1035 EA 120 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610)	1,103.02	19.14
28 46 21 33-1036 EA 220/240 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610E)	1,103.02	19.14
28 46 21 33-1037 EA Addressable Power Supply, 120 VAC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,106.84	12.76
28 46 21 33-1038 EA 6A Auxiliary Power Supply (Notifier APS-6R)	556.11	12.76
28 46 21 33-1039 EA 10 Amp Battery Charger (Notifier BC10A)	685.99	19.14
28 46 21 33-1040 EA 33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-100)	397.95	15.32
28 46 21 33-1041 EA 33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-100R)	397.95	15.32
28 46 21 33-1042 EA 30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-200)	581.62	15.32
28 46 21 33-1043 EA 30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	581.62	15.32
28 46 21 33-1044 EA 15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1).....	94.73	12.76
28 46 21 33-1045 EA 25 To 120 Amp Hour Battery Charger (Notifier CHG-120)	849.93	12.76
28 46 21 33-1046 EA Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	55.35	6.38
28 46 21 33-1047 EA Replacement Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	92.62	6.38
28 46 21 33-1048 EA 8.0 Amps, 120 VAC Remote Charger Power Supply (Notifier FCPS-24S8)	558.70	12.76
28 46 21 33-1049 EA 8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8E).....	614.25	38.28
28 46 21 33-1050 EA Red, 8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8R)	614.25	38.28
28 46 21 33-1051 EA 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8).....	709.19	38.28
28 46 21 33-1052 EA 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	709.19	38.28
28 46 21 33-1053 EA Chassis Mounted, 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	703.74	19.14
28 46 21 33-1054 EA Chassis Mounted, 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	703.74	19.14
28 46 21 33-1055 EA 12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12).....	859.01	19.14
28 46 21 33-1056 EA 12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	859.01	19.14
28 46 21 33-1057 EA Chassis Mounted, 12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	892.73	38.28
28 46 21 33-1058 EA Chassis Mounted, 12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	892.73	38.28
28 46 21 33-1059 EA 6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF24S6)	583.20	38.28
28 46 21 33-1060 EA 6 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF24S6E).....	583.20	38.28
28 46 21 33-1061 EA 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF24S8)	633.77	38.28
28 46 21 33-1062 EA 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF24S8E).....	633.77	38.28
28 46 21 33-1063 EA 6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF602ULADA).....	498.02	38.28
28 46 21 33-1064 EA 9 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF902ULADA).....	597.39	38.28
28 46 21 33-1065 EA Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	123.67	6.38
28 46 21 33-1066 EA Main Power Supply And Charger, Up To 3 Amps (Notifier MPS-24A).....	812.61	12.76
28 46 21 33-1067 EA Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	135.54	12.76
28 46 21 33-1068 Network Control Annunciators <small>(28 46 21 33-0805)</small>		
28 46 21 33-1069 EA Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	1,528.30	38.28
28 46 21 33-1070 EA Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	51.39	7.66

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

City of Miami

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1071 EA Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	34.68	7.66
28 46 21 33-1072 FIRSTVISION Firefighter's Display (28 46 21 33-0805)		
28 46 21 33-1073 EA Replacement ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	11,578.85	255.19
28 46 21 33-1074 FlashScan Addressable Modules (28 46 21 33-0805)		
28 46 21 33-1075 EA Intelligent Addressable Control Module (Notifier FCM-1)	121.42	12.76
28 46 21 33-1076 EA Addressable Dual Monitor Module (Notifier FDM-1)	137.26	12.76
28 46 21 33-1077 EA Intelligent Addressable Monitor Module (Notifier FMM-1)	98.55	12.76
28 46 21 33-1078 EA Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	86.23	12.76
28 46 21 33-1079 EA Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	192.69	12.76
28 46 21 33-1080 EA Intelligent Addressable Relay Module (Notifier FRM-1)	116.14	12.76
28 46 21 33-1081 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	156.62	12.76
28 46 21 33-1082 EA SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	96.79	12.76
28 46 21 33-1083 Addressable Device Bases And Accessories (28 46 21 33-0805)		
28 46 21 33-1084 EA Intelligent Detector Base With Flange (Notifier B710LP)	30.35	6.38
28 46 21 33-1085 EA Weatherproof Device Housing (Notifier DH4000E-1)	334.34	12.76
28 46 21 33-1086 XP6/XP10 Transponder (28 46 21 33-0805)		
28 46 21 33-1087 EA Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	85.79	12.76
28 46 21 33-1088 EA Six Circuit Supervised Control Module (Notifier XP6-C)	486.56	12.76
28 46 21 33-1089 EA Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	592.14	12.76
28 46 21 33-1090 EA Six Relay Control Module (Notifier XP6-R)	467.20	12.76
28 46 21 33-1091 EA Ten Input Monitor Module (Notifier XP10-M)	565.74	12.76
28 46 21 33-1092 LCD Display Annunciators (28 46 21 33-0805)		
28 46 21 33-1093 EA 80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	600.06	38.28
28 46 21 33-1094 EA 80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	859.62	38.28
28 46 21 33-1095 EA 640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	891.29	38.28
28 46 21 33-1096 EA 8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	605.80	12.76
28 46 21 33-1097 EA 8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	313.89	12.76
28 46 21 33-1098 EA Eight Switch Smoke Control Master Module (Notifier SCS-8)	792.13	12.76
28 46 21 33-1099 ONYX ACM And AEM Series LED Annunciators (28 46 21 33-0805)		
28 46 21 33-1100 EA Remote, Eight Form C Relay Module (Notifier ACM-8R)	348.49	12.76
28 46 21 33-1101 EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	649.33	12.76
28 46 21 33-1102 EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	493.59	12.76
28 46 21 33-1103 EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	649.33	12.76
28 46 21 33-1104 EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	493.59	12.76
28 46 21 33-1105 EA 32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	493.59	12.76
28 46 21 33-1106 EA 32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	440.80	12.76
28 46 21 33-1107 EA 48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	493.59	12.76
28 46 21 33-1108 EA 48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	440.80	12.76
28 46 21 33-1109 Graphic Annunciator - Lamp Driver Modules (28 46 21 33-0805)		
28 46 21 33-1110 EA Single Annunciator Flush Mounted Backbox (Notifier ABF-1B)	179.50	25.52
28 46 21 33-1111 EA Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB)	197.97	25.52
28 46 21 33-1112 EA Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	224.81	31.90
28 46 21 33-1113 EA Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB)	248.57	31.90
28 46 21 33-1114 EA Four Annunciator Flush Mounted Backbox (Notifier ABF-4B)	407.81	44.66
28 46 21 33-1115 EA Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	72.95	7.66
28 46 21 33-1116 EA Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	104.27	25.52
28 46 21 33-1117 EA Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB)	109.47	6.38
28 46 21 33-1118 EA Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	138.14	25.52
28 46 21 33-1119 EA 12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D)	260.88	31.90
28 46 21 33-1120 EA Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	211.51	6.38
28 46 21 33-1121 EA Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D)	431.57	44.66
28 46 21 33-1122 EA Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR)	360.47	7.66
28 46 21 33-1123 EA Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB)	129.55	10.21
28 46 21 33-1124 EA Annunciator Key Switch (Notifier AKS-1B)	65.33	3.82
28 46 21 33-1125 EA Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	62.91	12.76
28 46 21 33-1126 EA 32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	440.80	12.76
28 46 21 33-1127 EA 24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	131.99	2.55
28 46 21 33-1128 EA 48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	165.71	2.55
28 46 21 33-1129 EA 32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	360.74	12.76
28 46 21 33-1130 EA Lamp Driver Module (Notifier LDM-R32)	645.73	12.76
28 46 21 33-1131 EA Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	597.82	12.76
28 46 21 33-1132 EA 48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	168.37	2.55
28 46 21 33-1133 EA Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	130.67	7.66
28 46 21 33-1134 EA Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	76.54	7.66
28 46 21 33-1135 EA Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	76.54	7.66
28 46 21 33-1136 Network Gateways (28 46 21 33-0805)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1137 EA Common Alerting Protocol Gateway (Notifier CAP-GW)	2,465.54	12.76
28 46 21 33-1138 EA PC Version, Receivers Gateway (Notifier DACR-GW)	1,924.30	12.76
28 46 21 33-1139 EA Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	1,835.57	12.76
28 46 21 33-1140 EA Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	2,057.39	12.76
28 46 21 33-1141 EA Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	2,288.08	12.76
28 46 21 33-1142 EA Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	1,746.84	12.76
28 46 21 33-1143 EA Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	1,791.21	12.76
28 46 21 33-1144 EA Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	2,017.46	12.76
28 46 21 33-1145 EA Modbus Gateway (Notifier MODBUS-GW)	1,924.30	12.76
28 46 21 33-1146 EA 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	2,340.61	8.42
28 46 21 33-1147 EA Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	3,502.06	8.42
28 46 21 33-1148 EA 1920x1080P Wide Screen (Notifier MON-42LCDW)	11,169.04	8.42
28 46 21 33-1149 EA Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	428.68	19.14
28 46 21 33-1150 EA Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	805.78	19.14
28 46 21 33-1151 EA Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	1,187.31	19.14
28 46 21 33-1152 EA Mass Notification Voice Paging (Notifier NOTIFY-IP)	931.64	
28 46 21 33-1153 EA Non UL Listed Applications, Mass Notification Voice Paging (Notifier NOTIFY-IP-NOUL)	931.64	
28 46 21 33-1154 EA Embedded NFN Gateway (Notifier NFN-GW-EM)	1,908.38	12.76
28 46 21 33-1155 EA NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	1,908.38	12.76
28 46 21 33-1156 EA High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	2,811.58	12.76
28 46 21 33-1157 EA High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	3,281.84	12.76
28 46 21 33-1158 EA High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	2,811.58	12.76
28 46 21 33-1159 EA NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	1,908.38	12.76
28 46 21 33-1160 EA E-Mail Option For ONYXworks (Notifier ONYX-NOTIFY)	931.64	
28 46 21 33-1161 EA Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	931.64	
28 46 21 33-1162 EA ONYXWorks Workstation (Notifier ONYXWORKS-WS)	16,752.32	306.23
28 46 21 33-1163 EA Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW)	3,651.20	
Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 21 33-1164 EA Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF)	3,651.20	
Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 21 33-1165 EA Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	843.59	12.76
28 46 21 33-1166 EA Wire, Standard Network Repeater Board (Notifier RPT-W)	681.22	12.76
28 46 21 33-1167 EA Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	820.52	12.76
28 46 21 33-1168 EA Signaling Line Circuit Integration Module (Notifier SLC-IM)	908.36	12.76
28 46 21 33-1169 EA VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	1,924.30	12.76
28 46 21 33-1170 EA Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	1,587.13	12.76
28 46 21 33-1171 EA Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3)	1,774.56	
28 46 21 33-1172 NOTI-FIRE-NET Network Components (28 46 21 33-0805)		
28 46 21 33-1173 EA Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	1,908.38	12.76
28 46 21 33-1174 EA Fiber Optic Network Communications Module (Notifier NCM-F)	841.13	12.76
28 46 21 33-1175 EA NOTI-FIRE-NET Web Server (Notifier NWS)	1,908.38	12.76
28 46 21 33-1176 EA Wired Network Communications Module (Notifier NCM-W)	800.66	12.76
28 46 21 33-1177 EA Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	70.17	6.38
28 46 21 33-1178 FireWarden Addressable Fire Panels (28 46 21 33-0805)		
28 46 21 33-1179 EA 50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	1,350.63	255.19
28 46 21 33-1180 EA Black, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	1,662.97	255.19
28 46 21 33-1181 EA Black, One DC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	1,672.72	127.59
28 46 21 33-1182 EA Black, One SLC Loop, 240 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	1,672.72	127.59
28 46 21 33-1183 EA Red, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R)	1,672.72	127.59
28 46 21 33-1184 FireWarden Accessories (28 46 21 33-0805)		
28 46 21 33-1185 EA Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100)	126.12	19.14
28 46 21 33-1186 EA Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	125.23	19.14
28 46 21 33-1187 FireWarden Devices (28 46 21 33-0805)		
28 46 21 33-1188 EA SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	95.91	12.76
28 46 21 33-1189 EA Intelligent Addressable Control Module (Notifier NC-100)	117.02	12.76
28 46 21 33-1190 EA Intelligent Addressable Relay Module (Notifier NC-100R)	111.74	12.76
28 46 21 33-1191 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	250.33	19.14
28 46 21 33-1192 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	305.89	19.14
28 46 21 33-1193 EA Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100)	111.74	12.76
28 46 21 33-1194 EA Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	106.91	19.14
28 46 21 33-1195 EA Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	106.91	19.14
28 46 21 33-1196 EA Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	106.91	19.14
28 46 21 33-1197 EA Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	152.66	19.14
28 46 21 33-1198 EA Intelligent Addressable Monitor Module (Notifier NMM-100)	94.15	12.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1264 EA 194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	115.71	19.14
28 46 21 33-1265 FM Series Door Releases (28 46 21 33-0805)		
28 46 21 33-1266 EA 1/2" Door Holder Spacer (Notifier FM900-50)	18.22	3.82
28 46 21 33-1267 EA 3/4" Door Holder Spacer (Notifier FM900-75)	18.22	3.82
28 46 21 33-1268 EA 1" Door Holder Spacer (Notifier FM900-100)	18.22	3.82
28 46 21 33-1269 EA Door Holder Extension Kit (Notifier FM900)	19.54	3.82
28 46 21 33-1270 EA 90 Degree Door Holder Extension Kit (Notifier FM900-Z)	19.98	3.82
28 46 21 33-1271 EA Floor Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM980)	144.74	19.14
28 46 21 33-1272 EA Surface Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM996)	122.74	19.14
28 46 21 33-1273 EA Recessed Mounted, Concealed Wiring, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM998)	122.74	19.14
28 46 21 33-1274 Multicriteria Fire Detector (28 46 21 33-0805)		
28 46 21 33-1275 EA Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	233.48	19.14
28 46 21 33-1276 EA Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851)	213.96	19.14
Note: Detects fire, thermal, photo, CO and IR, with Flashscan.		
28 46 21 33-1277 EA Low Profile Intelligent Addressable Photoelectric Smoke Detector With Built-In 135°F Fixed Temperature Thermal Device (Notifier FSP-851T)	130.56	19.14
28 46 21 33-1278 Modules (28 46 21 33-0805)		
28 46 21 33-1279 EA Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	276.62	12.76
28 46 21 33-1280 EA Addressable Firephone Control Module (Notifier FTM-1)	156.84	12.76
28 46 21 33-1281 DH Series Door Releases (28 46 21 33-0805)		
28 46 21 33-1282 EA Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	121.68	19.14
28 46 21 33-1283 EA Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	130.91	19.14
28 46 21 33-1284 EA Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	140.32	19.14
28 46 21 33-1285 EA Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	137.66	19.14
28 46 21 33-1286 EA Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	145.64	19.14
28 46 21 33-1287 EA Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	151.85	19.14
28 46 21 33-1288 EA Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	121.68	19.14
28 46 21 33-1289 EA Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	130.56	19.14
28 46 21 33-1290 EA Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	140.32	19.14
28 46 21 33-1291 EA Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	161.61	19.14
28 46 21 33-1292 EA Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	174.03	19.14
28 46 21 33-1293 EA Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	188.23	19.14
28 46 21 33-1294 EA Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	191.78	19.14
28 46 21 33-1295 EA Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	205.98	19.14
28 46 21 33-1296 EA Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	223.72	19.14
28 46 21 33-1297 EA .5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	13.63	2.55
28 46 21 33-1298 EA .5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	13.63	2.55
28 46 21 33-1299 EA .5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	15.05	2.55
28 46 21 33-1300 EA 1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	13.63	2.55
28 46 21 33-1301 EA 1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	13.63	2.55
28 46 21 33-1302 EA 1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	15.05	2.55
28 46 21 33-1303 EA 1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	14.69	2.55
28 46 21 33-1304 EA 1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	14.69	2.55
28 46 21 33-1305 EA 1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	15.05	2.55
28 46 21 33-1306 EA 1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	16.11	2.55
28 46 21 33-1307 EA 2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	16.11	2.55
28 46 21 33-1308 EA 2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	16.11	2.55
28 46 21 33-1309 EA 2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	16.64	2.55
28 46 21 33-1310 EA 2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	17.00	2.55
28 46 21 33-1311 EA 3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	17.00	2.55
28 46 21 33-1312 EA 3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	18.06	2.55
28 46 21 33-1313 EA 3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	18.06	2.55
28 46 21 33-1314 EA 4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	18.42	2.55
28 46 21 33-1315 EA 4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	18.42	2.55
28 46 21 33-1316 EA 4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	19.31	2.55
28 46 21 33-1317 EA 4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	21.97	2.55
28 46 21 33-1318 EA 5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	19.31	2.55
28 46 21 33-1319 EA 5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	20.37	2.55
28 46 21 33-1320 EA 5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	21.97	2.55
28 46 21 33-1321 EA Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP)	18.84	3.82
28 46 21 33-1322 EA Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	19.55	3.82
28 46 21 33-1323 EA Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	21.86	3.82
28 46 21 33-1324 EA Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	38.36	3.82
28 46 21 33-1325 EA Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	41.20	3.82
28 46 21 33-1326 EA Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	44.04	3.82
28 46 21 33-1327 EA Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	31.93	6.38
28 46 21 33-1328 EA Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	34.05	6.38
28 46 21 33-1329 EA Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	37.07	6.38
28 46 21 33-1330 EA Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	239.57	
28 46 21 33-1331 EA Two Piece Extension Wrench (Notifier DHW)	2.66	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21	33-1332		First Command <small>(28 46 21 33-0805)</small>		
28 46 21	33-1333	EA	Black, 120 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100).....	3,770.10	318.99
28 46 21	33-1334	EA	Black, 220-240 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E).....	3,770.10	318.99
28 46 21	33-1335	EA	Black, 120 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA).....	1,207.63	25.52
28 46 21	33-1336	EA	Black, 220-240 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE).....	1,207.63	25.52
28 46 21	33-1337	EA	Black, 120 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	2,265.27	25.52
28 46 21	33-1338	EA	Black, 220-240 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE).....	2,265.27	25.52
28 46 21	33-1339	EA	50 Watts, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt).....	491.34	12.76
28 46 21	33-1340	EA	50 Watts, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt).....	491.34	12.76
28 46 21	33-1341	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4).....	328.08	12.76
28 46 21	33-1342	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6).....	469.16	12.76
28 46 21	33-1343	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT).....	1,659.26	25.52
			Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.		
28 46 21	33-1344	EA	Local Operator Console (Notifier NFC-LOC).....	1,602.47	25.52
			Note: Includes built-in microphone, message and zone control switches, black.		
28 46 21	33-1345	EA	Black, Remote Microphone (Notifier NFC-RM).....	478.92	
28 46 21	33-1346	EA	Remote Page Unit (Notifier NFC-RPU).....	1,344.27	25.52
			Note: Includes built-in microphone, message control switches, black.		
28 46 21	33-1347	EA	Remote Telephone Zone Module (Notifier NFC-RTZM).....	625.32	12.76
28 46 21	33-1348	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V).....	244.68	12.76
28 46 21	33-1349	EA	Firefighters Phone Jack (Notifier N-FPJ).....	115.91	3.82
28 46 21	33-1350	EA	Thumbatch Option For NFC-LOC And NFC-RPU (Notifier THUMBATCH).....	28.95	3.82
28 46 21	33-1351	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B).....	94.29	7.66
28 46 21	33-1352		LED Displays <small>(28 46 21 33-0805)</small>		
28 46 21	33-1353	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215).....	1,139.72	15.32
28 46 21	33-1354	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW).....	1,939.61	20.41
28 46 21	33-1355	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT).....	1,992.85	20.41
28 46 21	33-1356	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8).....	1,327.39	20.41
28 46 21	33-1357	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16).....	2,037.21	20.41
28 46 21	33-1358	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V).....	1,992.85	20.41
28 46 21	33-1359		Control Relays <small>(28 46 21 33-0805)</small>		
28 46 21	33-1360	EA	Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR).....	42.93	6.38
28 46 21	33-1361	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T).....	32.28	6.38
28 46 21	33-1362	EA	Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR).....	117.80	12.76
28 46 21	33-1363	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T).....	74.87	6.38
28 46 21	33-1364	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T).....	90.84	6.38
28 46 21	33-1365	EA	24 VDC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	103.60	12.76
28 46 21	33-1366	EA	120 VAC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	103.60	12.76
28 46 21	33-1367	EA	Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR).....	59.24	12.76
28 46 21	33-1368	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T).....	35.39	6.38
28 46 21	33-1369	EA	Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR).....	136.43	12.76
28 46 21	33-1370	EA	24 VDC/24 VAC/115 VAC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-1).....	39.72	12.76
28 46 21	33-1371	EA	12/24 VDC, 7 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-2).....	39.72	12.76
28 46 21	33-1372	EA	9 To 40 VDC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-4).....	39.72	12.76
28 46 21	33-1373		Gamewell-FCI Fire Control Instruments <small>(28 46 21 33-0805)</small>		
28 46 21	33-1374		7100 Series And NetSOLO® <small>(28 46 21 33-1373)</small>		
28 46 21	33-1375		7100 Compact Analog Addressable Fire Alarm Control Panels <small>(28 46 21 33-1374)</small>		
28 46 21	33-1376	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M).....	525.90	153.12
28 46 21	33-1377	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2).....	2,367.57	255.19
28 46 21	33-1378	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	2,623.25	255.19
28 46 21	33-1379	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2-E).....	2,367.57	255.19
28 46 21	33-1380	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2D-E).....	2,623.25	255.19
28 46 21	33-1381	EA	Replacement Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	838.78	25.52
28 46 21	33-1382	EA	Replacement Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	1,009.83	25.52
28 46 21	33-1383	EA	Analog Loop Unit (Gamewell-FCI ALU).....	1,009.83	25.52
28 46 21	33-1384		NetSOLO® Intelligent Network <small>(28 46 21 33-1374)</small>		
28 46 21	33-1385	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO).....	1,122.36	25.52
			Note: Mounted in 7100 panel.		
28 46 21	33-1386	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP).....	887.39	25.52
			Note: Mounted in 7100 panel.		
28 46 21	33-1387		Components And Accessories <small>(28 46 21 33-1374)</small>		
28 46 21	33-1388	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	547.83	19.14



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1389	EA		Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	407.55	25.52
28 46 21 33-1390	EA		Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	764.95	25.52
28 46 21 33-1391	EA		Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	295.91	25.52
28 46 21 33-1392	EA		Replacement Enclosure Box (Gamewell-FCI EN-7100)	216.41	51.04
28 46 21 33-1393	EA		Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	810.56	12.76
28 46 21 33-1394			E3 Series® Basic System (28 46 21 33-1373)		
28 46 21 33-1395	EA		Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	714.65	25.52
28 46 21 33-1396	EA		Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	608.76	25.52
28 46 21 33-1397	EA		Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	714.65	25.52
28 46 21 33-1398	EA		Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	608.76	25.52
28 46 21 33-1399	EA		LCD Keypad Display (Gamewell-FCI LCD-E3)	459.91	25.52
28 46 21 33-1400	EA		Power Supply Module (Gamewell-FCI PM-9)	609.10	25.52
28 46 21 33-1401	EA		Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX)	509.18	25.52
28 46 21 33-1402	EA		Power Supply And Charger, 120/220 VAC (Gamewell-FCI PM-9G 9A)	513.81	12.76
28 46 21 33-1403	EA		Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	280.48	25.52
28 46 21 33-1404	EA		Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	786.43	25.52
28 46 21 33-1405	EA		Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	655.52	25.52
28 46 21 33-1406	EA		Local Operating Console (Gamewell-FCI 1100-0455)	436.16	19.14
28 46 21 33-1407	EA		Network Graphic Annunciator (Gamewell-FCI 1100-0505)	1,440.67	19.14
28 46 21 33-1408	EA		70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	557.13	25.52
28 46 21 33-1409	EA		INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	1,740.56	25.52
28 46 21 33-1410	EA		8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	365.35	51.04
28 46 21 33-1411	EA		C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	258.00	51.04
28 46 21 33-1412	EA		Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	55.34	12.76
28 46 21 33-1413	EA		Programmable Switch Module (Gamewell-FCI ASM-16)	384.16	25.52
28 46 21 33-1414	EA		LED Driver module (Gamewell-FCI ANU-48)	384.16	25.52
28 46 21 33-1415	EA		Network Graphic Annunciator (Gamewell-FCI NGA)	1,204.59	19.14
28 46 21 33-1416			Addressable Devices, Module, Pulls And Accessories (28 46 21 33-1373)		
28 46 21 33-1417			Velociti® Series Sensors And Bases (28 46 21 33-1416)		
28 46 21 33-1418	EA		Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	112.10	19.14
28 46 21 33-1419	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	114.80	19.14
28 46 21 33-1420	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	122.91	19.14
28 46 21 33-1421	EA		Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	90.50	19.14
28 46 21 33-1422	EA		Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	95.00	19.14
28 46 21 33-1423	EA		Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	90.50	19.14
28 46 21 33-1424	EA		Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	141.81	19.14
28 46 21 33-1425	EA		Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	330.87	19.14
28 46 21 33-1426	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	266.36	31.90
28 46 21 33-1427	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	302.37	31.90
28 46 21 33-1428	EA		Replacement Duct Detector Board (Gamewell-FCI ADP-F-SB)	133.12	31.90
28 46 21 33-1429	EA		Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	27.16	6.38
28 46 21 33-1430	EA		Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	357.88	19.14
28 46 21 33-1431	EA		Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	69.03	6.38
28 46 21 33-1432	EA		Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	1,291.92	38.28
28 46 21 33-1433			Velociti® Series Modules And Pull Station (28 46 21 33-1416)		
28 46 21 33-1434	EA		Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F)	82.69	12.76
28 46 21 33-1435	EA		Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF)	139.85	12.76
28 46 21 33-1436	EA		Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F)	91.69	12.76
28 46 21 33-1437	EA		Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF)	133.55	12.76
28 46 21 33-1438	EA		Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	109.70	12.76
28 46 21 33-1439	EA		Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	114.20	12.76
28 46 21 33-1440	EA		Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	153.22	25.52
28 46 21 33-1441	EA		Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	118.25	12.76
28 46 21 33-1442	EA		Telephone Filters (Gamewell-FCI AOM-TEL-FL)	18.61	2.55
28 46 21 33-1443			Components And Accessories (28 46 21 33-1416)		
28 46 21 33-1444	EA		Remote LED Annunciator Alarm (Gamewell-FCI RA400Z)	42.92	10.21
			Note: Mounts on single gang box.		
28 46 21 33-1445	EA		Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	21.46	5.11
28 46 21 33-1446	EA		>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	23.26	5.11
28 46 21 33-1447	EA		>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	27.61	6.38
28 46 21 33-1448	EA		>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	46.83	7.66
28 46 21 33-1449	EA		Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451)	70.83	10.21
			Note: Mounts on single gang box.		
28 46 21 33-1450			Fixed And Rate of Rise Heat Detectors (28 46 21 33-1416)		
28 46 21 33-1451	EA		135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	53.58	19.14
28 46 21 33-1452	EA		194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	53.58	19.14
28 46 21 33-1453	EA		135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	53.58	19.14
28 46 21 33-1454	EA		194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	53.58	19.14
28 46 21 33-1455			NAC Expander/Power Supply (28 46 21 33-1416)		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 46 21 33-1456	EA	FireForce 8 NAC Expander/Power Supply, 12/24 VDC, 8 Amp, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	1,056.49	204.15
28 46 21 33-1457	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	885.44	204.15
28 46 21 33-1458	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	970.97	204.15
28 46 21 33-1459 Batteries And Accessories (28 46 21 33-1373)				
28 46 21 33-1460	EA	B-17R, 12 VDC, 17 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	180.37	12.76
28 46 21 33-1461	EA	B-55R, 12 VDC, 55 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	473.85	12.76
28 46 21 33-1462	EA	B-7R, 12 VDC, 7 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	90.34	12.76
28 46 21 33-1463	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653).....	213.99	25.52
28 46 21 33-1464	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654).....	213.99	25.52
28 46 21 33-1465	EA	12"H x 12"W x 24"L Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	187.88	25.52
28 46 21 33-1466 Electronic Door Holders (28 46 21 33-1373)				
Note: Rixson products.				
28 46 21 33-1467	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	31.58	2.55
28 46 21 33-1468	EA	FM-980, Floor Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90000).....	254.34	19.14
28 46 21 33-1469	EA	FM-981, Floor Mount Holder For Double Doors, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90001)	352.47	19.14
28 46 21 33-1470	EA	FM-990, Low Profile Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90002)	156.58	19.14
28 46 21 33-1471	EA	FM-996, Surface Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90003)	148.47	19.14
28 46 21 33-1472	EA	FM-997 Recessed Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90004).....	156.58	19.14
28 46 21 33-1473	EA	FM-998, Recessed Mount Door Holder With Concealed Wiring, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90005)	156.22	19.14
28 46 21 33-1474 SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes (28 46 21 33-1373)				
See CSI section 28 46 21 33-1662 for devices.				
28 46 21 33-1475 SpectrAlert® Advance Accessories (28 46 21 33-1373)				
See CSI section 28 46 21 33-1662 for backboxes, 28 46 21 33-1924 for backboxes.				
28 46 21 33-1476 Fire Alarm Programming (28 46 21 33-1373)				
Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.				
28 46 21 33-1477	EA	Program And Test Up To 5 Fire Alarm Devices	500.00	
28 46 21 33-1478	EA	Program And Test >5 To 20 Fire Alarm Devices	1,000.00	
28 46 21 33-1479	EA	Program And Test >20 To 50 Fire Alarm Devices	2,000.00	
28 46 21 33-1480 Fire-Lite Fire Alarm (28 46 21 33-0804)				
28 46 21 33-1481 Addressable Control Panels (28 46 21 33-1480)				
28 46 21 33-1482	EA	25 Point Intelligent Control (Fire Lite MS-25)	1,028.58	255.19
28 46 21 33-1483	EA	50 Point Intelligent Control (Fire Lite MS-9050UD)	1,154.66	255.19
28 46 21 33-1484	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS)	1,604.18	255.19
28 46 21 33-1485	EA	636-Point Intelligent Control (Fire Lite MS-9600LS).....	2,412.28	255.19
28 46 21 33-1486	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS)	2,291.98	255.19
28 46 21 33-1487 Silent Knight Fire Alarm (28 46 21 33-0804)				
28 46 21 33-1488	EA	Supervised Control Module (Silent Knight SK-CONTROL)	107.51	19.14
28 46 21 33-1489	EA	Detector (Silent Knight IDP-PhotoR).....	148.17	19.14
28 46 21 33-1490	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	457.55	38.28
28 46 21 33-1491	EA	Monitoring Module (Silent Knight IDP)	148.26	19.14
28 46 21 33-1492	EA	Cabinet (Silent Knight SK-5207)	192.23	38.28
28 46 21 33-1493	EA	Innovair IDP-Product (Silent Knight Innovair IDP-Pduct)	314.70	12.76
28 46 21 33-1494	EA	I/O Input-Output Module (Silent Knight SK-2880)	430.36	12.76
28 46 21 33-1495	EA	Remote Annunciator (Silent Knight RA-2000).....	1,233.26	38.28
28 46 21 33-1496	EA	Remote LCD Annunciator (Silent Knight SK-5860).....	382.92	38.28
28 46 21 33-1497	EA	Power Supply (Silent Knight 5195/96)	777.38	12.76
28 46 21 33-1498	EA	8 Zone Expander (Silent Knight SK-5210)	603.87	12.76
28 46 21 33-1499	EA	10 Zone Expander (Silent Knight SK-5217)	250.77	12.76
28 46 21 33-1500	EA	Remote Annunciator (Silent Knight SK-5235).....	239.18	25.52
28 46 21 33-1501	EA	LCD Remote Annunciator (Silent Knight SK-5230).....	225.93	25.52
28 46 21 33-1502	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	364.59	38.28
28 46 21 33-1503	EA	Ionization Smoke Detector (Silent Knight SK-ION)	106.67	19.14
28 46 21 33-1504	EA	Addressable Relay Module (Silent Knight SD500-ARM).....	107.51	19.14
28 46 21 33-1505	EA	Addressable Relay Module (Silent Knight IDP-Relay)	125.03	19.14
28 46 21 33-1506	EA	Telephone Line Monitor (Silent Knight SK-7150)	77.57	12.76
28 46 21 33-1507	EA	Serial Driver Board (Silent Knight SK-2884)	153.91	12.76
28 46 21 33-1508	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS).....	98.90	19.14
28 46 21 33-1509	EA	Smoke Detector Base (Silent Knight IDP-6AB).....	41.68	6.38
28 46 21 33-1510	EA	Mini Input Module (Silent Knight IDP-MINIMON)	112.27	12.76
28 46 21 33-1511	EA	Status Display Module (Silent Knight SK-4180).....	441.93	12.76
28 46 21 33-1512	EA	8-Channel Digital Communicator (Silent Knight SK-1420).....	256.86	12.76
28 46 21 33-1513	EA	Serial Parallel Module (Silent Knight SK-4824).....	233.73	12.76
28 46 21 33-1514	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	93.97	19.14
28 46 21 33-1515	EA	Addressable Input Module (Silent Knight SD500-AIM)	95.38	19.14
28 46 21 33-1516	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	96.07	19.14
28 46 21 33-1517	EA	Power Supply (Silent Knight SK-5197 / SK-5198).....	893.04	12.76
28 46 21 33-1518	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204).....	1,490.12	51.04
28 46 21 33-1519	EA	LED Input/Output Module (Silent Knight / IntelliKnight 5880).....	301.43	19.14
28 46 21 33-1520	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION).....	153.95	19.14
28 46 21 33-1521	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	125.03	19.14



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1522	EA		Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	103.96	19.14
28 46 21 33-1523	EA		Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB).....	25.65	6.38
28 46 21 33-1524	EA		Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB).....	25.65	6.38
28 46 21 33-1525	EA		Addressable Mini Input Module (Silent Knight SD500-MIM)	81.21	12.76
28 46 21 33-1526	EA		Fire Slave Communicator Dialer (Silent Knight SK-5128).....	277.75	12.76
28 46 21 33-1527	EA		6 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	430.06	38.28
28 46 21 33-1528	EA		Intelligent Power Module (with cabinet) (Silent Knight SK-5496)	460.17	38.28
28 46 21 33-1529	EA		Manual Pull Station (single action) (Silent Knight PS-SATK)	51.81	12.76
28 46 21 33-1530	EA		Manual Pull Station (dual action) (Silent Knight PS-DATK)	57.05	12.76
28 46 21 33-1531	EA		Manual Pull Station (dual action) (Silent Knight PS-DA)	55.58	12.76
28 46 21 33-1532	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	950.85	51.04
28 46 21 33-1533	EA		Remote LED Annunciator (Silent Knight 5865-3).....	366.56	25.52
28 46 21 33-1534	EA		Remote LED Annunciator (Silent Knight 5865-4).....	418.70	25.52
28 46 21 33-1535	EA		Serial/Parallel Printer Interface (Silent Knight 5824).....	260.04	12.76
28 46 21 33-1536	EA		Relay Interface Board (Silent Knight 5883).....	177.89	12.76
28 46 21 33-1537	EA		Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	3,075.84	127.59
28 46 21 33-1538	EA		Supervised Remote Command Unit (Silent Knight EVS-RCU).....	1,250.32	76.56
28 46 21 33-1539	EA		50 Watt Amplifier (Silent Knight EVS-50W)	879.69	51.04
28 46 21 33-1540	EA		125 Watt Amplifier (Silent Knight EVS-125W)	1,610.73	51.04
28 46 21 33-1541	EA		Voice Evacuation System (Silent Knight SKE-450).....	1,538.28	51.04
28 46 21 33-1542	EA		Fire Fighters Telephone (Silent Knight SK-FFT).....	1,266.56	51.04
28 46 21 33-1543	EA		Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	1,269.72	76.56
28 46 21 33-1544	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	713.50	51.04
28 46 21 33-1545	EA		Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600).....	607.45	51.04
28 46 21 33-1546	EA		Combination Fire And CO Detector (Silent Knight SK-FIRE-CO)	190.65	19.14
28 46 21 33-1547	EA		Photoelectric Detector (Silent Knight SK-PHOTO)	99.62	19.14
28 46 21 33-1548	EA		Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T).....	105.95	19.14
28 46 21 33-1549	EA		Ionization Smoke Detector (Silent Knight SK-ION)	106.67	19.14
28 46 21 33-1550	EA		135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT)	90.29	19.14
28 46 21 33-1551	EA		190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT)	96.07	19.14
28 46 21 33-1552	EA		135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR)	98.21	19.14
28 46 21 33-1553	EA		Sounder Base (Silent Knight B200SR)	64.91	6.38
28 46 21 33-1554	EA		Intelligent Sounder Base (Silent Knight B200S).....	69.15	6.38
28 46 21 33-1555	EA		Isolator Base (Silent Knight B224BI).....	52.95	6.38
28 46 21 33-1556	EA		Relay Base (Silent Knight B224RB).....	53.64	6.38
28 46 21 33-1557	EA		Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE)	108.88	19.14
28 46 21 33-1558	EA		Photoelectric Duct Detector (Silent Knight SK-DUCT).....	188.00	19.14
28 46 21 33-1559	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM).....	716.26	19.14
28 46 21 33-1560	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T)	821.06	19.14
28 46 21 33-1561	EA		Dual Monitor Module (Silent Knight SK-MONITOR-2)	133.31	19.14
28 46 21 33-1562	EA		Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	404.54	25.52
28 46 21 33-1563	EA		Relay Control Module (Silent Knight SK-RELAY)	96.12	12.76
28 46 21 33-1564	EA		Six Relay Control Module (Silent Knight SK-RELAY-6)	390.13	25.52
28 46 21 33-1565	EA		Zone Interface Module (Silent Knight SK-ZONE).....	110.23	19.14
28 46 21 33-1566	EA		Six Zone Interface Module (Silent Knight SK-ZONE-6)	472.62	25.52
28 46 21 33-1567	EA		Monitor Module (Silent Knight SK-MONITOR).....	91.85	19.14
28 46 21 33-1568	EA		10 Input Monitor Module (Silent Knight SK-MON-10).....	456.91	25.52
28 46 21 33-1569	EA		Monitor Module (Silent Knight SK-MINIMON).....	84.11	19.14
28 46 21 33-1570	EA		Fault Isolator Module (Silent Knight SK-ISO).....	96.07	19.14
28 46 21 33-1571	EA		6" Addressable Sounder Base (Silent Knight SD505-6SB).....	81.15	6.38
28 46 21 33-1572	EA		6" Addressable Relay Base (Silent Knight SD505-6RB).....	76.20	6.38
28 46 21 33-1573	EA		6" Isolator Base (Silent Knight SD505-6IB).....	68.45	6.38
28 46 21 33-1574	EA		Addressable Notification Module (Silent Knight SD500-ANM)	122.45	19.14
28 46 21 33-1575	EA		Loop Isolation Module (Silent Knight SD500-LIM)	100.31	19.14
28 46 21 33-1576	EA		Single Action Addressable Pull Station (Silent Knight SD500-PS).....	108.33	12.76
28 46 21 33-1577	EA		Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	102.90	12.76
28 46 21 33-1578	EA		Back Box (Silent Knight SK-PSSMBB)	43.14	10.21
28 46 21 33-1579	EA		Smoke Detector Module (Silent Knight SD500-SDM).....	114.30	19.14
28 46 21 33-1580	EA		Addressable Duct Housing (Silent Knight SD505-DUCT).....	197.28	19.14
28 46 21 33-1581	EA		Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	262.20	19.14
28 46 21 33-1582	EA		Intelligent Power Module (Silent Knight 5895XL).....	663.75	51.04
28 46 21 33-1583	EA		Addressable Power Supply (Silent Knight 5496).....	460.17	38.28
28 46 21 33-1584	EA		Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	102.90	12.76
28 46 21 33-1585	EA		Communicator (Silent Knight IPGSM-4G).....	569.60	25.52
28 46 21 33-1586	EA		Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	890.04	51.04
28 46 21 33-1587	EA		Status Display Module (Silent Knight 5280).....	64.30	12.76
28 46 21 33-1588	EA		Serial/Parallel Module (Silent Knight 5824).....	285.56	25.52
28 46 21 33-1589	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4).....	485.69	51.04
28 46 21 33-1590	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	496.16	51.04
28 46 21 33-1591	EA		Dress Panel (Silent Knight SK-DP2/4).....	88.96	12.76
28 46 21 33-1592	EA		Class A Convertor (Silent Knight SK-CAC4).....	244.98	19.14
28 46 21 33-1593	EA		Transmitter Module (Silent Knight SK-4XTM).....	121.09	19.14
28 46 21 33-1594	EA		LED Interface Module (Silent Knight SK-4XLM)	110.23	19.14
28 46 21 33-1595	EA		110 VAC Transformer, 3-6A (Silent Knight SK-XRM24)	119.19	12.76
28 46 21 33-1596	EA		Remote Annunciator (Silent Knight SK-RZA4).....	110.23	19.14
28 46 21 33-1597	EA		Zone Relay Module (Silent Knight SK-4XZM).....	119.73	19.14
28 46 21 33-1598	EA		Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	413.68	51.04
28 46 21 33-1599	EA		Remote Battery Box Accessory Cabinet (Silent Knight RBB)	102.90	12.76
28 46 21 33-1600	EA		Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	48.38	12.76
28 46 21 33-1601	EA		Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB).....	120.22	15.32
28 46 21 33-1602	EA		9 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	487.67	38.28

28 46 21 33-1603 Alerton (28 46 21 33)



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 21 33-1604	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100).....	424.68	3.82
28 46 21 33-1605 Cooper Fire Alarm <small>(28 46 21 33)</small>				
28 46 21 33-1606	EA	Single Circuit Class A / Multiple B, 12 Or 24 VDC, Sync Module (Cooper DSM-12/24-R).....	131.99	12.76
28 46 21 33-1607	EA	Red Lens, 21 Joules, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	2,486.06	21.69
28 46 21 33-1608	EA	Red, 100 dB, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	3,284.61	21.69
28 46 21 33-1609	EA	Red Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	1,184.10	25.52
28 46 21 33-1610	EA	Clear Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	1,191.19	25.52
28 46 21 33-1611	EA	Amber Lens, 5 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	1,191.19	25.52
28 46 21 33-1612	EA	Red Lens, 10 Joules, 24 VDC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	877.10	25.52
28 46 21 33-1613	EA	Amber Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	877.10	25.52
28 46 21 33-1614	EA	Red Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	877.10	25.52
28 46 21 33-1615	EA	Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	1,191.19	25.52
28 46 21 33-1616	EA	Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	1,191.19	25.52
28 46 21 33-1617	EA	Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	1,191.19	25.52
28 46 21 33-1618	EA	Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	1,191.19	25.52
28 46 21 33-1619	EA	Red Lens, 15 Joules, 24 VDC, Wire Guard, Backstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	1,191.19	25.52
28 46 21 33-1620	EA	Red Lens, 21 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	1,374.86	25.52
28 46 21 33-1621	EA	Red Lens, 21 Joules, 24 VDC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	1,275.49	25.52
28 46 21 33-1622	EA	Amber Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	1,275.49	25.52
28 46 21 33-1623	EA	Red Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	1,275.49	25.52
28 46 21 33-1624 Light Engineered Displays Message Boards <small>(28 46 21 33)</small>				
28 46 21 33-1625	EA	Two Message Sign, "Announcement" And "Evacuate" (LED SP-2/MNS).....	425.46	15.32
28 46 21 33-1626	EA	Four Message Sign, "Fire", "Weather", "Announcement", "E Voltuate" (LED SP-4).....	523.06	15.32
28 46 21 33-1627 STI Fire Alarm <small>(28 46 21 33)</small>				
28 46 21 33-1628	EA	Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100).....	94.13	7.66
Note: Include 9 VDC self contained battery.				
28 46 21 33-1629	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130).....	128.00	7.66
28 46 21 33-1630	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	82.19	7.66
28 46 21 33-1631	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D)	73.39	7.66
Note: For surface mounted horn strobes.				
28 46 21 33-1632	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	63.71	7.66
28 46 21 33-1633	EA	Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)	73.39	7.66
Note: For surface mounted strobe.				
28 46 21 33-1634	EA	Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E)	73.19	7.66
28 46 21 33-1635	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229).....	162.61	7.66
28 46 21 33-1636	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230)	101.54	7.66
Note: For surface mounted pull stations.				
28 46 21 33-1637	EA	Backplate For Polycarbonate Cover (STI-1280)	39.94	7.66
28 46 21 33-1638	EA	Conduit Gasket For Polycarbonate Cover (STI-3003).....	24.41	7.66
28 46 21 33-1639	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	49.70	7.66
28 46 21 33-1640	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	105.82	7.66
28 46 21 33-1641	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	92.29	7.66
28 46 21 33-1642	EA	24.7" x 19.7" x 7.3", Key Lock, Lockable Enclosure (STI-7550).....	536.15	7.66
28 46 21 33-1643	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100).....	72.11	7.66
28 46 21 33-1644	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601).....	65.45	7.66
28 46 21 33-1645	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	59.24	7.66
28 46 21 33-1646	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	65.45	7.66
28 46 21 33-1647	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605).....	59.24	7.66
28 46 21 33-1648	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	65.45	7.66
28 46 21 33-1649	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610).....	59.24	7.66
28 46 21 33-1650	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625).....	118.24	7.66
28 46 21 33-1651	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705).....	53.47	7.66
28 46 21 33-1652	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	53.47	7.66
28 46 21 33-1653	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	88.08	7.66
28 46 21 33-1654	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707).....	88.08	7.66
28 46 21 33-1655	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708).....	59.68	7.66
28 46 21 33-1656	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R).....	59.68	7.66
28 46 21 33-1657	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711).....	53.47	7.66
28 46 21 33-1658	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713).....	59.24	7.66
28 46 21 33-1659	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714).....	59.68	7.66
28 46 21 33-1660	EA	Yellow, "High Threat", Push Button Station (STI SS-2201)	68.66	3.82
28 46 21 33-1661	EA	Gasket Kit For STI Covers (STI SUB-121).....	26.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1662 System Sensor Fire Alarm <small>(28 46 21 33)</small>		
28 46 21 33-1663 Smoke Detectors <small>(28 46 21 33-1662)</small>		
28 46 21 33-1664 EA Beam Detector Heater Kit (System Sensor BEAMHK)	40.60	2.55
28 46 21 33-1665 EA Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR).....	178.13	2.55
Note: Four used with long range kit.		
28 46 21 33-1666 EA Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	185.91	25.52
28 46 21 33-1667 EA Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	126.46	25.52
28 46 21 33-1668 EA Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK).....	96.29	25.52
28 46 21 33-1669 EA Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B).....	95.47	19.14
28 46 21 33-1670 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	97.73	19.14
28 46 21 33-1671 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B).....	101.63	19.14
28 46 21 33-1672 EA Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	97.45	19.14
28 46 21 33-1673 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 VDC (System Sensor 4WT-B).....	106.60	19.14
28 46 21 33-1674 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B).....	104.71	19.14
28 46 21 33-1675 EA Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B).....	134.11	19.14
28 46 21 33-1676 EA Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	76.98	12.76
28 46 21 33-1677 EA Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T).....	89.40	12.76
Note: Requires B100 series base.		
28 46 21 33-1678 EA Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK)	197.31	6.38
28 46 21 33-1679 EA Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK)	61.56	6.38
28 46 21 33-1680 Duct Smoke Detectors <small>(28 46 21 33-1662)</small>		
28 46 21 33-1681 EA Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2).....	236.37	19.14
28 46 21 33-1682 EA Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120).....	239.25	19.14
28 46 21 33-1683 EA Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	312.45	21.69
28 46 21 33-1684 EA Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	155.06	12.76
28 46 21 33-1685 EA Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL).....	41.38	3.82
28 46 21 33-1686 EA Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	134.79	10.21
28 46 21 33-1687 EA Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	225.24	12.76
28 46 21 33-1688 EA 1' Steel Sampling Tube (System Sensor DST1)	19.97	5.11
28 46 21 33-1689 EA 1.5' Steel Sampling Tube (System Sensor DST1.5).....	22.19	5.11
28 46 21 33-1690 EA 3' Steel Sampling Tube (System Sensor DST3).....	26.62	5.11
28 46 21 33-1691 EA 5' Steel Sampling Tube (System Sensor DST5).....	30.80	6.38
28 46 21 33-1692 EA 10' Steel Sampling Tube (System Sensor DST10).....	52.36	7.66
28 46 21 33-1693 EA 1", Steel, Exhaust Tube Duct (System Sensor ETX)	23.08	5.11
28 46 21 33-1694 EA Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	62.23	6.38
28 46 21 33-1695 EA Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2).....	155.27	
28 46 21 33-1696 EA Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B).....	166.81	
28 46 21 33-1697 Heat Detectors <small>(28 46 21 33-1662)</small>		
28 46 21 33-1698 EA Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P).....	56.76	19.14
28 46 21 33-1699 EA Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	56.76	19.14
28 46 21 33-1700 EA Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621).....	70.83	19.14
28 46 21 33-1701 EA Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622).....	70.83	19.14
28 46 21 33-1702 Horns <small>(28 46 21 33-1662)</small>		
28 46 21 33-1703 EA Red, Mini Horn (System Sensor MHR).....	62.68	19.14
28 46 21 33-1704 EA White, Mini Horn (System Sensor MHW).....	62.68	19.14
28 46 21 33-1705 EA White, 12/24 VDC, Wall Mounted Horn Only (System Sensor HW).....	75.10	19.14
28 46 21 33-1706 EA Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R).....	83.31	21.69
28 46 21 33-1707 EA Red, Interior, Wall Mounted, Horn (System Sensor HR).....	74.79	19.14
28 46 21 33-1708 EA Red, Outdoor, Wall Mounted, Horn (System Sensor HRK).....	95.47	19.14
28 46 21 33-1709 Wall Mounted Horns/Strobes <small>(28 46 21 33-1662)</small>		
28 46 21 33-1710 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R).....	105.71	19.14
28 46 21 33-1711 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	111.04	19.14
28 46 21 33-1712 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK).....	146.30	21.69
28 46 21 33-1713 EA Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High- Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	146.30	21.69
28 46 21 33-1714 EA Low Frequency, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH-LF).....	158.95	19.14
28 46 21 33-1715 EA Outdoor Backbox, Red, 120 VAC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	159.61	21.69
28 46 21 33-1716 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi- Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	136.10	21.69
28 46 21 33-1717 EA Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P).....	140.98	21.69
28 46 21 33-1718 EA Replacement, Outdoor, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R).....	122.57	19.14
28 46 21 33-1719 EA Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R-P)	105.71	19.14
28 46 21 33-1720 EA White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W).....	105.71	19.14

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 21 33-1721	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	111.92	19.14
28 46 21 33-1722	EA	Low Frequency, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-LF)	158.95	19.14
28 46 21 33-1723	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	146.30	21.69
28 46 21 33-1724	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	146.30	21.69
28 46 21 33-1725	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	111.04	19.14
28 46 21 33-1726	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	140.98	21.69
28 46 21 33-1727	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	140.98	21.69
28 46 21 33-1728	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W-P)	105.71	19.14
28 46 21 33-1729	EA	Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4R)	123.62	19.14
28 46 21 33-1730	EA	Red, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	127.14	19.14
28 46 21 33-1731	EA	Outdoor Backbox, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	147.20	21.69
28 46 21 33-1732	EA	Replacement, Outdoor, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	137.43	21.69
28 46 21 33-1733	EA	White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4W)	124.35	19.14
28 46 21 33-1734	EA	Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	142.76	21.69
28 46 21 33-1735	EA	Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	148.08	21.69

28 46 21 33-1736 Ceiling Mounted Horns/Strobes (28 46 21 33-1662)

28 46 21 33-1737	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R)	105.71	19.14
28 46 21 33-1738	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	112.81	19.14
28 46 21 33-1739	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	146.30	21.69
28 46 21 33-1740	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	140.98	21.69
28 46 21 33-1741	EA	Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	106.60	19.14
28 46 21 33-1742	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W)	105.71	19.14
28 46 21 33-1743	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	112.81	19.14
28 46 21 33-1744	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	146.30	21.69
28 46 21 33-1745	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	112.81	19.14
28 46 21 33-1746	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	140.98	21.69
28 46 21 33-1747	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	105.71	19.14
28 46 21 33-1748	EA	Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4R)	123.62	19.14
28 46 21 33-1749	EA	Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	127.14	19.14
28 46 21 33-1750	EA	White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4W)	124.35	19.14

28 46 21 33-1751 Wall Mounted Strobes (28 46 21 33-1662)

28 46 21 33-1752	EA	White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW)	42.93	6.38
28 46 21 33-1753	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	89.07	6.38
28 46 21 33-1754	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR)	91.95	19.14
28 46 21 33-1755	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	104.27	19.14
28 46 21 33-1756	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	128.72	21.69
28 46 21 33-1757	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	126.96	21.69
28 46 21 33-1758	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	127.67	21.69
28 46 21 33-1759	EA	Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	108.15	21.69
28 46 21 33-1760	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR-P)	92.40	19.14
28 46 21 33-1761	EA	White, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW)	92.40	19.14
28 46 21 33-1762	EA	White, Amber Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-ALERT)	102.16	19.14
28 46 21 33-1763	EA	White, Clear Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-CLR-ALERT)	99.50	19.14
28 46 21 33-1764	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	104.83	19.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1765 EA White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT).....	103.94	19.14
28 46 21 33-1766 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P).....	103.94	19.14
28 46 21 33-1767 EA Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P).....	129.45	21.69
28 46 21 33-1768 EA White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK).....	129.45	21.69
28 46 21 33-1769 EA White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P).....	129.45	21.69
28 46 21 33-1770 EA Replacement Unit, Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R).....	111.70	21.69
28 46 21 33-1771 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK).....	127.67	21.69
28 46 21 33-1772 EA White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P).....	127.67	21.69
28 46 21 33-1773 EA White, Plain, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-P).....	91.52	19.14
28 46 21 33-1774 EA Amber, Wall Strobe Lens Attachment (System Sensor LENS-A).....	14.87	2.55
28 46 21 33-1775 EA Blue, Wall Strobe Lens Attachment (System Sensor LENS-B).....	14.87	2.55
28 46 21 33-1776 EA Green, Wall Strobe Lens Attachment (System Sensor LENS-G).....	14.87	2.55
28 46 21 33-1777 EA Red, Wall Strobe Lens Attachment (System Sensor LENS-R).....	14.87	2.55
28 46 21 33-1778 Ceiling Mounted Strobes (28 46 21 33-1662)		
28 46 21 33-1779 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCR).....	91.95	19.14
28 46 21 33-1780 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH).....	106.03	19.14
28 46 21 33-1781 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK).....	128.72	21.69
28 46 21 33-1782 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK).....	128.72	21.69
28 46 21 33-1783 EA White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW).....	92.40	19.14
28 46 21 33-1784 EA Clear Lens, White, Two Wire, 12/24 VDC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCW-CLR-ALERT).....	99.50	19.14
28 46 21 33-1785 EA White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH).....	106.60	19.14
28 46 21 33-1786 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK).....	129.45	21.69
28 46 21 33-1787 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK).....	127.67	21.69
28 46 21 33-1788 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	93.29	19.14
28 46 21 33-1789 EA Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC).....	14.87	2.55
28 46 21 33-1790 EA Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	14.87	2.55
28 46 21 33-1791 EA Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC).....	14.87	2.55
28 46 21 33-1792 EA Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	14.87	2.55
28 46 21 33-1793 Wall Mounted Speakers (28 46 21 33-1662)		
28 46 21 33-1794 EA 24 VDC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V).....	259.21	19.14
28 46 21 33-1795 EA Red, Wall Mounted Speaker (System Sensor SPR).....	72.59	19.14
28 46 21 33-1796 EA Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK).....	118.58	19.14
28 46 21 33-1797 EA Replacement Unit, Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	96.17	21.69
28 46 21 33-1798 EA Red, High dB, Wall Mounted Speaker (System Sensor SPRV).....	82.27	19.14
28 46 21 33-1799 EA White, Wall Mounted Speaker (System Sensor SPW).....	72.88	19.14
28 46 21 33-1800 EA White, Outdoor, Wall Mounted Speaker (System Sensor SPWK).....	123.68	21.69
28 46 21 33-1801 EA White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	82.64	19.14
28 46 21 33-1802 Ceiling Mounted Speakers (28 46 21 33-1662)		
28 46 21 33-1803 EA Red, Ceiling Mounted Speaker (System Sensor SPCR).....	72.59	19.14
28 46 21 33-1804 EA Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	117.91	19.14
28 46 21 33-1805 EA Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV).....	82.27	19.14
28 46 21 33-1806 EA White, Ceiling Mounted Speaker (System Sensor SPCW).....	72.88	19.14
28 46 21 33-1807 EA White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	82.64	19.14
28 46 21 33-1808 EA White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	123.68	21.69
28 46 21 33-1809 Wall Mounted Speakers/Strobes (28 46 21 33-1662)		
28 46 21 33-1810 EA White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSW).....	97.05	6.38
28 46 21 33-1811 EA White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSW).....	42.93	6.38
28 46 21 33-1812 EA Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR).....	128.02	19.14
28 46 21 33-1813 EA Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	137.70	19.14
28 46 21 33-1814 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	187.67	21.69
28 46 21 33-1815 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P).....	188.89	21.69
28 46 21 33-1816 EA Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	156.95	21.69



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 21 33-1817	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR-P).....	128.78	19.14
28 46 21 33-1818	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	132.42	19.14
28 46 21 33-1819	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-ALERT).....	148.30	19.14
28 46 21 33-1820	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT).....	192.44	21.69
28 46 21 33-1821	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW).....	128.78	19.14
28 46 21 33-1822	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	138.54	19.14
28 46 21 33-1823	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P).....	138.54	19.14
28 46 21 33-1824	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	188.89	21.69
28 46 21 33-1825	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	188.89	21.69
28 46 21 33-1826	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-P).....	128.78	19.14
28 46 21 33-1827	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	133.22	19.14
28 46 21 33-1828	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	133.22	19.14
28 46 21 33-1829 Ceiling Mounted Speakers/Strobes (28 46 21 33-1862)				
28 46 21 33-1830	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCR).....	128.02	19.14
28 46 21 33-1831	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	139.46	19.14
28 46 21 33-1832	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV).....	132.42	19.14
28 46 21 33-1833	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW).....	128.78	19.14
28 46 21 33-1834	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-CLR-ALERT).....	140.32	19.14
28 46 21 33-1835	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH).....	138.54	19.14
28 46 21 33-1836	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	191.56	21.69
28 46 21 33-1837	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	138.54	19.14
28 46 21 33-1838	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	192.44	21.69
28 46 21 33-1839	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK).....	188.89	21.69
28 46 21 33-1840	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-P).....	128.78	19.14
28 46 21 33-1841	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	133.22	19.14
28 46 21 33-1842	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	138.54	19.14
28 46 21 33-1843	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	133.22	19.14
28 46 21 33-1844	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	138.29	19.14
28 46 21 33-1845 Electric Alarm Bells (28 46 21 33-1862)				
28 46 21 33-1846	EA	6" 24 Volt DC Alarm Bell (System Sensor SSM24-6).....	92.40	19.14
28 46 21 33-1847	EA	8" 24 Volt DC Alarm Bell (System Sensor SSM24-8).....	102.16	19.14
28 46 21 33-1848	EA	10" 24 Volt DC Alarm Bell (System Sensor SSM24-10).....	124.71	19.14
28 46 21 33-1849 Device Bases (28 46 21 33-1862)				
28 46 21 33-1850	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S).....	81.08	6.38
28 46 21 33-1851	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR).....	78.86	6.38
28 46 21 33-1852	EA	Intelligent Isolator Base (System Sensor B224BI).....	63.56	6.38
28 46 21 33-1853	EA	Intelligent Relay Base (System Sensor B224RB).....	64.67	6.38
28 46 21 33-1854	EA	Flangeless, Intelligent Detector Base (System Sensor B501).....	32.95	6.38
28 46 21 33-1855 Boxes, Plates And Decals (28 46 21 33-1862)				
28 46 21 33-1856	EA	Two Wire, Flanged, 12/24 VDC, Low-Profile, Adapter Base (System Sensor B110LP).....	27.40	6.38
28 46 21 33-1857	EA	Four Wire, Form A And C, 24 VDC Low-Profile, Adapter Base (System Sensor B112LP).....	58.35	7.66
28 46 21 33-1858	EA	Conventional Flanged Mounting Base (System Sensor B210LP).....	26.07	6.38
28 46 21 33-1859	EA	120 VAC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K).....	58.01	6.38
28 46 21 33-1860	EA	Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB).....	50.03	6.38
28 46 21 33-1861	EA	White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW).....	56.24	6.38
28 46 21 33-1862	EA	White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW).....	50.03	6.38
28 46 21 33-1863	EA	Red Retrofit Plate (System Sensor RFP).....	23.28	3.82
28 46 21 33-1864	EA	White Retrofit Plate (System Sensor RFPW).....	23.28	3.82
28 46 21 33-1865	EA	Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB).....	41.15	6.38
28 46 21 33-1866	EA	Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC).....	42.48	6.38
28 46 21 33-1867	EA	Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCR).....	33.61	6.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1868 EA White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCW)	33.61	6.38
28 46 21 33-1869 EA Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBR)	27.40	6.38
28 46 21 33-1870 EA Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPR)	31.84	6.38
28 46 21 33-1871 EA White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPW)	31.84	6.38
28 46 21 33-1872 EA White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBW)	27.40	6.38
28 46 21 33-1873 EA Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	26.96	6.38
28 46 21 33-1874 EA Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	26.96	6.38
28 46 21 33-1875 EA Red, Wall Mounted, Trim Ring (System Sensor TR)	11.59	2.55
28 46 21 33-1876 EA Red, Ceiling Mounted, Trim Ring (System Sensor TRC)	11.59	2.55
28 46 21 33-1877 EA White, Ceiling Mounted, Trim Ring (System Sensor TRCW)	11.59	2.55
28 46 21 33-1878 EA Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	9.50	2.55
28 46 21 33-1879 EA White, Wall Mounted, Trim Ring (System Sensor TRW)	11.59	2.55
28 46 21 33-1880 EA Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	15.93	
28 46 21 33-1881 EA Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	22.71	
28 46 21 33-1882 EA White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	15.93	
28 46 21 33-1883 EA White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	22.71	
28 46 21 33-1884 Chimes (28 46 21 33-1662)		
28 46 21 33-1885 EA Red, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHR)	78.21	19.14
28 46 21 33-1886 EA White, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHW)	78.21	19.14
28 46 21 33-1887 Chime/Strobes (28 46 21 33-1662)		
28 46 21 33-1888 EA Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSR)	161.61	19.14
28 46 21 33-1889 EA White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSW)	161.61	19.14
28 46 21 33-1890 Carbon Monoxide Detectors (28 46 21 33-1662)		
28 46 21 33-1891 EA Conventional Carbon Monoxide Detector (System Sensor CO1224)	162.34	25.52
28 46 21 33-1892 EA Round, Sounder And Trouble Relay With Test Function, 12/24 VDC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	150.52	19.14
28 46 21 33-1893 EA CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	8.66	2.55
28 46 21 33-1894 Switches (28 46 21 33-1662)		
28 46 21 33-1895 EA SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	136.64	10.21
28 46 21 33-1896 EA Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	154.39	10.21
28 46 21 33-1897 EA SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	136.64	10.21
28 46 21 33-1898 EA Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	154.39	10.21
28 46 21 33-1899 EA Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	140.19	10.21
28 46 21 33-1900 EA Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	131.32	10.21
28 46 21 33-1901 Low Frequency Sounders (28 46 21 33-1662)		
28 46 21 33-1902 EA Red, Low Frequency Sounder (System Sensor HR-LF)	107.49	19.14
28 46 21 33-1903 EA White, Low Frequency Sounder (System Sensor HW-LF)	107.49	19.14
28 46 21 33-1904 Sync Modules (28 46 21 33-1662)		
28 46 21 33-1905 EA Red, 12/24 VDC, Sync Module (System Sensor MDL3R)	100.94	12.76
28 46 21 33-1906 EA White, 12/24 VDC, Sync Module (System Sensor MDL3W)	100.94	12.76
28 46 21 33-1907 Relays (28 46 21 33-1662)		
28 46 21 33-1908 EA Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	52.97	10.21
28 46 21 33-1909 EA SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	34.41	6.38
28 46 21 33-1910 EA 4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	117.46	6.38
28 46 21 33-1911 EA 4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	83.96	6.38
28 46 21 33-1912 EA Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	58.03	10.21
28 46 21 33-1913 EA DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	35.83	6.38
28 46 21 33-1914 EA 4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	133.43	6.38
28 46 21 33-1915 EA 4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	97.05	6.38
28 46 21 33-1916 EA 18 To 35 VDC, 18 To 35 VAC, 120 VAC, SPDT Multivoltage Relay (System Sensor PR-1)	28.73	6.38
28 46 21 33-1917 EA 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-2)	28.73	6.38
28 46 21 33-1918 EA Redundant Power Input, 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-3)	28.73	6.38
28 46 21 33-1919 Remote Annunciator (28 46 21 33-1662)		
28 46 21 33-1920 EA Remote Annunciator (System Sensor RA100Z)	50.52	19.14
28 46 21 33-1921 EA Remote LED Annunciator (System Sensor RA100ZA)	55.49	19.14
28 46 21 33-1922 Remote Test Station (28 46 21 33-1662)		
28 46 21 33-1923 EA Remote Test Station With Key (System Sensor RTS151KEY)	77.46	19.14
28 46 21 33-1924 Wheelock Fire Alarm (28 46 21 33)		
28 46 21 33-1925 Ceiling Mounted Chimes/Strobes (28 46 21 33-1924)		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm****City of Miami**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 33-1926	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 VDC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)		192.67	19.14
28 46 21 33-1927		Wall Mounted Chimes/Strobes <small>(28 46 21 33-1924)</small>			
28 46 21 33-1928	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)		192.67	19.14
28 46 21 33-1929	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....		192.67	19.14
28 46 21 33-1930		Ceiling Mounted Horns/Strobes <small>(28 46 21 33-1924)</small>			
28 46 21 33-1931	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)		110.15	19.14
28 46 21 33-1932	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)		110.15	19.14
28 46 21 33-1933		Wall Mounted Horns/Strobes <small>(28 46 21 33-1924)</small>			
28 46 21 33-1934	EA	Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR).....		119.91	19.14
28 46 21 33-1935	EA	Red, 24 VDC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)		139.43	19.14
28 46 21 33-1936	EA	Red, 24 VDC, Selectable Candela (15,,30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)		127.90	19.14
28 46 21 33-1937	EA	White, 24 VDC, Selectable Candela (15,,30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....		127.90	19.14
28 46 21 33-1938	EA	Red, Flush, 24 VAC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR).....		131.44	19.14
28 46 21 33-1939	EA	Red, 24 VAC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR).....		124.79	19.14
28 46 21 33-1940	EA	Red, 115 VAC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)		124.35	19.14
28 46 21 33-1941	EA	Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)		140.09	21.69
28 46 21 33-1942	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)		110.59	19.14
28 46 21 33-1943	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW).....		110.59	19.14
28 46 21 33-1944		Ceiling Mounted Strobes <small>(28 46 21 33-1924)</small>			
28 46 21 33-1945	EA	Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)		95.51	19.14
28 46 21 33-1946	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)		95.51	19.14
28 46 21 33-1947	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....		97.73	19.14
28 46 21 33-1948	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)		97.73	19.14
28 46 21 33-1949		Wall Mounted Strobes <small>(28 46 21 33-1924)</small>			
28 46 21 33-1950	EA	Red, Multi-Candela, 24 VDC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....		162.50	19.14
28 46 21 33-1951	EA	Red, Retrofit Plate, 12 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)		127.01	19.14
28 46 21 33-1952	EA	Red, 24 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)		108.38	19.14
28 46 21 33-1953	EA	Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)		99.50	19.14
28 46 21 33-1954	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)		99.50	19.14
28 46 21 33-1955	EA	Red, Retrofit Plate, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)		112.37	19.14
28 46 21 33-1956	EA	Outdoor, Red, 24 VDC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR).....		112.59	21.69
		Note: Requires WPSBB-R.			
28 46 21 33-1957	EA	Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)		97.73	19.14
28 46 21 33-1958	EA	White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....		97.73	19.14
28 46 21 33-1959		Ceiling Mounted Speakers/Strobes <small>(28 46 21 33-1924)</small>			
28 46 21 33-1960	EA	Red, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)		137.66	19.14
28 46 21 33-1961	EA	White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)		137.66	19.14
28 46 21 33-1962	EA	White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)		135.88	19.14
28 46 21 33-1963	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)		137.66	19.14
28 46 21 33-1964	EA	White, 24 VDC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....		148.75	19.14
28 46 21 33-1965	EA	White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)		152.74	19.14
28 46 21 33-1966		Wall Mounted Speakers/Strobes <small>(28 46 21 33-1924)</small>			
28 46 21 33-1967	EA	Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)		154.51	19.14
28 46 21 33-1968	EA	White, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)		154.51	19.14
28 46 21 33-1969	EA	Red, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....		148.75	19.14
28 46 21 33-1970	EA	White, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....		148.75	19.14
28 46 21 33-1971	EA	Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR).....		137.66	19.14
28 46 21 33-1972	EA	White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....		134.11	19.14
28 46 21 33-1973	EA	Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)		148.75	19.14
28 46 21 33-1974	EA	White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....		148.75	19.14
28 46 21 33-1975	EA	Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)		152.74	19.14
28 46 21 33-1976	EA	Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR).....		137.66	19.14



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like Electric Alarm Bells, Horns, Speakers, Sync Modules, and Boxes, Plates And Rings.

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2047	EA		Red, Weatherproof Backbox (Wheelock WBB).....	41.15	6.38
28 46 21 33-2048	EA		Weather Resistant Backbox (Wheelock WBB-R).....	30.95	6.38
28 46 21 33-2049	EA		Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R).....	26.63	2.55
28 46 21 33-2050	EA		White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W).....	26.63	2.55
28 46 21 33-2051	EA		Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFP-A-R).....	26.63	2.55
28 46 21 33-2052	EA		White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFP-A-W).....	26.63	2.55
28 46 21 33-2053	EA		Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT).....	13.32	2.55
28 46 21 33-2054	EA		Weather Resistant Backbox For ASWP (Wheelock WPBB-R).....	33.17	6.38
28 46 21 33-2055	EA		Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R).....	30.95	6.38
28 46 21 33-2056			Manual Pull Station (28 46 21 33-1924)		
28 46 21 33-2057	EA		SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100).....	66.72	12.76
28 46 21 33-2058	EA		SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200).....	66.72	12.76
28 46 21 33-2059	EA		Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X).....	647.56	12.76
28 46 21 33-2060			Fire Alarm Terminal Cabinets (28 46 21 33)		
28 46 21 33-2061	EA		18 Point Lockable Fire Alarm Terminal Cabinet.....	123.03	25.59
28 46 21 33-2062	EA		32 Point Lockable Fire Alarm Terminal Cabinet.....	166.15	25.59
28 46 21 33-2063	EA		64 Point Lockable Fire Alarm Terminal Cabinet.....	252.40	25.59
28 46 21 33-2064	EA		128 Point Lockable Fire Alarm Terminal Cabinet.....	338.62	25.59
28 46 21 33-2065			Test And Certification (28 46 21 33)		
28 46 21 33-2066	DAY		Test And Certification For Tie Into Existing Systems.....	406.02	
28 49 Electronic Personal Protection Systems					
28 49 11 Electronic Personal Safety Detection Systems					
28 49 11 00-0001			Personnel Alarm Locating System (28 49 11) Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002	EA		Personnel Alarm Locating System.....	12,782.62	410.07
			Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003	EA		Personnel Alarm Transmitters With Lithium Batteries.....	103.68	
28 49 11 00-0004	EA		Lapel Reader.....	39.88	
28 49 11 00-0005	EA		IR Locator.....	134.37	15.36
28 49 11 00-0006	EA		Repeaters And Receivers.....	317.68	51.17
28 49 17 Electronic Personal Safety Emergency Aid Devices					
28 49 17 00-0001			Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) (28 49 17)		
28 49 17 00-0002			Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		
28 49 17 00-0003	EA		Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5).....	166.93	30.70
			Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 49 17 00-0004	EA		Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5).....	198.52	35.83
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 49 17 00-0005	EA		Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5).....	200.19	35.83
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		
28 49 17 00-0006			Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		
28 49 17 00-0007	EA		High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5).....	125.36	19.19
28 49 17 00-0008	EA		High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5).....	124.54	15.36
28 49 17 00-0009	EA		Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592).....	51.75	15.36
28 49 17 00-0010	EA		1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	98.70	15.36
28 49 17 00-0011	EA		2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	115.48	15.36
28 49 17 00-0012	EA		4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5).....	132.90	15.36
28 49 17 00-0013	EA		2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2).....	188.89	15.36
28 49 17 00-0014	EA		4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4).....	212.98	15.36
28 49 17 00-0015			Call Activation Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		
28 49 17 00-0016	EA		Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537).....	72.81	15.36
28 49 17 00-0017	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E).....	112.82	15.36
28 49 17 00-0018	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E).....	151.45	15.36
28 49 17 00-0019	EA		3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	170.67	5.12
28 49 17 00-0020	EA		Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930).....	116.40	15.36
28 49 17 00-0021	EA		Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L).....	139.50	15.36



Electronic Safety And Security	28	28
Life Safety	28 40	
Electronic Personal Protection Systems	28 49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0022 EA Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	244.77	15.36
28 49 17 00-0023 EA Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	110.04	15.36
28 49 17 00-0024 EA Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	143.67	5.12
28 49 17 00-0025 EA Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	224.30	5.12
28 49 17 00-0026 EA Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	229.26	5.12
28 49 17 00-0027 EA Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	303.30	5.12

END OF SECTION 28

28 Electronic Safety And Security

28 40 Life Safety

28 49 Electronic Personal Protection Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 Earthwork

Note: The cost all quality control is borne by the Contractor and is included in the unit prices for task or assembly items. All test report(s) shall be sent to the Owner's PM.

31 05 Common Work Results For Earthwork (31)

31 05 13 Soils For Earthwork (31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0028 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) (31 05 13)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0028 for hauling greater than 15 miles.

31 05 16 Aggregates For Earthwork (31 05)

See CSI section 01 74 19 00-0028 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) (31 05 16)

Note: Delivered up to 15 miles from supplier. Includes cost for loading, hauling up to 15 miles and dumping. Excludes cost for hauling over 15 miles. See CSI section 01 74 19 00-0028 for hauling greater than 15 miles.

31 05 16 00-0002	CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean).....	41.63
	For Up To 10, Add	12.08
	For >10 To 25, Add	4.16
	For >250, Deduct	-5.83
31 05 16 00-0003	TON #3 Stone Aggregate Fill (1" To 2" Clean).....	25.81
	For Up To 10, Add	7.43
	For >10 To 25, Add	2.58
	For >250, Deduct	-3.56
31 05 16 00-0004	TON #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean).....	26.35
	For Up To 10, Add	7.60
	For >10 To 25, Add	2.64
	For >250, Deduct	-3.64
31 05 16 00-0005	TON #5 Stone Aggregate Fill (1/2" To 1" Clean).....	28.89
	For Up To 10, Add	8.36
	For >10 To 25, Add	2.89
	For >250, Deduct	-4.02
31 05 16 00-0006	TON #6 Stone Aggregate Fill (3/8" To 3/4" Clean).....	29.41
	For Up To 10, Add	8.51
	For >10 To 25, Add	2.94
	For >250, Deduct	-4.10
31 05 16 00-0007	TON #56 Stone Aggregate Fill (3/8" To 1").....	30.45
	For Up To 10, Add	8.83
	For >10 To 25, Add	3.05
	For >250, Deduct	-4.26
31 05 16 00-0008	TON #57 Stone Aggregate Fill (#4 To 1").....	31.07
	For Up To 10, Add	9.01
	For >10 To 25, Add	3.11
	For >250, Deduct	-4.35
31 05 16 00-0009	TON #67 Or #68 Stone Aggregate Fill (#4 To 3/4").....	31.65
	For Up To 10, Add	9.19
	For >10 To 25, Add	3.17
	For >250, Deduct	-4.44
31 05 16 00-0010	TON #7 Stone Aggregate Fill (1/2" To #4).....	31.76
	For Up To 10, Add	9.22
	For >10 To 25, Add	3.18
	For >250, Deduct	-4.45
31 05 16 00-0011	TON #78 Stone Aggregate Fill (#8 To 1/2").....	32.80
	For Up To 10, Add	9.53
	For >10 To 25, Add	3.28
	For >250, Deduct	-4.61
31 05 16 00-0012	TON #8 Stone Aggregate Fill (3/8" x 1/8").....	33.85
	For Up To 10, Add	9.85
	For >10 To 25, Add	3.39
	For >250, Deduct	-4.77
31 05 16 00-0013	TON #89 Stone Aggregate Fill (#16 To 3/8").....	34.01
	For Up To 10, Add	9.89
	For >10 To 25, Add	3.40
	For >250, Deduct	-4.79
31 05 16 00-0014	TON #9 Stone Aggregate Fill (1/4" Clean).....	34.18
	For Up To 10, Add	9.94
	For >10 To 25, Add	3.42
	For >250, Deduct	-4.82
31 05 16 00-0015	TON #10 Stone Aggregate Fill (#8 To 3/4).....	35.77
	For Up To 10, Add	10.42
	For >10 To 25, Add	3.58
	For >250, Deduct	-5.06
31 05 16 00-0016	TON Commercial Screenings.....	27.96
	For Up To 10, Add	8.08
	For >10 To 25, Add	2.80
	For >250, Deduct	-3.88
31 05 16 00-0017	TON Surge Stone Aggregate Fill (3" To 7" Random).....	31.59
	For Up To 10, Add	9.17
	For >10 To 25, Add	3.16
	For >250, Deduct	-4.43

31 Earthwork**31 05 Common Work Results For Earthwork****31 05 16 Aggregates For Earthwork**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 05 16 00-0018	TON	Surge Stone Graded Aggregate Fill (3" To 7")	37.65
		For Up To 10, Add	10.99
		For >10 To 25, Add	3.77
		For >250, Deduct	-5.34
31 05 16 00-0019	TON	Crusher Run Aggregate Fill (2-1/2" Minus)	29.89
		For Up To 10, Add	8.66
		For >10 To 25, Add	2.99
		For >250, Deduct	-4.17
31 05 16 00-0020	TON	Crusher Run Aggregate Fill (1-1/2" Minus)	28.85
		For Up To 10, Add	8.35
		For >10 To 25, Add	2.89
		For >250, Deduct	-4.02
31 05 16 00-0021	TON	Graded Aggregate Base Fill (3/4" Minus)	25.30
		For Up To 10, Add	7.28
		For >10 To 25, Add	2.53
		For >250, Deduct	-3.49
31 05 16 00-0022	TON	Limestone, 3/8" To 7/8"	22.36
		For Up To 10, Add	6.40
		For >10 To 25, Add	2.24
		For >250, Deduct	-3.04
31 05 16 00-0023	CY	Silica Sand	28.70
		For Up To 10, Add	8.20
		For >10 To 25, Add	2.87
		For >250, Deduct	-3.89
31 05 16 00-0024	TON	Beach Sand	27.73
		For Up To 10, Add	8.32
		For >10 To 25, Add	2.77
		For >250, Deduct	-4.16
31 05 16 00-0025	TON	Crushed Cementitious Coquina	13.29
		For Up To 10, Add	3.68
		For >10 To 25, Add	1.33
		For >250, Deduct	-1.68
31 05 16 00-0026	TON	Trap Sand, 37M	33.40
		For Up To 10, Add	9.71
		For >10 To 25, Add	3.34
		For >250, Deduct	-4.70
31 05 16 00-0027	TON	Pea Gravel	29.45
		For Up To 10, Add	8.53
		For >10 To 25, Add	2.95
		For >250, Deduct	-4.11
31 05 16 00-0028	CY	Soil Cement Sandbag	273.69
		For Up To 10, Add	79.50
		For >10 To 25, Add	27.37
		For >250, Deduct	-38.45

31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization (31)

(05)
 See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing (31)**31 11 Clearing And Grubbing (31 10)****31 11 00 00-0001 Clear And Grub Roots And Stumps (31 11)**

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip	3,417.50
		Note: Includes grub and removal of stump	
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	1,104.82
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	3,987.09
		Note: Includes grub and removal of stump	
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	1,841.36
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	4,530.78
		Note: Includes grub and removal of stump	
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	2,092.72
31 11 00 00-0008	ACR	Clearing By Machine - Light Brush Without Grub	126.25
31 11 00 00-0009	ACR	Clearing By Machine - Medium Brush Without Grub	290.06
31 11 00 00-0010	ACR	Clearing By Machine - Heavy Brush Without Grub	406.43
31 11 00 00-0011	ACR	Chipping - Light Brush	1,063.41
31 11 00 00-0012	ACR	Chipping - Medium Brush	1,367.32
31 11 00 00-0013	ACR	Chipping - Heavy Brush	1,914.42

31 11 00 00-0014 Loading Of Cleared And Grubbed Material (31 11)

See CSI section 01 74 19 00-0028 for hauling.

31 11 00 00-0015	CY	Machine Loading Of Cleared And Grubbed Material	5.09
31 11 00 00-0016	CY	Chute Loading Of Cleared And Grubbed Material	6.10
31 11 00 00-0017	CY	Hand Loading Of Cleared And Grubbed Material	11.83
31 11 00 00-0018	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	9.29

31 13 Selective Tree And Shrub Removal And Trimming (31 10)**31 13 13 Selective Tree And Shrub Removal (31 13)**



Earthwork	31	13
Site Clearing	31 10	
Selective Tree And Shrub Removal And Trimming	31 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0001 Individual Tree Removal <small>(31 13 13)</small> Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.		
31 13 13 00-0002 EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal.....	249.19	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0003 EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal.....	373.79	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0004 EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal.....	498.39	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0005 EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal.....	747.58	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0006 EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal.....	996.77	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0007 Stump Removal <small>(31 13 13)</small> Note: Measured by diameter of stump.		
31 13 13 00-0008 Stump Removal By Machine <small>(31 13 13 00-0007)</small>		
31 13 13 00-0009 EA Up To 6" Diameter Stump Removal.....	55.24	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0010 EA >6" To 12" Diameter Stump Removal.....	105.88	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0011 EA >12" To 24" Diameter Stump Removal.....	138.10	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0012 EA >24" To 36" Diameter Stump Removal.....	207.16	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0013 EA >36" To 48" Diameter Stump Removal.....	244.00	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0014 Stump Removal By Hand <small>(31 13 13 00-0007)</small>		
31 13 13 00-0015 EA Up To 6" Diameter Stump Removal By Hand.....	241.76	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0016 EA >6" To 12" Diameter Stump Removal By Hand.....	302.21	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0017 EA >12" To 24" Diameter Stump Removal By Hand.....	443.24	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0018 EA >24" To 36" Diameter Stump Removal By Hand.....	604.41	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0019 EA >36" To 48" Diameter Stump Removal By Hand.....	805.88	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0020 Stump Grinding <small>(31 13 13)</small> Note: Measured by diameter of stump.		
31 13 13 00-0021 Stump Grinding, 18" Deep Below Surface Of Soil <small>(31 13 13 00-0020)</small> Note: Level soil to match existing surface area.		
31 13 13 00-0022 EA Stump Grinding Up To 6" Tree.....	41.19	
For 24" Depth, Add	8.24	
31 13 13 00-0023 EA Stump Grinding >6" To 12" Tree.....	54.93	
For 24" Depth, Add	10.99	
31 13 13 00-0024 EA Stump Grinding >12" To 15" Tree.....	61.79	
For 24" Depth, Add	12.36	
31 13 13 00-0025 EA Stump Grinding >15" To 18" Tree.....	68.65	
For 24" Depth, Add	13.73	
31 13 13 00-0026 EA Stump Grinding >18" To 21" Tree.....	73.80	
For 24" Depth, Add	14.76	
31 13 13 00-0027 EA Stump Grinding >21" To 24" Tree.....	78.96	
For 24" Depth, Add	15.79	
31 13 13 00-0028 EA Stump Grinding >24" To 27" Tree.....	85.82	
For 24" Depth, Add	17.16	
31 13 13 00-0029 EA Stump Grinding >27" To 30" Tree.....	94.65	
For 24" Depth, Add	18.93	
31 13 13 00-0030 EA Stump Grinding >30" To 33" Tree.....	105.17	
For 24" Depth, Add	21.03	
31 13 13 00-0031 EA Stump Grinding >33" To 36" Tree.....	112.18	
For 24" Depth, Add	22.44	
31 13 13 00-0032 EA Stump Grinding >36" To 42" Tree.....	126.20	
For 24" Depth, Add	25.24	
31 13 13 00-0033 EA Stump Grinding >42" To 48" Tree.....	140.22	
For 24" Depth, Add	28.04	
31 13 16 Selective Tree And Shrub Trimming <small>(31 13)</small>		
31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance <small>(31 13 16)</small> Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002 LF Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction.....	0.71	

31 Earthwork**31 10 Site Clearing****31 13 Selective Tree And Shrub Removal And Trimming**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	1.07
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	1.26

31 20 Earth Moving ⁽³¹⁾

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in digger or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 23 Excavation And Fill ^(31 20)**31 23 16 Excavation** ^(31 23)**31 23 16 13 Trenching** ^(31 23 16)

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine ^(31 23 16 13)

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	4.94
		<i>For Excavation In Light Material (Class A), Deduct</i>	-0.62
		<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	1.98
		<i>For Up To 20, Add</i>	3.95
		<i>For >20 To 50, Add</i>	2.47
		<i>For >50 To 250, Add</i>	1.24
		<i>For >500 To 1,000, Deduct</i>	-0.74
		<i>For >1,000, Deduct</i>	-1.48
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	3.57
		<i>For Excavation In Light Material (Class A), Deduct</i>	-0.45
		<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	1.43
		<i>For Up To 20, Add</i>	2.86
		<i>For >20 To 50, Add</i>	1.79
		<i>For >50 To 250, Add</i>	0.89
		<i>For >500 To 1,000, Deduct</i>	-0.54
		<i>For >1,000, Deduct</i>	-1.07
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	8.18
		<i>For Up To 20, Add</i>	6.54
		<i>For >20 To 50, Add</i>	4.09
		<i>For >50 To 250, Add</i>	2.05
		<i>For >500 To 1,000, Deduct</i>	-1.23
		<i>For >1,000, Deduct</i>	-2.45
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	6.36
		<i>For Up To 20, Add</i>	5.09
		<i>For >20 To 50, Add</i>	3.18
		<i>For >50 To 250, Add</i>	1.59
		<i>For >500 To 1,000, Deduct</i>	-0.95
		<i>For >1,000, Deduct</i>	-1.91

31 23 16 13-0006 Excavation For Trenching By Hand ^(31 23 16 13)

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil	39.04
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock.....	66.97
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	

31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches ^(31 23 16 13)

Note: With imported or stockpiled materials.

31 23 16 13-0010	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine.....	1.72
		<i>For Up To 20, Add</i>	1.38
		<i>For >20 To 50, Add</i>	0.86
		<i>For >50 To 250, Add</i>	0.43
		<i>For >500 To 1,000, Deduct</i>	-0.26
		<i>For >1,000, Deduct</i>	-0.52
31 23 16 13-0011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand.....	10.85

31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches ^(31 23 16 13)

Note: Includes restoration of final grade.

31 23 16 13-0013	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera.....	2.32
		<i>For Up To 20, Add</i>	1.86
		<i>For >20 To 50, Add</i>	1.16
		<i>For >50 To 250, Add</i>	0.58
		<i>For >500 To 1,000, Deduct</i>	-0.35
		<i>For >1,000, Deduct</i>	-0.70
31 23 16 13-0014	CY	Compaction of Fill or Subbase for Trenches by Hand.....	12.23

31 23 16 13-0015 Loading Excess Material For Removal From Excavation For Trenches ^(31 23 16)

¹³⁾
Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.



Earthwork	31	13
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0016 CY Load Excess Material by Machine for Removal from Excavation for Trenching	2.99	
For Up To 20, Add	2.39	
For >20 To 50, Add	1.50	
For >50 To 250, Add	0.75	
For >500 To 1,000, Deduct	-0.45	
For >1,000, Deduct	-0.90	
31 23 16 13-0017 CY Load Excess Material by Hand for Removal from Excavation for Trenching	28.63	
31 23 16 13-0018 Spread Excess Or Imported Material For Trenches (31 23 16 13)		
Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0019 CY Spread Excess Or Imported Material On Site With Machine	1.49	
For Up To 20, Add	1.19	
For >20 To 50, Add	0.75	
For >50 To 250, Add	0.37	
For >500 To 1,000, Deduct	-0.22	
For >1,000, Deduct	-0.45	
31 23 16 13-0020 Direct Burial (Plowed-in) Cable Or Piping By Machine (31 23 16 13)		
Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021 LF Direct Burial of Cable or Piping up to 12" Deep	1.20	
31 23 16 13-0022 LF Direct Burial of Cable or Piping >12" to 24" Deep	1.31	
31 23 16 13-0023 LF Direct Burial of Cable or Piping >24" to 36" Deep	1.87	
31 23 16 13-0024 LF Direct Burial of Cable or Piping >36" to 48" Deep	2.12	
31 23 16 26 Rock Removal (31 23 16)		
31 23 16 26-0001 Rock Breaking By Machine (31 23 16 26)		
Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002 CY Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	16.13	
31 23 16 26-0003 CY Rock Breaking By Machine, Medium Metamorphic Rock (Slate).....	17.21	
31 23 16 26-0004 CY Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	20.44	
31 23 16 33 Bulk Excavation (31 23 16)		
Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material.		
31 23 16 33-0001 Excavation (31 23 16 33)		
Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002 CY Bulk Excavation by Dozer in Soil	4.66	
For Excavation In Light Material (Class A), Deduct	-0.58	
For Excavation In Heavy/Wet Material (Class C), Add	1.86	
For >1,000, Deduct	-0.70	
31 23 16 33-0003 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	2.89	
For Excavation In Light Material (Class A), Deduct	-0.36	
For Excavation In Heavy/Wet Material (Class C), Add	1.16	
For >1,000, Deduct	-0.43	
31 23 16 33-0004 CY Bulk Excavation by Dozer in Loose Rock	5.74	
For >1,000, Deduct	-0.86	
31 23 16 33-0005 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	3.55	
For >1,000, Deduct	-0.53	
31 23 16 33-0006 Spreading, Shaping And Rough Grading (31 23 16 33)		
Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007 CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine.....	2.88	
For >1,000, Deduct	-0.43	
31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations (31 23 16 33)		
Note: For bulk excavation.		
31 23 16 33-0009 CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	3.20	
For >1,000, Deduct	-0.48	
31 23 16 33-0010 Relocating On Site Excavated Material From Excavation (31 23 16 33)		
Note: For bulk excavation.		
31 23 16 33-0011 CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	2.56	
For >1,000, Deduct	-0.38	
31 23 16 33-0012 CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	3.84	
For >1,000, Deduct	-0.58	
31 23 16 33-0013 CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	5.75	
For >1,000, Deduct	-0.86	
31 23 16 33-0014 CY Relocating On Site Excavated Material From Bulk Excavation >1,000'	7.68	
For >1,000, Deduct	-1.15	
31 23 16 33-0015 Finish Grading (31 23 16 33)		
Note: For bulk excavation.		
31 23 16 33-0016 SY Finish Grading for Bulk Excavation by Machine.....	0.32	
31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift (31 23 16 33)		
Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.		

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine	0.31
		Note: Per Lift	
31 23 16 33-0019		Loading Excess Material For Removal From Excavation <small>(31 23 16 33)</small>	
		Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.	
31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation.....	2.94
		For >1,000, Deduct	-0.44
31 23 16 36		Excavation For Building Foundations And Other Structures <small>(31 23 16)</small>	
		Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.	
31 23 16 36-0001		Excavation <small>(31 23 16 36)</small>	
		Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.	
31 23 16 36-0002		Excavation For Building Foundations And Other Structures By Skid-Steer Loader <small>(31 23 16 36-0001)</small>	
31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	3.97
		For Excavation In Light Material (Class A), Deduct	-0.50
		For Excavation In Heavy/Wet Material (Class C), Add	1.59
		For Up To 20, Add	3.97
		For >20 To 50, Add	2.98
		For >50 To 250, Add	1.59
		For >250 To 500, Add	0.60
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock	4.89
		For Up To 20, Add	4.89
		For >20 To 50, Add	3.67
		For >50 To 250, Add	1.96
		For >250 To 500, Add	0.73
31 23 16 36-0005		Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader <small>(31 23 16 36-0001)</small>	
31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	3.47
		For Excavation In Light Material (Class A), Deduct	-0.43
		For Excavation In Heavy/Wet Material (Class C), Add	1.39
		For Up To 20, Add	3.47
		For >20 To 50, Add	2.60
		For >50 To 250, Add	1.39
		For >250 To 500, Add	0.52
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock	4.13
		For Up To 20, Add	4.13
		For >20 To 50, Add	3.10
		For >50 To 250, Add	1.65
		For >250 To 500, Add	0.62
31 23 16 36-0008		Excavation For Building Foundations And Other Structures By Hand <small>(31 23 16 36-0001)</small>	
		Note: For areas not accessible by machine and only with owner's approval.	
31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil.....	39.04
		For Excavation In Light Material (Class A), Deduct	-4.88
		For Excavation In Heavy/Wet Material (Class C), Add	15.62
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	66.97
31 23 16 36-0011		Relocating On Site Excavated Material From Excavation <small>(31 23 16 36)</small>	
		Note: For building foundations and other structures over 100'.	
31 23 16 36-0012	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'	2.56
		For Up To 20, Add	2.56
		For >20 To 50, Add	1.92
		For >50 To 250, Add	1.02
		For >250 To 500, Add	0.38
31 23 16 36-0013	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'	3.84
		For Up To 20, Add	3.84
		For >20 To 50, Add	2.88
		For >50 To 250, Add	1.54
		For >250 To 500, Add	0.58
31 23 16 36-0014	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'	5.75
		For Up To 20, Add	5.75
		For >20 To 50, Add	4.31
		For >50 To 250, Add	2.30
		For >250 To 500, Add	0.86
31 23 16 36-0015	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'	7.68
		For Up To 20, Add	7.68
		For >20 To 50, Add	5.76
		For >50 To 250, Add	3.07
		For >250 To 500, Add	1.15



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 16 36-0016	Backfilling <small>(31 23 16 36)</small>	
	Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.	
31 23 16 36-0017	CY Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	1.94
	For Up To 20, Add	1.94
	For >20 To 50, Add	1.46
	For >50 To 250, Add	0.78
	For >250 To 500, Add	0.29
31 23 16 36-0018	CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	2.68
	For Up To 20, Add	2.68
	For >20 To 50, Add	2.01
	For >50 To 250, Add	1.07
	For >250 To 500, Add	0.40
31 23 16 36-0019	CY Backfilling Around Building Foundations And Other Structures By Hand	18.59

31 23 16 36-0020	Compaction Of Fill Or Subbase <small>(31 23 16 36)</small>	
	Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.	
31 23 16 36-0021	CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	3.66
	For Up To 20, Add	3.66
	For >20 To 50, Add	2.75
	For >50 To 250, Add	1.46
	For >250 To 500, Add	0.55
31 23 16 36-0022	CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	12.23

31 23 16 36-0023	Grading <small>(31 23 16 36)</small>	
	Note: For building foundations and other structures.	
31 23 16 36-0024	SY Rough Grading For Building Foundations And Other Structures by Machine	0.55
31 23 16 36-0025	SY Finish Grading For Building Foundations And Other Structures by Machine	0.89
31 23 16 36-0026	SY Finish Grading For Building Foundations And Other Structures by Hand	3.62

31 23 16 36-0027	Loading Excess Material For Removal From Excavation <small>(31 23 16 36)</small>	
	Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.	
31 23 16 36-0028	CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	3.06
	For Up To 20, Add	3.06
	For >20 To 50, Add	2.30
	For >50 To 250, Add	1.22
	For >250 To 500, Add	0.46
31 23 16 36-0029	CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	28.63

31 23 16 36-0030	Spread Material <small>(31 23 16 36)</small>	
	Note: For building foundations and other structures.	
31 23 16 36-0031	CY Spread Excess Or Imported Material On Site By Machine	1.49
	For Up To 20, Add	1.49
	For >20 To 50, Add	1.12
	For >50 To 250, Add	0.60
	For >250 To 500, Add	0.22
31 23 16 36-0032	CY Spread Excess Or Imported Material On Site By Hand	15.80

31 23 19 Dewatering (31 23)

31 23 19 00-0001	Well Point Dewatering System <small>(31 23 19)</small>	
31 23 19 00-0002	Delivery, Installation And Removal Cost <small>(31 23 19 00-0001)</small>	
	Note: Priced by linear foot of header used.	
31 23 19 00-0003	LF Up To 100' In Length Well Point System Delivery, Installation And Removal	48.61
31 23 19 00-0004	LF >100' To 250' In Length Well Point System Delivery, Installation And Removal	26.73
31 23 19 00-0005	LF >250' To 500' In Length Well Point System Delivery, Installation And Removal	24.31
31 23 19 00-0006	LF >250' To 500' In Length Well Point System Delivery, Installation And Removal	21.88
31 23 19 00-0007	LF >500' To 1,000' In Length Well Point System Delivery, Installation And Removal	19.44
31 23 19 00-0008	LF >1,000' In Length Well Point System Delivery, Installation And Removal	17.01

31 23 19 00-0009	Well Point Dewatering System Rental <small>(31 23 19 00-0001)</small>	
	Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.	
31 23 19 00-0010	LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	1.18
	For >5 Days And <1 Month, Deduct	-0.26
	For >1 Month, Deduct	-0.33
31 23 19 00-0011	LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	0.69
	For >5 Days And <1 Month, Deduct	-0.15
	For >1 Month, Deduct	-0.19
31 23 19 00-0012	LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.49
	For >5 Days And <1 Month, Deduct	-0.11
	For >1 Month, Deduct	-0.14
31 23 19 00-0013	LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.36
	For >5 Days And <1 Month, Deduct	-0.08
	For >1 Month, Deduct	-0.10

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0014	LFD		>1,000' In Length Well Point System Rental (LF x Days = Quantity).....	0.33	
			<i>For >5 Days And <1 Month, Deduct</i>	-0.07	
			<i>For >1 Month, Deduct</i>	-0.09	
31 23 19 00-0015			Well Point Dewatering System Operation Costs (31 23 19 00-0001)		
			Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016	HR		Operation Costs.....	46.55	
31 23 23	Fill	(31 23)			
31 23 23 23	Compaction	(31 23 23)			
31 23 23 23-0001			Compaction Water, Water Truck And Operator (31 23 23 23)		
31 23 23 23-0002	MGL		Compaction Water, Water Truck And Operator.....	89.31	
			Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-1064 for water truck when water is available on site.		
31 23 23 33	Flowable Fill	(31 23 23)			
31 23 23 33-0001			Flowable Cement Backfill For Trenches (31 23 23 33)		
			Note: Includes compaction and restoration of final grade.		
31 23 23 33-0002	CY		Flowable Cement Backfill for Trenches.....	70.84	
			<i>For Up To 20, Add</i>	26.58	
			<i>For >20 To 50, Add</i>	17.36	
			<i>For >50 To 250, Add</i>	8.68	
			<i>For >500 To 1,000, Deduct</i>	-4.61	
			<i>For >1,000, Deduct</i>	-9.21	
31 24	Embankments	(31 24)			
31 24 13	Roadway Embankments	(31 24)			
31 24 13 00-0001			Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations (31 24 13)		
			Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.		
31 24 13 00-0002			Cutting, Shaping And Rough Grading (31 24 13 00-0001)		
			Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003			Cutting, Shaping, And Rough Grading By Machine (31 24 13 00-0002)		
31 24 13 00-0004	CY		Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil.....	3.20	
			<i>For Up To 20, Add</i>	3.20	
			<i>For >20 To 50, Add</i>	2.40	
			<i>For >50 To 250, Add</i>	1.28	
			<i>For >250 To 500, Add</i>	0.48	
			<i>For >1,000, Deduct</i>	-0.48	
31 24 13 00-0005	CY		Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	3.97	
			<i>For Up To 20, Add</i>	3.97	
			<i>For >20 To 50, Add</i>	2.98	
			<i>For >50 To 250, Add</i>	1.59	
			<i>For >250 To 500, Add</i>	0.60	
			<i>For >1,000, Deduct</i>	-0.60	
31 24 13 00-0006			Cutting, Shaping, And Rough Grading By Hand (31 24 13 00-0002)		
31 24 13 00-0007	SY		Shape Embankment/Slope By Hand Up To 1 On 4 Slope.....	2.01	
31 24 13 00-0008	SY		Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope.....	2.60	
31 24 13 00-0009			Scarify Soil (31 24 13 00-0001)		
			Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010	CSF		Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	2.96	
			<i>For Up To 20, Add</i>	1.48	
			<i>For >20 To 50, Add</i>	0.74	
			<i>For >250 To 500, Deduct</i>	-0.30	
			<i>For >500, Deduct</i>	-0.59	
31 24 13 00-0011			Relocating On Site Excavated Material (31 24 13 00-0001)		
31 24 13 00-0012	CY		>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments.....	5.75	
			<i>For Up To 20, Add</i>	5.75	
			<i>For >20 To 50, Add</i>	4.31	
			<i>For >50 To 250, Add</i>	2.30	
			<i>For >250 To 500, Add</i>	0.86	
			<i>For >1,000, Deduct</i>	-0.86	



	Earthwork	31	
	Earth Moving	31 20	15
	Embankments	31 24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments.....	7.68	
		For Up To 20, Add	7.68	
		For >20 To 50, Add	5.76	
		For >50 To 250, Add	3.07	
		For >250 To 500, Add	1.15	
		For >1,000, Deduct	-1.15	

31 24 13 00-0014		Spread And Shape Imported Or Stockpiled Material (31 24 13 00-0001)		
		Note: For roadways, parking areas, landscaping and embankments.		
31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments.....	3.51	
		For Up To 20, Add	3.51	
		For >20 To 50, Add	2.63	
		For >50 To 250, Add	1.40	
		For >250 To 500, Add	0.53	
		For >1,000, Deduct	-0.53	

31 24 13 00-0016		Grading (31 24 13 00-0001)		
		Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.33	
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.44	
31 24 13 00-0019	LF	Finish Grade For Curb.....	0.50	
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter.....	0.61	

31 24 13 00-0021		Compaction Of Fill Or Subbase (31 24 13 00-0001)		
		Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.31	
		For Up To 250, Add	0.31	
		For >250 To 500, Add	0.23	
		For >500 To 1,000, Add	0.12	
		For >5,000, Deduct	-0.05	

31 24 13 00-0023		Loading Excess Material For Removal From Excavation (31 24 13 00-0001)		
		Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine.....	2.94	
		For Up To 20, Add	2.94	
		For >20 To 50, Add	2.21	
		For >50 To 250, Add	1.18	
		For >250 To 500, Add	0.44	
		For >1,000, Deduct	-0.44	

31 25 Erosion And Sedimentation Controls (31 20)

31 25 14 Stabilization Measures For Erosion And Sedimentation Control (31 25)

31 25 14 13 Hydraulically-Applied Erosion Control (31 25 14)

31 25 14 13-0001		Bonded Fiber Matrix (31 25 14 13)		
31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	29.02	
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	27.02	
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	25.32	
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied.....	24.35	

31 25 14 16 Rolled Erosion Control Mats And Blankets (31 25 14)

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001		Erosion Control Blankets And Turf Reinforcement Mats (31 25 14 16)		
31 25 14 16-0002		Erosion Control Blankets, Short Term, Light Duty (31 25 14 16-0001)		
31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket.....	0.91	
		Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket.....	1.17	
		Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket.....	0.86	
		Note: As manufactured by American Excelsior		
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket.....	0.91	
		Note: As manufactured by American Green.		
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	0.81	
31 25 14 16-0008		Erosion Control Blankets, Intermediate Duration (31 25 14 16-0001)		
31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket.....	1.16	
		Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket.....	1.57	
		Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		

31 Earthwork**31 20 Earth Moving****31 25 Erosion And Sedimentation Controls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0011	SY		Curlex II, Double Net Erosion Control Blanket, Natural.....	0.97	
			Note: As manufactured by American Excelsior.		
31 25 14 16-0012	SY		Curlex II, Double Net Erosion Control Blanket, Green	1.01	
			Note: As manufactured by American Excelsior.		
31 25 14 16-0013	SY		Enforcer Double Net Erosion Control Blanket.....	1.08	
			Note: As manufactured by American Excelsior.		
31 25 14 16-0014			Turf Reinforcement Mats (TRM) ^(31 25 14 16-0001)		
			Note: Permanent, UV stabilized.		
31 25 14 16-0015	SY		P300 Permanent Polypropylene Turf Reinforcement Mat.....	6.96	
			Note: 100% synthetic, UV stabilized, two layer netting.		
31 25 14 16-0016	SY		C350 Permanent Turf Reinforcement Mat.....	6.32	
			Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
31 25 14 16-0017	SY		Recyclex TRM, Permanent Turf Reinforcement Mat.....	4.78	
			Note: As manufactured by American Excelsior, 100% recycled		
31 25 14 16-0018			Jute Mesh Erosion Control Blankets ^(31 25 14 16-0001)		
31 25 14 16-0019	SY		Jute Mesh, Open Uniform Weave	1.09	
31 25 14 16-0020			Revegetation Mat ^(31 25 14 16-0001)		
31 25 14 16-0021	SY		3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber	6.03	
			Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		
31 25 14 16-0022	SY		Webbed Revegetation Mat, Polypropylene Fiber.....	8.73	
			Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		
31 25 14 23			Stabilization Measures For Erosion Control ^(31 25 14)		
			See CSI section 01 74 19 00-0028 for hauling greater than 15 miles.		
31 25 14 23-0001			Sand And Gravel Bags ^(31 25 14 23)		
			Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002	BAG		50 LB Capacity Nylon Or Poly Sand Bag With Sand	2.58	0.83
			For >2,500 To 5,000, Deduct	-0.16	
			For >5,000, Deduct	-0.42	
31 25 14 23-0003	BAG		50 LB Capacity Biodegradable Burlap Sand Bag With Sand	2.87	
			For >2,500 To 5,000, Deduct	-0.16	
			For >5,000, Deduct	-0.45	
31 25 14 23-0004	BAG		33 LB Capacity Nylon Or Poly Bag With 5/16" To 3/4" Gravel.....	2.50	0.54
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.36	
31 25 14 23-0005			Turbidity Curtain ^(31 25 14 23)		
			Note: Type 2 curtain.		
31 25 14 23-0006	LF		3' High Turbidity Curtain.....	15.42	
31 25 14 23-0007	LF		4' High Turbidity Curtain.....	16.80	
31 25 14 23-0008	LF		5' High Turbidity Curtain.....	18.78	
31 25 14 23-0009	LF		6' High Turbidity Curtain.....	20.43	
31 25 14 23-0010	LF		7' High Turbidity Curtain.....	21.44	
31 25 14 23-0011	LF		8' High Turbidity Curtain.....	22.44	
31 25 14 23-0012	LF		9' High Turbidity Curtain.....	23.62	
31 25 14 23-0013	LF		10' High Turbidity Curtain.....	25.31	
31 25 14 23-0014	LF		12' High Turbidity Curtain.....	26.61	
31 25 14 23-0015	LF		13' High Turbidity Curtain.....	28.39	
31 25 14 23-0016	LF		14' High Turbidity Curtain.....	30.03	
31 25 14 23-0017	LF		15' High Turbidity Curtain.....	31.59	
31 25 14 23-0018	LF		16' High Turbidity Curtain.....	34.57	
31 25 14 23-0019	LF		17' High Turbidity Curtain.....	36.26	
31 25 14 23-0020	LF		18' High Turbidity Curtain.....	37.87	
31 25 14 23-0021	LF		19' High Turbidity Curtain.....	39.57	
31 25 14 23-0022	LF		20' High Turbidity Curtain.....	41.21	
31 25 14 23-0023			Filter Bags ^(31 25 14 23)		
31 25 14 23-0024			Non-Woven Filter Bags ^(31 25 14 23-0023)		
31 25 14 23-0025	EA		6' x 15' Non-Woven Filter Bag.....	131.16	
31 25 14 23-0026	EA		13' x 15' Non-Woven Filter Bag.....	190.48	
31 25 14 23-0027	EA		15' x 15' Non-Woven Filter Bag.....	218.21	
31 25 14 23-0028			Monofilament Filter Bags ^(31 25 14 23-0023)		
31 25 14 23-0029	EA		5' x 15' Monofilament Filter Bag.....	136.61	
31 25 14 23-0030	EA		10' x 15' Monofilament Filter Bag.....	189.94	
31 25 14 23-0031			Cable Articulating Concrete Block ^(31 25 14 23)		
			Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		



Earthwork	31	15
Earth Moving	31 20	
Erosion And Sedimentation Controls	31 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0032 SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill 16.73 <i>For Up To 500, Add 3.69</i> <i>For >500 To 1,000, Add 2.01</i>		
31 25 14 23-0033 SF 6" Open Cell Articulated Concrete Block With Earth Backfill 19.33 <i>For Up To 500, Add 4.24</i> <i>For >500 To 1,000, Add 2.30</i>		
31 25 14 23-0034 SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill 22.29 <i>For Up To 500, Add 4.87</i> <i>For >500 To 1,000, Add 2.64</i>		
31 25 14 23-0035 SF 9" Open Cell Articulated Concrete Block With Earth Backfill 25.20 <i>For Up To 500, Add 5.49</i> <i>For >500 To 1,000, Add 2.97</i>		
31 25 14 23-0036 SF 4.75" Closed Cell Articulated Concrete Block 18.22 <i>For Up To 500, Add 3.98</i> <i>For >500 To 1,000, Add 2.16</i>		
31 25 14 23-0037 SF 6" Closed Cell Articulated Concrete Block 21.12 <i>For Up To 500, Add 4.59</i> <i>For >500 To 1,000, Add 2.48</i>		
31 25 14 23-0038 SF 7.5" Closed Cell Articulated Concrete Block 24.41 <i>For Up To 500, Add 5.29</i> <i>For >500 To 1,000, Add 2.85</i>		
31 25 14 23-0039 SF 9" Closed Cell Articulated Concrete Block 27.63 <i>For Up To 500, Add 5.98</i> <i>For >500 To 1,000, Add 3.22</i>		

31 25 14 26 Stabilization Measures For Sedimentation Control (31 25 14)

31 25 14 26-0001 Silt Fences And Dike Barriers (31 25 14 26) <i>Note: Includes stakes and embedding.</i>		
31 25 14 26-0002 Silt Fences 2' High (31 25 14 26-0001)		
31 25 14 26-0003 LF 2' High Silt Fence with Stakes at 4' On Center 1.19		
31 25 14 26-0004 LF 2' High Silt Fence with Stakes at 6' On Center 0.93		
31 25 14 26-0005 LF 2' High Silt Fence with Stakes at 8' On Center 0.69		
31 25 14 26-0006 LF 2' High Silt Fence with Stakes at 10' On Center 0.62		
31 25 14 26-0007 Silt Fences 3' High (31 25 14 26-0001)		
31 25 14 26-0008 LF 3' High Silt Fence with Stakes at 4' On Center 1.08		
31 25 14 26-0009 LF 3' High Silt Fence with Stakes at 6' On Center 0.98		
31 25 14 26-0010 LF 3' High Silt Fence with Stakes at 8' On Center 0.61		
31 25 14 26-0011 LF 3' High Silt Fence with Stakes at 10' On Center 0.66		
31 25 14 26-0012 Silt Dike Barrier (31 25 14 26-0001)		
31 25 14 26-0013 LF Silt Dike Barrier With Stakes 1.61		
31 25 14 26-0014 Silt Fences Removal (31 25 14 26-0001)		
31 25 14 26-0015 LF Removal Of Silt Fence And Stakes 0.26		
31 25 14 26-0016 Hay And Straw Bales (31 25 14 26) <i>Note: Includes trench for placement, and stakes.</i>		
31 25 14 26-0017 LF Place Sterilized Straw Bales 2.00 <i>Note: Includes securing in ground with stakes.</i>		
31 25 14 26-0018 LF Place Hay Bales 1.78 <i>Note: Includes securing in ground with stakes.</i>		
31 25 14 26-0019 TON Place And Remove Hay Bales, Includes Securing In Ground With Stakes (18" x 18" x 36") 199.62		
31 25 14 26-0020 LF Removal Of Hay Or Straw Bales 0.46 <i>Note: Includes removal of stakes.</i>		
31 25 14 26-0021 Sediment Logs (Degradable) (31 25 14 26)		
31 25 14 26-0022 Sediment Logs (Degradable) (31 25 14 26-0021) <i>Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.</i>		
31 25 14 26-0023 LF 12" Sediment Log 4.96		
31 25 14 26-0024 LF 20" Sediment Log 6.13		
31 25 14 26-0025 Wattles (Degradable) (31 25 14 26-0021) <i>Note: Includes trench for placement, 24" wood staking at 4' O.C.</i>		
31 25 14 26-0026 EA Wattles (Sterile Straw Filled Rolls), 9" x 25' 78.32		
31 25 14 26-0027 EA Wattles (Sterile Straw Filled Rolls), 12" x 20' 79.71		
31 25 14 26-0028 Inlet Protection Sediment Bags (31 25 14 26) <i>Note: Includes removal, cleaning, and replacement per each location.</i>		
31 25 14 26-0029 EA 2' x 2' x 3' Inlet Protection Sediment Bag 25.80		
31 25 14 26-0030 EA 2' x 3' x 3' Inlet Protection Sediment Bag 33.93		
31 25 14 26-0031 EA 2' x 4' x 3' Inlet Protection Sediment Bag 43.61		

31 30 Earthwork Methods (31)

31	Earthwork
31 30	Earthwork Methods
31 31	Soil Treatment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 31 Soil Treatment ^(31 30)

31 31 16 Termite Control ^(31 31)

31 31 16 13 Chemical Termite Control ^(31 31 16)

31 31 16 13-0001 Commercial Use ^(31 31 16 13)

31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.64
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls	0.64

31 31 16 13-0004 Residential Use ^(31 31 16 13)

31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	0.41
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure	0.54

31 31 19 Vegetation Control ^(31 31)

31 31 19 13 Chemical Vegetation Control ^(31 31 19)

31 31 19 13-0001 Soil Sterilants ^(31 31 19 13)

31 31 19 13-0002	SF	Up To 5,000 SF Soil Sterilant	3.32
Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.			
For >45 To 90, Deduct			-0.17
For >90 To 225, Deduct			-0.50
For >225, Deduct			-0.83

31 32 Soil Stabilization ^(31 30)

31 32 13 Soil Mixing Stabilization ^(31 32)

31 32 13 16 Cement Soil Stabilization ^(31 32 13)

31 32 13 16-0001 Cementitious Soil Binder ^(31 32 13 16)

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	18.19
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	21.48
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	26.90
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	32.24

31 32 13 19 Lime Soil Stabilization ^(31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0028 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry ^(31 32 13 19)

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	14.85
31 32 13 19-0003	TON	Cement Stabilized Base Material	61.05
31 32 13 19-0004	CWT	Lime For Soil Stabilization	9.88
Note: Excludes the cost for spreading or backfilling			
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	9.70
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	2.00

31 32 13 19-0007 Lime Stabilized Subgrade ^(31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 LB	5.65
For 4% Lime Instead Of 5%, Deduct			-0.18
For 6% Lime Instead Of 5%, Add			0.18
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 LB	6.55
For 4% Lime Instead Of 5%, Deduct			-0.20
For 6% Lime Instead Of 5%, Add			0.20
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 LB	7.48
For 4% Lime Instead Of 5%, Deduct			-0.23
For 6% Lime Instead Of 5%, Add			0.23

31 32 13 29 Liquid Soil Stabilization ^(31 32 13)

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	1.48
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31 32 19 Geosynthetic Soil Stabilization And Layer Separation ^(31 32)

31 32 19 13 Geogrid Soil Stabilization ^(31 32 19)

31 32 19 13-0001 Geogrid Fabrics ^(31 32 19 13)

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002	SY	5.3 Oz/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	2.24
For Up To 50, Add			0.48
For >50 To 150, Add			0.36
For >150 To 250, Add			0.24
For >250 To 500, Add			0.12



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0003	SY		6.9 Oz/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300).....	2.57	
			For Up To 50, Add	0.55	
			For >50 To 150, Add	0.41	
			For >150 To 250, Add	0.27	
			For >250 To 500, Add	0.13	
31 32 19 13-0004	SY		8.7 Oz/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	2.80	
			For Up To 50, Add	0.60	
			For >50 To 150, Add	0.44	
			For >150 To 250, Add	0.29	
			For >250 To 500, Add	0.15	
31 32 19 13-0005	SY		12.6 Oz/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	4.06	
			For Up To 50, Add	0.85	
			For >50 To 150, Add	0.64	
			For >150 To 250, Add	0.42	
			For >250 To 500, Add	0.21	
31 32 19 13-0006	SY		14.1 Oz/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	4.64	
			For Up To 50, Add	0.97	
			For >50 To 150, Add	0.72	
			For >150 To 250, Add	0.48	
			For >250 To 500, Add	0.24	
31 32 19 13-0007	SY		4.3 Oz/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20).....	2.28	
			For Up To 50, Add	0.49	
			For >50 To 150, Add	0.36	
			For >150 To 250, Add	0.24	
			For >250 To 500, Add	0.12	
31 32 19 13-0008	SY		5.9 Oz/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30).....	3.38	
			For Up To 50, Add	0.71	
			For >50 To 150, Add	0.53	
			For >150 To 250, Add	0.35	
			For >250 To 500, Add	0.18	
31 32 19 16 Geotextile Soil Stabilization (31 32 19)					
31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)					
Note: For drainage, filtration and separation.					
31 32 19 16-0002	SY		3.0 Oz/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	0.69	
			For Up To 50, Add	0.15	
			For >50 To 150, Add	0.11	
			For >150 To 250, Add	0.07	
			For >250 To 500, Add	0.04	
31 32 19 16-0003	SY		3.5 Oz/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	0.74	
			For Up To 50, Add	0.16	
			For >50 To 150, Add	0.12	
			For >150 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
31 32 19 16-0004	SY		4.0 Oz/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	0.81	
			For Up To 50, Add	0.17	
			For >50 To 150, Add	0.13	
			For >150 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
31 32 19 16-0005	SY		4.5 Oz/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	0.87	
			For Up To 50, Add	0.19	
			For >50 To 150, Add	0.14	
			For >150 To 250, Add	0.09	
			For >250 To 500, Add	0.05	
31 32 19 16-0006	SY		6.0 Oz/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	1.03	
			For Up To 50, Add	0.22	
			For >50 To 150, Add	0.16	
			For >150 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
31 32 19 16-0007	SY		7.0 Oz/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	1.21	
			For Up To 50, Add	0.26	
			For >50 To 150, Add	0.19	
			For >150 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
31 32 19 16-0008	SY		8.0 Oz/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	1.34	
			For Up To 50, Add	0.28	
			For >50 To 150, Add	0.21	
			For >150 To 250, Add	0.14	
			For >250 To 500, Add	0.07	
31 32 19 16-0009	SY		10 Oz/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	1.66	
			For Up To 50, Add	0.35	
			For >50 To 150, Add	0.26	
			For >150 To 250, Add	0.17	
			For >250 To 500, Add	0.09	
31 32 19 16-0010 Woven Geotextiles Fabric (31 32 19 16)					
31 32 19 16-0011	SY		200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55).....	1.01	
			For Up To 50, Add	0.21	
			For >50 To 150, Add	0.16	
			For >150 To 250, Add	0.11	
			For >250 To 500, Add	0.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 19 16-0012	SY		315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	1.43	
			<i>For Up To 50, Add</i>	0.30	
			<i>For >50 To 150, Add</i>	0.22	
			<i>For >150 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0013	SY		4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	2.54	
			<i>For Up To 50, Add</i>	0.52	
			<i>For >50 To 150, Add</i>	0.39	
			<i>For >150 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.13	
31 32 19 16-0014	SY		11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	2.47	
			<i>For Up To 50, Add</i>	0.51	
			<i>For >50 To 150, Add</i>	0.38	
			<i>For >150 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.13	
31 32 19 16-0015	SY		6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	2.15	
			<i>For Up To 50, Add</i>	0.45	
			<i>For >50 To 150, Add</i>	0.33	
			<i>For >150 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.11	
31 32 19 16-0016	SY		9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	2.31	
			<i>For Up To 50, Add</i>	0.48	
			<i>For >50 To 150, Add</i>	0.36	
			<i>For >150 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.12	
31 32 19 16-0017	SY		12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	2.96	
			<i>For Up To 50, Add</i>	0.61	
			<i>For >50 To 150, Add</i>	0.45	
			<i>For >150 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.15	
31 32 19 16-0018	SY		12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	4.23	
			<i>For Up To 50, Add</i>	0.86	
			<i>For >50 To 150, Add</i>	0.64	
			<i>For >150 To 250, Add</i>	0.43	
			<i>For >250 To 500, Add</i>	0.21	

31 32 19 16-0019 Geomembranes (31 32 19 16)**31 32 19 16-0020 Polyvinyl Chloride (PVC) Geomembrane** (31 32 19 16-0019)

31 32 19 16-0021	SF		20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.71	
31 32 19 16-0022	SF		30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.83	
31 32 19 16-0023	SF		40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.01	
31 32 19 16-0024	SF		50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.24	
31 32 19 16-0025	SF		60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.43	
31 32 19 16-0026	SF		70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.57	
31 32 19 16-0027	SF		80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.70	
31 32 19 16-0028	SF		90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.89	
31 32 19 16-0029	SF		100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.07	

31 32 19 16-0030 High Density Polyethylene (HDPE) Geomembrane (31 32 19 16-0019)

31 32 19 16-0031	SF		20 Mil High Density Polyethylene Membrane (US Fabrics)	0.43	
31 32 19 16-0032	SF		30 Mil High Density Polyethylene Membrane (US Fabrics)	0.64	
31 32 19 16-0033	SF		40 Mil High Density Polyethylene Membrane (US Fabrics)	0.78	
31 32 19 16-0034	SF		50 Mil High Density Polyethylene Membrane (US Fabrics)	1.41	
31 32 19 16-0035	SF		60 Mil High Density Polyethylene Membrane (US Fabrics)	1.05	
31 32 19 16-0036	SF		80 Mil High Density Polyethylene Membrane (US Fabrics)	1.34	
31 32 19 16-0037	SF		100 Mil High Density Polyethylene Membrane (US Fabrics)	1.63	
31 32 19 16-0038	SF		120 Mil High Density Polyethylene Membrane (US Fabrics)	3.11	
31 32 19 16-0039	SF		140 Mil High Density Polyethylene Membrane (US Fabrics)	3.23	

31 32 19 26 Geoweb Cellular Confinement System (31 32 19)

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System (31 32 19 26)

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF		4" Geoweb Cellular Confinement System (Presto Geosystems)	3.02	
			<i>For >20,000, Deduct</i>	-0.08	
			<i>For >2:1 Slope, Add</i>	0.45	
31 32 19 26-0003	SF		6" Geoweb Cellular Confinement System (Presto Geosystems)	3.77	
			<i>For >20,000, Deduct</i>	-0.12	
			<i>For >2:1 Slope, Add</i>	0.45	
31 32 19 26-0004	SF		8" Geoweb Cellular Confinement System (Presto Geosystems)	4.66	
			<i>For >20,000, Deduct</i>	-0.17	
			<i>For >2:1 Slope, Add</i>	0.45	

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19



	Earthwork	31	
	Earthwork Methods	31 30	15
	Riprap	31 37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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00-0028 for hauling greater than 15 miles.

31 37 00 00-0001			Random - Filter Stone <small>(31 37)</small>		
31 37 00 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	.....	56.78	
		<i>For Chinking Material, Add</i>		12.06	
31 37 00 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	.....	67.08	
		<i>For Chinking Material, Add</i>		12.06	
31 37 00 00-0004	CY	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	.....	71.94	
		<i>For Chinking Material, Add</i>		12.06	
31 37 00 00-0005	CY	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	.....	77.46	
		<i>For Chinking Material, Add</i>		12.06	
31 37 00 00-0006	CY	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	.....	81.91	
		<i>For Chinking Material, Add</i>		12.06	
31 37 00 00-0007	CY	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	.....	89.20	
31 37 00 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	.....	91.28	
31 37 00 00-0009	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	.....	37.01	
31 37 00 00-0010	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	.....	43.55	
31 37 00 00-0011	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	.....	46.63	
31 37 00 00-0012	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	.....	50.14	
31 37 00 00-0013	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	.....	52.96	
31 37 00 00-0014	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	.....	57.64	
31 37 00 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	.....	86.88	
31 37 00 00-0016	TON	Additional Cost For Placement Of Rip-Rap By Barge Instead Of Truck	.....	66.46	

31 40 Shoring And Underpinning (31)

31 41 Shoring (31 40)

31 41 13 Timber Shoring (31 41)

31 41 13 00-0001		Wood Sheet Piling <small>(31 41 13)</small>			
31 41 13 00-0002		Pull And Salvage <small>(31 41 13 00-0001)</small>			
		Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.			
31 41 13 00-0003	SF	Wood Shoring, 8' Deep Excavation, Pull And Salvage	.....	5.65	
		<i>For Wood Sheeting Left In Place</i>		0.91	
31 41 13 00-0004	SF	Wood Shoring, 10' Deep Excavation, Pull And Salvage	.....	6.05	
		<i>For Wood Sheeting Left In Place</i>		0.89	
31 41 13 00-0005	SF	Wood Shoring, 12' Deep Excavation, Pull And Salvage	.....	6.48	
		<i>For Wood Sheeting Left In Place</i>		0.86	
31 41 13 00-0006	SF	Wood Shoring, 14' Deep Excavation, Pull And Salvage	.....	6.95	
		<i>For Wood Sheeting Left In Place</i>		0.81	
31 41 13 00-0007	SF	Wood Shoring, 16' Deep Excavation, Pull And Salvage	.....	7.45	
		<i>For Wood Sheeting Left In Place</i>		0.76	
31 41 13 00-0008	SF	Wood Shoring, 18' Deep Excavation, Pull And Salvage	.....	7.99	
		<i>For Wood Sheeting Left In Place</i>		0.70	
31 41 13 00-0009	SF	Wood Shoring, 20' Deep Excavation, Pull And Salvage	.....	8.58	
		<i>For Wood Sheeting Left In Place</i>		0.63	

31 41 16 Sheet Piling (31 41)

Note: Includes unloading, labor, equipment and material for installation and loading after use.

31 41 16 13 Steel Sheet Piling (31 41 16)

31 41 16 13-0001		Standard Carbon Grade Steel Sheeting - Pull And Salvage <small>(31 41 16 13)</small>			
		Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.			
31 41 16 13-0002	TON	Shoring For 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	.....	1,245.05	
		<i>For Standard Sheeting Left In Place, Add</i>		1,151.66	
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>		1,541.12	
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>		97.36	
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>		108.18	
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>		335.36	
		<i>For Each Additional Month >3 Months, Add</i>		54.09	
31 41 16 13-0003	TON	Shoring For 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	.....	1,282.99	
		<i>For Standard Sheeting Left In Place, Add</i>		1,132.69	
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>		1,522.15	
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>		97.36	
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>		108.18	
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>		335.36	
		<i>For Each Additional Month >3 Months, Add</i>		54.09	
31 41 16 13-0004	TON	Shoring For 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	.....	1,459.35	
		<i>For Standard Sheeting Left In Place, Add</i>		1,044.51	
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>		1,433.97	
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>		97.36	
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>		108.18	
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>		335.36	
		<i>For Each Additional Month >3 Months, Add</i>		54.09	

31 Earthwork**31 40 Shoring And Underpinning****31 41 Shoring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 16 13-0005	TON		Shoring For 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	1,629.06	
			For Standard Sheeting Left In Place, Add	959.65	
			For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,349.11	
			For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	97.36	
			For High Strength Sheeting 55,000 PSI Grade, Add	108.18	
			For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	335.36	
			For Each Additional Month >3 Months, Add	54.09	
31 41 16 13-0006	TON		Shoring For 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	1,728.89	
			For Standard Sheeting Left In Place, Add	909.74	
			For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,299.20	
			For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	97.36	
			For High Strength Sheeting 55,000 PSI Grade, Add	108.18	
			For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	335.36	
			For Each Additional Month >3 Months, Add	54.09	
31 41 16 13-0007	TON		Shoring For 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	1,830.72	
			For Standard Sheeting Left In Place, Add	858.82	
			For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,248.28	
			For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	97.36	
			For High Strength Sheeting 55,000 PSI Grade, Add	108.18	
			For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	335.36	
			For Each Additional Month >3 Months, Add	54.09	
31 41 16 16			Plastic Sheet Piling (31 41 16)		
31 41 16 16-0001			Vinyl Piling (31 41 16 16)		
31 41 16 16-0002	SF		0.46" Thick, 12" Wide Rigid Vinyl Piling.....	17.88	1.36
			For <20' Piling Lengths, Add	1.03	
31 45			Vibroflotation And Densification (31 40)		
31 45 13			Vibroflotation (31 45)		
31 45 13 00-0001	LCY		Soil Stabilization, Vibroflotation.....	7.91	
31 60			Special Foundations And Load-bearing Elements (31)		
31 62			Driven Piles (31 60)		
31 62 13			Concrete Piles (31 62)		
31 62 13 19			Precast Concrete Piles (31 62 13)		
31 62 13 19-0001			Concrete Piles (31 62 13 19)		
			Note: 12" x 12". Excludes equipment mobilization, transportation, set-up and demobilization.		
31 62 13 19-0002	VLF		Up To 10' Concrete Pile.....	78.55	
			For Water Driven Piles, Add	26.25	
31 62 13 19-0003	VLF		>10 To 15' Concrete Pile.....	56.62	
			For Water Driven Piles, Add	17.72	
31 62 13 19-0004	VLF		>15 To 20' Concrete Pile.....	45.36	
			For Water Driven Piles, Add	13.45	
31 62 13 19-0005	VLF		>20 To 25' Concrete Pile.....	38.76	
			For Water Driven Piles, Add	11.04	
31 62 13 19-0006	VLF		>25 To 30' Concrete Pile.....	34.20	
			For Water Driven Piles, Add	9.42	
31 62 13 19-0007	VLF		>30 To 35' Concrete Pile.....	30.81	
			For Water Driven Piles, Add	8.27	
31 62 13 19-0008	VLF		>35 To 40' Concrete Pile.....	28.15	
			For Water Driven Piles, Add	7.40	
31 62 19			Timber Piles (31 62)		
31 62 19 00-0001			CCA Piles (31 62 19)		
			Note: 12" minimum butt diameter. Excludes equipment mobilization, transportation, set-up and demobilization.		
31 62 19 00-0002	VLF		Up To 10' CCA Pile.....	75.66	
			For Water Driven Piles, Add	25.17	
31 62 19 00-0003	VLF		>10 To 15' CCA Pile.....	54.68	
			For Water Driven Piles, Add	17.11	
31 62 19 00-0004	VLF		>15 To 20' CCA Pile.....	43.83	
			For Water Driven Piles, Add	13.08	
31 62 19 00-0005	VLF		>20 To 25' CCA Pile.....	37.50	
			For Water Driven Piles, Add	10.84	
31 62 19 00-0006	VLF		>25 To 30' CCA Pile.....	33.10	
			For Water Driven Piles, Add	9.35	
31 62 19 00-0007	VLF		>30 To 35' CCA Pile.....	29.79	
			For Water Driven Piles, Add	8.28	
31 62 19 00-0008	VLF		>35 To 40' CCA Pile.....	27.22	
			For Water Driven Piles, Add	7.48	
31 62 19 00-0009			Greenheart Piles (31 62 19)		
			Note: 12" minimum butt diameter. Excludes equipment mobilization, transportation, set-up and demobilization.		
31 62 19 00-0010	VLF		Up To 10' Greenheart Pile.....	114.52	
			For Water Driven Piles, Add	36.73	
31 62 19 00-0011	VLF		>10 To 15' Greenheart Pile.....	75.71	
			For Water Driven Piles, Add	24.23	



Earthwork	31	15
Special Foundations And Load-bearing Elements	31 60	
Driven Piles	31 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 19 00-0012 VLF >15 To 20' Greenheart Pile..... <i>For Water Driven Piles, Add</i>	67.66 17.98	
31 62 19 00-0013 VLF >20 To 25' Greenheart Pile..... <i>For Water Driven Piles, Add</i>	57.57 15.76	
31 62 19 00-0014 VLF >25 To 30' Greenheart Pile..... <i>For Water Driven Piles, Add</i>	50.84 14.28	
31 62 19 00-0015 VLF >30 To 35' Greenheart Pile..... <i>For Water Driven Piles, Add</i>	46.04 13.23	
31 62 19 00-0016 VLF >35 To 40' Greenheart Pile..... <i>For Water Driven Piles, Add</i>	42.44 12.43	

END OF SECTION 31

31	31	Earthwork
	31 60	Special Foundations And Load-bearing Elements
	31 62	Driven Piles



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 Exterior Improvements

Note: The cost all quality control is borne by the Contractor and is included in the unit prices for task or assembly items. All test report(s) shall be sent to the Owner's PM.

32 01 Operation And Maintenance Of Exterior Improvements ⁽³²⁾

32 01 11 Paving Cleaning ^(32 01)

32 01 11 53 Paint Removal From Paving ^(32 01 11)

32 01 11 53-0001 Remove Pavement Markings ^(32 01 11 53)

Note: Includes vacuuming of removed striped area and containment of debris. Excludes disposal.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	0.57
		For Up To 250, Add	0.29
		For >250 To 1,000, Add	0.14
		For >5,000 To 10,000, Deduct	-0.09
		For >10,000 To 25,000, Deduct	-0.14
		For >25,000 To 50,000, Deduct	-0.20
		For >50,000, Deduct	-0.23
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	0.70
		For Up To 250, Add	0.35
		For >250 To 1,000, Add	0.18
		For >5,000 To 10,000, Deduct	-0.11
		For >10,000 To 25,000, Deduct	-0.18
		For >25,000 To 50,000, Deduct	-0.25
		For >50,000, Deduct	-0.28
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	0.83
		For Up To 250, Add	0.42
		For >250 To 1,000, Add	0.21
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 25,000, Deduct	-0.21
		For >25,000 To 50,000, Deduct	-0.29
		For >50,000, Deduct	-0.33
32 01 11 53-0005	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	0.99
		For Up To 250, Add	0.50
		For >250 To 1,000, Add	0.25
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 25,000, Deduct	-0.25
		For >25,000 To 50,000, Deduct	-0.35
		For >50,000, Deduct	-0.40
32 01 11 53-0006	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	0.99
		For Up To 250, Add	0.50
		For >250 To 1,000, Add	0.25
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 25,000, Deduct	-0.25
		For >25,000 To 50,000, Deduct	-0.35
		For >50,000, Deduct	-0.40
32 01 11 53-0007	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	0.74
		For Up To 250, Add	0.37
		For >250 To 1,000, Add	0.19
		For >5,000 To 10,000, Deduct	-0.11
		For >10,000 To 25,000, Deduct	-0.19
		For >25,000 To 50,000, Deduct	-0.26
		For >50,000, Deduct	-0.30
32 01 11 53-0008	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	0.88
		For Up To 250, Add	0.44
		For >250 To 1,000, Add	0.22
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 25,000, Deduct	-0.22
		For >25,000 To 50,000, Deduct	-0.31
		For >50,000, Deduct	-0.35
32 01 11 53-0009	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	1.06
		For Up To 250, Add	0.53
		For >250 To 1,000, Add	0.27
		For >5,000 To 10,000, Deduct	-0.16
		For >10,000 To 25,000, Deduct	-0.27
		For >25,000 To 50,000, Deduct	-0.37
		For >50,000, Deduct	-0.42
32 01 11 53-0010	LF	Removal Of 12" Wide Thermoplastic Pavement Striping	1.27
		For Up To 250, Add	0.64
		For >250 To 1,000, Add	0.32
		For >5,000 To 10,000, Deduct	-0.19
		For >10,000 To 25,000, Deduct	-0.32
		For >25,000 To 50,000, Deduct	-0.44
		For >50,000, Deduct	-0.51
32 01 11 53-0011	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	1.27
		For Up To 250, Add	0.64
		For >250 To 1,000, Add	0.32
		For >5,000 To 10,000, Deduct	-0.19
		For >10,000 To 25,000, Deduct	-0.32
		For >25,000 To 50,000, Deduct	-0.44
		For >50,000, Deduct	-0.51

32 01 16 Flexible Paving Rehabilitation ^(32 01)

32 01 16 71 Cold Milling Asphalt Pavement ^(32 01 16)

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 16 Flexible Paving Rehabilitation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 16 71-0001	Removal Of Asphalt Surface Course (32 01 16 71) Note: Includes direct loading into truck.		
32 01 16 71-0002	Production Cold Milling Of Roads And Parking Areas (32 01 16 71-0001) Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0028 for hauling.		
32 01 16 71-0003	SY Up To 3" Depth, Production Cold Milling Of Asphalt.....	2.18	
	For Up To 2,500, Add	1.64	
	For >2,500 To 5,000, Add	0.55	
	For >10,000 To 25000, Deduct	-0.22	
	For >25,000, Deduct	-0.33	
32 01 16 71-0004	SY >3" To 6" Depth, Production Cold Milling Of Asphalt.....	2.90	
	For Up To 2,500, Add	2.18	
	For >2,500 To 5,000, Add	0.73	
	For >10,000 To 25000, Deduct	-0.29	
	For >25,000, Deduct	-0.44	
32 01 16 71-0005	SY >6" To 12" Depth, Production Cold Milling Of Asphalt.....	3.86	
	For Up To 2,500, Add	2.90	
	For >2,500 To 5,000, Add	0.97	
	For >10,000 To 25000, Deduct	-0.39	
	For >25,000, Deduct	-0.58	
32 01 16 71-0006	SY Production Cold Milling Of Concrete Per Inch.....	3.30	
32 01 16 71-0007	Limited Production Cold Milling (32 01 16 71-0001) Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0028 for hauling.		
32 01 16 71-0008	SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....	13.77	
	For >100 To 1,000, Deduct	-6.89	
	For >1,000, Deduct	-10.33	
32 01 16 71-0009	SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....	18.23	
	For >100 To 1,000, Deduct	-9.12	
	For >1,000, Deduct	-13.67	
32 01 16 71-0010	SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....	24.28	
	For >100 To 1,000, Deduct	-12.14	
	For >1,000, Deduct	-18.21	
32 01 16 71-0011	SY Limited Cold Milling Of Concrete Per Inch.....	20.70	
32 01 16 71-0012	Grind, Leave In-Place Asphalt Grindings (32 01 16 71) Note: For use as subbase material, includes spreading and rolling.		
32 01 16 71-0013	SY Grind, Leave In-Place As Subbase Course, 6-9" Depth.....	3.18	
32 01 16 72 Asphalt Paving Reuse (32 01 16)			
32 01 16 72-0001	Rejuvenate, Respread Asphalt Pavement (32 01 16 72) Note: Includes direct loading into truck.		
32 01 16 72-0002	SY Remove, Rejuvenate, Respread Asphalt Grindings, Up To 4" Deep.....	4.34	
32 01 16 72-0003	SY Remove, Rejuvenate, Respread Asphalt Grindings, >4" To 6" Deep.....	5.34	
32 01 16 72-0004	Reclamation, Pulverize And Blending With Existing (32 01 16 72) Note: Includes direct loading into truck.		
32 01 16 72-0005	SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.42	
32 01 16 72-0006	SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.71	
32 01 16 72-0007	SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	1.86	
32 01 16 72-0008	SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	1.76	
32 01 16 72-0009	SY >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.02	
32 01 16 72-0010	SY >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.09	
32 01 16 72-0011	SY >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.05	
32 01 16 72-0012	SY >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	1.90	
32 01 16 72-0013	SY >3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.90	
32 01 16 72-0014	SY >3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.45	
32 01 16 72-0015	SY >3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.23	
32 01 16 72-0016	SY >3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.05	
32 01 16 72-0017	SY >4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.71	
32 01 16 72-0018	SY >4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.85	
32 01 16 72-0019	SY >4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.43	
32 01 16 72-0020	SY >4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 16 72-0021 EA Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew..... 834.39

32 01 17 Flexible Paving Repair (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks In Asphalt Paving (32 01 17)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Asphalt Pavement Crack And Sealing Repair (32 01 17 61)

Note: Includes sweeping and cleaning of area.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.90
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.28
		For 1" x 1/2" Fill, Add	0.53
		For Backer Rod, Add	0.55
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.74
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.23
		For 1" x 1/2" Fill, Add	0.45
		For Backer Rod, Add	0.49
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.59
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.19
		For 1" x 1/2" Fill, Add	0.36
		For Backer Rod, Add	0.42
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.51
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.16
		For 1" x 1/2" Fill, Add	0.32
		For Backer Rod, Add	0.39
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.45
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.14
		For 1" x 1/2" Fill, Add	0.28
		For Backer Rod, Add	0.36
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.41
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.13
		For 1" x 1/2" Fill, Add	0.25
		For Backer Rod, Add	0.34
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.17
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	0.96
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	0.75
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	0.67
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	0.59
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	0.54
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.18

32 01 17 63 Pavement Repair (32 01 17)

32 01 17 63-0001 Temporary Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0028 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons.....	844.17
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified.....	261.76
		Note: Use for each ton over 3 tons.	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	783.77
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix.....	241.62
		Note: Use for each ton over 3 tons.	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	753.56
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified.....	231.56
		Note: Use for each ton over 3 tons.	
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	723.36
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix.....	221.49
		Note: Use for each ton over 3 tons.	

32 01 17 63-0010 Asphalt Placement For Small Repairs (32 01 17 63)

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, and compaction. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting, 32 12 00 00-0000 for areas requiring more than 100 tons, 32 12 16 00-0000 for areas requiring more than 100 tons.

32 01 17 63-0011	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons.....	1,140.81
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0012	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified.....	186.99
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0013	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons.....	1,080.41
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0014	TON	Asphalt Placement For Small Repair Areas, Cold Mix.....	166.85
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 17 Flexible Paving Repair**
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32 01 17 63-0015	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons.....	1,050.20
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0016	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified	156.79
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0017	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons	1,020.00
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0018	TON	Asphalt Placement For Small Repair Areas, Hot Mix.....	146.72
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	

32 01 26 Rigid Paving Rehabilitation (32 01)**32 01 26 71 Grooving Of Concrete Paving** (32 01 26)**32 01 26 71-0001 Roadway Grooving** (32 01 26 71)

32 01 26 71-0002	SY	Pavement Grooving, Concrete, Longitudinal	0.63
32 01 26 71-0003	SY	Pavement Grooving, Concrete, Transverse.....	0.46

32 01 26 71-0004 Rumble Strips (32 01 26 71)

32 01 26 71-0005	LF	Safe-Strips Shoulder Rumble Strips, Asphalt	0.13
32 01 26 71-0006	LF	Safe-Strips Shoulder Rumble Strips, Concrete.....	0.32

32 01 26 71-0007 Boat Ramps Grooving (32 01 26 71)

32 01 26 71-0008	SY	Concrete Grooving, Boat Ramps	1.00
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32 01 90 Operation And Maintenance Of Planting (32 01)

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 23 Pruning (32 01 90)**32 01 90 23-0001 Root Pruning** (32 01 90 23)

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

32 01 90 23-0002	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree.....	5.46
32 01 90 23-0003	EA	Root Pruning, One Side Of 2" Caliper Tree	6.82
32 01 90 23-0004	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree	8.19
32 01 90 23-0005	EA	Root Pruning, One Side Of 3" Caliper Tree	10.93
32 01 90 23-0006	EA	Root Pruning, One Side Of 4" Caliper Tree	16.38
32 01 90 23-0007	EA	Root Pruning, One Side Of 6" Caliper Tree	20.48
32 01 90 23-0008	EA	Root Pruning, One Side Of 9" Caliper Tree	28.67
32 01 90 23-0009	EA	Root Pruning, One Side Of 12" Caliper Tree	32.77
32 01 90 23-0010	EA	Root Pruning, One Side Of 18" Caliper Tree	38.22
32 01 90 23-0011	EA	Root Pruning, One Side Of 24" Caliper Tree	47.78
32 01 90 23-0012	EA	Root Pruning, One Side Of 30" Caliper Tree	58.70
32 01 90 23-0013	EA	Root Pruning, One Side Of 36" Caliper Tree	68.26
32 01 90 23-0014	EA	Root Pruning, One Side Of 48" Caliper Tree	81.92

32 01 90 26 Watering (32 01 90)

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001 Watering Lawns, Plants And Trees (32 01 90 26)

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	19.15
32 01 90 26-0003	CSF	Watering Groundcover.....	3.06
32 01 90 26-0004	CSF	Watering Annuals And Perennials	5.55
32 01 90 26-0005	EA	Watering Trees, 1" To 5" Diameter By Hand.....	5.53
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand.....	7.40
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand.....	9.36
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand.....	11.11
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	4.83

32 01 90 36 Weed And Brush Control (32 01 90)**32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied** (32 01 90 36)

32 01 90 36-0002	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	2.61
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32 10 Bases, Ballasts, And Paving (32)

Note: The cost of process quality control testing routinely performed by the Contractor is included in the unit prices for the individual tasks. Independent lab reports sent to Owner's PM.

32 11 Base Courses (32 10)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 11 16 Subbase Courses (32 11)

32 11 16 16 Aggregate Subbase Courses (32 11 16)

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas (32 11 16 16)

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0028 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY (32 11 16 16-0001)

32 11 16 16-0003	CY	Graded Crushed Aggregate Roadway Base Course	53.35
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32 11 16 16-0004 Base And Subbase Courses For Roadways And Parking Areas By The SY

32 11 16 16-0005	SY	2" Crushed Aggregate Base Course For Roadways And Parking Areas	2.98
		For Up To 500, Add	0.75
		For >500 To 1,000, Add	0.30
		For >5,000 To 10,000, Deduct	-0.11
		For >10000, Deduct	-0.19
32 11 16 16-0006	SY	4" Crushed Aggregate Base Course For Roadways And Parking Areas	5.46
		For Up To 500, Add	1.39
		For >500 To 1,000, Add	0.55
		For >5,000 To 10,000, Deduct	-0.21
		For >10000, Deduct	-0.35
32 11 16 16-0007	SY	6" Crushed Aggregate Base Course For Roadways And Parking Areas	8.69
		For Up To 500, Add	2.18
		For >500 To 1,000, Add	0.87
		For >5,000 To 10,000, Deduct	-0.33
		For >10000, Deduct	-0.56
32 11 16 16-0008	SY	9" Crushed Aggregate Base Course For Roadways And Parking Areas	12.53
		For Up To 500, Add	3.17
		For >500 To 1,000, Add	1.25
		For >5,000 To 10,000, Deduct	-0.48
		For >10000, Deduct	-0.81
32 11 16 16-0009	SY	12" Crushed Aggregate Base Course For Roadways And Parking Areas	17.74
		For Up To 500, Add	4.44
		For >500 To 1,000, Add	1.77
		For >5,000 To 10,000, Deduct	-0.67
		For >10000, Deduct	-1.15

32 11 16 16-0010 Recycled Crushed Concrete (32 11 16 16-0001)

32 11 16 16-0011	SY	6" Thick FDOT Recycled Crushed Concrete/ Graded Aggregate	11.84
		For Up To 500, Add	2.81
		For >500 To 1,000, Add	1.18
		For >5,000 To 10,000, Deduct	-0.45
		For >10000, Deduct	-0.77
32 11 16 16-0012	SY	7-1/2" Thick FDOT Recycled Crushed Concrete/ Graded Aggregate	14.80
		For Up To 500, Add	3.52
		For >500 To 1,000, Add	1.48
		For >5,000 To 10,000, Deduct	-0.56
		For >10000, Deduct	-0.96
32 11 16 16-0013	SY	11" Thick FDOT Recycled Crushed Concrete/ Graded Aggregate	21.70
		For Up To 500, Add	5.16
		For >500 To 1,000, Add	2.17
		For >5,000 To 10,000, Deduct	-0.82
		For >10000, Deduct	-1.41
32 11 16 16-0014	SY	12-1/2" Thick FDOT Recycled Crushed Concrete/ Graded Aggregate	24.66
		For Up To 500, Add	5.86
		For >500 To 1,000, Add	2.47
		For >5,000 To 10,000, Deduct	-0.94
		For >10000, Deduct	-1.60
32 11 16 16-0015	SY	14-1/2" Thick FDOT Recycled Crushed Concrete/ Graded Aggregate	28.60
		For Up To 500, Add	6.80
		For >500 To 1,000, Add	2.86
		For >5,000 To 10,000, Deduct	-1.09
		For >10000, Deduct	-1.86

32 11 23 Aggregate Base Courses (32 11)

32 11 23 16 Aggregate Base Courses (32 11 23)

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0028 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.45
		For Up To 1,000, Add	0.12
		For >1,000 To 2,500, Add	0.05
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	0.61
		For Up To 1,000, Add	0.17
		For >1,000 To 2,500, Add	0.06
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	0.77
		For Up To 1,000, Add	0.21
		For >1,000 To 2,500, Add	0.08
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.01
		For Up To 1,000, Add	0.27
		For >1,000 To 2,500, Add	0.10

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 11 Base Courses



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 23	16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	1.26	
			For Up To 1,000, Add	0.34	
			For >1,000 To 2,500, Add	0.13	
32 11 23	16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	1.44	
			For Up To 1,000, Add	0.39	
			For >1,000 To 2,500, Add	0.14	
32 11 23	16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	1.63	
			For Up To 1,000, Add	0.44	
			For >1,000 To 2,500, Add	0.16	
32 11 26 Asphaltic Base Courses (32 11)					
32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)					
32 11 26	19-0001		Bituminous-Stabilized Base Courses (32 11 26 19)		
32 11 26	19-0002	CY	Bituminous Stabilized Base Course	77.10	
			Note: 3/4" ASTM C33.		
32 11 29 Lime Treated Base Courses (32 11)					
32 11 29 13 Lime-Fly Ash-Treated Base Courses (32 11 29)					
32 11 29 13-0001 Limerock (32 11 29 13)					
			Note: Includes prime coat.		
32 11 29	13-0002	SY	6" Thick FDOT Limerock	26.02	
			For Up To 500, Add	5.65	
			For >500 To 1,000, Add	2.60	
			For >5,000 To 10,000, Deduct	-0.99	
			For >10000, Deduct	-1.69	
32 11 29	13-0003	SY	8" Thick FDOT Limerock	18.21	
			For Up To 500, Add	4.24	
			For >500 To 1,000, Add	1.82	
			For >5,000 To 10,000, Deduct	-0.69	
			For >10000, Deduct	-1.18	
32 11 29	13-0004	SY	9" Thick FDOT Limerock	38.64	
			For Up To 500, Add	8.40	
			For >500 To 1,000, Add	3.86	
			For >5,000 To 10,000, Deduct	-1.47	
			For >10000, Deduct	-2.51	
32 11 29	13-0005	SY	10-1/2" Thick FDOT Limerock	44.95	
			For Up To 500, Add	9.77	
			For >500 To 1,000, Add	4.50	
			For >5,000 To 10,000, Deduct	-1.71	
			For >10000, Deduct	-2.92	
32 11 29	13-0006	SY	12" Thick FDOT Limerock	51.27	
			For Up To 500, Add	11.15	
			For >500 To 1,000, Add	5.13	
			For >5,000 To 10,000, Deduct	-1.95	
			For >10000, Deduct	-3.33	
32 11 33 Cement-Treated Base Courses (32 11)					
32 11 33 13 Portland Cement-Stabilized Base Courses (32 11 33)					
32 11 33 13-0001 Soil Cement (32 11 33 13)					
32 11 33	13-0002	SY	6" Thick FDOT Soil Cement	5.99	
			For Up To 500, Add	1.64	
			For >500 To 1,000, Add	0.60	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10000, Deduct	-0.39	
32 12 Flexible Paving (32 10)					
32 12 13 Preparatory Coats (32 12)					
32 12 13 13 Tack Coats (32 12 13)					
32 12 13	13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.29	
			For Up To 150, Add	0.06	
			For >150 To 300, Add	0.03	
			For >300 To 500, Add	0.01	
			For >3,500 To 5,000, Deduct	-0.01	
			For >5,000, Deduct	-0.02	
32 12 13	13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.33	
			For Up To 150, Add	0.07	
			For >150 To 300, Add	0.03	
			For >300 To 500, Add	0.02	
			For >3,500 To 5,000, Deduct	-0.01	
			For >5,000, Deduct	-0.02	
32 12 13	13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.40	
			For Up To 150, Add	0.09	
			For >150 To 300, Add	0.04	
			For >300 To 500, Add	0.02	
			For >3,500 To 5,000, Deduct	-0.01	
			For >5,000, Deduct	-0.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 13-0004 SY Tack Coat, 0.08 Gallon/SY	0.43	
For Up To 150, Add	0.09	
For >150 To 300, Add	0.04	
For >300 To 500, Add	0.02	
For >3,500 To 5,000, Deduct	-0.01	
For >5,000, Deduct	-0.03	
32 12 13 13-0005 SY Tack Coat, 0.10 Gallon/SY	0.51	
For Up To 150, Add	0.11	
For >150 To 300, Add	0.05	
For >300 To 500, Add	0.03	
For >3,500 To 5,000, Deduct	-0.01	
For >5,000, Deduct	-0.03	
32 12 13 13-0006 SY Tack Coat, 0.11 Gallon/SY	0.54	
For Up To 150, Add	0.12	
For >150 To 300, Add	0.05	
For >300 To 500, Add	0.03	
For >3,500 To 5,000, Deduct	-0.01	
For >5,000, Deduct	-0.04	
32 12 13 19 Prime Coats (32 12 13)		
32 12 13 19-0001 SY Surface Prime Coat, 0.26 Gallon/SY	0.93	
For Up To 150, Add	0.21	
For >150 To 300, Add	0.09	
For >300 To 500, Add	0.05	
For >3,500 To 5,000, Deduct	-0.02	
For >5,000, Deduct	-0.07	
32 12 13 19-0002 SY Surface Prime Coat, 0.28 Gallon/SY	0.99	
For Up To 150, Add	0.23	
For >150 To 300, Add	0.10	
For >300 To 500, Add	0.05	
For >3,500 To 5,000, Deduct	-0.02	
For >5,000, Deduct	-0.07	
32 12 13 19-0003 SY Surface Prime Coat, 0.30 Gallon/SY	1.05	
For Up To 150, Add	0.24	
For >150 To 300, Add	0.11	
For >300 To 500, Add	0.05	
For >3,500 To 5,000, Deduct	-0.03	
For >5,000, Deduct	-0.07	
32 12 16 Asphalt Paving (32 12)		
32 12 16 13 Plant-Mix Asphalt Paving (32 12 16)		
Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. See CSI section 01 74 19 00-0028 for hauling greater than 15 miles.		
32 12 16 13-0001 Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)		
32 12 16 13-0002 TON Hand Placed Hot Mixed Asphalt 3,954 LB/CY	189.55	
Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
32 12 16 13-0003 FDOT Asphaltic Concrete Pavement (32 12 16 13)		
32 12 16 13-0004 FDOT Base Course (32 12 16 13-0003)		
32 12 16 13-0005 TON Base Course, PC-I	140.13	
For >250 To 375, Deduct	-7.01	
For >375 To 500, Deduct	-10.51	
For >500 To 1000, Deduct	-14.01	
For >1000, Deduct	-17.52	
32 12 16 13-0006 TON Base Course, PC-III	140.13	
For >250 To 375, Deduct	-7.01	
For >375 To 500, Deduct	-10.51	
For >500 To 1000, Deduct	-14.01	
For >1000, Deduct	-17.52	
32 12 16 13-0007 TON Base Course, S-I And S-III	126.53	
For >250 To 375, Deduct	-6.33	
For >375 To 500, Deduct	-9.49	
For >500 To 1000, Deduct	-12.65	
For >1000, Deduct	-15.82	
32 12 16 13-0008 SY 1" Thick Base Course, S-I And S-III	6.78	
For >5000 To 7500, Deduct	-0.34	
For >7500 To 10000, Deduct	-0.51	
For >10000 To 20000, Deduct	-0.68	
For >20000, Deduct	-0.85	
32 12 16 13-0009 SY 1-1/4" Thick Base Course, S-I And S-III	8.51	
For >5000 To 7500, Deduct	-0.43	
For >7500 To 10000, Deduct	-0.64	
For >10000 To 20000, Deduct	-0.85	
For >20000, Deduct	-1.06	
32 12 16 13-0010 SY 1-1/2" Thick Base Course, S-I And S-III	10.18	
For >5000 To 7500, Deduct	-0.51	
For >7500 To 10000, Deduct	-0.76	
For >10000 To 20000, Deduct	-1.02	
For >20000, Deduct	-1.27	
32 12 16 13-0011 SY 2" Thick Base Course, S-I And S-III	13.57	
For >5000 To 7500, Deduct	-0.68	
For >7500 To 10000, Deduct	-1.02	
For >10000 To 20000, Deduct	-1.36	
For >20000, Deduct	-1.70	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 12 Flexible Paving**

City of Miami

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0012 SY 2-1/2" Thick Base Course, S-III.....	16.96	
For >5000 To 7500, Deduct	-0.85	
For >7500 To 10000, Deduct	-1.27	
For >10000 To 20000, Deduct	-1.70	
For >20000, Deduct	-2.12	
32 12 16 13-0013 SY 3" Thick Base Course, S-III.....	20.35	
For >5000 To 7500, Deduct	-1.02	
For >7500 To 10000, Deduct	-1.53	
For >10000 To 20000, Deduct	-2.04	
For >20000, Deduct	-2.54	
32 12 16 13-0014 SY 3-1/2" Thick Base Course, S-III.....	23.75	
For >5000 To 7500, Deduct	-1.19	
For >7500 To 10000, Deduct	-1.78	
For >10000 To 20000, Deduct	-2.38	
For >20000, Deduct	-2.97	
32 12 16 13-0015 SY 4" Thick Base Course, S-III.....	27.14	
For >5000 To 7500, Deduct	-1.36	
For >7500 To 10000, Deduct	-2.04	
For >10000 To 20000, Deduct	-2.71	
For >20000, Deduct	-3.39	
32 12 16 13-0016 FDOT Leveling Course <small>(32 12 16 13-0003)</small>		
32 12 16 13-0017 TON Leveling Course, PC-I.....	148.42	
For >250 To 375, Deduct	-7.42	
For >375 To 500, Deduct	-11.13	
For >500 To 1000, Deduct	-14.84	
For >1000, Deduct	-18.55	
32 12 16 13-0018 TON Leveling Course, PC-III.....	148.42	
For >250 To 375, Deduct	-7.42	
For >375 To 500, Deduct	-11.13	
For >500 To 1000, Deduct	-14.84	
For >1000, Deduct	-18.55	
32 12 16 13-0019 TON Leveling Course, S-I And S-III.....	131.50	
For >250 To 375, Deduct	-6.58	
For >375 To 500, Deduct	-9.86	
For >500 To 1000, Deduct	-13.15	
For >1000, Deduct	-16.44	
32 12 16 13-0020 SY 1" Thick Leveling Course, S-I And S-III.....	7.06	
For >5000 To 7500, Deduct	-0.35	
For >7500 To 10000, Deduct	-0.53	
For >10000 To 20000, Deduct	-0.71	
For >20000, Deduct	-0.88	
32 12 16 13-0021 SY 1-1/4" Thick Leveling Course, S-I And S-III.....	8.86	
For >5000 To 7500, Deduct	-0.44	
For >7500 To 10000, Deduct	-0.66	
For >10000 To 20000, Deduct	-0.89	
For >20000, Deduct	-1.11	
32 12 16 13-0022 SY 1-1/2" Thick Leveling Course, S-I And S-III.....	10.58	
For >5000 To 7500, Deduct	-0.53	
For >7500 To 10000, Deduct	-0.79	
For >10000 To 20000, Deduct	-1.06	
For >20000, Deduct	-1.32	
32 12 16 13-0023 SY 2" Thick Leveling Course, S-I And S-III.....	14.10	
For >5000 To 7500, Deduct	-0.71	
For >7500 To 10000, Deduct	-1.06	
For >10000 To 20000, Deduct	-1.41	
For >20000, Deduct	-1.76	
32 12 16 13-0024 SY 2-1/2" Thick Leveling Course, S-III.....	17.63	
For >5000 To 7500, Deduct	-0.88	
For >7500 To 10000, Deduct	-1.32	
For >10000 To 20000, Deduct	-1.76	
For >20000, Deduct	-2.20	
32 12 16 13-0025 SY 3" Thick Leveling Course, S-III.....	21.16	
For >5000 To 7500, Deduct	-1.06	
For >7500 To 10000, Deduct	-1.59	
For >10000 To 20000, Deduct	-2.12	
For >20000, Deduct	-2.65	
32 12 16 13-0026 SY 3-1/2" Thick Leveling Course, S-III.....	24.68	
For >5000 To 7500, Deduct	-1.23	
For >7500 To 10000, Deduct	-1.85	
For >10000 To 20000, Deduct	-2.47	
For >20000, Deduct	-3.09	
32 12 16 13-0027 SY 4" Thick Leveling Course, S-III.....	28.21	
For >5000 To 7500, Deduct	-1.41	
For >7500 To 10000, Deduct	-2.12	
For >10000 To 20000, Deduct	-2.82	
For >20000, Deduct	-3.53	
32 12 16 13-0028 FDOT Traffic C <small>(32 12 16 13-0003)</small>		
32 12 16 13-0029 TON Traffic C, PC-I.....	140.13	
For >250 To 375, Deduct	-7.01	
For >375 To 500, Deduct	-10.51	
For >500 To 1000, Deduct	-14.01	
For >1000, Deduct	-17.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0030 TON Traffic C, PC-III.....	140.13	
For >250 To 375, Deduct	-7.01	
For >375 To 500, Deduct	-10.51	
For >500 To 1000, Deduct	-14.01	
For >1000, Deduct	-17.52	
32 12 16 13-0031 TON Traffic C, S-I And S-III.....	126.53	
For >250 To 375, Deduct	-6.33	
For >375 To 500, Deduct	-9.49	
For >500 To 1000, Deduct	-12.65	
For >1000, Deduct	-15.82	
32 12 16 13-0032 SY 3/4" Thick Traffic C, S-I And S-III.....	5.60	
For >5000 To 7500, Deduct	-0.28	
For >7500 To 10000, Deduct	-0.42	
For >10000 To 20000, Deduct	-0.56	
For >20000, Deduct	-0.70	
32 12 16 13-0033 SY 1" Thick Traffic C, S-I And S-III.....	6.78	
For >5000 To 7500, Deduct	-0.34	
For >7500 To 10000, Deduct	-0.51	
For >10000 To 20000, Deduct	-0.68	
For >20000, Deduct	-0.85	
32 12 16 13-0034 SY 1-1/4" Thick Traffic C, S-I And S-III.....	8.51	
For >5000 To 7500, Deduct	-0.43	
For >7500 To 10000, Deduct	-0.64	
For >10000 To 20000, Deduct	-0.85	
For >20000, Deduct	-1.06	
32 12 16 13-0035 SY 1-1/2" Thick Traffic C, S-I And S-III.....	10.18	
For >5000 To 7500, Deduct	-0.51	
For >7500 To 10000, Deduct	-0.76	
For >10000 To 20000, Deduct	-1.02	
For >20000, Deduct	-1.27	
32 12 16 13-0036 SY 2" Thick Traffic C, S-I And S-III.....	13.57	
For >5000 To 7500, Deduct	-0.68	
For >7500 To 10000, Deduct	-1.02	
For >10000 To 20000, Deduct	-1.36	
For >20000, Deduct	-1.70	
32 12 16 13-0037 SY 2-1/2" Thick Traffic C, S-III.....	16.96	
For >5000 To 7500, Deduct	-0.85	
For >7500 To 10000, Deduct	-1.27	
For >10000 To 20000, Deduct	-1.70	
For >20000, Deduct	-2.12	
32 12 16 13-0038 SY 3" Thick Traffic C, S-III.....	20.35	
For >5000 To 7500, Deduct	-1.02	
For >7500 To 10000, Deduct	-1.53	
For >10000 To 20000, Deduct	-2.04	
For >20000, Deduct	-2.54	
32 12 16 13-0039 SY 3-1/2" Thick Traffic C, S-III.....	23.75	
For >5000 To 7500, Deduct	-1.19	
For >7500 To 10000, Deduct	-1.78	
For >10000 To 20000, Deduct	-2.38	
For >20000, Deduct	-2.97	
32 12 16 13-0040 SY 4" Thick Traffic C, S-III.....	27.14	
For >5000 To 7500, Deduct	-1.36	
For >7500 To 10000, Deduct	-2.04	
For >10000 To 20000, Deduct	-2.71	
For >20000, Deduct	-3.39	
32 12 16 13-0041 FDOT Friction Course (32 12 16 13-0003)		
32 12 16 13-0042 TON Friction Course With Rubber, FC-2.....	187.10	
For >250 To 375, Deduct	-9.36	
For >375 To 500, Deduct	-14.03	
For >500 To 1000, Deduct	-18.71	
For >1000, Deduct	-23.39	
32 12 16 13-0043 TON Friction Course Without Rubber, FC-2.....	159.02	
For >250 To 375, Deduct	-7.95	
For >375 To 500, Deduct	-11.93	
For >500 To 1000, Deduct	-15.90	
For >1000, Deduct	-19.88	
32 12 16 13-0044 TON Friction Course With Rubber, FC-3.....	168.38	
For >250 To 375, Deduct	-8.42	
For >375 To 500, Deduct	-12.63	
For >500 To 1000, Deduct	-16.84	
For >1000, Deduct	-21.05	
32 12 16 13-0045 TON Friction Course Without Rubber, FC-3.....	140.32	
For >250 To 375, Deduct	-7.02	
For >375 To 500, Deduct	-10.52	
For >500 To 1000, Deduct	-14.03	
For >1000, Deduct	-17.54	
32 12 16 13-0046 TON Friction Course With Rubber, FC-5.....	233.86	
For >250 To 375, Deduct	-11.69	
For >375 To 500, Deduct	-17.54	
For >500 To 1000, Deduct	-23.39	
For >1000, Deduct	-29.23	
32 12 16 13-0047 TON Friction Course Without Rubber, FC-5.....	187.09	
For >250 To 375, Deduct	-9.35	
For >375 To 500, Deduct	-14.03	
For >500 To 1000, Deduct	-18.71	
For >1000, Deduct	-23.39	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 12 Flexible Paving**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 12 16 13-0048	TON Friction Course With Rubber, FC-6, 9.5.....	205.80	
	For >250 To 375, Deduct	-10.29	
	For >375 To 500, Deduct	-15.44	
	For >500 To 1000, Deduct	-20.58	
	For >1000, Deduct	-25.73	
32 12 16 13-0049	TON Friction Course Without Rubber, FC-6, 9.5.....	168.38	
	For >250 To 375, Deduct	-8.42	
	For >375 To 500, Deduct	-12.63	
	For >500 To 1000, Deduct	-16.84	
	For >1000, Deduct	-21.05	
32 12 16 13-0050	TON Friction Course With Rubber, FC-6, 12.5.....	215.15	
	For >250 To 375, Deduct	-10.76	
	For >375 To 500, Deduct	-16.14	
	For >500 To 1000, Deduct	-21.52	
	For >1000, Deduct	-26.89	
32 12 16 13-0051	TON Friction Course Without Rubber, FC-6, 12.5.....	177.74	
	For >250 To 375, Deduct	-8.89	
	For >375 To 500, Deduct	-13.33	
	For >500 To 1000, Deduct	-17.77	
	For >1000, Deduct	-22.22	
32 12 16 13-0052	FDOT Superpave Asphaltic Concrete Pavement (32 12 16 13)		
32 12 16 13-0053	TON Superpave Base Course, SP-9.5.....	133.10	
	For >250 To 375, Deduct	-6.66	
	For >375 To 500, Deduct	-9.98	
	For >500 To 1000, Deduct	-13.31	
	For >1000, Deduct	-16.64	
32 12 16 13-0054	TON Superpave Leveling Course, SP-9.5.....	141.39	
	For >250 To 375, Deduct	-7.07	
	For >375 To 500, Deduct	-10.60	
	For >500 To 1000, Deduct	-14.14	
	For >1000, Deduct	-17.67	
32 12 16 13-0055	TON Superpave Traffic C, SP-9.5.....	133.10	
	For >250 To 375, Deduct	-6.66	
	For >375 To 500, Deduct	-9.98	
	For >500 To 1000, Deduct	-13.31	
	For >1000, Deduct	-16.64	
32 12 16 13-0056	TON Superpave Base Course, SP-12.5.....	133.10	
	For >250 To 375, Deduct	-6.66	
	For >375 To 500, Deduct	-9.98	
	For >500 To 1000, Deduct	-13.31	
	For >1000, Deduct	-16.64	
32 12 16 13-0057	TON Superpave Leveling Course, SP-12.5.....	141.39	
	For >250 To 375, Deduct	-7.07	
	For >375 To 500, Deduct	-10.60	
	For >500 To 1000, Deduct	-14.14	
	For >1000, Deduct	-17.67	
32 12 16 13-0058	TON Superpave Traffic C, SP-12.5.....	133.10	
	For >250 To 375, Deduct	-6.66	
	For >375 To 500, Deduct	-9.98	
	For >500 To 1000, Deduct	-13.31	
	For >1000, Deduct	-16.64	
32 12 16 13-0059	SY 1-1/4" Thick Superpave Base Course, SP-9.5.....	8.92	
	For >5000 To 7500, Deduct	-0.45	
	For >7500 To 10000, Deduct	-0.67	
	For >10000 To 20000, Deduct	-0.89	
	For >20000, Deduct	-1.12	
32 12 16 13-0060	SY 1-1/2" Thick Superpave Base Course, SP-9.5.....	10.70	
	For >5000 To 7500, Deduct	-0.54	
	For >7500 To 10000, Deduct	-0.80	
	For >10000 To 20000, Deduct	-1.07	
	For >20000, Deduct	-1.34	
32 12 16 13-0061	SY 2" Thick Superpave Base Course, SP-9.5.....	14.28	
	For >5000 To 7500, Deduct	-0.71	
	For >7500 To 10000, Deduct	-1.07	
	For >10000 To 20000, Deduct	-1.43	
	For >20000, Deduct	-1.79	
32 12 16 13-0062	SY 1-1/4" Thick Superpave Leveling Course, SP-9.5.....	9.48	
	For >5000 To 7500, Deduct	-0.47	
	For >7500 To 10000, Deduct	-0.71	
	For >10000 To 20000, Deduct	-0.95	
	For >20000, Deduct	-1.19	
32 12 16 13-0063	SY 1-1/2" Thick Superpave Leveling Course, SP-9.5.....	11.36	
	For >5000 To 7500, Deduct	-0.57	
	For >7500 To 10000, Deduct	-0.85	
	For >10000 To 20000, Deduct	-1.14	
	For >20000, Deduct	-1.42	
32 12 16 13-0064	SY 2" Thick Superpave Leveling Course, SP-9.5.....	15.17	
	For >5000 To 7500, Deduct	-0.76	
	For >7500 To 10000, Deduct	-1.14	
	For >10000 To 20000, Deduct	-1.52	
	For >20000, Deduct	-1.90	
32 12 16 13-0065	SY 1-1/4" Thick Superpave Traffic C, SP-9.5.....	8.92	
	For >5000 To 7500, Deduct	-0.45	
	For >7500 To 10000, Deduct	-0.67	
	For >10000 To 20000, Deduct	-0.89	
	For >20000, Deduct	-1.12	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like '1-1/2" Thick Superpave Traffic C, SP-9.5' and '2" Thick Superpave Traffic C, SP-9.5' with associated costs.

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 12 Flexible Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0084	SY		3-1/2" Thick Superpave Traffic C, SP-12.5	24.98	
			<i>For >5000 To 7500, Deduct</i>	-1.25	
			<i>For >7500 To 10000, Deduct</i>	-1.87	
			<i>For >10000 To 20000, Deduct</i>	-2.50	
			<i>For >20000, Deduct</i>	-3.12	
32 12 16 13-0085	SY		4" Thick Superpave Traffic C, SP-12.5	28.55	
			<i>For >5000 To 7500, Deduct</i>	-1.43	
			<i>For >7500 To 10000, Deduct</i>	-2.14	
			<i>For >10000 To 20000, Deduct</i>	-2.86	
			<i>For >20000, Deduct</i>	-3.57	
32 12 16 13-0086			FDOT Ditch Pavement <small>(32 12 16 13)</small>		
32 12 16 13-0087	SY		4" Concrete Ditch Pavement	26.76	
32 12 16 13-0088	SY		4" Asphalt Ditch Pavement	29.60	
32 12 16 13-0089	SY		4" Soil-Cement Ditch Pavement	3.71	
32 12 16 13-0090	SY		4" Rip-Rap Ditch Pavement	6.84	
32 12 16 13-0091			City Of Miami Bituminous Paving <small>(32 12 16 13)</small>		
32 12 16 13-0092	SY		City Of Miami Reconstruction Of Roadways, Shaping And Compacting 6" Subbase, Import, Placement And Compaction Of 8" Of Limerock LBR 100, 1" Base Course S-I, 3/4" Surface Course S-III	33.22	
			Note: Includes all tack coats. Excludes demolition and hauling spoils.		
			<i>For Additional 1/2" Of Surface Course, Add</i>	2.91	
32 12 16 13-0093	SY		City Of Miami Reconstruction Of Roadways, Shaping And Compacting 6" Subbase, Import, Placement And Compaction Of 8" Of Limerock LBR 100, 1-1/4" Base Course S-I, 3/4" Surface Course S-III	34.95	
			Note: Includes all tack coats. Excludes demolition and hauling spoils.		
			<i>For Additional 1/2" Of Surface Course, Add</i>	2.91	
32 12 16 13-0094	SY		City Of Miami 8" Thick Limerock LBR 100, Includes Import, Spreading, Shaping And Compaction	18.21	
32 12 16 13-0095	LF		City Of Miami Backfill And Permanent Pavement Standards For Trenches 6" Or Less In Width In The Public Right Of Way	4.81	
			Note: Includes sawcutting, asphalt removal, excavation, 12" of compacted lime rock in three lifts, and 1-1/2" S-1 asphalt (Misc. Detail 35-88-8, Sheet 1-1). Excludes hauling.		
32 12 16 13-0096	LF		City Of Miami Backfill And Permanent Pavement Standards For Trenches > 6" To 12" In Width In The Public Right Of Way	6.73	
			Note: Includes sawcutting, asphalt removal, excavation, 12" of compacted lime rock in three lifts, and 1-1/2" S-1 asphalt (Misc. Detail 35-88-7, Sheet 1-1). Excludes hauling.		
32 12 16 13-0097			Pervious Bituminous Paving <small>(32 12 16 13)</small>		
32 12 16 13-0098	TON		Pervious Asphalt, 3/4" Minimum Thickness	150.91	
			<i>For >250 To 375, Deduct</i>	-7.55	
			<i>For >375 To 500, Deduct</i>	-11.32	
			<i>For >500 To 1000, Deduct</i>	-15.09	
			<i>For >1000, Deduct</i>	-18.86	
32 12 16 19			Cold-Mix Asphalt Paving <small>(32 12 16)</small>		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0001			Cold Mix Asphalt (CMA) Pavement <small>(32 12 16 19)</small>		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002	SY		Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	8.99	
32 12 16 19-0003	SY		Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	8.84	
32 12 16 19-0004	SY		Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	15.80	
32 12 16 39			Fabrics <small>(32 12 16)</small>		
			See CSI section 31 32 19 16-0000 for geotextile fabric.		
32 12 16 39-0001	SY		3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	0.81	
			<i>For Up To 50, Add</i>	0.17	
			<i>For >50 To 150, Add</i>	0.13	
			<i>For >150 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.04	
32 12 16 39-0002	SY		4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	0.87	
			<i>For Up To 50, Add</i>	0.19	
			<i>For >50 To 150, Add</i>	0.14	
			<i>For >150 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.05	
32 12 16 43			Waterproofing Membranes <small>(32 12 16)</small>		
32 12 16 43-0001			Waterproofing Membranes <small>(32 12 16 43)</small>		
32 12 16 43-0002	SY		Up To 500 SY, Preformed Rubberized Asphalt Membrane	20.27	
32 12 16 43-0003	SY		>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	15.69	
32 12 16 43-0004	SY		>1,000 SY, Preformed Rubberized Asphalt Membrane	10.55	
32 12 36			Seal Coats <small>(32 12)</small>		
32 12 36 00-0001			Asphalt Seal Coating, For Roads And Parking Lot <small>(32 12 36)</small>		
			Note: Includes sweeping and cleaning of area.		
32 12 36 00-0002	SY		Asphalt Seal Coating Minimum	241.02	
			Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
32 12 36 00-0003	SY		Up To 500 SY, Type II Slurry Seal Asphalt Coating	3.65	
			Note: 1/4" thick, 14 to 18 Lbs/SY.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0004	SY		>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	3.02	
32 12 36 00-0005	SY		>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	2.37	
32 12 36 00-0006	SY		>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	1.94	
32 12 36 00-0007	SY		>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY.	1.64	
32 12 36 00-0008	SY		Up To 500 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	4.22	
32 12 36 00-0009	SY		>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	3.56	
32 12 36 00-0010	SY		>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	2.75	
32 12 36 00-0011	SY		>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	2.26	
32 12 36 00-0012	SY		>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY.	1.91	
32 12 36 00-0013	SY		Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	3.46	
32 12 36 00-0014	SY		>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.96	
32 12 36 00-0015	SY		>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.33	
32 12 36 00-0016	SY		>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	1.94	
32 12 36 00-0017	SY		>20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	1.64	
32 12 36 00-0018	SY		Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	4.03	
32 12 36 00-0019	SY		>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	3.53	
32 12 36 00-0020	SY		>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	2.82	
32 12 36 00-0021	SY		>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	2.37	
32 12 36 00-0022	SY		>20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	2.03	
32 12 36 00-0023			Water Based Emulsion Sealer <small>(32 12 36)</small> Note: Includes sweeping and cleaning of area.		
32 12 36 00-0024	SY		Up To 500 SY Water Based Emulsion Sealer, For Asphalt, First Coat	2.58	
			<i>For Additional Coats, Add</i>	<i>1.45</i>	
32 12 36 00-0025	SY		>500 To 1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat	2.06	
			<i>For Additional Coats, Add</i>	<i>1.16</i>	
32 12 36 00-0026	SY		>1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat	1.55	
			<i>For Additional Coats, Add</i>	<i>0.87</i>	
32 12 36 00-0027			Sand Sealer <small>(32 12 36)</small> Note: To be added to Slurry Seal.		
32 12 36 00-0028	SY		Up To 200 SY Sand Seal Spray Applied Asphalt Emulsion	1.66	
32 12 36 00-0029	SY		>200 To 500 SY Sand Seal Spray Applied Asphalt Emulsion	1.31	
32 12 36 00-0030	SY		>500 To 1,100 SY Sand Seal Spray Applied Asphalt Emulsion	1.20	
32 12 36 00-0031	SY		>1,100 To 4,400 SY Sand Seal Spray Applied Asphalt Emulsion	0.97	
32 12 36 00-0032	SY		>4,400 To 7,800 SY Sand Seal Spray Applied Asphalt Emulsion	0.91	
32 12 36 00-0033	SY		>7,800 To 16,700 SY Sand Seal Spray Applied Asphalt Emulsion	0.85	
32 12 36 00-0034	SY		>16,700 SY Sand Seal Spray Applied Asphalt Emulsion	0.80	
32 12 36 00-0035			Fog Sealer <small>(32 12 36)</small>		
32 12 36 00-0036	SY		Up To 200 SY Fog Seal, SS-1H	1.37	
32 12 36 00-0037	SY		>200 To 500 SY Fog Seal, SS-1H	1.01	
32 12 36 00-0038	SY		>500 To 1,100 SY Fog Seal, SS-1	0.91	
32 12 36 00-0039	SY		>1,100 To 4,400 SY Fog Seal, SS-1H	0.68	
32 12 36 00-0040	SY		>4,400 To 7,800 SY Fog Seal, SS-1H	0.62	
32 12 36 00-0041	SY		>7,800 To 16,700 SY Fog Seal, SS-1H	0.56	
32 12 36 00-0042	SY		>16,700 SY Fog Seal, SS-1H	0.51	
32 12 36 00-0043			Asphalt Emulsion Sealers (Chip Seal) <small>(32 12 36)</small>		
32 12 36 00-0044			Fine Screenings Seal Coat <small>(32 12 36 00-0043)</small> Note: 12 to 20 # Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0045	SY		Up To 200 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.21	
32 12 36 00-0046	SY		>200 To 500 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.79	
32 12 36 00-0047	SY		>500 To 1,100 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.65	
32 12 36 00-0048	SY		>1,100 To 4,400 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.41	
32 12 36 00-0049	SY		>4,400 To 7,800 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.33	
32 12 36 00-0050	SY		>7,800 To 16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.26	
32 12 36 00-0051	SY		>16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.20	
32 12 36 00-0052			Medium Fine Screenings Seal Coat <small>(32 12 36 00-0043)</small> Note: 16 to 25 # Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 00-0053	SY		Up To 200 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.58	
32 12 36 00-0054	SY		>200 To 500 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.12	
32 12 36 00-0055	SY		>500 To 1,100 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.96	
32 12 36 00-0056	SY		>1,100 To 4,400 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.71	
32 12 36 00-0057	SY		>4,400 To 7,800 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.62	
32 12 36 00-0058	SY		>7,800 To 16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.54	
32 12 36 00-0059	SY		>16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.47	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 12 Flexible Paving



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 12 36 00-0060	Medium Screenings Seal Coat <small>(32 12 36 00-0043)</small>	
	Note: 20 to 30 # Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 00-0061	SY Up To 200 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.70
32 12 36 00-0062	SY >200 To 500 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.22
32 12 36 00-0063	SY >500 To 1,100 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.06
32 12 36 00-0064	SY >1,100 To 4,400 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.81
32 12 36 00-0065	SY >4,400 To 7,800 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.71
32 12 36 00-0066	SY >7,800 To 16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.63
32 12 36 00-0067	SY >16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.56

32 12 36 00-0068	Course Screenings Seal Coat <small>(32 12 36 00-0043)</small>	
	Note: 23 to 30 # Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.	
32 12 36 00-0069	SY Up To 200 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.78
32 12 36 00-0070	SY >200 To 500 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.29
32 12 36 00-0071	SY >500 To 1,100 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.13
32 12 36 00-0072	SY >1,100 To 4,400 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.87
32 12 36 00-0073	SY >4,400 To 7,800 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.77
32 12 36 00-0074	SY >7,800 To 16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.68
32 12 36 00-0075	SY >16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.61

32 12 36 00-0076	Double Screenings Seal Coat <small>(32 12 36 00-0043)</small>	
	Note: First coat 23 to 30 # Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 # Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.	
32 12 36 00-0077	SY Up To 200 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	4.31
32 12 36 00-0078	SY >200 To 500 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.57
32 12 36 00-0079	SY >500 To 1,100 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.31
32 12 36 00-0080	SY >1,100 To 4,400 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.94
32 12 36 00-0081	SY >4,400 To 7,800 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.79
32 12 36 00-0082	SY >7,800 To 16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.67
32 12 36 00-0083	SY >16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.55

32 12 36 00-0084	Seal Coat With Sand And Latex <small>(32 12 36)</small>	
32 12 36 00-0085	SY Up To 250 SY Seal Coat With Sand And Latex Added (One Coat).....	3.44
32 12 36 00-0086	SY >250 To 500 SY Seal Coat With Sand And Latex Added (One Coat).....	2.84
32 12 36 00-0087	SY >500 To 1,000 SY Seal Coat With Sand And Latex Added (One Coat).....	2.24
32 12 36 00-0088	SY >1,000 To 2,500 SF Seal Coat With Sand And Latex Added (One Coat).....	1.65
32 12 36 00-0089	SY >2,500 To 5,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.28
32 12 36 00-0090	SY >5,000 To 10,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.17
32 12 36 00-0091	SY >10,000 To 20,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.08
32 12 36 00-0092	SY >20,000 To 40,000 SY Seal Coat With Sand And Latex Added (One Coat).....	0.96
32 12 36 00-0093	SY >40,000 SY Seal Coat With Sand And Latex Added (One Coat).....	0.84

32 12 43 Porous Flexible Paving (32 12)

32 12 43 00-0001	Flexible Recycled Plastic Porous Grid <small>(32 12 43)</small>	
	Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.	
32 12 43 00-0002	SY 1" Thick, Recycled Plastic Flexible Pavement With Sand Fill.....	18.31
	Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc., Grasspave2.	
	For Up To 100, Add	5.63
	For >100 To 500, Add	1.34
	For >1,000 To 5,000, Deduct	-0.42
	For >5,000, Deduct	-1.05

32 12 73 Asphalt Paving Joint Sealants (32 12)

32 12 73 00-0001	Expansion Joint In Sidewalk <small>(32 12 73)</small>	
32 12 73 00-0002	LF For Hot Asphalt Poured Over Expansion Joint In Sidewalk.....	2.04

32 13 Rigid Paving (32 10)

32 13 13 Concrete Paving (32 13)

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving (32 13 13)

32 13 13 33-0001	Concrete Paving Assemblies <small>(32 13 13 33)</small>	
	Note: Includes grading, compaction, forms, wire mesh 6" x 6"-W1.4 x W1.4, concrete, curing, latex or hot asphalt expansion joints, control joints, and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, driveway aprons, parking areas, or other areas of vehicular traffic. See CSI section 03 05 00 00-0001 for color additive.	
32 13 13 33-0002	4,500 PSI Concrete Paving Assembly <small>(32 13 13 33-0001)</small>	
	Note: Includes mesh and reinforcing rods, concrete, curing, expansion and construction joints and finish. Excludes excavation and earthwork.	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0003	SY		4" 4,500 PSI Concrete Paving Assembly.....	25.87	
			<i>For 2,500 PSI Concrete, Deduct</i>	-1.70	
			<i>For 3,000 PSI Concrete, Deduct</i>	-1.11	
			<i>For 3,500 PSI Concrete, Deduct</i>	-0.89	
			<i>For 4,000 PSI Concrete, Deduct</i>	-0.38	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	1.92	
			<i>For <10' Wide Pass, Add</i>	4.25	
			<i>For >24' Wide Pass, Deduct</i>	-5.17	
			<i>For Air Entrainment, Add</i>	0.74	
			<i>For Slipforming, Deduct</i>	-2.59	
			<i>For Up To 100, Add</i>	9.61	
			<i>For >100 To 250, Add</i>	5.54	
			<i>For >250 To 500, Add</i>	2.77	
			<i>For >1,000 To 2,000, Deduct</i>	-0.74	
			<i>For >2,000 To 5,000, Deduct</i>	-1.39	
			<i>For >5,000 To 10,000, Deduct</i>	-2.03	
			<i>For >10,000 To 20,000, Deduct</i>	-2.68	
			<i>For >20,000, Deduct</i>	-3.33	
32 13 13 33-0004	SY		5" 4,500 PSI Concrete Paving Assembly.....	30.88	
			<i>For 2,500 PSI Concrete, Deduct</i>	-2.13	
			<i>For 3,000 PSI Concrete, Deduct</i>	-1.39	
			<i>For 3,500 PSI Concrete, Deduct</i>	-1.11	
			<i>For 4,000 PSI Concrete, Deduct</i>	-0.48	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	2.41	
			<i>For <10' Wide Pass, Add</i>	4.94	
			<i>For >24' Wide Pass, Deduct</i>	-6.18	
			<i>For Air Entrainment, Add</i>	0.93	
			<i>For Slipforming, Deduct</i>	-3.09	
			<i>For Up To 100, Add</i>	11.11	
			<i>For >100 To 250, Add</i>	6.48	
			<i>For >250 To 500, Add</i>	3.24	
			<i>For >1,000 To 2,000, Deduct</i>	-0.93	
			<i>For >2,000 To 5,000, Deduct</i>	-1.70	
			<i>For >5,000 To 10,000, Deduct</i>	-2.47	
			<i>For >10,000 To 20,000, Deduct</i>	-3.24	
			<i>For >20,000, Deduct</i>	-4.02	
32 13 13 33-0005	SY		6" 4,500 PSI Concrete Paving Assembly.....	32.93	
			<i>For 2,500 PSI Concrete, Deduct</i>	-2.25	
			<i>For 3,000 PSI Concrete, Deduct</i>	-1.47	
			<i>For 3,500 PSI Concrete, Deduct</i>	-1.17	
			<i>For 4,000 PSI Concrete, Deduct</i>	-0.51	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	2.54	
			<i>For <10' Wide Pass, Add</i>	5.30	
			<i>For >24' Wide Pass, Deduct</i>	-6.59	
			<i>For Air Entrainment, Add</i>	0.98	
			<i>For Slipforming, Deduct</i>	-3.29	
			<i>For Up To 100, Add</i>	11.93	
			<i>For >100 To 250, Add</i>	6.94	
			<i>For >250 To 500, Add</i>	3.47	
			<i>For >1,000 To 2,000, Deduct</i>	-0.98	
			<i>For >2,000 To 5,000, Deduct</i>	-1.80	
			<i>For >5,000 To 10,000, Deduct</i>	-2.63	
			<i>For >10,000 To 20,000, Deduct</i>	-3.45	
			<i>For >20,000, Deduct</i>	-4.27	
32 13 13 33-0006	SY		7" 4,500 PSI Concrete Paving Assembly.....	39.48	
			<i>For 2,500 PSI Concrete, Deduct</i>	-2.84	
			<i>For 3,000 PSI Concrete, Deduct</i>	-1.85	
			<i>For 3,500 PSI Concrete, Deduct</i>	-1.48	
			<i>For 4,000 PSI Concrete, Deduct</i>	-0.64	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	3.21	
			<i>For <10' Wide Pass, Add</i>	6.17	
			<i>For >24' Wide Pass, Deduct</i>	-7.90	
			<i>For Air Entrainment, Add</i>	1.23	
			<i>For Slipforming, Deduct</i>	-3.95	
			<i>For Up To 100, Add</i>	13.82	
			<i>For >100 To 250, Add</i>	8.14	
			<i>For >250 To 500, Add</i>	4.07	
			<i>For >1,000 To 2,000, Deduct</i>	-1.23	
			<i>For >2,000 To 5,000, Deduct</i>	-2.22	
			<i>For >5,000 To 10,000, Deduct</i>	-3.21	
			<i>For >10,000 To 20,000, Deduct</i>	-4.20	
			<i>For >20,000, Deduct</i>	-5.18	
32 13 13 33-0007	SY		8" 4,500 PSI Concrete Paving Assembly.....	44.83	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.11	
			<i>For 3,000 PSI Concrete, Deduct</i>	-2.03	
			<i>For 3,500 PSI Concrete, Deduct</i>	-1.62	
			<i>For 4,000 PSI Concrete, Deduct</i>	-0.70	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	3.52	
			<i>For <10' Wide Pass, Add</i>	7.15	
			<i>For >24' Wide Pass, Deduct</i>	-8.97	
			<i>For Air Entrainment, Add</i>	1.35	
			<i>For Slipforming, Deduct</i>	-4.48	
			<i>For Up To 100, Add</i>	16.07	
			<i>For >100 To 250, Add</i>	9.39	
			<i>For >250 To 500, Add</i>	4.69	
			<i>For >1,000 To 2,000, Deduct</i>	-1.35	
			<i>For >2,000 To 5,000, Deduct</i>	-2.47	
			<i>For >5,000 To 10,000, Deduct</i>	-3.60	
			<i>For >10,000 To 20,000, Deduct</i>	-4.72	
			<i>For >20,000, Deduct</i>	-5.84	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 13 Rigid Paving**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly.....	50.90
		For 2,500 PSI Concrete, Deduct	-3.60
		For 3,000 PSI Concrete, Deduct	-2.35
		For 3,500 PSI Concrete, Deduct	-1.88
		For 4,000 PSI Concrete, Deduct	-0.81
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.07
		For <10' Wide Pass, Add	8.03
		For >24' Wide Pass, Deduct	-10.18
		For Air Entrainment, Add	1.57
		For Slipforming, Deduct	-5.09
		For Up To 100, Add	18.02
		For >100 To 250, Add	10.58
		For >250 To 500, Add	5.29
		For >1,000 To 2,000, Deduct	-1.57
		For >2,000 To 5,000, Deduct	-2.84
		For >5,000 To 10,000, Deduct	-4.11
		For >10,000 To 20,000, Deduct	-5.38
		For >20,000, Deduct	-6.66
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly.....	56.62
		For 2,500 PSI Concrete, Deduct	-3.96
		For 3,000 PSI Concrete, Deduct	-2.58
		For 3,500 PSI Concrete, Deduct	-2.07
		For 4,000 PSI Concrete, Deduct	-0.90
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.48
		For <10' Wide Pass, Add	8.99
		For >24' Wide Pass, Deduct	-11.32
		For Air Entrainment, Add	1.72
		For Slipforming, Deduct	-5.66
		For Up To 100, Add	20.20
		For >100 To 250, Add	11.82
		For >250 To 500, Add	5.91
		For >1,000 To 2,000, Deduct	-1.72
		For >2,000 To 5,000, Deduct	-3.14
		For >5,000 To 10,000, Deduct	-4.55
		For >10,000 To 20,000, Deduct	-5.97
		For >20,000, Deduct	-7.38
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly.....	67.40
		For 2,500 PSI Concrete, Deduct	-4.69
		For 3,000 PSI Concrete, Deduct	-3.06
		For 3,500 PSI Concrete, Deduct	-2.45
		For 4,000 PSI Concrete, Deduct	-1.06
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.30
		For <10' Wide Pass, Add	10.73
		For >24' Wide Pass, Deduct	-13.48
		For Air Entrainment, Add	2.04
		For Slipforming, Deduct	-6.74
		For Up To 100, Add	24.13
		For >100 To 250, Add	14.10
		For >250 To 500, Add	7.05
		For >1,000 To 2,000, Deduct	-2.04
		For >2,000 To 5,000, Deduct	-3.72
		For >5,000 To 10,000, Deduct	-5.41
		For >10,000 To 20,000, Deduct	-7.09
		For >20,000, Deduct	-8.78
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly.....	85.40
		For 2,500 PSI Concrete, Deduct	-5.76
		For 3,000 PSI Concrete, Deduct	-3.75
		For 3,500 PSI Concrete, Deduct	-3.00
		For 4,000 PSI Concrete, Deduct	-1.30
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.51
		For <10' Wide Pass, Add	13.84
		For >24' Wide Pass, Deduct	-17.08
		For Air Entrainment, Add	2.50
		For Slipforming, Deduct	-8.54
		For Up To 100, Add	31.22
		For >100 To 250, Add	18.11
		For >250 To 500, Add	9.06
		For >1,000 To 2,000, Deduct	-2.50
		For >2,000 To 5,000, Deduct	-4.64
		For >5,000 To 10,000, Deduct	-6.77
		For >10,000 To 20,000, Deduct	-8.91
		For >20,000, Deduct	-11.04

32 13 16 Decorative Concrete Paving (32 13)**32 13 16 13 Patterned Concrete Paving (32 13 16)**

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk.....	1.68
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32 13 43 Pervious Concrete Paving (32 13)**32 13 43 00-0001 Pervious Concrete Assembly (32 13 43)**

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick Pervious Concrete Paving.....	6.43
		Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	
		For >5,000 To 30,000, Deduct	-0.69
		For >30,000 To 100,000, Deduct	-1.26
		For >100,000, Deduct	-1.56



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 43 00-0003	SF		9" Thick Pervious Concrete Paving.....	8.12	
			Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
			For >5,000 To 30,000, Deduct	-0.85	
			For >30,000 To 100,000, Deduct	-1.52	
			For >100,000, Deduct	-1.89	
32 13 43 00-0004	SF		City Of Miami Pervious Concrete Assembly	10.70	
			Note: Includes excavation, 15" #5 aggregate base, compaction, filter fabric, 9" pervious concrete, curing, finish, and control joints. Excludes loading spoils, hauling spoils, forms and expansion joints along existing.		
			For >5,000 To 30,000, Deduct	-1.07	
			For >30,000 To 100,000, Deduct	-1.87	
			For >100,000, Deduct	-2.32	
32 13 73 Concrete Paving Joint Sealants (32 13)					
32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)					
32 13 73 13-0001			Concrete Pavement Joint And Crack Repair (32 13 73 13)		
			Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002	LF		Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	4.07	
32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)					
32 13 73 16-0001			Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)		
			Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF		Joint Sealing, Concrete Pavement Preformed Elastomeric	6.78	
32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)					
32 13 73 19-0001			Silicone Joint Sealant For Concrete Pavement (32 13 73 19)		
			Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where sawcutting is not required. Excludes saw cutting.		
32 13 73 19-0002	LF		1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	3.79	0.86
32 13 73 19-0003	LF		3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	4.03	0.88
32 13 73 19-0004	LF		1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	4.28	0.90
32 13 73 19-0005	LF		3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	5.23	0.91
32 13 73 19-0006	LF		1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	6.41	0.94
32 13 73 19-0007	LF		1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.00	0.96
32 13 73 19-0008	LF		2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	10.39	0.97
32 14 Unit Paving (32 10)					
32 14 09 Paver Restraints (32 14)					
32 14 09 00-0001			Paver Restraints (32 14 09)		
			Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.		
32 14 09 00-0002	LF		Up To 2" Height, Vinyl Paver Restraint	2.35	0.33
			For >1,000 To 2,000, Deduct	-0.40	
			For >2,000 To 4,000, Deduct	-0.58	
			For >4,000, Deduct	-0.74	
32 14 09 00-0003	LF		Up To 2" Height, Galvanized Steel Paver Restraint.....	2.59	0.33
			For >500 To 1,000, Deduct	-0.10	
			For >1,000 To 2,000, Deduct	-0.21	
			For >2,000, Deduct	-0.31	
32 14 09 00-0004	LF		Up To 1" Height, Aluminum Paver Restraint.....	2.47	0.33
			For >250 To 500, Deduct	-0.19	
			For >500 To 1,000, Deduct	-0.29	
			For >1,000 To 1,500, Deduct	-0.48	
32 14 09 00-0005	LF		>1" To 2" Height, Aluminum Paver Restraint	3.01	0.33
			For >250 To 500, Deduct	-0.25	
			For >500 To 1,000, Deduct	-0.37	
			For >1,000 To 1,500, Deduct	-0.62	
32 14 09 00-0006	LF		>2" To 3" Height, Aluminum Paver Restraint	4.05	0.33
			For >250 To 500, Deduct	-0.35	
			For >500 To 1,000, Deduct	-0.53	
			For >1,000 To 1,500, Deduct	-0.88	
32 14 09 00-0007	LF		>3" To 4" Height, Aluminum Paver Restraint.....	4.85	0.33
			For >250 To 500, Deduct	-0.43	
			For >500 To 1,000, Deduct	-0.65	
			For >1,000 To 1,500, Deduct	-1.08	
32 14 11 Bedding For Unit Paving (32 14)					
32 14 11 00-0001			Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)		
			Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0028 for hauling greater than 15 miles.		
32 14 11 00-0002	SF		1" To 2" Sand Bedding, Screeded	0.42	
			For Up To 100, Add	0.17	
			For >100 To 500, Add	0.05	
			For >1,000 To 5,000, Deduct	-0.03	
			For >5,000, Deduct	-0.05	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 14 Unit Paving



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 14 11 00-0003	SF	1" To 2" Stone Dust Bedding, Screeded.....	0.54	
		For Up To 100, Add	0.20	
		For >100 To 500, Add	0.05	
		For >1,000 To 5,000, Deduct	-0.03	
		For >5,000, Deduct	-0.05	
32 14 11 00-0004	SF	3" Stone Dust Bedding, Screeded.....	0.72	
		For Up To 100, Add	0.26	
		For >100 To 500, Add	0.07	
		For >1,000 To 5,000, Deduct	-0.03	
		For >5,000, Deduct	-0.06	
32 14 11 00-0005	SF	4" Stone Dust Bedding, Screeded.....	0.92	
		For Up To 100, Add	0.33	
		For >100 To 500, Add	0.08	
		For >1,000 To 5,000, Deduct	-0.04	
		For >5,000, Deduct	-0.07	
32 14 11 00-0006	SF	1" Mortar Bedding.....	1.25	
		For Up To 100, Add	0.53	
		For >100 To 500, Add	0.15	
		For >1,000 To 5,000, Deduct	-0.09	
		For >5,000, Deduct	-0.14	
32 14 11 00-0007	SF	2" Mortar Bedding.....	1.91	
		For Up To 100, Add	0.77	
		For >100 To 500, Add	0.21	
		For >1,000 To 5,000, Deduct	-0.12	
		For >5,000, Deduct	-0.20	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar.....	0.65	
		For Up To 100, Add	0.28	
		For >100 To 500, Add	0.08	
		For >1,000 To 5,000, Deduct	-0.05	
		For >5,000, Deduct	-0.07	

32 14 13 Precast Concrete Unit Paving (32 14)

32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)

32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver.....	5.20	1.09
		Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	0.56	
		For 3-1/8" Concrete Paver, Add	0.92	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.37	
		For Up To 100, Add	1.85	
		For >100 To 500, Add	0.48	
		For >1,000 To 5,000, Deduct	-0.22	
		For >5,000, Deduct	-0.42	
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver.....	5.00	1.00
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	0.55	
		For 3-1/8" Concrete Paver, Add	0.90	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.35	
		For Up To 100, Add	1.75	
		For >100 To 500, Add	0.45	
		For >1,000 To 5,000, Deduct	-0.20	
		For >5,000, Deduct	-0.39	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver.....	4.82	0.79
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	0.54	
		For 3-1/8" Concrete Paver, Add	0.89	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.33	
		For Up To 100, Add	1.66	
		For >100 To 500, Add	0.42	
		For >1,000 To 5,000, Deduct	-0.18	
		For >5,000, Deduct	-0.36	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver.....	4.66	0.83
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	0.53	
		For 3-1/8" Concrete Paver, Add	0.88	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.32	
		For Up To 100, Add	1.58	
		For >100 To 500, Add	0.40	
		For >1,000 To 5,000, Deduct	-0.17	
		For >5,000, Deduct	-0.34	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns.....	4.91	0.95
		Note: Patterns made by combining pavers from two or more size groups.		
		For 2-3/4" Concrete Paver, Add	0.55	
		For 3-1/8" Concrete Paver, Add	0.90	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.34	
		For Up To 100, Add	1.70	
		For >100 To 500, Add	0.44	
		For >1,000 To 5,000, Deduct	-0.19	
		For >5,000, Deduct	-0.38	

32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)

32 14 13 19-0001 Turf Block (32 14 13 19)

Note: Grass grid, open-cell unit paver, geoblock.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 19-0002 SF 3-1/8" Thick, Precast Concrete Turf Block.....	5.55	0.95
For Up To 100, Add	1.86	
For >100 To 500, Add	0.47	
For >1,000 To 5,000, Deduct	-0.19	
For >5,000, Deduct	-0.39	
32 14 16 Brick Unit Paving (32 14)		
32 14 16 00-0001 Brick Paver Sidewalk (32 14 16)		
Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 16 00-0002 SF 4" x 8" x 2-1/4" Brick Paver, Laid Flat.....	6.99	1.09
For 1-3/8" Thick Paver, Deduct	-1.79	
For 2-3/4" Thick Paver (Vehicular), Add	4.21	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.46	
For Up To 100, Add	2.30	
For >100 To 500, Add	0.57	
For >1,000 To 5,000, Deduct	-0.22	
For >5,000, Deduct	-0.47	
32 14 16 00-0003 SF 4" x 8" x 2-1/4" Brick, Laid On Edge.....	11.03	1.25
For 1-3/8" Thick Paver, Deduct	-3.11	
For 2-3/4" Thick Paver (Vehicular), Add	7.41	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.68	
For Up To 100, Add	3.38	
For >100 To 500, Add	0.80	
For >1,000 To 5,000, Deduct	-0.25	
For >5,000, Deduct	-0.63	
32 14 33 Plastic Paving (32 14)		
32 14 33 00-0001 Turf Block Plastic Paving (32 14 33)		
32 14 33 00-0002 SF 4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block.....	9.15	0.95
For Up To 100, Add	2.76	
For >100 To 500, Add	0.65	
For >1,000 To 5,000, Deduct	-0.19	
For >5,000, Deduct	-0.50	
32 14 40 Stone Paving (32 14)		
32 14 40 00-0001 Slate Paver Sidewalk (32 14 40)		
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002 SF 1" Thick, Up to 54 Sl Slate Paver.....	10.64	0.91
Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.62	
For 1/4" Thick Paver, Deduct	-6.10	
For 1/2" Thick Paver, Deduct	-4.33	
For Up To 100, Add	3.11	
For >100 To 500, Add	0.71	
For >1,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.54	
32 14 40 00-0003 SF 1" Thick, >54 to 108 Sl Slate Paver.....	10.48	0.83
Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.61	
For 1/4" Thick Paver, Deduct	-6.06	
For 1/2" Thick Paver, Deduct	-4.31	
For Up To 100, Add	3.03	
For >100 To 500, Add	0.69	
For >1,000 To 5,000, Deduct	-0.17	
For >5,000, Deduct	-0.51	
32 14 40 00-0004 SF 1" Thick, >108 to 216 Sl Slate Paver.....	10.19	0.68
Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.58	
For 1/4" Thick Paver, Deduct	-5.99	
For 1/2" Thick Paver, Deduct	-4.27	
For Up To 100, Add	2.89	
For >100 To 500, Add	0.65	
For >1,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.47	
32 14 40 00-0005 SF 1" Thick, >216 Sl Slate Paver.....	10.07	0.62
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.57	
For 1/4" Thick Paver, Deduct	-5.96	
For 1/2" Thick Paver, Deduct	-4.25	
For Up To 100, Add	2.83	
For >100 To 500, Add	0.63	
For >1,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.45	
32 14 40 00-0006 SF 1" Thick, Slate Paver, Combinations And Patterns.....	10.32	0.75
Note: Patterns made by combining pavers from two or more size groups.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.59	
For 1/4" Thick Paver, Deduct	-6.02	
For 1/2" Thick Paver, Deduct	-4.29	
For Up To 100, Add	2.95	
For >100 To 500, Add	0.67	
For >1,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.49	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 14 Unit Paving



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 14 40 00-0007	Granite Paver Sidewalk <small>(32 14 40)</small> Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF 1" Thick, Up to 54 SI Granite Paver Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add	12.51	0.91
		0.72	
		3.58	
		0.81	
		-0.18	
		-0.59	
		0.63	
		1.25	
		1.34	
32 14 40 00-0009	SF 1" Thick, >54 to 108 SI Granite Paver..... Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add	12.35	0.83
		0.70	
		3.50	
		0.78	
		-0.17	
		-0.57	
		0.62	
		1.24	
		1.32	
32 14 40 00-0010	SF 1" Thick, >108 to 216 SI Granite Paver..... Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add	12.06	0.68
		0.67	
		3.36	
		0.74	
		-0.14	
		-0.53	
		0.60	
		1.21	
		1.27	
32 14 40 00-0011	SF 1" Thick, >216 SI Granite Paver..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add	11.94	0.62
		0.66	
		3.30	
		0.72	
		-0.12	
		-0.51	
		0.60	
		1.19	
		1.26	
32 14 40 00-0012	SF 1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add	12.19	0.75
		0.68	
		3.42	
		0.76	
		-0.15	
		-0.54	
		0.61	
		1.22	
		1.29	

32 15 Aggregate Surfacing (32 10)**32 15 40 Crushed Stone Surfacing** (32 15)

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0028 for hauling greater than 15 miles.

32 16 Curbs, Gutters, Sidewalks, And Driveways (32 10)**32 16 13 Curbs And Gutters** (32 16)

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs And Gutters (32 16 13)

Note: Includes concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 Cast In Place Concrete Curb And Gutter (32 16 13 13)

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0002	LF City Of Miami New, Straight, 14" x 24" Type F Concrete Curb And Gutter..... For Up To 20, Add For >20 To 50, Add For >50 To 100, Add For >500 To 1,000, Deduct For >1,000, Deduct For Rolled Curb And Gutter	18.01	
		12.07	
		6.67	
		2.70	
		-2.16	
		-3.70	
		0.97	
32 16 13 13-0003	LF City Of Miami New, Radiused, 14" x 24" Type F Concrete Curb And Gutter For Up To 20, Add For >20 To 50, Add For >50 To 100, Add For >500 To 1,000, Deduct For >1,000, Deduct For Rolled Curb And Gutter	19.99	
		13.41	
		7.42	
		3.00	
		-2.42	
		-4.13	
		1.10	



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Curbs, Gutters, Sidewalks, And Driveways	32 16

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0004 LF City Of Miami New, Straight 6" X 9" Curb Border	7.14	
For Up To 20, Add	4.84	
For >20 To 50, Add	2.70	
For >50 To 100, Add	1.07	
For >500 To 1,000, Deduct	-0.91	
For >1,000, Deduct	-1.55	
For Rolled Curb And Gutter	0.47	
32 16 13 13-0005 LF City Of Miami New, Radiused 6" X 9" Curb Border.....	8.17	
For Up To 20, Add	5.54	
For >20 To 50, Add	3.09	
For >50 To 100, Add	1.23	
For >500 To 1,000, Deduct	-1.05	
For >1,000, Deduct	-1.78	
For Rolled Curb And Gutter	0.55	
32 16 13 13-0006 LF City Of Miami Replacement, Straight 6" X 9" Curb Border.....	10.60	
For Up To 20, Add	7.26	
For >20 To 50, Add	4.08	
For >50 To 100, Add	1.59	
For >500 To 1,000, Deduct	-1.43	
For >1,000, Deduct	-2.41	
For Rolled Curb And Gutter	0.81	
32 16 13 13-0007 LF City Of Miami Replacement, Radiused 6" X 9" Curb Border.....	12.14	
For Up To 20, Add	8.32	
For >20 To 50, Add	4.68	
For >50 To 100, Add	1.82	
For >500 To 1,000, Deduct	-1.65	
For >1,000, Deduct	-2.77	
For Rolled Curb And Gutter	0.94	
32 16 13 13-0008 LF City Of Miami New, Straight 6" X 12" Header Curb	7.52	
For Up To 20, Add	5.07	
For >20 To 50, Add	2.81	
For >50 To 100, Add	1.13	
For >500 To 1,000, Deduct	-0.93	
For >1,000, Deduct	-1.58	
For Rolled Curb And Gutter	0.45	
32 16 13 13-0009 LF City Of Miami New, Radiused 6" X 12" Header Curb.....	8.58	
For Up To 20, Add	5.79	
For >20 To 50, Add	3.22	
For >50 To 100, Add	1.29	
For >500 To 1,000, Deduct	-1.07	
For >1,000, Deduct	-1.82	
For Rolled Curb And Gutter	0.52	
32 16 13 13-0010 LF City Of Miami Replacement, Straight 6" X 12" Header Curb.....	10.98	
For Up To 20, Add	7.49	
For >20 To 50, Add	4.20	
For >50 To 100, Add	1.65	
For >500 To 1,000, Deduct	-1.45	
For >1,000, Deduct	-2.45	
For Rolled Curb And Gutter	0.79	
32 16 13 13-0011 LF City Of Miami Replacement, Radiused 6" X 12" Header Curb.....	12.55	
For Up To 20, Add	8.57	
For >20 To 50, Add	4.80	
For >50 To 100, Add	1.88	
For >500 To 1,000, Deduct	-1.67	
For >1,000, Deduct	-2.81	
For Rolled Curb And Gutter	0.92	
32 16 13 13-0012 LF City Of Miami New, Straight 8" X 18" Type D Concrete Curb	10.79	
For Up To 20, Add	7.17	
For >20 To 50, Add	3.94	
For >50 To 100, Add	1.62	
For >500 To 1,000, Deduct	-1.24	
For >1,000, Deduct	-2.13	
For Rolled Curb And Gutter	0.49	
32 16 13 13-0013 LF City Of Miami New, Radiused, 8" X 18" Type D Concrete Curb	12.14	
For Up To 20, Add	8.08	
For >20 To 50, Add	4.44	
For >50 To 100, Add	1.82	
For >500 To 1,000, Deduct	-1.40	
For >1,000, Deduct	-2.41	
For Rolled Curb And Gutter	0.57	
32 16 13 13-0014 LF City Of Miami Replacement, Straight 8" X 18" Type D Concrete Curb	14.26	
For Up To 20, Add	9.60	
For >20 To 50, Add	5.33	
For >50 To 100, Add	2.14	
For >500 To 1,000, Deduct	-1.76	
For >1,000, Deduct	-3.00	
For Rolled Curb And Gutter	0.84	
32 16 13 13-0015 LF City Of Miami Replacement, Radiused, 8" X 18" Type D Concrete Curb	16.13	
For Up To 20, Add	10.87	
For >20 To 50, Add	6.04	
For >50 To 100, Add	2.42	
For >500 To 1,000, Deduct	-2.00	
For >1,000, Deduct	-3.41	
For Rolled Curb And Gutter	0.97	
32 16 13 13-0016 LF City Of Miami New, Straight 9" X 18" Type B Concrete Curb	11.23	
For Up To 20, Add	7.44	
For >20 To 50, Add	4.07	
For >50 To 100, Add	1.68	
For >500 To 1,000, Deduct	-1.26	
For >1,000, Deduct	-2.17	
For Rolled Curb And Gutter	0.47	

32 Exterior Improvements

32 10 Bases, Ballasts, And Paving

32 16 Curbs, Gutters, Sidewalks, And Driveways



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 16 13 13-0017	LF	City Of Miami New, Radiused, 9" X 18" Type B Concrete Curb.....	12.63
		For Up To 20, Add	8.38
		For >20 To 50, Add	4.59
		For >50 To 100, Add	1.89
		For >500 To 1,000, Deduct	-1.43
		For >1,000, Deduct	-2.46
		For Rolled Curb And Gutter	0.54
32 16 13 13-0018	LF	City Of Miami Replacement, Straight 9" X 18" Type B Concrete Curb.....	14.70
		For Up To 20, Add	9.87
		For >20 To 50, Add	5.46
		For >50 To 100, Add	2.21
		For >500 To 1,000, Deduct	-1.78
		For >1,000, Deduct	-3.04
		For Rolled Curb And Gutter	0.81
32 16 13 13-0019	LF	City Of Miami Replacement, Radiused, 9" X 18" Type B Concrete Curb.....	16.62
		For Up To 20, Add	11.17
		For >20 To 50, Add	6.18
		For >50 To 100, Add	2.49
		For >500 To 1,000, Deduct	-2.03
		For >1,000, Deduct	-3.46
		For Rolled Curb And Gutter	0.94
32 16 13 13-0020	LF	City Of Miami New, Straight, 12" x 24" Type F Concrete Curb And Gutter.....	17.15
		For Up To 20, Add	11.49
		For >20 To 50, Add	6.35
		For >50 To 100, Add	2.57
		For >500 To 1,000, Deduct	-2.06
		For >1,000, Deduct	-3.52
		For Rolled Curb And Gutter	0.92
32 16 13 13-0021	LF	City Of Miami New, Radiused, 12" x 24" Type F Concrete Curb And Gutter.....	19.04
		For Up To 20, Add	12.78
		For >20 To 50, Add	7.07
		For >50 To 100, Add	2.86
		For >500 To 1,000, Deduct	-2.31
		For >1,000, Deduct	-3.93
		For Rolled Curb And Gutter	1.05
32 16 13 13-0022	LF	City Of Miami Replacement, Straight, 12" x 24" Type F Concrete Curb And Gutter.....	21.61
		For Up To 20, Add	14.62
		For >20 To 50, Add	8.13
		For >50 To 100, Add	3.24
		For >500 To 1,000, Deduct	-2.73
		For >1,000, Deduct	-4.63
		For Rolled Curb And Gutter	1.37
32 16 13 13-0023	LF	City Of Miami Replacement, Radiused, 12" x 24" Type F Concrete Curb And Gutter.....	23.98
		For Up To 20, Add	16.24
		For >20 To 50, Add	9.04
		For >50 To 100, Add	3.60
		For >500 To 1,000, Deduct	-3.05
		For >1,000, Deduct	-5.17
		For Rolled Curb And Gutter	1.54
32 16 13 13-0024	LF	City Of Miami Replacement, Straight, 14" x 24" Type F Concrete Curb And Gutter.....	24.02
		For Up To 20, Add	16.28
		For >20 To 50, Add	9.07
		For >50 To 100, Add	3.60
		For >500 To 1,000, Deduct	-3.07
		For >1,000, Deduct	-5.20
		For Rolled Curb And Gutter	1.57
32 16 13 13-0025	LF	City Of Miami Replacement, Radiused, 14" x 24" Type F Concrete Curb And Gutter.....	26.76
		For Up To 20, Add	18.15
		For >20 To 50, Add	10.13
		For >50 To 100, Add	4.01
		For >500 To 1,000, Deduct	-3.44
		For >1,000, Deduct	-5.82
		For Rolled Curb And Gutter	1.78
32 16 13 13-0026	LF	City Of Miami New, Straight, 8" x 24" Driveway Concrete Curb And Gutter.....	17.37
		For Up To 20, Add	11.56
		For >20 To 50, Add	6.35
		For >50 To 100, Add	2.61
		For >500 To 1,000, Deduct	-2.01
		For >1,000, Deduct	-3.45
		For Rolled Curb And Gutter	0.81
32 16 13 13-0027	LF	City Of Miami New, Radiused, 8" x 24" Driveway Concrete Curb And Gutter.....	19.19
		For Up To 20, Add	12.80
		For >20 To 50, Add	7.04
		For >50 To 100, Add	2.88
		For >500 To 1,000, Deduct	-2.24
		For >1,000, Deduct	-3.85
		For Rolled Curb And Gutter	0.94
32 16 13 13-0028	LF	City Of Miami Replacement, Straight, 8" x 24" Driveway Concrete Curb And Gutter.....	21.61
		For Up To 20, Add	14.53
		For >20 To 50, Add	8.05
		For >50 To 100, Add	3.24
		For >500 To 1,000, Deduct	-2.65
		For >1,000, Deduct	-4.51
		For Rolled Curb And Gutter	1.24
32 16 13 13-0029	LF	City Of Miami Replacement, Radiused, 8" x 24" Driveway Concrete Curb And Gutter.....	23.74
		For Up To 20, Add	16.00
		For >20 To 50, Add	8.88
		For >50 To 100, Add	3.56
		For >500 To 1,000, Deduct	-2.94
		For >1,000, Deduct	-5.01
		For Rolled Curb And Gutter	1.41



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Curbs, Gutters, Sidewalks, And Driveways	32 16

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0030 LF City Of Miami New, Straight, 12" x 18" Green Way Concrete Curb And Gutter.....	15.92	
For Up To 20, Add	10.69	
For >20 To 50, Add	5.91	
For >50 To 100, Add	2.39	
For >500 To 1,000, Deduct	-1.93	
For >1,000, Deduct	-3.30	
For Rolled Curb And Gutter	0.89	
32 16 13 13-0031 LF City Of Miami New, Radiused, 12" x 18" Green Way Concrete Curb And Gutter.....	17.70	
For Up To 20, Add	11.90	
For >20 To 50, Add	6.59	
For >50 To 100, Add	2.66	
For >500 To 1,000, Deduct	-2.16	
For >1,000, Deduct	-3.69	
For Rolled Curb And Gutter	1.01	
32 16 13 13-0032 LF City Of Miami Replacement, Straight, 12" x 18" Green Way Concrete Curb And Gutter.....	21.34	
For Up To 20, Add	14.48	
For >20 To 50, Add	8.08	
For >50 To 100, Add	3.20	
For >500 To 1,000, Deduct	-2.75	
For >1,000, Deduct	-4.65	
For Rolled Curb And Gutter	1.43	
32 16 13 13-0033 LF City Of Miami Replacement, Radiused, 12" x 18" Green Way Concrete Curb And Gutter.....	23.79	
For Up To 20, Add	16.16	
For >20 To 50, Add	9.03	
For >50 To 100, Add	3.57	
For >500 To 1,000, Deduct	-3.08	
For >1,000, Deduct	-5.21	
For Rolled Curb And Gutter	1.62	
32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)		
Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0001 Curbs, Machine Formed, Slip Form (32 16 13 14)		
Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0002 JOB Machine Formed Concrete Curb Minimum Set-Up Charge.....	632.79	
Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003 LF 6" x 12" Straight Concrete Curb, Machine Formed.....	7.01	
32 16 13 14-0004 LF 6" x 12" Curved Concrete Curb, Machine Formed.....	9.15	
32 16 13 14-0005 LF 6" x 18" Straight Concrete Curb, Machine Formed.....	9.33	
32 16 13 14-0006 LF 6" x 18" Curved Concrete Curb, Machine Formed.....	11.70	
32 16 13 16 Steel Faced Curbs (32 16 13)		
Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0001 Sidewalk/Curb Facing (32 16 13 16)		
Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0002 LF 3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	11.41	2.13
For Curved Section, Add	1.94	
32 16 13 16-0003 LF 4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	12.37	2.42
For Curved Section, Add	2.14	
32 16 13 16-0004 LF 6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	17.77	2.71
For Curved Section, Add	2.80	
32 16 13 16-0005 LF 8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	22.44	3.05
For Curved Section, Add	3.38	
32 16 13 16-0006 LF 10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	28.20	3.34
For Curved Section, Add	4.07	
32 16 13 16-0007 LF 12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	37.10	4.26
For Curved Section, Add	5.30	
32 16 13 16-0008 LF 13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	41.56	5.52
For Curved Section, Add	6.22	
32 16 13 16-0009 EA Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	141.78	
32 16 13 19 Cast-In-Place Concrete Drainage Ditches (32 16 13)		
32 16 13 19-0001 Valley Gutter, Cast In Place (32 16 13 19)		
Note: Includes concrete, forms, rebar, expansion joints, finish and curing.		
32 16 13 19-0002 LF 2' Wide Valley Gutter, 6" Thick.....	14.00	4.21
For Up To 20, Add	5.81	
For >20 To 50, Add	3.21	
For >50 To 100, Add	1.30	
For >500 To 1,000, Deduct	-1.30	
For >1,000, Deduct	-2.30	
32 16 13 19-0003 LF 2-1/2' Wide Valley Gutter, 6" Thick.....	17.22	4.88
For Up To 20, Add	7.07	
For >20 To 50, Add	3.90	
For >50 To 100, Add	1.59	
For >500 To 1,000, Deduct	-1.59	
For >1,000, Deduct	-2.81	
32 16 13 19-0004 LF 3' Wide Valley Gutter, 6" Thick.....	20.41	4.29
For Up To 20, Add	8.31	
For >20 To 50, Add	4.58	
For >50 To 100, Add	1.87	
For >500 To 1,000, Deduct	-1.87	
For >1,000, Deduct	-3.31	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 16 Curbs, Gutters, Sidewalks, And Driveways



MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

32 16 13 19-0005	LF	3-1/2'	Wide Valley Gutter, 6" Thick	23.60	4.74
			<i>For Up To 20, Add</i>	9.54	
			<i>For >20 To 50, Add</i>	5.25	
			<i>For >50 To 100, Add</i>	2.14	
			<i>For >500 To 1,000, Deduct</i>	-2.14	
			<i>For >1,000, Deduct</i>	-3.81	
32 16 13 19-0006	LF	4'	Wide Valley Gutter, 6" Thick	26.79	5.41
			<i>For Up To 20, Add</i>	10.78	
			<i>For >20 To 50, Add</i>	5.93	
			<i>For >50 To 100, Add</i>	2.42	
			<i>For >500 To 1,000, Deduct</i>	-2.42	
			<i>For >1,000, Deduct</i>	-4.31	
32 16 13 19-0007	LF	5'	Wide Valley Gutter, 6" Thick	32.14	
			<i>For Up To 20, Add</i>	12.53	
			<i>For >20 To 50, Add</i>	6.87	
			<i>For >50 To 100, Add</i>	2.83	
			<i>For >500 To 1,000, Deduct</i>	-2.83	
			<i>For >1,000, Deduct</i>	-5.04	
32 16 13 19-0008	LF	6'	Wide Valley Gutter, 6" Thick	37.32	
			<i>For Up To 20, Add</i>	14.16	
			<i>For >20 To 50, Add</i>	7.75	
			<i>For >50 To 100, Add</i>	3.21	
			<i>For >500 To 1,000, Deduct</i>	-3.21	
			<i>For >1,000, Deduct</i>	-5.74	
32 16 13 19-0009	SF	>6'	Wide Valley Gutter, 6" Thick	6.22	
			<i>For Up To 100, Add</i>	2.36	
			<i>For >100 To 250, Add</i>	1.29	
			<i>For >250 To 500, Add</i>	0.53	
			<i>For >2,500 To 5,000, Deduct</i>	-0.53	
			<i>For >5,000, Deduct</i>	-0.96	
32 16 13 19-0010	LF	2'	Wide Valley Gutter, 7" Thick	15.52	
			<i>For Up To 20, Add</i>	6.27	
			<i>For >20 To 50, Add</i>	3.45	
			<i>For >50 To 100, Add</i>	1.41	
			<i>For >500 To 1,000, Deduct</i>	-1.41	
			<i>For >1,000, Deduct</i>	-2.50	
32 16 13 19-0011	LF	2-1/2'	Wide Valley Gutter, 7" Thick	19.21	
			<i>For Up To 20, Add</i>	7.71	
			<i>For >20 To 50, Add</i>	4.24	
			<i>For >50 To 100, Add</i>	1.73	
			<i>For >500 To 1,000, Deduct</i>	-1.73	
			<i>For >1,000, Deduct</i>	-3.08	
32 16 13 19-0012	LF	3'	Wide Valley Gutter, 7" Thick	22.68	
			<i>For Up To 20, Add</i>	8.99	
			<i>For >20 To 50, Add</i>	4.94	
			<i>For >50 To 100, Add</i>	2.03	
			<i>For >500 To 1,000, Deduct</i>	-2.03	
			<i>For >1,000, Deduct</i>	-3.60	
32 16 13 19-0013	LF	3-1/2'	Wide Valley Gutter, 7" Thick	26.24	
			<i>For Up To 20, Add</i>	10.34	
			<i>For >20 To 50, Add</i>	5.68	
			<i>For >50 To 100, Add</i>	2.33	
			<i>For >500 To 1,000, Deduct</i>	-2.33	
			<i>For >1,000, Deduct</i>	-4.15	
32 16 13 19-0014	LF	4'	Wide Valley Gutter, 7" Thick	29.80	
			<i>For Up To 20, Add</i>	11.68	
			<i>For >20 To 50, Add</i>	6.41	
			<i>For >50 To 100, Add</i>	2.63	
			<i>For >500 To 1,000, Deduct</i>	-2.63	
			<i>For >1,000, Deduct</i>	-4.70	
32 16 13 19-0015	LF	5'	Wide Valley Gutter, 7" Thick	35.82	
			<i>For Up To 20, Add</i>	13.60	
			<i>For >20 To 50, Add</i>	7.44	
			<i>For >50 To 100, Add</i>	3.08	
			<i>For >500 To 1,000, Deduct</i>	-3.08	
			<i>For >1,000, Deduct</i>	-5.51	
32 16 13 19-0016	LF	6'	Wide Valley Gutter, 7" Thick	41.66	
			<i>For Up To 20, Add</i>	15.40	
			<i>For >20 To 50, Add</i>	8.41	
			<i>For >50 To 100, Add</i>	3.50	
			<i>For >500 To 1,000, Deduct</i>	-3.50	
			<i>For >1,000, Deduct</i>	-6.29	
32 16 13 19-0017	SF	>6'	Wide Valley Gutter, 7" Thick	6.95	
			<i>For Up To 100, Add</i>	2.57	
			<i>For >100 To 250, Add</i>	1.40	
			<i>For >250 To 500, Add</i>	0.58	
			<i>For >2,500 To 5,000, Deduct</i>	-0.58	
			<i>For >5,000, Deduct</i>	-1.05	
32 16 13 19-0018	LF	2'	Wide Valley Gutter, 8" Thick	13.54	
			<i>For Up To 20, Add</i>	6.05	
			<i>For >20 To 50, Add</i>	3.36	
			<i>For >50 To 100, Add</i>	1.35	
			<i>For >500 To 1,000, Deduct</i>	-1.35	
			<i>For >1,000, Deduct</i>	-2.36	
32 16 13 19-0019	LF	2-1/2'	Wide Valley Gutter, 8" Thick	16.62	
			<i>For Up To 20, Add</i>	7.35	
			<i>For >20 To 50, Add</i>	4.08	
			<i>For >50 To 100, Add</i>	1.64	
			<i>For >500 To 1,000, Deduct</i>	-1.64	
			<i>For >1,000, Deduct</i>	-2.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0020 LF 3' Wide Valley Gutter, 8" Thick	19.67	
For Up To 20, Add	8.62	
For >20 To 50, Add	4.78	
For >50 To 100, Add	1.92	
For >500 To 1,000, Deduct	-1.92	
For >1,000, Deduct	-3.37	
32 16 13 19-0021 LF 3-1/2' Wide Valley Gutter, 8" Thick	22.71	
For Up To 20, Add	9.90	
For >20 To 50, Add	5.48	
For >50 To 100, Add	2.21	
For >500 To 1,000, Deduct	-2.21	
For >1,000, Deduct	-3.88	
32 16 13 19-0022 LF 4' Wide Valley Gutter, 8" Thick	25.76	
For Up To 20, Add	11.17	
For >20 To 50, Add	6.19	
For >50 To 100, Add	2.49	
For >500 To 1,000, Deduct	-2.49	
For >1,000, Deduct	-4.38	
32 16 13 19-0023 LF 5' Wide Valley Gutter, 8" Thick	30.69	
32 16 13 19-0024 LF 6' Wide Valley Gutter, 8" Thick	35.45	
32 16 13 19-0025 SF >6' Wide Valley Gutter, 8" Thick	5.91	
For Up To 100, Add	2.42	
For >100 To 250, Add	1.34	
For >250 To 500, Add	0.54	
For >2,500 To 5,000, Deduct	-0.54	
For >5,000, Deduct	-0.96	
32 16 13 19-0026 City Of Miami Valley Gutter, Cast In Place <small>(32 16 13 19)</small>		
Note: Includes concrete, forms, expansion joints, finish and curing.		
32 16 13 19-0027 LF City Of Miami Replacement, Straight, 7-1/2" x 18" Wide Valley Gutter.....	13.29	
32 16 13 19-0028 LF City Of Miami Replacement, Radiused 7-1/2" x 18" Wide Valley Gutter.....	13.56	
32 16 13 19-0029 LF City Of Miami Replacement, Straight, 7-1/2" x 24" Wide Valley Gutter.....	17.66	
32 16 13 19-0030 LF City Of Miami Replacement, Radiused 7-1/2" x 24" Wide Valley Gutter.....	18.02	
32 16 13 23 Precast Concrete Curbs And Gutters <small>(32 16 13)</small>		
32 16 13 23-0001 Precast Concrete Curb <small>(32 16 13 23)</small>		
32 16 13 23-0002 LF 6" X 18" Precast Concrete Curb	20.33	3.57
32 16 13 23-0003 LF 6" X 18" Precast Concrete Curb, Radius	24.66	4.10
32 16 13 33 Asphalt Curbs <small>(32 16 13)</small>		
32 16 13 33-0001 Asphalt Curbs <small>(32 16 13 33)</small>		
32 16 13 33-0002 LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain.....	6.21	2.18
32 16 13 33-0003 LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain.....	7.05	2.42
32 16 13 33-0004 LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain.....	7.79	2.66
32 16 13 43 Stone Curbs <small>(32 16 13)</small>		
32 16 13 43-0001 Remove And Reset Stone And Precast Curbing <small>(32 16 13 43)</small>		
Note: Includes storage and cleaning.		
32 16 13 43-0002 LF Removal And Resetting Of Stone Or Precast Curbing	13.66	
Note: Includes storage and cleaning.		
32 16 23 Sidewalks <small>(32 16)</small>		
32 16 23 00-0001 City Of Miami Cast In Place Concrete Sidewalk <small>(32 16 23)</small>		
Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, control joints, expansion joints, screed, broom finish, and curing. Includes miscellaneous excavation, base, and base compaction. See CSI section 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0085 for pumping with boom truck, 03 31 13 00-0095 for buggies, 03 31 13 00-0102 for short loads, 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0002 SF City Of Miami New, Straight, 4" (10 cm) Cast In Place Concrete Sidewalk	4.32	
For Up To 100, Add	1.77	
For >100 To 500, Add	0.49	
For >1,000 To 5,000, Deduct	-0.27	
For >5,000, Deduct	-0.63	
32 16 23 00-0003 SF City Of Miami New, Straight, 6" (15 cm) Cast In Place Concrete Sidewalk	5.55	
For Up To 100, Add	2.21	
For >100 To 500, Add	0.61	
For >1,000 To 5,000, Deduct	-0.33	
For >5,000, Deduct	-0.77	
32 16 23 00-0004 SF City Of Miami New, Radiused, 4" (10 cm) Cast In Place Concrete Sidewalk.....	4.50	
For Up To 100, Add	1.86	
For >100 To 500, Add	0.52	
For >1,000 To 5,000, Deduct	-0.29	
For >5,000, Deduct	-0.66	
32 16 23 00-0005 SF City Of Miami New, Radiused, 6" (15 cm) Cast In Place Concrete Sidewalk.....	5.69	
For Up To 100, Add	2.28	
For >100 To 500, Add	0.63	
For >1,000 To 5,000, Deduct	-0.34	
For >5,000, Deduct	-0.80	

32 Exterior Improvements

32 10 Bases, Ballasts, And Paving

32 16 Curbs, Gutters, Sidewalks, And Driveways



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0006 SF City Of Miami Replacement, Straight, 4" (10 cm) Cast In Place Concrete Sidewalk.....	5.40	
For Up To 100, Add	2.31	
For >100 To 500, Add	0.65	
For >1,000 To 5,000, Deduct	-0.38	
For >5,000, Deduct	-0.84	
32 16 23 00-0007 SF City Of Miami Replacement, Straight, 6" (15 cm) Cast In Place Concrete Sidewalk.....	6.62	
For Up To 100, Add	2.74	
For >100 To 500, Add	0.77	
For >1,000 To 5,000, Deduct	-0.44	
For >5,000, Deduct	-0.98	
32 16 23 00-0008 SF City Of Miami Replacement, Radiused, 4" (10 cm) Cast In Place Concrete Sidewalk.....	5.57	
For Up To 100, Add	2.39	
For >100 To 500, Add	0.68	
For >1,000 To 5,000, Deduct	-0.40	
For >5,000, Deduct	-0.88	
32 16 23 00-0009 SF City Of Miami Replacement, Radiused, 6" (15 cm) Cast In Place Concrete Sidewalk.....	6.75	
For Up To 100, Add	2.81	
For >100 To 500, Add	0.79	
For >1,000 To 5,000, Deduct	-0.45	
For >5,000, Deduct	-1.01	
32 16 23 00-0010 EA City Of Miami, For Handicap Drop Section In Sidewalk, Includes 2' x 4' Cast In Place VPC Truncated Dome Warning Surface.....	356.63	
32 16 23 00-0011 LF City Of Miami, 12' Wide Special Concrete Paver Crosswalk.....	99.23	
Note: Includes concrete pavers, sand bedding, 6" reinforced slab and 24" x 7-1/4" concrete edge restraints. Excludes demolition and hauling spoils.		
32 16 23 00-0012 Cast In Place Concrete Sidewalk With Fiber Mesh ^(32 16 23)		
Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, and base compaction. For reinforcing bar, use the modifier "For sidewalk without fiber mesh" and add reinforcing bar. See CSI section 03 31 13 00-0085 for pumping with boom truck, 03 31 13 00-0095 for buggies, 03 31 13 00-0102 for short loads, 32 11 23 16-0001 for base course.		
32 16 23 00-0013 SF 4' Cast In Place Concrete Sidewalk With Fiber Mesh	4.19	
For Up To 100, Add	1.68	
For >100 To 500, Add	0.46	
For >1,000 To 5,000, Deduct	-0.25	
For >5,000, Deduct	-0.59	
For Sidewalk Without Fiber Mesh, Deduct	-0.10	
32 16 23 00-0014 SF 5' Cast In Place Concrete Sidewalk With Fiber Mesh	4.69	
For Up To 100, Add	1.87	
For >100 To 500, Add	0.51	
For >1,000 To 5,000, Deduct	-0.28	
For >5,000, Deduct	-0.65	
For Sidewalk Without Fiber Mesh, Deduct	-0.11	
32 16 23 00-0015 SF 6' Cast In Place Concrete Sidewalk With Fiber Mesh	5.45	
For Up To 100, Add	2.13	
For >100 To 500, Add	0.58	
For >1,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.73	
For Sidewalk Without Fiber Mesh, Deduct	-0.14	
32 16 23 00-0016 SF 7' Cast In Place Concrete Sidewalk With Fiber Mesh	6.45	
For Up To 100, Add	2.45	
For >100 To 500, Add	0.66	
For >1,000 To 5,000, Deduct	-0.34	
For >5,000, Deduct	-0.83	
For Sidewalk Without Fiber Mesh, Deduct	-0.19	
32 16 23 00-0017 SF 8' Cast In Place Concrete Sidewalk With Fiber Mesh	7.02	
For Up To 100, Add	2.65	
For >100 To 500, Add	0.71	
For >1,000 To 5,000, Deduct	-0.36	
For >5,000, Deduct	-0.89	
For Sidewalk Without Fiber Mesh, Deduct	-0.21	
32 16 23 00-0018 SF For Exposed Aggregate Finish In Sidewalk With Fiber Mesh	0.84	
32 16 23 00-0019 LF For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	0.84	
32 16 23 00-0020 EA Finish Concrete Handicap Drop Section In Sidewalk.....	50.36	
Note: Excludes patterned (tactile) finish.		
32 16 23 00-0021 Bituminous Sidewalk ^(32 16 23)		
Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0022 SY 1" Bituminous Sidewalk.....	5.28	
For Up To 100, Add	1.70	
For >100 To 500, Add	0.42	
For >1,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.42	
32 16 23 00-0023 SY 1-1/2" Bituminous Sidewalk	6.73	
For Up To 100, Add	2.13	
For >100 To 500, Add	0.52	
For >1,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.52	
32 16 23 00-0024 SY 2" Bituminous Sidewalk.....	9.74	
For Up To 100, Add	2.99	
For >100 To 500, Add	0.71	
For >1,000 To 5,000, Deduct	-0.22	
For >5,000, Deduct	-0.71	



	Exterior Improvements	32
	Bases, Ballasts, And Paving	32 10
	Curbs, Gutters, Sidewalks, And Driveways	32 16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0025	SY		2-1/2" Bituminous Sidewalk.....	12.22	
			For Up To 100, Add	3.75	
			For >100 To 500, Add	0.89	
			For >1,000 To 5,000, Deduct	-0.28	
			For >5,000, Deduct	-0.89	
32 16 23 00-0026	SY		3" Bituminous Sidewalk.....	14.34	
			For Up To 100, Add	4.34	
			For >100 To 500, Add	1.02	
			For >1,000 To 5,000, Deduct	-0.30	
			For >5,000, Deduct	-1.02	
32 16 23 00-0027	SY		3-1/2" Bituminous Sidewalk.....	16.82	
			For Up To 100, Add	5.03	
			For >100 To 500, Add	1.17	
			For >1,000 To 5,000, Deduct	-0.33	
			For >5,000, Deduct	-1.17	

32 17 Paving Specialties (32 10)

32 17 13 Parking Bumpers (32 17)

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers (32 17 13)

32 17 13 16-0001	EA	4" x 6" x 4'	Recycled Plastic Wheel Stop	52.89	2.17
32 17 13 16-0002	EA	4" x 6" x 6'	Recycled Plastic Wheel Stop	59.91	2.17

32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)

32 17 13 19-0001	EA	6" x 8" x 4'	Precast Concrete Wheel Stop With Dowels.....	26.51	6.53
32 17 13 19-0002	EA	6" x 6" x 6'	Precast Concrete Wheel Stop With Dowels.....	31.18	6.53
32 17 13 19-0003	EA	6" x 8" x 6'	Precast Concrete Wheel Stop With Dowels.....	32.05	6.53
32 17 13 19-0004	EA	6" x 10" x 6'	Precast Concrete Wheel Stop With Dowels.....	33.83	6.53
32 17 13 19-0005	EA	8" x 4-1/2" x 6'	Precast Concrete Wheel Stop With Dowels.....	31.18	6.53
32 17 13 19-0006	EA	8" x 13" x 6'	Precast Concrete Wheel Stop With Dowels.....	41.02	6.53

32 17 13 23 Rubber Parking Bumpers (32 17 13)

32 17 13 23-0001	EA	3'	Recycled Rubber Wheel Stop	19.62	2.17
32 17 13 23-0002	EA	4'	Recycled Rubber Wheel Stop	24.35	2.17
32 17 13 23-0003	EA	5'	Recycled Rubber Wheel Stop	26.23	2.17
32 17 13 23-0004	EA	6'	Recycled Rubber Wheel Stop	29.07	2.17

32 17 13 26 Wood Parking Bumpers (32 17 13)

32 17 13 26-0001	LF	4" x 4"	Timber Barrier With Saddles For Cars, Pressure Treated.....	5.38	0.53
32 17 13 26-0002	LF	6" x 6"	Timber Barriers With Saddle For Trucks, Pressure Treated.....	8.45	0.53

32 17 13 33 Remove And Relocate Parking Bumpers (32 17 13)

32 17 13 33-0001	EA		Removal And Relocation Of Precast Concrete Wheel Stop.....	10.45	
32 17 13 33-0002	EA		Removal And Relocation Of Plastic Or Wood Wheel Stop	6.79	

32 17 16 Speed Bumps (32 17)

32 17 16 00-0001 Speed Bumps (32 17 16)

Note: Excludes pavement markings or reflectors.

32 17 16 00-0002	LF	2-1/4" High x 10-1/2" Wide,	Asphalt Speed Bump	24.99	0.79
32 17 16 00-0003	LF	2-1/4" High x 12" Wide,	Recycled Rubber Speed Bump.....	23.35	0.53
32 17 16 00-0004	LF	2-5/8" High x 12" Wide,	Recycled Plastic Speed Bump.....	35.05	0.53

32 17 23 Pavement Markings (32 17)

See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.

32 17 23 13 Painted Pavement Markings (32 17 23)

32 17 23 13-0001 Painted Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23)

Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.

32 17 23 13-0002 Painted Reflective Pavement Marking (32 17 23 13-0001)

Note: 15 mil thickness.

32 17 23 13-0003	LF	Single 4" Wide Solid Line,	Painted Reflective Pavement Striping.....	0.15	
		For Up To 1 Mile, Add		0.03	
		For >5 Miles, Deduct		-0.02	
		For Broken Line, Deduct		-0.04	
32 17 23 13-0004	LF	Single 6" Wide Solid Line,	Painted Reflective Pavement Striping.....	0.20	
		For Up To 1 Mile, Add		0.04	
		For >5 Miles, Deduct		-0.03	
		For Broken Line, Deduct		-0.06	
32 17 23 13-0005	LF	Single 8" Wide Solid Line,	Painted Reflective Pavement Striping.....	0.26	
		For Up To 1 Mile, Add		0.05	
		For >5 Miles, Deduct		-0.04	
		For Broken Line, Deduct		-0.08	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 17 Paving Specialties



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.36	
		<i>For Up To 1 Mile, Add</i>	0.07	
		<i>For >5 Miles, Deduct</i>	-0.05	
		<i>For Broken Line, Deduct</i>	-0.11	
32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.24	
		<i>For Up To 1 Mile, Add</i>	0.05	
		<i>For >5 Miles, Deduct</i>	-0.04	
		<i>For Broken Line On One Side, Deduct</i>	-0.04	
		<i>For Double Broken Line, Deduct</i>	-0.08	
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.36	
		<i>For Up To 1 Mile, Add</i>	0.07	
		<i>For >5 Miles, Deduct</i>	-0.05	
		<i>For Broken Line On One Side, Deduct</i>	-0.06	
		<i>For Double Broken Line, Deduct</i>	-0.11	
32 17 23 13-0009	SF	Solid Area, Painted Reflective Pavement Striping.....	2.00	
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0010	EA	6" High, Letter/Number, Painted Reflective Pavement Marking.....	1.56	
		<i>For <10, Add</i>	0.19	
		<i>For >50 To 100, Deduct</i>	-0.10	
		<i>For >100 To 200, Deduct</i>	-0.13	
		<i>For >200, Deduct</i>	-0.25	
32 17 23 13-0011	EA	12" High, Letter/Number, Painted Reflective Pavement Marking.....	2.95	
		<i>For <10, Add</i>	0.29	
		<i>For >50 To 100, Deduct</i>	-0.14	
		<i>For >100 To 200, Deduct</i>	-0.19	
		<i>For >200, Deduct</i>	-0.38	
32 17 23 13-0012	EA	24" High, Letter/Number, Painted Reflective Pavement Marking.....	5.01	
		<i>For <10, Add</i>	0.48	
		<i>For >50 To 100, Deduct</i>	-0.24	
		<i>For >100 To 200, Deduct</i>	-0.32	
		<i>For >200, Deduct</i>	-0.64	
32 17 23 13-0013	EA	36" High, Letter/Number, Painted Reflective Pavement Marking.....	9.57	
		<i>For <10, Add</i>	0.95	
		<i>For >50 To 100, Deduct</i>	-0.48	
		<i>For >100 To 200, Deduct</i>	-0.64	
		<i>For >200, Deduct</i>	-1.27	
32 17 23 13-0014	EA	48" High, Letter/Number, Painted Reflective Pavement Marking.....	11.30	
		<i>For <10, Add</i>	1.07	
		<i>For >50 To 100, Deduct</i>	-0.53	
		<i>For >100 To 200, Deduct</i>	-0.71	
		<i>For >200, Deduct</i>	-1.43	
32 17 23 13-0015	EA	72" High, Letter/Number, Painted Reflective Pavement Marking.....	20.30	
		<i>For <10, Add</i>	1.90	
		<i>For >50 To 100, Deduct</i>	-0.95	
		<i>For >100 To 200, Deduct</i>	-1.27	
		<i>For >200, Deduct</i>	-2.54	
32 17 23 13-0016	EA	96" High, Letter/Number, Painted Reflective Pavement Marking.....	27.07	
		<i>For <10, Add</i>	2.56	
		<i>For >50 To 100, Deduct</i>	-1.28	
		<i>For >100 To 200, Deduct</i>	-1.70	
		<i>For >200, Deduct</i>	-3.41	
32 17 23 13-0017	EA	120" High, Letter/Number, Painted Reflective Pavement Marking.....	43.50	
		<i>For <10, Add</i>	3.17	
		<i>For >50 To 100, Deduct</i>	-1.58	
		<i>For >100 To 200, Deduct</i>	-2.11	
		<i>For >200, Deduct</i>	-4.22	
32 17 23 13-0018	EA	Bike Lane Symbol, Painted Reflective Pavement Marking	35.45	
		Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 13-0019	EA	Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	146.40	
		Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 13-0020	EA	Preferential Lane Symbol (Diamond), Painted Reflective Pavement Marking	40.66	
		Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 13-0021	EA	Through Lane Arrow, Painted Reflective Pavement Marking.....	42.32	
		Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0022	EA	Turn Lane Arrow, Painted Reflective Pavement Marking.....	51.70	
		Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0023	EA	Dual Turn Lane Arrow, Painted Reflective Pavement Marking	81.76	
		Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0024	EA	Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	83.93	
		Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0025	EA	Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	116.32	
		Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0026	EA	Elongated Through Lane Arrow, Painted Reflective Pavement Marking.....	34.46	
		Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 13-0027	EA	Elongated Turn Lane Arrow, Painted Reflective Pavement Marking	46.07	
		Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 13-0028	EA	Elongated Dual Turn Lane Arrow, Painted Reflective Pavement Marking	69.27	
		Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 13-0029	EA	Elongated Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	72.16	
		Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 13-0030	EA	Elongated Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	101.97	
		Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 13-0031	EA	Lane-Reduction Arrow, Painted Reflective Pavement Marking.....	91.56	
		Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 13-0032	EA	Wrong-Way Arrow, Painted Reflective Pavement Marking.....	122.82	
		Note: Approximate overall dimensions: 6' width x 24' height.		

32 17 23 13-0033 Epoxy Reflective Pavement Marking (32 17 23 13-0001)
 Note: 15 mil thickness.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0034 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.35	
For 20 Mil Thickness, Add	0.11	
For Up To 1 Mile, Add	0.07	
For >5 Miles, Deduct	-0.05	
For Broken Line, Deduct	-0.19	
32 17 23 13-0035 LF Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.49	
For 20 Mil Thickness, Add	0.16	
For Up To 1 Mile, Add	0.10	
For >5 Miles, Deduct	-0.07	
For Broken Line, Deduct	-0.28	
32 17 23 13-0036 LF Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.60	
For 20 Mil Thickness, Add	0.19	
For Up To 1 Mile, Add	0.12	
For >5 Miles, Deduct	-0.09	
For Broken Line, Deduct	-0.33	
32 17 23 13-0037 LF Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.93	
For 20 Mil Thickness, Add	0.30	
For Up To 1 Mile, Add	0.19	
For >5 Miles, Deduct	-0.14	
For Broken Line, Deduct	-0.54	
32 17 23 13-0038 LF Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.58	
For 20 Mil Thickness, Add	0.19	
For Up To 1 Mile, Add	0.12	
For >5 Miles, Deduct	-0.09	
For Broken Line On One Side, Deduct	-0.18	
For Double Broken Line, Deduct	-0.36	
32 17 23 13-0039 LF Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.84	
For 20 Mil Thickness, Add	0.27	
For Up To 1 Mile, Add	0.17	
For >5 Miles, Deduct	-0.13	
For Broken Line On One Side, Deduct	-0.27	
For Double Broken Line, Deduct	-0.54	
32 17 23 13-0040 SF Solid Area, Epoxy Reflective Pavement Marking.....	3.15	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
For 20 Mil Thickness, Add	0.55	
32 17 23 13-0041 EA 6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	1.79	
For 20 Mil Thickness, Add	0.25	
For <10, Add	0.19	
For >50 To 100, Deduct	-0.10	
For >100 To 200, Deduct	-0.13	
For >200, Deduct	-0.25	
32 17 23 13-0042 EA 12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	3.78	
For 20 Mil Thickness, Add	0.74	
For <10, Add	0.29	
For >50 To 100, Deduct	-0.14	
For >100 To 200, Deduct	-0.19	
For >200, Deduct	-0.38	
32 17 23 13-0043 EA 24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	6.46	
For 20 Mil Thickness, Add	1.29	
For <10, Add	0.48	
For >50 To 100, Deduct	-0.24	
For >100 To 200, Deduct	-0.32	
For >200, Deduct	-0.64	
32 17 23 13-0044 EA 36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	12.12	
For 20 Mil Thickness, Add	2.32	
For <10, Add	0.95	
For >50 To 100, Deduct	-0.48	
For >100 To 200, Deduct	-0.64	
For >200, Deduct	-1.27	
32 17 23 13-0045 EA 48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	14.62	
For 20 Mil Thickness, Add	2.94	
For <10, Add	1.07	
For >50 To 100, Deduct	-0.53	
For >100 To 200, Deduct	-0.71	
For >200, Deduct	-1.43	
32 17 23 13-0046 EA 72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	26.36	
For 20 Mil Thickness, Add	5.35	
For <10, Add	1.90	
For >50 To 100, Deduct	-0.95	
For >100 To 200, Deduct	-1.27	
For >200, Deduct	-2.54	
32 17 23 13-0047 EA 96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	35.04	
For 20 Mil Thickness, Add	7.06	
For <10, Add	2.56	
For >50 To 100, Deduct	-1.28	
For >100 To 200, Deduct	-1.70	
For >200, Deduct	-3.41	
32 17 23 13-0048 EA 120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	61.28	
For 20 Mil Thickness, Add	14.71	
For <10, Add	3.17	
For >50 To 100, Deduct	-1.58	
For >100 To 200, Deduct	-2.11	
For >200, Deduct	-4.22	
32 17 23 13-0049 EA Bike Lane Symbol, Epoxy Reflective Pavement Marking.....	53.80	
Note: Approximate overall dimensions: 4' width x 8' height.		
For 20 Mil Thickness, Add	14.59	
32 17 23 13-0050 EA Railroad Crossing Symbol, Epoxy Reflective Pavement Marking.....	238.16	
Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
For 20 Mil Thickness, Add	71.02	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 17 Paving Specialties

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 17 23 13-0051	EA	Preferential Lane Symbol (Diamond), Epoxy Reflective Pavement Marking.....	61.30
		Note: Approximate overall dimensions: 3' width x 12' height.	
		<i>For 20 Mil Thickness, Add</i>	16.46
32 17 23 13-0052	EA	Through Lane Arrow, Epoxy Reflective Pavement Marking.....	62.39
		Note: Approximate overall dimensions: 3-1/2' width x 10' height.	
		<i>For 20 Mil Thickness, Add</i>	16.18
32 17 23 13-0053	EA	Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	79.23
		Note: Approximate overall dimensions: 6' width x 8' height.	
		<i>For 20 Mil Thickness, Add</i>	21.79
32 17 23 13-0054	EA	Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking	132.23
		Note: Approximate overall dimensions: 11' width x 8' height.	
		<i>For 20 Mil Thickness, Add</i>	39.14
32 17 23 13-0055	EA	Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking	136.11
		Note: Approximate overall dimensions: 7' width x 13' height.	
		<i>For 20 Mil Thickness, Add</i>	40.43
32 17 23 13-0056	EA	Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	193.74
		Note: Approximate overall dimensions: 9' width x 15' height.	
		<i>For 20 Mil Thickness, Add</i>	59.47
32 17 23 13-0057	EA	Elongated Through Lane Arrow, Epoxy Reflective Pavement Marking.....	45.88
		Note: Approximate overall dimensions: 5-1/2' width x 12' height.	
		<i>For 20 Mil Thickness, Add</i>	9.86
32 17 23 13-0058	EA	Elongated Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	66.71
		Note: Approximate overall dimensions: 3' width x 12' height.	
		<i>For 20 Mil Thickness, Add</i>	16.80
32 17 23 13-0059	EA	Elongated Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking	89.22
		Note: Approximate overall dimensions: 5-1/2' width x 12' height.	
		<i>For 20 Mil Thickness, Add</i>	23.88
32 17 23 13-0060	EA	Elongated Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking	92.01
		Note: Approximate overall dimensions: 3-1/2' width x 20' height.	
		<i>For 20 Mil Thickness, Add</i>	24.81
32 17 23 13-0061	EA	Elongated Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	165.05
		Note: Approximate overall dimensions: 3-1/2' width x 20' height.	
		<i>For 20 Mil Thickness, Add</i>	48.91
32 17 23 13-0062	EA	Lane-Reduction Arrow, Epoxy Reflective Pavement Marking.....	146.85
		Note: Approximate overall dimensions: 5-1/2' width x 18' height.	
		<i>For 20 Mil Thickness, Add</i>	43.51
32 17 23 13-0063	EA	Wrong-Way Arrow, Epoxy Reflective Pavement Marking	140.94
		Note: Approximate overall dimensions: 6' width x 24' height.	
		<i>For 20 Mil Thickness, Add</i>	41.87
32 17 23 13-0064		Painted Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)	
32 17 23 13-0065		Painted Pavement Marking For Parking Areas (32 17 23 13-0064)	
32 17 23 13-0066	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.54
32 17 23 13-0067	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.59
32 17 23 13-0068	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.63
32 17 23 13-0069	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.74
32 17 23 13-0070	SF	Solid Area, Painted Pavement Marking For Parking Areas.....	2.01
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	
32 17 23 13-0071	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	1.51
		<i>For Up To 10, Add</i>	0.18
		<i>For >50 To 100, Deduct</i>	-0.09
		<i>For >100 To 200, Deduct</i>	-0.12
		<i>For >200, Deduct</i>	-0.25
32 17 23 13-0072	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	2.86
		<i>For Up To 10, Add</i>	0.28
		<i>For >50 To 100, Deduct</i>	-0.14
		<i>For >100 To 200, Deduct</i>	-0.19
		<i>For >200, Deduct</i>	-0.37
32 17 23 13-0073	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	4.86
		<i>For Up To 10, Add</i>	0.46
		<i>For >50 To 100, Deduct</i>	-0.23
		<i>For >100 To 200, Deduct</i>	-0.31
		<i>For >200, Deduct</i>	-0.62
32 17 23 13-0074	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	8.96
		<i>For Up To 10, Add</i>	0.88
		<i>For >50 To 100, Deduct</i>	-0.44
		<i>For >100 To 200, Deduct</i>	-0.59
		<i>For >200, Deduct</i>	-1.17
32 17 23 13-0075	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	11.59
		<i>For Up To 10, Add</i>	1.20
		<i>For >50 To 100, Deduct</i>	-0.60
		<i>For >100 To 200, Deduct</i>	-0.80
		<i>For >200, Deduct</i>	-1.60
32 17 23 13-0076	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	13.91
		<i>For Up To 10, Add</i>	1.48
		<i>For >50 To 100, Deduct</i>	-0.74
		<i>For >100 To 200, Deduct</i>	-0.99
		<i>For >200, Deduct</i>	-1.97
32 17 23 13-0077	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	19.71
		<i>For Up To 10, Add</i>	1.85
		<i>For >50 To 100, Deduct</i>	-0.93
		<i>For >100 To 200, Deduct</i>	-1.23
		<i>For >200, Deduct</i>	-2.47
32 17 23 13-0078	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	41.49
		Note: Approximate overall dimensions: 3-1/2' width x 10' height.	
32 17 23 13-0079	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	50.57
		Note: Approximate overall dimensions: 6' width x 8' height.	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 'Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas', 'Painted Curbs', 'Markings For Outdoor Play Areas, Courts', 'FDOT Approved Traffic Paint Minimum Charge', 'Raised Pavement Markings', 'Snowplowable Pavement Markers', and 'Plastic Pavement Markings'.

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 17 Paving Specialties



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 17 23 33-0006	LF	Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	2.40	
		For Up To 1 Mile, Add	0.48	
		For >5 Miles, Deduct	-0.36	
		For 60 mils Thick, Deduct	-0.37	
		For 125 mils Thick, Add	0.48	
		For Broken Line, Deduct	-1.59	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	1.62	
		For Up To 1 Mile, Add	0.32	
		For >5 Miles, Deduct	-0.24	
		For 60 mils Thick, Deduct	-0.25	
		For 125 mils Thick, Add	0.32	
		For Broken Line On One Side, Deduct	-0.53	
		For Double Broken Line, Deduct	-1.06	
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	2.40	
		For Up To 1 Mile, Add	0.48	
		For >5 Miles, Deduct	-0.36	
		For 60 mils Thick, Deduct	-0.37	
		For 125 mils Thick, Add	0.48	
		For Broken Line On One Side, Deduct	-0.80	
		For Double Broken Line, Deduct	-1.59	
32 17 23 33-0009	SF	Solid Area, Thermoplastic Reflective Pavement Marking	3.96	
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
		For 60 mils Thick, Deduct	-0.37	
		For 125 mils Thick, Add	0.47	
32 17 23 33-0010	EA	6" High, Letter/Number, Thermoplastic Reflective Pavement Marking	2.46	
		For Up To 10, Add	0.21	
		For >50 To 100, Deduct	-0.10	
		For >100 To 200, Deduct	-0.14	
		For >200, Deduct	-0.28	
		For 60 mils Thick, Deduct	-0.19	
		For 125 mils Thick, Add	0.24	
32 17 23 33-0011	EA	12" High, Letter/Number, Thermoplastic Reflective Pavement Marking	5.98	
		For Up To 10, Add	0.32	
		For >50 To 100, Deduct	-0.16	
		For >100 To 200, Deduct	-0.21	
		For >200, Deduct	-0.42	
		For 60 mils Thick, Deduct	-0.68	
		For 125 mils Thick, Add	0.87	
32 17 23 33-0012	EA	24" High, Letter/Number, Thermoplastic Reflective Pavement Marking	10.27	
		For Up To 10, Add	0.52	
		For >50 To 100, Deduct	-0.26	
		For >100 To 200, Deduct	-0.35	
		For >200, Deduct	-0.70	
		For 60 mils Thick, Deduct	-1.19	
		For 125 mils Thick, Add	1.53	
32 17 23 33-0013	EA	36" High, Letter/Number, Thermoplastic Reflective Pavement Marking	18.93	
		For Up To 10, Add	1.05	
		For >50 To 100, Deduct	-0.53	
		For >100 To 200, Deduct	-0.70	
		For >200, Deduct	-1.40	
		For 60 mils Thick, Deduct	-2.09	
		For 125 mils Thick, Add	2.68	
32 17 23 33-0014	EA	48" High, Letter/Number, Thermoplastic Reflective Pavement Marking	23.34	
		For Up To 10, Add	1.18	
		For >50 To 100, Deduct	-0.59	
		For >100 To 200, Deduct	-0.78	
		For >200, Deduct	-1.57	
		For 60 mils Thick, Deduct	-2.71	
		For 125 mils Thick, Add	3.49	
32 17 23 33-0015	EA	72" High, Letter/Number, Thermoplastic Reflective Pavement Marking	42.27	
		For Up To 10, Add	2.09	
		For >50 To 100, Deduct	-1.05	
		For >100 To 200, Deduct	-1.40	
		For >200, Deduct	-2.79	
		For 60 mils Thick, Deduct	-4.96	
		For 125 mils Thick, Add	6.37	
32 17 23 33-0016	EA	96" High, Letter/Number, Thermoplastic Reflective Pavement Marking	56.01	
		For Up To 10, Add	2.81	
		For >50 To 100, Deduct	-1.41	
		For >100 To 200, Deduct	-1.87	
		For >200, Deduct	-3.75	
		For 60 mils Thick, Deduct	-6.52	
		For 125 mils Thick, Add	8.39	
32 17 23 33-0017	EA	120" High, Letter/Number, Thermoplastic Reflective Pavement Marking.....	106.39	
		For Up To 10, Add	3.48	
		For >50 To 100, Deduct	-1.74	
		For >100 To 200, Deduct	-2.32	
		For >200, Deduct	-4.64	
		For 60 mils Thick, Deduct	-14.56	
		For 125 mils Thick, Add	18.72	
32 17 23 33-0018	EA	Bike Lane Symbol, Thermoplastic Reflective Pavement Marking	97.36	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For 60 mils Thick, Deduct	-14.88	
		For 125 mils Thick, Add	19.13	
32 17 23 33-0019	EA	Railroad Crossing Symbol, Thermoplastic Reflective Pavement Marking.....	455.94	
		Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
		For 60 mils Thick, Deduct	-74.39	
		For 125 mils Thick, Add	95.64	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 'Preferential Lane Symbol (Diamond)', 'Through Lane Arrow', 'Turn Lane Arrow', etc., with associated costs and adjustments.

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 17 23 33-0044	LF	Single 6" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	2.80
		<i>For Up To 1 Mile, Add</i>	0.56
		<i>For >5 Miles, Deduct</i>	-0.42
32 17 23 33-0045	LF	Single 8" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	3.73
		<i>For Up To 1 Mile, Add</i>	0.75
		<i>For >5 Miles, Deduct</i>	-0.56
32 17 23 33-0046	LF	Single 12" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	5.54
		<i>For Up To 1 Mile, Add</i>	1.11
		<i>For >5 Miles, Deduct</i>	-0.83
32 17 23 33-0047	SF	Preformed Solid Area, Patterned Thermoplastic Reflective Pavement Marking Tape	13.92
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	
32 17 23 33-0048	EA	6" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	20.89
		<i>For <10, Add</i>	0.38
		<i>For >50 To 100, Deduct</i>	-0.19
		<i>For >100 To 200, Deduct</i>	-0.25
		<i>For >200, Deduct</i>	-0.51
32 17 23 33-0049	EA	12" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	38.16
		<i>For <10, Add</i>	0.48
		<i>For >50 To 100, Deduct</i>	-0.24
		<i>For >100 To 200, Deduct</i>	-0.32
		<i>For >200, Deduct</i>	-0.64
32 17 23 33-0050	EA	24" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	64.71
		<i>For <10, Add</i>	0.95
		<i>For >50 To 100, Deduct</i>	-0.48
		<i>For >100 To 200, Deduct</i>	-0.64
		<i>For >200, Deduct</i>	-1.27
32 17 23 33-0051	EA	36" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	89.84
		<i>For <10, Add</i>	1.91
		<i>For >50 To 100, Deduct</i>	-0.95
		<i>For >100 To 200, Deduct</i>	-1.27
		<i>For >200, Deduct</i>	-2.54
32 17 23 33-0052	EA	48" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	105.96
		<i>For <10, Add</i>	2.14
		<i>For >50 To 100, Deduct</i>	-1.07
		<i>For >100 To 200, Deduct</i>	-1.43
		<i>For >200, Deduct</i>	-2.85
32 17 23 33-0053	EA	72" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	128.45
		<i>For <10, Add</i>	3.81
		<i>For >50 To 100, Deduct</i>	-1.90
		<i>For >100 To 200, Deduct</i>	-2.54
		<i>For >200, Deduct</i>	-5.07
32 17 23 33-0054	EA	96" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	162.03
		<i>For <10, Add</i>	5.11
		<i>For >50 To 100, Deduct</i>	-2.56
		<i>For >100 To 200, Deduct</i>	-3.41
		<i>For >200, Deduct</i>	-6.81
32 17 23 33-0055	EA	120" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	203.59
		<i>For <10, Add</i>	6.33
		<i>For >50 To 100, Deduct</i>	-3.17
		<i>For >100 To 200, Deduct</i>	-4.22
		<i>For >200, Deduct</i>	-8.44
32 17 23 33-0056	SF	Preformed Arrow, Patterned Thermoplastic Reflective Pavement Marking Tape	14.17
32 17 23 33-0057	SF	Preformed Symbol, Patterned Thermoplastic Reflective Pavement Marking Tape	14.63
		Note: Handicap, railroad, diamond symbol, etc.	
32 17 23 33-0058	LF	City Of Miami Preformed Reflectorized 9'-10" Straight Traffic Arrow	127.28
		<i>For 1/3 Size, Deduct</i>	-76.37
32 17 23 33-0059	LF	City Of Miami Preformed Reflectorized 8'-2" Turning Traffic Arrow	139.32
		<i>For 1/3 Size, Deduct</i>	-83.59
32 17 23 33-0060	LF	City Of Miami Preformed Reflectorized 13'-1" Combined Straight And Turning Traffic Arrow	226.84
		<i>For 1/3 Size, Deduct</i>	-136.10

32 17 23 33-0061 Preformed, Thermoplastic Reflective Pavement Marking (32 17 23 33-0001)

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0062	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	103.60
		Note: Approximate overall dimensions: 4' width x 8' height.	
32 17 23 33-0063	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	274.52
		Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	
32 17 23 33-0064	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	56.00
		Note: Approximate overall dimensions: 3-1/4' width x 13' height.	
32 17 23 33-0065	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	47.82
		Note: Approximate overall dimensions: 2' width x 6' height.	
32 17 23 33-0066	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	90.94
		Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	
32 17 23 33-0067	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	55.04
		Note: Approximate overall dimensions: 3' width x 4' height.	
32 17 23 33-0068	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	100.97
		Note: Approximate overall dimensions: 6' width x 8' height.	
32 17 23 33-0069	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	171.06
		Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	
32 17 23 33-0070	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	256.37
		Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	
32 17 23 33-0071	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	93.97
		Note: Approximate overall dimensions: 1-2/3' width x 12' height.	
32 17 23 33-0072	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	104.00
		Note: Approximate overall dimensions: 3' width x 12' height.	
32 17 23 33-0073	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	189.48
		Note: Approximate overall dimensions: 5-1/2' width x 12' height.	



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Paving Specialties	32 17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0074	EA		Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 174.46 Note: Approximate overall dimensions: 3-1/2' width x 20' height.	174.46	
32 17 23 33-0075	EA		Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 175.38 Note: Approximate overall dimensions: 5-1/2' width x 20' height.	175.38	
32 17 23 33-0076	EA		Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 239.61 Note: Approximate overall dimensions: 5-1/2' width x 18' height.	239.61	
32 17 23 33-0077	EA		City of Miami 9C-9 Shared Lane Marking, Bicycle And Arrows, Thermoplastic Reflective Pavement Marking Tape 111.49	111.49	
32 17 23 33-0078	EA		City of Miami 9C-9 Shared Lane Marking, Bicycle Only, Thermoplastic Reflective Pavement Marking Tape 93.19	93.19	
32 17 23 33-0079	EA		City of Miami 9C-7 Bicycle Detector Pavement Marking, Thermoplastic Reflective Pavement Marking Tape..... 53.67	53.67	
32 17 23 33-0080			Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas <i>(32 17 23 33)</i>		
32 17 23 33-0081			Thermoplastic Pavement Marking Tape For Parking Areas <i>(32 17 23 33-0080)</i> Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0082	EA		28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 35.87 Note: White or blue symbol. Excludes striping.	35.87	
32 17 23 33-0083	EA		39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 131.50 Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	131.50	
32 17 23 33-0084	EA		40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 75.12 Note: White symbol on blue background. Excludes striping.	75.12	
32 17 23 33-0085	EA		45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 90.04 Note: White symbol on blue background. Excludes striping.	90.04	
32 17 23 33-0086	EA		48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 94.33 Note: White symbol on blue background. Excludes striping.	94.33	
32 17 23 33-0087			Thermoplastic With Glass Beads Minimum Charge <i>(32 17 23 33)</i>		
32 17 23 33-0088	EA		Thermoplastic With Glass Beads Minimum Charge..... 2,140.00 Note: For projects where the total thermoplastic with glass beads charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,140.00	
32 17 26			Tactile Warning Surfaces <i>(32 17)</i>		
32 17 26 00-0001			Vitrified Polymer Composite (VPC); (Armor Tile) <i>(32 17 26)</i> Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF		Surface Applied VPC Truncated Dome Detectable Warning Surface..... 42.39 Note: Includes surface preparation, adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	42.39	3.15
32 17 26 00-0003	SF		Cast In Place VPC Truncated Dome Detectable Warning Surface..... 38.29 Note: Also raised strips or directional bars. All colors.	38.29	3.15
32 18			Athletic And Recreational Surfacing <i>(32 10)</i>		
32 18 16			Synthetic Resilient Surfacing <i>(32 18)</i>		
32 18 16 13			Playground Protective Surfacing <i>(32 18 16)</i>		
32 18 16 13-0001			Tile Playground Surface Material <i>(32 18 16 13)</i> Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF		1-3/4" Thick, Resilient Rubber Tile..... 9.71 <i>For Manufacturer's Standard Colors, Add 0.67</i> <i>For Interlocking Tiles, Add 1.50</i> <i>For Mechanically Fastened, Add 0.84</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50</i>	9.71	0.74
32 18 16 13-0003	SF		2" Thick, Resilient Rubber Tile..... 9.85 <i>For Manufacturer's Standard Colors, Add 0.67</i> <i>For Interlocking Tiles, Add 1.50</i> <i>For Mechanically Fastened, Add 0.87</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50</i>	9.85	0.79
32 18 16 13-0004	SF		2-1/4" Thick, Resilient Rubber Tile..... 10.12 <i>For Manufacturer's Standard Colors, Add 0.67</i> <i>For Interlocking Tiles, Add 1.50</i> <i>For Mechanically Fastened, Add 0.93</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50</i>	10.12	0.87
32 18 16 13-0005	SF		2-1/2" Thick, Resilient Rubber Tile..... 10.40 <i>For Manufacturer's Standard Colors, Add 0.67</i> <i>For Interlocking Tiles, Add 1.50</i> <i>For Mechanically Fastened, Add 0.98</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50</i>	10.40	0.97
32 18 16 13-0006	SF		2-3/4" Thick, Resilient Rubber Tile..... 11.65 <i>For Manufacturer's Standard Colors, Add 0.51</i> <i>For Interlocking Tiles, Add 1.69</i> <i>For Mechanically Fastened, Add 1.04</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50</i>	11.65	1.06
32 18 16 13-0007	SF		3" Thick, Resilient Rubber Tile..... 11.95 <i>For Manufacturer's Standard Colors, Add 0.51</i> <i>For Interlocking Tiles, Add 1.69</i> <i>For Mechanically Fastened, Add 1.10</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50</i>	11.95	1.16

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0008	SF		3-1/4" Thick, Resilient Rubber Tile.....	12.28	1.27
			<i>For Manufacturer's Standard Colors, Add</i>	0.51	
			<i>For Interlocking Tiles, Add</i>	1.69	
			<i>For Mechanically Fastened, Add</i>	1.16	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0009	SF		3-1/2" Thick, Resilient Rubber Tile.....	13.55	1.36
			<i>For Manufacturer's Standard Colors, Add</i>	0.28	
			<i>For Interlocking Tiles, Add</i>	1.89	
			<i>For Mechanically Fastened, Add</i>	1.22	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0010	SF		3-3/4" Thick, Resilient Rubber Tile.....	13.82	1.47
			<i>For Manufacturer's Standard Colors, Add</i>	0.28	
			<i>For Interlocking Tiles, Add</i>	1.89	
			<i>For Mechanically Fastened, Add</i>	1.28	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0011	SF		4" Thick, Resilient Rubber Tile.....	14.13	1.55
			<i>For Manufacturer's Standard Colors, Add</i>	0.28	
			<i>For Interlocking Tiles, Add</i>	1.89	
			<i>For Mechanically Fastened, Add</i>	1.34	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0012	SF		4-1/2" Thick, Resilient Rubber Tile.....	16.33	1.75
			<i>For Manufacturer's Standard Colors, Add</i>	0.28	
			<i>For Interlocking Tiles, Add</i>	2.21	
			<i>For Mechanically Fastened, Add</i>	1.45	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0013			Loose Laid Playground Surface Material <small>(32 18 16 13)</small>		
			Note: Excludes sub base.		
32 18 16 13-0014	SF		3" Loose Laid Wood Fiber Safety Surface	0.70	0.11
32 18 16 13-0015	SF		6" Loose Laid Wood Fiber Safety Surface	0.97	0.14
32 18 16 13-0016	SF		9" Loose Laid Wood Fiber Safety Surface	1.27	0.16
32 18 16 13-0017	SF		12" Loose Laid Wood Fiber Safety Surface	1.80	0.25
32 18 16 13-0018	SF		3" Loose Laid Synthetic Fiber Safety Surface.....	1.65	0.11
32 18 16 13-0019	SF		6" Loose Laid Synthetic Fiber Safety Surface.....	2.03	0.14
32 18 16 13-0020	SF		9" Loose Laid Synthetic Fiber Safety Surface.....	3.42	0.16
32 18 16 13-0021	SF		12" Loose Laid Synthetic Fiber Safety Surface.....	4.09	0.25
32 18 16 13-0022	SF		8" FIBAR System	7.59	0.42
			Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023	SF		12" FIBAR System	9.47	0.55
			Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
32 18 16 13-0024			Poured In Place Playground Surfacing <small>(32 18 16 13)</small>		
			Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025	SF		Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing	7.29	0.96
			<i>For Up To 2,000, Add</i>	1.33	
			<i>For >2,000 To 3,000, Add</i>	0.94	
			<i>For >3,000 To 4,000, Add</i>	0.65	
			<i>For >4,000 To 5,000, Add</i>	0.41	
			<i>For >5,000 To 7,000, Add</i>	0.17	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.34	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.31	
32 18 16 13-0026	SF		5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing	7.52	1.06
			<i>For Up To 2,000, Add</i>	1.38	
			<i>For >2,000 To 3,000, Add</i>	0.97	
			<i>For >3,000 To 4,000, Add</i>	0.67	
			<i>For >4,000 To 5,000, Add</i>	0.43	
			<i>For >5,000 To 7,000, Add</i>	0.18	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.34	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.31	
32 18 16 13-0027	SF		6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing	8.11	1.22
			<i>For Up To 2,000, Add</i>	1.48	
			<i>For >2,000 To 3,000, Add</i>	1.05	
			<i>For >3,000 To 4,000, Add</i>	0.72	
			<i>For >4,000 To 5,000, Add</i>	0.46	
			<i>For >5,000 To 7,000, Add</i>	0.19	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.34	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.31	
32 18 16 13-0028	SF		7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing	8.76	1.29
			<i>For Up To 2,000, Add</i>	1.60	
			<i>For >2,000 To 3,000, Add</i>	1.14	
			<i>For >3,000 To 4,000, Add</i>	0.78	
			<i>For >4,000 To 5,000, Add</i>	0.50	
			<i>For >5,000 To 7,000, Add</i>	0.21	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.34	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.31	
32 18 16 13-0029	SF		8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing	9.41	1.36
			<i>For Up To 2,000, Add</i>	1.72	
			<i>For >2,000 To 3,000, Add</i>	1.22	
			<i>For >3,000 To 4,000, Add</i>	0.83	
			<i>For >4,000 To 5,000, Add</i>	0.53	
			<i>For >5,000 To 7,000, Add</i>	0.22	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.34	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.31	



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Athletic And Recreational Surfacing	32 18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0030 SF 9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing	9.96	1.43
For Up To 2,000, Add	1.82	
For >2,000 To 3,000, Add	1.29	
For >3,000 To 4,000, Add	0.88	
For >4,000 To 5,000, Add	0.56	
For >5,000 To 7,000, Add	0.24	
For Aliphatic (Non Yellowing) Binder, Add	2.34	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0031 SF 10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing.....	10.62	1.51
For Up To 2,000, Add	1.95	
For >2,000 To 3,000, Add	1.38	
For >3,000 To 4,000, Add	0.94	
For >4,000 To 5,000, Add	0.60	
For >5,000 To 7,000, Add	0.25	
For Aliphatic (Non Yellowing) Binder, Add	2.34	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0032 SF 12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing.....	11.90	1.70
For Up To 2,000, Add	2.18	
For >2,000 To 3,000, Add	1.54	
For >3,000 To 4,000, Add	1.05	
For >4,000 To 5,000, Add	0.67	
For >5,000 To 7,000, Add	0.28	
For Aliphatic (Non Yellowing) Binder, Add	2.34	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0033 SF Top Only (1/2") Poured In Place Playground Surfacing.....	4.76	
Note: Not used with new surfacing system tasks.		
For Up To 2,000, Add	1.30	
For >2,000 To 3,000, Add	0.85	
For >3,000 To 4,000, Add	0.52	
For >4,000 To 5,000, Add	0.31	
For >5,000 To 7,000, Add	0.14	
For Aliphatic (Non Yellowing) Binder, Add	2.34	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.31	
32 18 16 13-0034 EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	941.59	
32 18 23 Athletic Surfacing (32 18)		
32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)		
32 18 23 29-0001 Synthetic Field Sport Surfacing (32 18 23 29)		
32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001) Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) (32 18 23 29-0002)		
32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)		
32 18 23 29-0005 SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	4.26	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0006 EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	15,042.46	
32 18 23 29-0007 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	12,261.02	
32 18 23 29-0008 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	3,689.66	
Note: Per sport.		
32 18 23 29-0009 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields	1,362.34	
Note: Per letter. Excludes outline.		
32 18 23 29-0010 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,305.57	
Note: Per endzone.		
32 18 23 29-0011 EA Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields	11,352.80	
Note: Block letter.		
32 18 23 29-0012 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields	16,461.56	
Note: Graphic.		
32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) (32 18 23 29-0003)		
32 18 23 29-0014 SF 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	4.85	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0015 EA Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	15,326.37	
32 18 23 29-0016 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	12,715.21	
32 18 23 29-0017 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	3,973.50	
Note: Per sport.		
32 18 23 29-0018 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields	1,475.87	
Note: Per letter. Excludes outline.		
32 18 23 29-0019 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,362.34	
Note: Per endzone.		
32 18 23 29-0020 EA Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields	11,920.51	
Note: Block letter.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.	17,284.74
32 18 23 29-0022		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) <small>(32 18 23 29-0003)</small>	
32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45) <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	4.97 0.10 0.26 0.31 0.36
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	15,610.19
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	13,736.97
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields..... Note: Per sport.	4,257.33
32 18 23 29-0027	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields	1,589.40
32 18 23 29-0028	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields..... Note: Per endzone.	1,419.11
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields	12,488.15
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.	18,107.82
32 18 23 29-0031		Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small>	
32 18 23 29-0032		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small>	
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52) <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	5.78 0.10 0.20 0.25 0.30
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	16,177.74
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	17,256.26
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Per sport.	4,824.94
32 18 23 29-0037	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Per letter. Excludes outline.	1,816.45
32 18 23 29-0038	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Per endzone.	1,532.63
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Block letter.	13,623.36
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.	19,753.87
32 18 23 29-0041		60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) <small>(32 18 23 29-0031)</small>	
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60) <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	6.03 0.10 0.20 0.25 0.30
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	16,461.56
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	19,186.23
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per sport.	5,108.76
32 18 23 29-0046	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per letter. Excludes outline.	1,929.98
32 18 23 29-0047	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per endzone.	1,589.39
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Block letter.	14,191.00
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	20,576.95
32 18 23 29-0050		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) <small>(32 18 23 29-0031)</small>	
32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52) <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	6.05 0.10 0.20 0.25 0.30
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	16,745.38
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	19,299.76
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Per sport.	5,392.58



Exterior Improvements		32
Bases, Ballasts, And Paving		32 10
Athletic And Recreational Surfacing		32 18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0055 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields.....	2,043.50	
Note: Per letter. Excludes outline.		
32 18 23 29-0056 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields.....	1,646.16	
Note: Per endzone.		
32 18 23 29-0057 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	14,758.64	
Note: Block letter.		
32 18 23 29-0058 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	21,400.03	
Note: Graphic.		
32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) (32 18 23 29-0031)		
32 18 23 29-0060 SF 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60).....	6.19	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0061 EA Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	17,029.20	
32 18 23 29-0062 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	20,548.57	
32 18 23 29-0063 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	5,676.40	
Note: Per sport.		
32 18 23 29-0064 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields.....	2,270.56	
Note: Per letter. Excludes outline.		
32 18 23 29-0065 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields.....	1,702.92	
Note: Per endzone.		
32 18 23 29-0066 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	15,326.28	
Note: Block letter.		
32 18 23 29-0067 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	22,223.11	
Note: Graphic.		
32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) (32 18 23 29-0002)		
32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) (32 18 23 29-0068)		
32 18 23 29-0070 SF 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38).....	4.59	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0071 EA Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	14,474.91	
32 18 23 29-0072 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	10,671.70	
32 18 23 29-0073 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	3,122.04	
Note: Per sport.		
32 18 23 29-0074 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,135.29	
Note: Per letter. Excludes outline.		
32 18 23 29-0075 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,192.05	
Note: Per endzone.		
32 18 23 29-0076 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	10,217.58	
Note: Block letter.		
32 18 23 29-0077 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	14,815.49	
Note: Graphic.		
32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) (32 18 23 29-0068)		
32 18 23 29-0079 SF 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42).....	4.07	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0080 EA Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	14,758.64	
32 18 23 29-0081 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	11,352.80	
32 18 23 29-0082 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	3,405.84	
Note: Per sport.		
32 18 23 29-0083 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,248.81	
Note: Per letter. Excludes outline.		
32 18 23 29-0084 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,248.81	
Note: Per endzone.		
32 18 23 29-0085 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	10,785.16	
Note: Block letter.		
32 18 23 29-0086 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	15,638.48	
Note: Graphic.		
32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)		
32 18 23 29-0088 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	9.55	
32 18 23 29-0089 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	8.39	
32 18 23 29-0090 EA Football Markings For AstroTurf® PureGrass® Fields.....	28,009.33	
32 18 23 29-0091 EA Baseball Markings For AstroTurf® PureGrass® Fields.....	33,276.04	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0092	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields Note: Per sport.	8,139.46	
32 18 23 29-0093	EA		Endzone Lettering For AstroTurf® PureGrass® Fields Note: Per letter. Excludes outline.	3,112.15	
32 18 23 29-0094	EA		Colored Endzone For AstroTurf® PureGrass® Fields Note: Per endzone.	2,310.05	
32 18 23 29-0095	EA		Simple Logo For AstroTurf® PureGrass® Fields Note: Block letter.	20,790.43	
32 18 23 29-0096	EA		Deluxe Logo For AstroTurf® PureGrass® Fields Note: Graphic.	30,522.99	
32 18 23 29-0097			Synthetic Turf (G9 Turf) <small>(32 18 23 29-0001)</small> Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF		2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	4.87	
			<i>For >35,000, Deduct</i>	-0.41	
32 18 23 29-0099	SF		2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	4.81	
			<i>For >35,000, Deduct</i>	-0.41	
32 18 23 29-0100	SF		1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	5.06	
32 18 23 29-0101	EA		Football Inlays For G9 Synthetic Turf Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	38,719.97	
32 18 23 29-0102	EA		Soccer Inlays For G9 Synthetic Turf 16,778.65		
32 18 23 29-0103	EA		Boys Lacrosse Inlays For G9 Synthetic Turf 16,778.65		
32 18 23 29-0104	EA		Girls Lacrosse Inlays For G9 Synthetic Turf 16,778.65		
32 18 23 29-0105	EA		Field Hockey Inlays For G9 Synthetic Turf 16,778.65		
32 18 23 29-0106	EA		Endzone Lettering For G9 Synthetic Turf Note: Priced per letter. Includes single color outlining.	1,936.00	
32 18 23 29-0107	SF		Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf 1.81		
32 18 23 29-0108	SF		Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf 4.73		
32 18 23 29-0109	SF		Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf 1.35		
32 18 23 29-0110	SF		Sand Infill For G9 Synthetic Turf 0.68		
32 18 23 29-0111	SF		Acrylic Coated Sand Infill For G9 Synthetic Turf 1.12		
32 18 23 29-0112	EA		Gmax Compaction And Hardness Test For G9 Synthetic Turf Note: Includes a comprehensive report.	1,290.67	
32 18 23 29-0113	EA		Safety Bridge Over Track For G9 Synthetic Turf 12,906.66		
32 18 23 29-0114	SF		Clean And Groom Synthetic Turf Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	0.42	
			<i>For >10,000 To 30,000, Deduct</i>	-0.17	
			<i>For >30,000 To 60,000, Deduct</i>	-0.29	
			<i>For >60,000, Deduct</i>	-0.32	
32 18 23 29-0115	SF		Rejuvenate Synthetic Turf And Reinstall Existing Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	2.89	
32 18 23 29-0116	SF		Rejuvenate Synthetic Turf For Installation Of New Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	3.22	
32 18 23 29-0117	SF		Drainage Layer For G9 Synthetic Turf Note: Used for drainage over asphalt or on roof tops.	2.64	
32 18 23 29-0118	SF		15 mm, Shock Pad For G9 Synthetic Turf Note: Used for additional Gmax for a stone base field.	1.62	
32 18 23 29-0119	EA		Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf Note: Includes field inspection and report.	2,572.20	
32 18 23 29-0120	LF		Repair Inlay Lines Or Seams On G9 Synthetic Turf Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	7.07	
32 18 23 29-0121	LF		Nailer Used To Attach G9 Synthetic Turf 2.83		
32 18 23 29-0122	SF		Removal And Recycling Of Existing Field Note: Includes removal, shipping and recycling of infill, fibers and backing.	1.99	
32 18 23 29-0123			Synthetic Turf (XGrass®) <small>(32 18 23 29-0001)</small> Note: Includes labor, equipment and material required to install the task. Excludes site preparation, drainage and removal of foreign debris.		
32 18 23 29-0124			Tufted Polyethylene Synthetic Turf (XGrass® PET) <small>(32 18 23 29-0123)</small>		
32 18 23 29-0125			1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET) <small>(32 18 23 29-0124)</small>		
32 18 23 29-0126	SF		Up To 5,000 SF, 1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET) <i>For Base And Nailer Board Installation, Add</i>	8.80 2.00	
32 18 23 29-0127	SF		>5,000 To 10,000 SF, 1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET) <i>For Base And Nailer Board Installation, Add</i>	7.70 2.00	
32 18 23 29-0128	SF		>10,000 SF, 1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET) <i>For Base And Nailer Board Installation, Add</i>	6.88 1.25	
32 18 23 29-0129			Tufted Polyethylene Synthetic Turf With Pad (XGrass® Play) <small>(32 18 23 29-0123)</small>		



Exterior Improvements		32
Bases, Ballasts, And Paving		32 10
Athletic And Recreational Surfacing		32 18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0130			1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play) (32 18 23 29-0129)		
32 18 23 29-0131	SF		Up To 5,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play)	8.80	
			<i>For Base And Nailer Board Installation, Add</i>	2.00	
32 18 23 29-0132	SF		>5,000 To 10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play)	7.70	
			<i>For Base And Nailer Board Installation, Add</i>	2.00	
32 18 23 29-0133	SF		>10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play)	6.88	
			<i>For Base And Nailer Board Installation, Add</i>	1.25	
32 18 23 29-0134			1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play) (32 18 23 29-0129)		
32 18 23 29-0135	SF		Up To 5,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play)	9.08	
			<i>For Base And Nailer Board Installation, Add</i>	2.00	
32 18 23 29-0136	SF		>5,000 To 10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play)	7.98	
			<i>For Base And Nailer Board Installation, Add</i>	2.00	
32 18 23 29-0137	SF		>10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play)	6.88	
			<i>For Base And Nailer Board Installation, Add</i>	1.25	
32 18 23 33			Running Track Surfacing (32 18 23)		
32 18 23 33-0001			Running Track Surfacing (32 18 23 33)		
32 18 23 33-0002	SY		2-1/2" Asphaltic Concrete Running Track Surfacing	18.65	
32 18 23 33-0003			Running Track Seal And Colored Surfaces (32 18 23 33)		
32 18 23 33-0004	SY		1 Seal Coat, Striping Of Track Note: Includes certification.	7.90	
32 18 23 39			Synthetic Running Track Surfacing (32 18 23)		
32 18 23 39-0001			Synthetic Running Track Surfacing (XPLODE™) (32 18 23 39) Note: Excludes asphalt base. Includes striping.		
32 18 23 39-0002	SY		Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100)	40.48	2.57
			<i>For Up To 4,000, Add</i>	14.17	
			<i>For >5,500, Deduct</i>	-4.45	
32 18 23 39-0003	SY		Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200)	54.32	2.57
			<i>For Up To 4,000, Add</i>	19.01	
			<i>For >5,500, Deduct</i>	-5.98	
			<i>For Custom Color Upgrade, Add</i>	5.16	
			<i>For Aliphatic Top Coating, Add</i>	9.78	
32 18 23 39-0004	SY		Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500)	91.29	2.57
			<i>For Up To 4,000, Add</i>	31.95	
			<i>For >5,500, Deduct</i>	-5.48	
			<i>For Custom Color Upgrade, Add</i>	7.03	
			<i>For Aliphatic Top Coating, Add</i>	13.05	
32 18 23 39-0005	SY		Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000)	117.92	2.57
			<i>For Up To 4,000, Add</i>	41.27	
			<i>For >5,500, Deduct</i>	-7.08	
			<i>For Custom Color Upgrade, Add</i>	9.20	
			<i>For Aliphatic Top Coating, Add</i>	13.44	
32 18 23 39-0006	SY		Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lighting)	36.87	
			<i>For Up To 4,000, Add</i>	12.90	
			<i>For >5,500, Deduct</i>	-4.06	
32 18 23 39-0007	SY		Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator)	41.50	
			<i>For Up To 4,000, Add</i>	14.53	
			<i>For >5,500, Deduct</i>	-6.02	
32 18 23 39-0008	SY		Spray Retop XPLODE™ M100/MS200 Running Tracks	36.45	
			<i>For Up To 4,000, Add</i>	12.76	
			<i>For >5,500, Deduct</i>	-3.56	
32 18 23 39-0009	SY		Sandwich Retop XPLODE™ MSX500 Running Tracks	70.56	
			<i>For Up To 4,000, Add</i>	24.70	
			<i>For >5,500, Deduct</i>	-7.44	
32 18 23 39-0010	SY		Retop XPLODE™ Plexitrac® Lightning Running Tracks Note: Two layers.	20.52	
			<i>For Up To 4,000, Add</i>	7.18	
			<i>For >5,500, Deduct</i>	-3.39	
32 18 23 39-0011	SY		Retop XPLODE™ Plexitrac® Accelerator Running Tracks Note: Two layers.	24.99	
			<i>For Up To 4,000, Add</i>	8.75	
			<i>For >5,500, Deduct</i>	-3.39	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 18 23 39-0012	EA	Restripe XPLODE™ Running Track.....	8,483.75
		Note: Includes two coats of acrylic resurfacer and two coats of color. <i>For College Track Restriping, Add</i>	1,542.50
32 18 23 53 Tennis Court Surfacing (32 18 23)			
32 18 23 53-0001		Tennis Court Surfacing (32 18 23 53) See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.	
32 18 23 53-0002	SY	Tennis Court Bituminous Pavement, 2-1/2" Thick.....	24.59
32 18 23 53-0003 Tennis Court Markings (32 18 23 53)			
32 18 23 53-0004	EA	Paint Markings On Asphalt Tennis Court 2 Coats.....	204.42
32 18 23 56 Natural Tennis Court Surfacing (32 18 23)			
32 18 23 56-0001	SY	Clay Tennis Court.....	34.99
32 18 23 56-0002	SY	Tennis Court, Pulverized Natural Greenstone, Fast Dry.....	39.13
		Note: Includes 4" base.	
32 18 23 56-0003	SY	Tennis Court, Rubber-Cork Base Resilient Pavement.....	15.53
32 18 23 56-0004	SY	Resurface Clay Tennis Court.....	9.18
32 18 23 56-0005	SY	Resurface Tennis Court, Pulverized Natural Greenstone.....	7.55
32 18 23 56-0006	SY	Resurface Tennis Court, Resilient Pavement.....	4.98
32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)			
32 18 23 61-0001		100% Acrylic Athletic Surfacing System (California Products Plexipave®) (32 18 23 61) Note: Excludes asphalt or concrete sub base and repairs of sub base.	
32 18 23 61-0002		Surface Preparation For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)	
32 18 23 61-0003	SY	100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat.....	1.39
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.	
32 18 23 61-0004	SY	Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat.....	0.38
		Note: For previously uncoated portland cement concrete. Applied with broom.	
32 18 23 61-0005	SY	Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat.....	1.75
		Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.	
32 18 23 61-0006	SY	Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	76.90
		Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.	
32 18 23 61-0007		Surface Coatings For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)	
		Note: Standard colors include dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.	
32 18 23 61-0008	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	1.97
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.	
		<i>For Pacific Blue, Add</i>	0.14
		<i>For US Open Blue, Add</i>	0.49
32 18 23 61-0009	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	1.50
		Note: Includes ultra fine silica sand. Applied with rubber squeegee.	
		<i>For Pacific Blue, Add</i>	0.10
		<i>For US Open Blue, Add</i>	0.35
32 18 23 61-0010	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	1.24
		Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.	
		<i>For Pacific Blue, Add</i>	0.08
		<i>For US Open Blue, Add</i>	0.27
32 18 23 61-0011	SY	Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	1.24
		Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.	
		<i>For Pacific Blue, Add</i>	0.04
		<i>For US Open Or Australian Open Blue, Add</i>	0.33
		<i>For Pro Purple, Add</i>	0.72
32 18 23 61-0012		Specialty Coatings For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)	
32 18 23 61-0013	SY	Hard Acrylic Surface Coat, Clear Coating Finish, Athletic Surfacing System (California Products Plexipave® Clear-Glo #3®), Per Coat.....	0.81
		Note: Final finish coat over Plexipave® for increased wear resistance for basketball and volleyball courts. Applied with wide hair-type push broom.	
32 18 23 61-0014		Line Striping For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)	



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Athletic And Recreational Surfacing	32 18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 18 23 61-0015 SY Tennis Or Basketball Court Line Striping For Athletic Surfacing System (California Products Plexipave® Hi-Hide Plexicolor®) 1.94
 Note: Textured or non-textured highly reflective line marking paint.

32 18 23 61-0016 Cushion Coatings For Athletic Surfacing System (California Products Plexipave® Plexicushion®) (32 18 23 61-0001)

32 18 23 61-0017 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat 3.19
 Note: Applied with rubber squeegee.
 32 18 23 61-0018 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat 4.52
 Note: Applied with rubber squeegee.
 32 18 23 61-0019 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat 3.82
 Note: Price per coat for third or additional coats. Applied with rubber squeegee.
 32 18 23 61-0020 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat 2.75
 Note: Applied with rubber squeegee.
 32 18 23 61-0021 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat 1.99
 Note: Price per coat for second or additional coats. Applied with rubber squeegee.

32 30 Site Improvements (32)

32 31 Fences And Gates (32 30)

32 31 11 Gate Operators (32 31)

32 31 11 00-0001 Gate Operators (32 31 11)

Note: Excludes gates, electrical connections, access controls and concrete foundation.

32 31 11 00-0002 Swing Gate Actuator (32 31 11 00-0001)

32 31 11 00-0003 Single Gate, Swing Gate Actuator (32 31 11 00-0002)

32 31 11 00-0004 EA Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) 852.42 65.08
 Note: Includes one primary operator with a 10' wide gate capacity.
 32 31 11 00-0005 EA Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) 1,165.39 65.08
 Note: Includes one primary operator with a 14' wide gate capacity.

32 31 11 00-0006 Dual Gate, Swing Gate Actuator (32 31 11 00-0002)

32 31 11 00-0007 EA Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) 1,704.84 130.17
 Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.
 32 31 11 00-0008 EA Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) 2,330.79 130.17
 Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.

32 31 11 00-0009 Swing Gate Operators (32 31 11 00-0001)

32 31 11 00-0010 Single Gate, Swing Gate Operators (32 31 11 00-0009)

32 31 11 00-0011 EA 400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) 1,831.47 65.08
 Note: Includes one primary operator with a 10' wide and 400# gate capacity.
 32 31 11 00-0012 EA 500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) 1,999.99 65.08
 Note: Includes one primary operator with a 14' wide and 500# gate capacity.
 32 31 11 00-0013 EA 700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) 2,746.32 65.08
 Note: Includes one primary operator with an 18' wide and 700# gate capacity.
 For 208/230/460 Volt AC, Add 322.50
 32 31 11 00-0014 EA 800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) 3,123.49 65.08
 Note: Includes one primary operator with a 22' wide and 800# gate capacity.
 For 208/230/460 Volt AC, Add 322.50

32 31 11 00-0015 Dual Gate, Swing Gate Operators (32 31 11 00-0009)

32 31 11 00-0016 EA 400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) 3,221.56 130.17
 Note: Includes one primary and one secondary operator each with a 10' wide and 400# gate capacity.
 32 31 11 00-0017 EA 500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) 3,558.62 130.17
 Note: Includes one primary and one secondary operator each with a 14' wide and 500# gate capacity.
 32 31 11 00-0018 EA 700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) 5,043.24 130.17
 Note: Includes one primary and one secondary operator each with an 18' wide and 700# gate capacity.
 For 208/230/460 Volt AC, Add 322.50
 32 31 11 00-0019 EA 800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) 5,869.82 130.17
 Note: Includes one primary and one secondary operator each with a 22' wide and 800# gate capacity.
 For 208/230/460 Volt AC, Add 322.50

32 31 11 00-0020 Sliding Gate Operators (32 31 11 00-0001)

Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0021	EA		300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	1,454.29	65.08
32 31 11 00-0022	EA		1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	2,082.21	78.10
32 31 11 00-0023	EA		1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	2,643.96	78.10
32 31 11 00-0024	EA		3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	3,492.54	91.12
32 31 11 00-0025	EA		2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	4,359.24	91.12
32 31 11 00-0026	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	6,022.38	104.13
32 31 11 00-0027	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	10,319.77	104.13
32 31 11 00-0028	EA		10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	17,712.75	117.15
32 31 11 00-0029			Accessories For Gate Actuators And Operators <small>(32 31 11 00-0001)</small>		
32 31 11 00-0030	EA		Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	251.22	
32 31 11 00-0031	EA		Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	485.57	
32 31 11 00-0032	EA		Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	373.07	
32 31 11 00-0033	EA		Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	391.08	
32 31 11 00-0034	EA		Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	342.92	
32 31 11 00-0035	EA		Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	226.56	
32 31 11 00-0036	LF		#40 Chain For Sliding Gate Operators	5.48	
32 31 11 00-0037	LF		#41 Chain For Sliding Gate Operators	4.27	
32 31 11 00-0038	LF		#50 Chain For Sliding Gate Operators	6.14	
32 31 11 00-0039	LF		#60 Chain For Sliding Gate Operators	5.81	
32 31 13			Chain Link Fences And Gates <small>(32 31)</small>		
32 31 13 13			Chain Link Fences And Gates <small>(32 31 13)</small>		
32 31 13 13-0001			Post Holes <small>(32 31 13 13)</small> Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0139 for core drilling in asphalt.		
32 31 13 13-0002			Auger By Machine Fence Post Hole In Soil <small>(32 31 13 13-0001)</small>		
32 31 13 13-0003	VLF		Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	3.59	
32 31 13 13-0004	VLF		2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	4.04	
32 31 13 13-0005	VLF		3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	4.79	
32 31 13 13-0006	VLF		4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	5.39	
32 31 13 13-0007	VLF		6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	5.87	
32 31 13 13-0008	VLF		8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	6.46	
32 31 13 13-0009	VLF		10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	7.17	
32 31 13 13-0010	VLF		12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	8.07	
32 31 13 13-0011	VLF		18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	9.23	
32 31 13 13-0012	VLF		24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.76	
32 31 13 13-0013	VLF		30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	12.91	
32 31 13 13-0014	VLF		36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	16.15	
32 31 13 13-0015			Post Hole In Rock <small>(32 31 13 13-0001)</small>		
32 31 13 13-0016	CF		Jackhammer Post Hole In Rock	23.42	
32 31 13 13-0017	CF		Rock Drill Post Hole In Rock	10.04	
32 31 13 13-0018			Fill For Post Holes <small>(32 31 13 13-0001)</small> See CSI section 03 21 00 00-0000 for reinforcing bars.		
32 31 13 13-0019			Concrete Fill For Post Holes <small>(32 31 13 13-0018)</small>		
32 31 13 13-0020	VLF		Up To 2-1/2" Diameter, Concrete Fill For Post Hole	2.37	
32 31 13 13-0021	VLF		2-1/2" Diameter, Concrete Fill For Post Hole	3.01	
32 31 13 13-0022	VLF		3" Diameter, Concrete Fill For Post Hole	3.41	
32 31 13 13-0023	VLF		4" Diameter, Concrete Fill For Post Hole	4.09	
32 31 13 13-0024	VLF		6" Diameter, Concrete Fill For Post Hole	5.89	
32 31 13 13-0025	VLF		8" Diameter, Concrete Fill For Post Hole	7.86	
32 31 13 13-0026	VLF		10" Diameter, Concrete Fill For Post Hole	9.68	
32 31 13 13-0027	VLF		12" Diameter, Concrete Fill For Post Hole	11.39	
32 31 13 13-0028	VLF		18" Diameter, Concrete Fill For Post Hole	16.06	
32 31 13 13-0029	VLF		24" Diameter, Concrete Fill For Post Hole	20.45	
32 31 13 13-0030	VLF		30" Diameter, Concrete Fill For Post Hole	24.79	
32 31 13 13-0031	VLF		36" Diameter, Concrete Fill For Post Hole	29.38	
32 31 13 13-0032			Grout Fill For Post Holes <small>(32 31 13 13-0018)</small>		
32 31 13 13-0033	VLF		Up To 2-1/2" Diameter, Grout Fill For Post Hole	2.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0034 VLF 2-1/2" Diameter, Grout Fill For Post Hole	3.39	
32 31 13 13-0035 VLF 3" Diameter, Grout Fill For Post Hole.....	3.78	
32 31 13 13-0036 VLF 4" Diameter, Grout Fill For Post Hole.....	4.42	
32 31 13 13-0037 VLF 6" Diameter, Grout Fill For Post Hole.....	6.30	
32 31 13 13-0038 VLF 8" Diameter, Grout Fill For Post Hole.....	8.42	
32 31 13 13-0039 VLF 10" Diameter, Grout Fill For Post Hole.....	10.31	
32 31 13 13-0040 VLF 12" Diameter, Grout Fill For Post Hole.....	12.10	
32 31 13 13-0041 VLF 18" Diameter, Grout Fill For Post Hole.....	16.76	
32 31 13 13-0042 VLF 24" Diameter, Grout Fill For Post Hole.....	21.08	
32 31 13 13-0043 VLF 30" Diameter, Grout Fill For Post Hole.....	25.33	
32 31 13 13-0044 VLF 36" Diameter, Grout Fill For Post Hole.....	29.76	
32 31 13 13-0045 Compacted Earth Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0046 VLF Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	1.44	
32 31 13 13-0047 VLF 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	1.89	
32 31 13 13-0048 VLF 3" Diameter, Compacted Earth Fill For Post Hole.....	1.98	
32 31 13 13-0049 VLF 4" Diameter, Compacted Earth Fill For Post Hole.....	2.03	
32 31 13 13-0050 VLF 6" Diameter, Compacted Earth Fill For Post Hole.....	2.71	
32 31 13 13-0051 VLF 8" Diameter, Compacted Earth Fill For Post Hole.....	3.62	
32 31 13 13-0052 VLF 10" Diameter, Compacted Earth Fill For Post Hole.....	4.33	
32 31 13 13-0053 VLF 12" Diameter, Compacted Earth Fill For Post Hole.....	4.92	
32 31 13 13-0054 VLF 18" Diameter, Compacted Earth Fill For Post Hole.....	5.99	
32 31 13 13-0055 VLF 24" Diameter, Compacted Earth Fill For Post Hole.....	6.72	
32 31 13 13-0056 VLF 30" Diameter, Compacted Earth Fill For Post Hole.....	7.37	
32 31 13 13-0057 VLF 36" Diameter, Compacted Earth Fill For Post Hole.....	7.95	
32 31 13 13-0058 Fence Posts (32 31 13 13)		
Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059 Fence Posts (32 31 13 13-0058)		
32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel (32 31 13 13-0059)		
Note: Includes cap and accessories.		
32 31 13 13-0061 LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length	7.23	1.09
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0062 LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length	6.92	0.94
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0063 LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length	6.53	0.77
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0064 LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length	6.23	0.61
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0065 LF 1-7/8" Galvanized H-beam Post, 21' To 24' In Length	6.03	0.53
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0066 LF 1-7/8" Galvanized H-beam Post, >24' In Length.....	5.71	0.37
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0067 Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) (32 31 13 13-0059)		
Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068 LF 1-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	4.84	1.02
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.70	
For Vinyl Coated, Add	1.69	
For Powder Coated, Add	2.25	
For Aluminum Coated, Add	3.51	
For Schedule 20, Deduct	-0.56	
For Schedule 80, Add	1.55	
32 31 13 13-0069 LF 1-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	4.53	0.85
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.70	
For Vinyl Coated, Add	1.69	
For Powder Coated, Add	2.25	
For Aluminum Coated, Add	3.51	
For Schedule 20, Deduct	-0.56	
For Schedule 80, Add	1.52	
32 31 13 13-0070 LF 1-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	4.17	0.69
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.70	
For Vinyl Coated, Add	1.69	
For Powder Coated, Add	2.25	
For Aluminum Coated, Add	3.51	
For Schedule 20, Deduct	-0.56	
For Schedule 80, Add	1.48	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0071	LF	1-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	3.91	0.53
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.70	
		<i>For Vinyl Coated, Add</i>	1.69	
		<i>For Powder Coated, Add</i>	2.25	
		<i>For Aluminum Coated, Add</i>	3.51	
		<i>For Schedule 20, Deduct</i>	-0.56	
		<i>For Schedule 80, Add</i>	1.46	
32 31 13 13-0072	LF	1-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	3.72	0.45
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.70	
		<i>For Vinyl Coated, Add</i>	1.69	
		<i>For Powder Coated, Add</i>	2.25	
		<i>For Aluminum Coated, Add</i>	3.51	
		<i>For Schedule 20, Deduct</i>	-0.56	
		<i>For Schedule 80, Add</i>	1.44	
32 31 13 13-0073	LF	1-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	3.52	0.37
		<i>For Each Top Rail Fitting, Add</i>	0.85	
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.70	
		<i>For Vinyl Coated, Add</i>	1.69	
		<i>For Powder Coated, Add</i>	2.25	
		<i>For Aluminum Coated, Add</i>	3.51	
		<i>For Schedule 20, Deduct</i>	-0.56	
		<i>For Schedule 80, Add</i>	1.42	
32 31 13 13-0074		Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) <small>(32 31 13 13-0059)</small>		
		Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	5.53	1.06
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.86	
		<i>For Vinyl Coated, Add</i>	2.06	
		<i>For Powder Coated, Add</i>	2.74	
		<i>For Aluminum Coated, Add</i>	4.29	
		<i>For Schedule 20, Deduct</i>	-0.69	
		<i>For Schedule 80, Add</i>	1.86	
32 31 13 13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	5.25	0.89
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.86	
		<i>For Vinyl Coated, Add</i>	2.06	
		<i>For Powder Coated, Add</i>	2.74	
		<i>For Aluminum Coated, Add</i>	4.29	
		<i>For Schedule 20, Deduct</i>	-0.69	
		<i>For Schedule 80, Add</i>	1.83	
32 31 13 13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	4.88	0.73
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.86	
		<i>For Vinyl Coated, Add</i>	2.06	
		<i>For Powder Coated, Add</i>	2.74	
		<i>For Aluminum Coated, Add</i>	4.29	
		<i>For Schedule 20, Deduct</i>	-0.69	
		<i>For Schedule 80, Add</i>	1.79	
32 31 13 13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	4.59	0.57
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.86	
		<i>For Vinyl Coated, Add</i>	2.06	
		<i>For Powder Coated, Add</i>	2.74	
		<i>For Aluminum Coated, Add</i>	4.29	
		<i>For Schedule 20, Deduct</i>	-0.69	
		<i>For Schedule 80, Add</i>	1.76	
32 31 13 13-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	4.40	0.49
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.86	
		<i>For Vinyl Coated, Add</i>	2.06	
		<i>For Powder Coated, Add</i>	2.74	
		<i>For Aluminum Coated, Add</i>	4.29	
		<i>For Schedule 20, Deduct</i>	-0.69	
		<i>For Schedule 80, Add</i>	1.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length.....	4.21	0.40
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	0.86	
			For Vinyl Coated, Add	2.06	
			For Powder Coated, Add	2.74	
			For Aluminum Coated, Add	4.29	
			For Schedule 20, Deduct	-0.69	
			For Schedule 80, Add	1.72	
32 31 13	13-0081		Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) (32 31 13 13-0059)		
			Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	6.77	1.14
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.14	
			For Vinyl Coated, Add	2.73	
			For Powder Coated, Add	3.64	
			For Aluminum Coated, Add	5.69	
			For Schedule 20, Deduct	-0.91	
			For Schedule 80, Add	2.41	
32 31 13	13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	6.46	0.97
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.14	
			For Vinyl Coated, Add	2.73	
			For Powder Coated, Add	3.64	
			For Aluminum Coated, Add	5.69	
			For Schedule 20, Deduct	-0.91	
			For Schedule 80, Add	2.38	
32 31 13	13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	6.07	0.77
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.14	
			For Vinyl Coated, Add	2.73	
			For Powder Coated, Add	3.64	
			For Aluminum Coated, Add	5.69	
			For Schedule 20, Deduct	-0.91	
			For Schedule 80, Add	2.34	
32 31 13	13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	5.77	0.61
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.14	
			For Vinyl Coated, Add	2.73	
			For Powder Coated, Add	3.64	
			For Aluminum Coated, Add	5.69	
			For Schedule 20, Deduct	-0.91	
			For Schedule 80, Add	2.31	
32 31 13	13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	5.57	0.53
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.14	
			For Vinyl Coated, Add	2.73	
			For Powder Coated, Add	3.64	
			For Aluminum Coated, Add	5.69	
			For Schedule 20, Deduct	-0.91	
			For Schedule 80, Add	2.29	
32 31 13	13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	5.37	0.40
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.14	
			For Vinyl Coated, Add	2.73	
			For Powder Coated, Add	3.64	
			For Aluminum Coated, Add	5.69	
			For Schedule 20, Deduct	-0.91	
			For Schedule 80, Add	2.27	
32 31 13	13-0088		Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) (32 31 13 13-0059)		
			Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	9.25	1.22
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.70	
			For Vinyl Coated, Add	4.09	
			For Powder Coated, Add	5.45	
			For Aluminum Coated, Add	8.51	
			For Schedule 20, Deduct	-1.36	
			For Schedule 80, Add	3.51	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0090	LF	3"	Outside Diameter Galvanized Steel Post, 7' To 10' In Length	8.91	1.06
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.70	
			For Vinyl Coated, Add	4.09	
			For Powder Coated, Add	5.45	
			For Aluminum Coated, Add	8.51	
			For Schedule 20, Deduct	-1.36	
			For Schedule 80, Add	3.48	
32 31 13 13-0091	LF	3"	Outside Diameter Galvanized Steel Post, 11' To 15' In Length	8.51	0.85
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.70	
			For Vinyl Coated, Add	4.09	
			For Powder Coated, Add	5.45	
			For Aluminum Coated, Add	8.51	
			For Schedule 20, Deduct	-1.36	
			For Schedule 80, Add	3.44	
32 31 13 13-0092	LF	3"	Outside Diameter Galvanized Steel Post, 16' To 20' In Length	8.16	0.69
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.70	
			For Vinyl Coated, Add	4.09	
			For Powder Coated, Add	5.45	
			For Aluminum Coated, Add	8.51	
			For Schedule 20, Deduct	-1.36	
			For Schedule 80, Add	3.40	
32 31 13 13-0093	LF	3"	Outside Diameter Galvanized Steel Post, 21' To 24' In Length	7.94	0.57
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.70	
			For Vinyl Coated, Add	4.09	
			For Powder Coated, Add	5.45	
			For Aluminum Coated, Add	8.51	
			For Schedule 20, Deduct	-1.36	
			For Schedule 80, Add	3.38	
32 31 13 13-0094	LF	3"	Outside Diameter Galvanized Steel Post, >24' In Length	7.72	0.45
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.70	
			For Vinyl Coated, Add	4.09	
			For Powder Coated, Add	5.45	
			For Aluminum Coated, Add	8.51	
			For Schedule 20, Deduct	-1.36	
			For Schedule 80, Add	3.36	
32 31 13 13-0095			Post Without Top Rail Fitting, Galvanized Steel, (4" Nominal) <small>(32 31 13 13-0059)</small>		
			Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0096	LF	4"	Outside Diameter Galvanized Steel Post, Up To 6' In Length	13.62	1.30
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.77	
			For Vinyl Coated, Add	6.64	
			For Powder Coated, Add	8.85	
			For Aluminum Coated, Add	13.83	
			For Schedule 20, Deduct	-2.21	
			For Schedule 80, Add	5.56	
32 31 13 13-0097	LF	4"	Outside Diameter Galvanized Steel Post, 7' To 10' In Length	13.20	1.06
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.77	
			For Vinyl Coated, Add	6.64	
			For Powder Coated, Add	8.85	
			For Aluminum Coated, Add	13.83	
			For Schedule 20, Deduct	-2.21	
			For Schedule 80, Add	5.52	
32 31 13 13-0098	LF	4"	Outside Diameter Galvanized Steel Post, 11' To 15' In Length	12.84	0.89
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.77	
			For Vinyl Coated, Add	6.64	
			For Powder Coated, Add	8.85	
			For Aluminum Coated, Add	13.83	
			For Schedule 20, Deduct	-2.21	
			For Schedule 80, Add	5.49	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 31 13 13-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	12.48	0.73
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.77	
			<i>For Vinyl Coated, Add</i>	6.64	
			<i>For Powder Coated, Add</i>	8.85	
			<i>For Aluminum Coated, Add</i>	13.83	
			<i>For Schedule 20, Deduct</i>	-2.21	
			<i>For Schedule 80, Add</i>	5.45	
	32 31 13 13-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	12.48	0.73
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.77	
			<i>For Vinyl Coated, Add</i>	6.64	
			<i>For Powder Coated, Add</i>	8.85	
			<i>For Aluminum Coated, Add</i>	13.83	
			<i>For Schedule 20, Deduct</i>	-2.21	
			<i>For Schedule 80, Add</i>	5.45	
	32 31 13 13-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length.....	12.08	0.53
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.77	
			<i>For Vinyl Coated, Add</i>	6.64	
			<i>For Powder Coated, Add</i>	8.85	
			<i>For Aluminum Coated, Add</i>	13.83	
			<i>For Schedule 20, Deduct</i>	-2.21	
			<i>For Schedule 80, Add</i>	5.41	
	32 31 13 13-0102		Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) <small>(32 31 13 13-0059)</small>		
			Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
	32 31 13 13-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	26.31	1.42
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.87	
			<i>For Vinyl Coated, Add</i>	14.08	
			<i>For Powder Coated, Add</i>	18.77	
			<i>For Aluminum Coated, Add</i>	29.33	
			<i>For Schedule 20, Deduct</i>	-4.69	
			<i>For Schedule 80, Add</i>	11.55	
	32 31 13 13-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	25.85	1.17
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.87	
			<i>For Vinyl Coated, Add</i>	14.08	
			<i>For Powder Coated, Add</i>	18.77	
			<i>For Aluminum Coated, Add</i>	29.33	
			<i>For Schedule 20, Deduct</i>	-4.69	
			<i>For Schedule 80, Add</i>	11.50	
	32 31 13 13-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	25.44	0.97
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.87	
			<i>For Vinyl Coated, Add</i>	14.08	
			<i>For Powder Coated, Add</i>	18.77	
			<i>For Aluminum Coated, Add</i>	29.33	
			<i>For Schedule 20, Deduct</i>	-4.69	
			<i>For Schedule 80, Add</i>	11.46	
	32 31 13 13-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	25.04	0.77
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.87	
			<i>For Vinyl Coated, Add</i>	14.08	
			<i>For Powder Coated, Add</i>	18.77	
			<i>For Aluminum Coated, Add</i>	29.33	
			<i>For Schedule 20, Deduct</i>	-4.69	
			<i>For Schedule 80, Add</i>	11.42	
	32 31 13 13-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	24.81	0.69
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.87	
			<i>For Vinyl Coated, Add</i>	14.08	
			<i>For Powder Coated, Add</i>	18.77	
			<i>For Aluminum Coated, Add</i>	29.33	
			<i>For Schedule 20, Deduct</i>	-4.69	
			<i>For Schedule 80, Add</i>	11.40	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	24.59	0.57
		<i>For Each Top Rail Fitting, Add</i>	4.55	
		<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.87	
		<i>For Vinyl Coated, Add</i>	14.08	
		<i>For Powder Coated, Add</i>	18.77	
		<i>For Aluminum Coated, Add</i>	29.33	
		<i>For Schedule 20, Deduct</i>	-4.69	
		<i>For Schedule 80, Add</i>	11.37	
32 31 13 13-0109		Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) (32 31 13 13-0059)		
		Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	51.24	1.59
		<i>For Each Top Rail Fitting, Add</i>	7.50	
		<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	12.02	
		<i>For Vinyl Coated, Add</i>	28.84	
		<i>For Powder Coated, Add</i>	38.46	
		<i>For Aluminum Coated, Add</i>	60.09	
		<i>For Schedule 20, Deduct</i>	-9.61	
		<i>For Schedule 80, Add</i>	23.39	
32 31 13 13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	50.72	1.34
		<i>For Each Top Rail Fitting, Add</i>	7.50	
		<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	12.02	
		<i>For Vinyl Coated, Add</i>	28.84	
		<i>For Powder Coated, Add</i>	38.46	
		<i>For Aluminum Coated, Add</i>	60.09	
		<i>For Schedule 20, Deduct</i>	-9.61	
		<i>For Schedule 80, Add</i>	23.34	
32 31 13 13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	50.26	1.09
		<i>For Each Top Rail Fitting, Add</i>	7.50	
		<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	12.02	
		<i>For Vinyl Coated, Add</i>	28.84	
		<i>For Powder Coated, Add</i>	38.46	
		<i>For Aluminum Coated, Add</i>	60.09	
		<i>For Schedule 20, Deduct</i>	-9.61	
		<i>For Schedule 80, Add</i>	23.29	
32 31 13 13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	49.81	0.85
		<i>For Each Top Rail Fitting, Add</i>	7.50	
		<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	12.02	
		<i>For Vinyl Coated, Add</i>	28.84	
		<i>For Powder Coated, Add</i>	38.46	
		<i>For Aluminum Coated, Add</i>	60.09	
		<i>For Schedule 20, Deduct</i>	-9.61	
		<i>For Schedule 80, Add</i>	23.25	
32 31 13 13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	49.58	0.73
		<i>For Each Top Rail Fitting, Add</i>	7.50	
		<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	12.02	
		<i>For Vinyl Coated, Add</i>	28.84	
		<i>For Powder Coated, Add</i>	38.46	
		<i>For Aluminum Coated, Add</i>	60.09	
		<i>For Schedule 20, Deduct</i>	-9.61	
		<i>For Schedule 80, Add</i>	23.22	
32 31 13 13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	49.33	0.61
		<i>For Each Top Rail Fitting, Add</i>	7.50	
		<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	12.02	
		<i>For Vinyl Coated, Add</i>	28.84	
		<i>For Powder Coated, Add</i>	38.46	
		<i>For Aluminum Coated, Add</i>	60.09	
		<i>For Schedule 20, Deduct</i>	-9.61	
		<i>For Schedule 80, Add</i>	23.20	
32 31 13 13-0116		Chain Link Fence Assemblies (32 31 13 13)		
32 31 13 13-0117		Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts (32 31 13 13-0116)		
		Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0605 for barb wire attachments.		
32 31 13 13-0118		Galvanized (32 31 13 13-0117)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0119	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	14.81	1.38
32 31	13 13-0120	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post..... <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	15.52	1.38
32 31	13 13-0121	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	16.14	1.38
32 31	13 13-0122	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	17.59	1.38
32 31	13 13-0123	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	19.25	1.38

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0124	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	20.23	2.08
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.33	
		<i>For 13 Gauge Fabric, Deduct</i>	-4.82	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.81	
		<i>For 6 Gauge Fabric, Add</i>	4.42	
		<i>For 1" Mesh Fabric, Add</i>	6.03	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.41	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.21	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.61	
		<i>For Posts 8' On Centers, Add</i>	1.09	
		<i>For Posts 5' On Centers, Add</i>	4.06	
		<i>For Up To 100, Add</i>	3.67	
		<i>For >100 To 250, Add</i>	1.33	
		<i>For >2,500 To 5,000, Deduct</i>	-0.67	
		<i>For >5,000, Deduct</i>	-1.33	
32 31 13 13-0125	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	23.02	2.42
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.49	
		<i>For 13 Gauge Fabric, Deduct</i>	-5.64	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.30	
		<i>For 6 Gauge Fabric, Add</i>	5.18	
		<i>For 1" Mesh Fabric, Add</i>	7.06	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.83	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.41	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.88	
		<i>For Posts 8' On Centers, Add</i>	1.23	
		<i>For Posts 5' On Centers, Add</i>	4.58	
		<i>For Up To 100, Add</i>	4.13	
		<i>For >100 To 250, Add</i>	1.49	
		<i>For >2,500 To 5,000, Deduct</i>	-0.75	
		<i>For >5,000, Deduct</i>	-1.49	
32 31 13 13-0126	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	24.77	3.11
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.59	
		<i>For 13 Gauge Fabric, Deduct</i>	-6.14	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.59	
		<i>For 6 Gauge Fabric, Add</i>	5.64	
		<i>For 1" Mesh Fabric, Add</i>	7.69	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.07	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.54	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.05	
		<i>For Posts 8' On Centers, Add</i>	1.32	
		<i>For Posts 5' On Centers, Add</i>	4.92	
		<i>For Up To 100, Add</i>	4.43	
		<i>For >100 To 250, Add</i>	1.59	
		<i>For >2,500 To 5,000, Deduct</i>	-0.80	
		<i>For >5,000, Deduct</i>	-1.59	
32 31 13 13-0127	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	26.53	3.45
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.70	
		<i>For 13 Gauge Fabric, Deduct</i>	-6.64	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.88	
		<i>For 6 Gauge Fabric, Add</i>	6.09	
		<i>For 1" Mesh Fabric, Add</i>	8.31	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.32	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.66	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.22	
		<i>For Posts 8' On Centers, Add</i>	1.42	
		<i>For Posts 5' On Centers, Add</i>	5.26	
		<i>For Up To 100, Add</i>	4.72	
		<i>For >100 To 250, Add</i>	1.70	
		<i>For >2,500 To 5,000, Deduct</i>	-0.85	
		<i>For >5,000, Deduct</i>	-1.70	
32 31 13 13-0128	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	29.77	4.14
		<i>For Each Additional Foot >12, Add</i>	2.55	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.89	
		<i>For 13 Gauge Fabric, Deduct</i>	-7.55	
		<i>For 11 Gauge Fabric, Deduct</i>	-4.41	
		<i>For 6 Gauge Fabric, Add</i>	6.93	
		<i>For 1" Mesh Fabric, Add</i>	9.45	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.78	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.89	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.52	
		<i>For Posts 8' On Centers, Add</i>	1.58	
		<i>For Posts 5' On Centers, Add</i>	5.88	
		<i>For Up To 100, Add</i>	5.27	
		<i>For >100 To 250, Add</i>	1.89	
		<i>For >2,500 To 5,000, Deduct</i>	-0.95	
		<i>For >5,000, Deduct</i>	-1.89	

32 31 13 13-0129 Vinyl Coated (32 31 13 13-0117)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0130	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	17.08	1.38
			For Powder Coated Framework (Posts, Rails, Hardware), Add	1.72	
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.13	
			For 13 Gauge Fabric, Deduct	-3.99	
			For 11 Gauge Fabric, Deduct	-2.33	
			For 6 Gauge Fabric, Add	3.67	
			For 1" Mesh Fabric, Add	5.00	
			For 1-3/4" Mesh Fabric, Add	2.00	
			For 2-1/8" Mesh Fabric, Deduct	-1.00	
			For 2-3/8" Mesh Fabric, Deduct	-1.33	
			For Posts 8' On Centers, Add	0.92	
			For Posts 5' On Centers, Add	3.44	
			For Up To 100, Add	3.12	
			For >100 To 250, Add	1.13	
			For >2,500 To 5,000, Deduct	-0.57	
			For >5,000, Deduct	-1.13	
32 31	13 13-0131	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	18.78	1.38
			For Powder Coated Framework (Posts, Rails, Hardware), Add	1.95	
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.23	
			For 13 Gauge Fabric, Deduct	-4.52	
			For 11 Gauge Fabric, Deduct	-2.64	
			For 6 Gauge Fabric, Add	4.15	
			For 1" Mesh Fabric, Add	5.66	
			For 1-3/4" Mesh Fabric, Add	2.27	
			For 2-1/8" Mesh Fabric, Deduct	-1.13	
			For 2-3/8" Mesh Fabric, Deduct	-1.51	
			For Posts 8' On Centers, Add	1.01	
			For Posts 5' On Centers, Add	3.75	
			For Up To 100, Add	3.39	
			For >100 To 250, Add	1.23	
			For >2,500 To 5,000, Deduct	-0.61	
			For >5,000, Deduct	-1.23	
32 31	13 13-0132	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	21.66	1.38
			For Powder Coated Framework (Posts, Rails, Hardware), Add	2.33	
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.39	
			For 13 Gauge Fabric, Deduct	-5.40	
			For 11 Gauge Fabric, Deduct	-3.15	
			For 6 Gauge Fabric, Add	4.95	
			For 1" Mesh Fabric, Add	6.76	
			For 1-3/4" Mesh Fabric, Add	2.70	
			For 2-1/8" Mesh Fabric, Deduct	-1.35	
			For 2-3/8" Mesh Fabric, Deduct	-1.80	
			For Posts 8' On Centers, Add	1.16	
			For Posts 5' On Centers, Add	4.30	
			For Up To 100, Add	3.86	
			For >100 To 250, Add	1.39	
			For >2,500 To 5,000, Deduct	-0.69	
			For >5,000, Deduct	-1.39	
32 31	13 13-0133	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	23.03	2.08
			For Powder Coated Framework (Posts, Rails, Hardware), Add	2.50	
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.47	
			For 13 Gauge Fabric, Deduct	-5.79	
			For 11 Gauge Fabric, Deduct	-3.38	
			For 6 Gauge Fabric, Add	5.31	
			For 1" Mesh Fabric, Add	7.25	
			For 1-3/4" Mesh Fabric, Add	2.90	
			For 2-1/8" Mesh Fabric, Deduct	-1.45	
			For 2-3/8" Mesh Fabric, Deduct	-1.93	
			For Posts 8' On Centers, Add	1.23	
			For Posts 5' On Centers, Add	4.56	
			For Up To 100, Add	4.09	
			For >100 To 250, Add	1.47	
			For >2,500 To 5,000, Deduct	-0.74	
			For >5,000, Deduct	-1.47	
32 31	13 13-0134	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	26.28	2.42
			For Powder Coated Framework (Posts, Rails, Hardware), Add	2.93	
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.65	
			For 13 Gauge Fabric, Deduct	-6.78	
			For 11 Gauge Fabric, Deduct	-3.96	
			For 6 Gauge Fabric, Add	6.22	
			For 1" Mesh Fabric, Add	8.48	
			For 1-3/4" Mesh Fabric, Add	3.39	
			For 2-1/8" Mesh Fabric, Deduct	-1.70	
			For 2-3/8" Mesh Fabric, Deduct	-2.26	
			For Posts 8' On Centers, Add	1.40	
			For Posts 5' On Centers, Add	5.17	
			For Up To 100, Add	4.62	
			For >100 To 250, Add	1.65	
			For >2,500 To 5,000, Deduct	-0.83	
			For >5,000, Deduct	-1.65	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0135	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	28.28	3.11
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.18	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.77	
		<i>For 13 Gauge Fabric, Deduct</i>	-7.36	
		<i>For 11 Gauge Fabric, Deduct</i>	-4.30	
		<i>For 6 Gauge Fabric, Add</i>	6.76	
		<i>For 1" Mesh Fabric, Add</i>	9.21	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.69	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.84	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.46	
		<i>For Posts 8' On Centers, Add</i>	1.50	
		<i>For Posts 5' On Centers, Add</i>	5.55	
		<i>For Up To 100, Add</i>	4.95	
		<i>For >100 To 250, Add</i>	1.77	
		<i>For >2,500 To 5,000, Deduct</i>	-0.88	
		<i>For >5,000, Deduct</i>	-1.77	
32 31 13 13-0136	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	30.28	3.45
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.43	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.89	
		<i>For 13 Gauge Fabric, Deduct</i>	-7.94	
		<i>For 11 Gauge Fabric, Deduct</i>	-4.64	
		<i>For 6 Gauge Fabric, Add</i>	7.29	
		<i>For 1" Mesh Fabric, Add</i>	9.94	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.98	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.99	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.65	
		<i>For Posts 8' On Centers, Add</i>	1.60	
		<i>For Posts 5' On Centers, Add</i>	5.93	
		<i>For Up To 100, Add</i>	5.29	
		<i>For >100 To 250, Add</i>	1.89	
		<i>For >2,500 To 5,000, Deduct</i>	-0.94	
		<i>For >5,000, Deduct</i>	-1.89	
32 31 13 13-0137	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	33.06	4.14
		<i>For Each Additional Foot >12, Add</i>	2.80	
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.75	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.06	
		<i>For 13 Gauge Fabric, Deduct</i>	-8.69	
		<i>For 11 Gauge Fabric, Deduct</i>	-5.08	
		<i>For 6 Gauge Fabric, Add</i>	7.98	
		<i>For 1" Mesh Fabric, Add</i>	10.88	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.35	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.18	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.90	
		<i>For Posts 8' On Centers, Add</i>	1.75	
		<i>For Posts 5' On Centers, Add</i>	6.47	
		<i>For Up To 100, Add</i>	5.76	
		<i>For >100 To 250, Add</i>	2.06	
		<i>For >2,500 To 5,000, Deduct</i>	-1.03	
		<i>For >5,000, Deduct</i>	-2.06	
32 31 13 13-0138		Rails <small>(32 31 13 13)</small>		
		Note: Includes rail end fittings.		
32 31 13 13-0139		SS-20 Chain Link Fence Rails <small>(32 31 13 13-0138)</small>		
		Note: Includes tie wires.		
32 31 13 13-0140	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	2.49	0.45
		<i>For SS15, Deduct</i>	-0.16	
		<i>For SS40, Add</i>	0.39	
32 31 13 13-0141	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	3.01	0.45
		<i>For SS40, Add</i>	0.21	
		<i>For Powder Coated, Add</i>	0.41	
		<i>For Aluminum Coated, Add</i>	0.83	
32 31 13 13-0142	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	3.09	0.51
		<i>For SS15, Deduct</i>	-0.21	
		<i>For SS40, Add</i>	0.52	
32 31 13 13-0143	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	3.78	0.51
		<i>For SS40, Add</i>	0.28	
		<i>For Powder Coated, Add</i>	0.55	
		<i>For Aluminum Coated, Add</i>	1.10	
32 31 13 13-0144	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	3.62	0.57
		<i>For SS40, Add</i>	0.62	
32 31 13 13-0145	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	4.46	0.57
		<i>For SS40, Add</i>	0.33	
		<i>For Powder Coated, Add</i>	0.66	
		<i>For Aluminum Coated, Add</i>	1.33	
32 31 13 13-0146		Fabric <small>(32 31 13 13)</small>		
32 31 13 13-0147		Fabric, Galvanized Chain Link <small>(32 31 13 13-0146)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0148	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	4.96	0.81
			For 2 Oz Galvanized Coating, Add	0.58	
			For 13 Gauge Fabric, Deduct	-1.04	
			For 11 Gauge Fabric, Deduct	-0.58	
			For 6 Gauge Fabric, Add	1.86	
			For 1" Mesh Fabric, Add	1.74	
			For 1-3/4" Mesh Fabric, Add	0.70	
			For 2-1/8" Mesh Fabric, Deduct	-0.35	
			For 2-3/8" Mesh Fabric, Deduct	-0.46	
32 31	13 13-0149	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	5.55	0.91
			For 2 Oz Galvanized Coating, Add	0.68	
			For 13 Gauge Fabric, Deduct	-1.22	
			For 11 Gauge Fabric, Deduct	-0.68	
			For 6 Gauge Fabric, Add	2.16	
			For 1" Mesh Fabric, Add	2.03	
			For 1-3/4" Mesh Fabric, Add	0.81	
			For 2-1/8" Mesh Fabric, Deduct	-0.41	
			For 2-3/8" Mesh Fabric, Deduct	-0.54	
32 31	13 13-0150	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	6.02	1.02
			For 2 Oz Galvanized Coating, Add	0.74	
			For 13 Gauge Fabric, Deduct	-1.34	
			For 11 Gauge Fabric, Deduct	-0.74	
			For 6 Gauge Fabric, Add	2.38	
			For 1" Mesh Fabric, Add	2.23	
			For 1-3/4" Mesh Fabric, Add	0.89	
			For 2-1/8" Mesh Fabric, Deduct	-0.45	
			For 2-3/8" Mesh Fabric, Deduct	-0.59	
32 31	13 13-0151	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	6.96	1.22
			For 2 Oz Galvanized Coating, Add	0.93	
			For 13 Gauge Fabric, Deduct	-1.67	
			For 11 Gauge Fabric, Deduct	-0.93	
			For 6 Gauge Fabric, Add	2.97	
			For 1" Mesh Fabric, Add	2.78	
			For 1-3/4" Mesh Fabric, Add	1.11	
			For 2-1/8" Mesh Fabric, Deduct	-0.56	
			For 2-3/8" Mesh Fabric, Deduct	-0.74	
32 31	13 13-0152	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	7.94	1.42
			For 2 Oz Galvanized Coating, Add	1.11	
			For 13 Gauge Fabric, Deduct	-2.00	
			For 11 Gauge Fabric, Deduct	-1.11	
			For 6 Gauge Fabric, Add	3.56	
			For 1" Mesh Fabric, Add	3.34	
			For 1-3/4" Mesh Fabric, Add	1.34	
			For 2-1/8" Mesh Fabric, Deduct	-0.67	
			For 2-3/8" Mesh Fabric, Deduct	-0.89	
32 31	13 13-0153	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	8.94	1.63
			For 2 Oz Galvanized Coating, Add	1.30	
			For 13 Gauge Fabric, Deduct	-2.34	
			For 11 Gauge Fabric, Deduct	-1.30	
			For 6 Gauge Fabric, Add	4.15	
			For 1" Mesh Fabric, Add	3.89	
			For 1-3/4" Mesh Fabric, Add	1.56	
			For 2-1/8" Mesh Fabric, Deduct	-0.78	
			For 2-3/8" Mesh Fabric, Deduct	-1.04	
32 31	13 13-0154	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	9.99	2.03
			For 2 Oz Galvanized Coating, Add	1.48	
			For 13 Gauge Fabric, Deduct	-2.67	
			For 11 Gauge Fabric, Deduct	-1.48	
			For 6 Gauge Fabric, Add	4.74	
			For 1" Mesh Fabric, Add	4.45	
			For 1-3/4" Mesh Fabric, Add	1.78	
			For 2-1/8" Mesh Fabric, Deduct	-0.89	
			For 2-3/8" Mesh Fabric, Deduct	-1.19	
32 31	13 13-0155	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.18	2.23
			For 2 Oz Galvanized Coating, Add	1.93	
			For 13 Gauge Fabric, Deduct	-3.47	
			For 11 Gauge Fabric, Deduct	-1.93	
			For 6 Gauge Fabric, Add	6.16	
			For 1" Mesh Fabric, Add	5.78	
			For 1-3/4" Mesh Fabric, Add	2.31	
			For 2-1/8" Mesh Fabric, Deduct	-1.16	
			For 2-3/8" Mesh Fabric, Deduct	-1.54	
32 31	13 13-0156	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	14.10	2.44
			For 2 Oz Galvanized Coating, Add	2.31	
			For 13 Gauge Fabric, Deduct	-4.15	
			For 11 Gauge Fabric, Deduct	-2.31	
			For 6 Gauge Fabric, Add	7.38	
			For 1" Mesh Fabric, Add	6.92	
			For 1-3/4" Mesh Fabric, Add	2.77	
			For 2-1/8" Mesh Fabric, Deduct	-1.38	
			For 2-3/8" Mesh Fabric, Deduct	-1.85	
32 31	13 13-0157	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	15.61	2.85
			For 2 Oz Galvanized Coating, Add	2.48	
			For 13 Gauge Fabric, Deduct	-4.46	
			For 11 Gauge Fabric, Deduct	-2.48	
			For 6 Gauge Fabric, Add	7.94	
			For 1" Mesh Fabric, Add	7.44	
			For 1-3/4" Mesh Fabric, Add	2.98	
			For 2-1/8" Mesh Fabric, Deduct	-1.49	
			For 2-3/8" Mesh Fabric, Deduct	-1.98	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0158	LF	16'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	17.10	3.25
			<i>For 2 Oz Galvanized Coating, Add</i>	2.65	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.77	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.65	
			<i>For 6 Gauge Fabric, Add</i>	8.48	
			<i>For 1" Mesh Fabric, Add</i>	7.95	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.18	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.59	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.12	
32 31 13 13-0159			Fabric, Vinyl Coated Chain Link <small>(32 31 13 13-0146)</small>		
32 31 13 13-0160	LF	4'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	6.96	0.81
			<i>For 13 Gauge Fabric, Deduct</i>	-1.76	
			<i>For 11 Gauge Fabric, Deduct</i>	-0.98	
			<i>For 6 Gauge Fabric, Add</i>	3.13	
			<i>For 1" Mesh Fabric, Add</i>	2.93	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.17	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.59	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.78	
			<i>For Aluminum Coated, Add</i>	1.56	
32 31 13 13-0161	LF	5'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	8.14	1.22
			<i>For 13 Gauge Fabric, Deduct</i>	-2.20	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.22	
			<i>For 6 Gauge Fabric, Add</i>	3.91	
			<i>For 1" Mesh Fabric, Add</i>	3.67	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.47	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.73	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.98	
			<i>For Aluminum Coated, Add</i>	1.96	
32 31 13 13-0162	LF	6'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	10.35	1.42
			<i>For 13 Gauge Fabric, Deduct</i>	-3.09	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.72	
			<i>For 6 Gauge Fabric, Add</i>	5.49	
			<i>For 1" Mesh Fabric, Add</i>	5.15	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.06	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.03	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.37	
			<i>For Aluminum Coated, Add</i>	2.74	
32 31 13 13-0163	LF	7'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	11.74	1.63
			<i>For 13 Gauge Fabric, Deduct</i>	-3.60	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.00	
			<i>For 6 Gauge Fabric, Add</i>	6.39	
			<i>For 1" Mesh Fabric, Add</i>	5.99	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.40	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.20	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.60	
			<i>For Aluminum Coated, Add</i>	3.20	
32 31 13 13-0164	LF	8'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	13.26	2.03
			<i>For 13 Gauge Fabric, Deduct</i>	-4.14	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.30	
			<i>For 6 Gauge Fabric, Add</i>	7.36	
			<i>For 1" Mesh Fabric, Add</i>	6.90	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.76	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.38	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.84	
			<i>For Aluminum Coated, Add</i>	3.68	
32 31 13 13-0165	LF	10'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	15.93	2.23
			<i>For 13 Gauge Fabric, Deduct</i>	-5.15	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.86	
			<i>For 6 Gauge Fabric, Add</i>	9.16	
			<i>For 1" Mesh Fabric, Add</i>	8.59	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.44	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.72	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.29	
			<i>For Aluminum Coated, Add</i>	4.58	
32 31 13 13-0166	LF	12'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	17.39	2.44
			<i>For 13 Gauge Fabric, Deduct</i>	-5.63	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.13	
			<i>For 6 Gauge Fabric, Add</i>	10.02	
			<i>For 1" Mesh Fabric, Add</i>	9.39	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.76	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.88	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.50	
			<i>For Aluminum Coated, Add</i>	5.01	
32 31 13 13-0167	LF	14'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	19.47	2.85
			<i>For 13 Gauge Fabric, Deduct</i>	-6.20	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.45	
			<i>For 6 Gauge Fabric, Add</i>	11.02	
			<i>For 1" Mesh Fabric, Add</i>	10.34	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.13	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.07	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.76	
			<i>For Aluminum Coated, Add</i>	5.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0168 LF 16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	21.60 -6.80 -3.78 12.08 11.33 4.53 -2.27 -3.02 6.04	3.25
32 31 13 13-0169 Fabric, Aluminized Steel Chain Link <small>(32 31 13 13-0146)</small>		
32 31 13 13-0170 LF 3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	4.86 1.78 2.33	0.81
32 31 13 13-0171 LF 3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	5.44 2.07 2.72	0.91
32 31 13 13-0172 LF 4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	6.01 2.37 3.11	1.02
32 31 13 13-0173 LF 5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	6.95 2.96 3.89	1.22
32 31 13 13-0174 LF 6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	7.91 3.54 4.64	1.42
32 31 13 13-0175 LF 7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	8.92 4.14 5.43	1.63
32 31 13 13-0176 LF 8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	9.97 4.73 6.21	2.03
32 31 13 13-0177 LF 10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	11.86 5.90 7.75	2.23
32 31 13 13-0178 LF 12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	13.72 7.08 9.29	2.44
32 31 13 13-0179 Fabric, All Aluminum Chain Link <small>(32 31 13 13-0146)</small>		
32 31 13 13-0180 LF 3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	8.46 4.66 6.11	0.81
32 31 13 13-0181 LF 3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	9.64 5.43 7.13	0.91
32 31 13 13-0182 LF 4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	10.81 6.21 8.15	1.02
32 31 13 13-0183 LF 5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.95 7.76 10.19	1.22
32 31 13 13-0184 LF 6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	15.13 9.31 12.22	1.42
32 31 13 13-0185 LF 7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	17.33 10.86 14.26	1.63
32 31 13 13-0186 LF 8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	19.58 12.42 16.30	2.03
32 31 13 13-0187 LF 10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	23.87 15.51 20.36	2.23
32 31 13 13-0188 LF 12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	28.14 18.62 24.43	2.44
32 31 13 13-0189 Fence Inserts <small>(32 31 13 13-0146)</small> Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13 13-0190 Vinyl Plastic Fence Inserts <small>(32 31 13 13-0189)</small> Note: Assorted colors.		
32 31 13 13-0191 LF 3' High Fence, Vinyl Plastic Fence Insert.....	3.62	
32 31 13 13-0192 LF 3-1/2' High Fence, Vinyl Plastic Fence Insert	4.10	
32 31 13 13-0193 LF 4' High Fence, Vinyl Plastic Fence Insert.....	4.53	
32 31 13 13-0194 LF 5' High Fence, Vinyl Plastic Fence Insert.....	5.67	
32 31 13 13-0195 LF 6' High Fence, Vinyl Plastic Fence Insert.....	6.78	
32 31 13 13-0196 LF 7' High Fence, Vinyl Plastic Fence Insert.....	7.93	
32 31 13 13-0197 LF 8' High Fence, Vinyl Plastic Fence Insert.....	9.04	
32 31 13 13-0198 LF 10' High Fence, Vinyl Plastic Fence Insert.....	11.32	
32 31 13 13-0199 Aluminum Fence Inserts <small>(32 31 13 13-0189)</small> Note: Assorted colors.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0200	LF	3' High Fence, Aluminum Fence Insert.....	9.20	
32 31 13 13-0201	LF	3-1/2' High Fence, Aluminum Fence Insert.....	10.09	
32 31 13 13-0202	LF	4' High Fence, Aluminum Fence Insert.....	11.48	
32 31 13 13-0203	LF	5' High Fence, Aluminum Fence Insert.....	14.37	
32 31 13 13-0204	LF	6' High Fence, Aluminum Fence Insert.....	17.23	
32 31 13 13-0205	LF	7' High Fence, Aluminum Fence Insert.....	18.74	
32 31 13 13-0206	LF	8' High Fence, Aluminum Fence Insert.....	22.97	
32 31 13 13-0207	LF	10' High Fence, Aluminum Fence Insert.....	28.58	
32 31 13 13-0208		Redwood Fence Inserts (32 31 13 13-0189)		
32 31 13 13-0209	LF	4' High Fence, Redwood Fence Insert.....	8.01	
32 31 13 13-0210	LF	5' High Fence, Redwood Fence Insert.....	10.05	
32 31 13 13-0211	LF	6' High Fence, Redwood Fence Insert.....	12.06	
32 31 13 13-0212	LF	7' High Fence, Redwood Fence Insert.....	14.06	
32 31 13 13-0213	LF	8' High Fence, Redwood Fence Insert.....	16.09	
32 31 13 13-0214		Diagonal Flexible Polyethylene Inserts (32 31 13 13-0189)		
32 31 13 13-0215	SF	Diagonal Polyethylene Fence Weave.....	1.63	
32 31 13 13-0216		Hedge Link Fence Inserts (32 31 13 13-0189)		
32 31 13 13-0217	LF	3' High Fence, Hedge Link Fence Insert.....	9.52	
32 31 13 13-0218	LF	3-1/2' High Fence, Hedge Link Fence Insert.....	10.86	
32 31 13 13-0219	LF	4' High Fence, Hedge Link Fence Insert.....	12.53	
32 31 13 13-0220	LF	5' High Fence, Hedge Link Fence Insert.....	15.40	
32 31 13 13-0221	LF	6' High Fence, Hedge Link Fence Insert.....	17.41	
32 31 13 13-0222	LF	7' High Fence, Hedge Link Fence Insert.....	22.40	
32 31 13 13-0223	LF	8' High Fence, Hedge Link Fence Insert.....	25.40	
32 31 13 13-0224	LF	10' High Fence, Hedge Link Fence Insert.....	30.57	
32 31 13 13-0225	LF	12' High Fence, Hedge Link Fence Insert.....	35.11	
32 31 13 13-0226		Fence Windscreen Fabric (32 31 13 13-0146)		
		Note: Includes plastic wire clips.		
32 31 13 13-0227	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY.....	1.10	
		For Sewn Boxed Vent (Each), Add	15.43	
		For Welded Boxed Vent (Each), Add	7.72	
		For 4' x 4' One Color Logo (Each), Add	321.52	
32 31 13 13-0228		Gates (32 31 13 13)		
		Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 08 79 00 00-0001 for padlocks, 08 79 00 00-0002 for padlocks, 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0229		Galvanized Steel Without Barbed Wire (32 31 13 13-0228)		
		Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0230		4' Fence Height (32 31 13 13-0229)		
32 31 13 13-0231	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	137.92	7.74
		For Gate With Single Barb Wire Arm, Add	12.51	
		For Gate With Double Barb Wire Arm, Add	18.20	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-21.32	
		For Aluminized Steel Gate And Post, Add	54.59	
		For Powder Coated Gate And Post, Add	29.57	
32 31 13 13-0232	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	175.82	8.06
		For Gate With Single Barb Wire Arm, Add	16.68	
		For Gate With Double Barb Wire Arm, Add	24.26	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-28.43	
		For Aluminized Steel Gate And Post, Add	72.78	
		For Powder Coated Gate And Post, Add	39.42	
32 31 13 13-0233	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	208.88	8.58
		For Gate With Single Barb Wire Arm, Add	20.14	
		For Gate With Double Barb Wire Arm, Add	29.29	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.33	
		For Aluminized Steel Gate And Post, Add	87.87	
		For Powder Coated Gate And Post, Add	47.60	
32 31 13 13-0234	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	245.48	10.32
		For Gate With Single Barb Wire Arm, Add	23.60	
		For Gate With Double Barb Wire Arm, Add	34.32	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-40.22	
		For Aluminized Steel Gate And Post, Add	102.96	
		For Powder Coated Gate And Post, Add	55.77	
32 31 13 13-0235	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	282.07	12.03
		For Gate With Single Barb Wire Arm, Add	27.05	
		For Gate With Double Barb Wire Arm, Add	39.35	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.11	
		For Aluminized Steel Gate And Post, Add	118.05	
		For Powder Coated Gate And Post, Add	63.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0236	EA		8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	319.96	13.75
			For Gate With Single Barb Wire Arm, Add	30.65	
			For Gate With Double Barb Wire Arm, Add	44.59	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-52.25	
			For Aluminized Steel Gate And Post, Add	133.76	
			For Powder Coated Gate And Post, Add	72.45	
32 31 13 13-0237	EA		9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	356.56	15.48
			For Gate With Single Barb Wire Arm, Add	34.11	
			For Gate With Double Barb Wire Arm, Add	49.62	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-58.15	
			For Aluminized Steel Gate And Post, Add	148.85	
			For Powder Coated Gate And Post, Add	80.63	
32 31 13 13-0238	EA		10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	393.71	17.20
			For Gate With Single Barb Wire Arm, Add	37.63	
			For Gate With Double Barb Wire Arm, Add	54.74	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-64.14	
			For Aluminized Steel Gate And Post, Add	164.21	
			For Powder Coated Gate And Post, Add	88.95	
32 31 13 13-0239	EA		10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	506.51	17.20
			For Gate With Single Barb Wire Arm, Add	50.04	
			For Gate With Double Barb Wire Arm, Add	72.78	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.29	
			For Aluminized Steel Gate And Post, Add	218.35	
			For Powder Coated Gate And Post, Add	118.27	
32 31 13 13-0240	EA		12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	601.18	18.42
			For Gate With Single Barb Wire Arm, Add	60.05	
			For Gate With Double Barb Wire Arm, Add	87.34	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-102.35	
			For Aluminized Steel Gate And Post, Add	262.02	
			For Powder Coated Gate And Post, Add	141.93	
32 31 13 13-0241	EA		14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	696.41	19.84
			For Gate With Single Barb Wire Arm, Add	70.05	
			For Gate With Double Barb Wire Arm, Add	101.90	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-119.41	
			For Aluminized Steel Gate And Post, Add	305.69	
			For Powder Coated Gate And Post, Add	165.58	
32 31 13 13-0242	EA		16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	792.37	21.49
			For Gate With Single Barb Wire Arm, Add	80.06	
			For Gate With Double Barb Wire Arm, Add	116.46	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-136.47	
			For Aluminized Steel Gate And Post, Add	349.37	
			For Powder Coated Gate And Post, Add	189.24	
32 31 13 13-0243	EA		18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	909.06	30.04
			For Gate With Single Barb Wire Arm, Add	90.07	
			For Gate With Double Barb Wire Arm, Add	131.01	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-153.53	
			For Aluminized Steel Gate And Post, Add	393.04	
			For Powder Coated Gate And Post, Add	212.90	
32 31 13 13-0244	EA		20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,006.49	32.19
			For Gate With Single Barb Wire Arm, Add	100.08	
			For Gate With Double Barb Wire Arm, Add	145.57	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-170.59	
			For Aluminized Steel Gate And Post, Add	436.71	
			For Powder Coated Gate And Post, Add	236.55	
32 31 13 13-0245	EA		22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,102.68	34.68
			For Gate With Single Barb Wire Arm, Add	109.84	
			For Gate With Double Barb Wire Arm, Add	159.77	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-187.23	
			For Aluminized Steel Gate And Post, Add	479.31	
			For Powder Coated Gate And Post, Add	259.63	
32 31 13 13-0246	EA		24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,200.12	37.56
			For Gate With Single Barb Wire Arm, Add	119.61	
			For Gate With Double Barb Wire Arm, Add	173.97	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-203.87	
			For Aluminized Steel Gate And Post, Add	521.92	
			For Powder Coated Gate And Post, Add	282.71	
32 31 13 13-0247	EA		26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,299.13	40.98
			For Gate With Single Barb Wire Arm, Add	129.37	
			For Gate With Double Barb Wire Arm, Add	188.17	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-220.52	
			For Aluminized Steel Gate And Post, Add	564.52	
			For Powder Coated Gate And Post, Add	305.78	
32 31 13 13-0248	EA		28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,366.92	45.09
			For Gate With Single Barb Wire Arm, Add	135.47	
			For Gate With Double Barb Wire Arm, Add	197.05	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-230.92	
			For Aluminized Steel Gate And Post, Add	591.15	
			For Powder Coated Gate And Post, Add	320.21	
32 31 13 13-0249	EA		30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,515.09	50.08
			For Gate With Single Barb Wire Arm, Add	150.12	
			For Gate With Double Barb Wire Arm, Add	218.35	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-255.88	
			For Aluminized Steel Gate And Post, Add	655.06	
			For Powder Coated Gate And Post, Add	354.82	

32 31 13 13-0250 5' Fence Height (32 31 13 13-0229)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

32 31 13 13-0251	EA 3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	166.35	8.58
	For Gate With Single Barb Wire Arm, Add	15.46	
	For Gate With Double Barb Wire Arm, Add	22.49	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-26.35	
	For Aluminized Steel Gate And Post, Add	67.46	
	For Powder Coated Gate And Post, Add	36.54	
32 31 13 13-0252	EA 4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	212.58	8.58
	For Gate With Single Barb Wire Arm, Add	20.54	
	For Gate With Double Barb Wire Arm, Add	29.88	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-35.02	
	For Aluminized Steel Gate And Post, Add	89.65	
	For Powder Coated Gate And Post, Add	48.56	
32 31 13 13-0253	EA 5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	249.32	9.12
	For Gate With Single Barb Wire Arm, Add	24.41	
	For Gate With Double Barb Wire Arm, Add	35.50	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-41.61	
	For Aluminized Steel Gate And Post, Add	106.51	
	For Powder Coated Gate And Post, Add	57.69	
32 31 13 13-0254	EA 6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	291.79	10.97
	For Gate With Single Barb Wire Arm, Add	28.48	
	For Gate With Double Barb Wire Arm, Add	41.42	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.54	
	For Aluminized Steel Gate And Post, Add	124.27	
	For Powder Coated Gate And Post, Add	67.31	
32 31 13 13-0255	EA 7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	330.56	12.77
	For Gate With Single Barb Wire Arm, Add	32.14	
	For Gate With Double Barb Wire Arm, Add	46.75	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.78	
	For Aluminized Steel Gate And Post, Add	140.24	
	For Powder Coated Gate And Post, Add	75.96	
32 31 13 13-0256	EA 8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	373.35	14.71
	For Gate With Single Barb Wire Arm, Add	36.21	
	For Gate With Double Barb Wire Arm, Add	52.67	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.72	
	For Aluminized Steel Gate And Post, Add	158.00	
	For Powder Coated Gate And Post, Add	85.58	
32 31 13 13-0257	EA 9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	413.97	16.55
	For Gate With Single Barb Wire Arm, Add	40.07	
	For Gate With Double Barb Wire Arm, Add	58.29	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.30	
	For Aluminized Steel Gate And Post, Add	174.86	
	For Powder Coated Gate And Post, Add	94.72	
32 31 13 13-0258	EA 10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	454.59	18.36
	For Gate With Single Barb Wire Arm, Add	43.94	
	For Gate With Double Barb Wire Arm, Add	63.91	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-74.89	
	For Aluminized Steel Gate And Post, Add	191.73	
	For Powder Coated Gate And Post, Add	103.85	
32 31 13 13-0259	EA 10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	618.94	18.42
	For Gate With Single Barb Wire Arm, Add	62.00	
	For Gate With Double Barb Wire Arm, Add	90.18	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-105.68	
	For Aluminized Steel Gate And Post, Add	270.55	
	For Powder Coated Gate And Post, Add	146.55	
32 31 13 13-0260	EA 12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	736.36	19.84
	For Gate With Single Barb Wire Arm, Add	74.45	
	For Gate With Double Barb Wire Arm, Add	108.29	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.90	
	For Aluminized Steel Gate And Post, Add	324.87	
	For Powder Coated Gate And Post, Add	175.97	
32 31 13 13-0261	EA 14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	854.50	21.49
	For Gate With Single Barb Wire Arm, Add	86.90	
	For Gate With Double Barb Wire Arm, Add	126.40	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-148.12	
	For Aluminized Steel Gate And Post, Add	379.19	
	For Powder Coated Gate And Post, Add	205.39	
32 31 13 13-0262	EA 16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	993.38	30.04
	For Gate With Single Barb Wire Arm, Add	99.35	
	For Gate With Double Barb Wire Arm, Add	144.50	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-169.34	
	For Aluminized Steel Gate And Post, Add	433.51	
	For Powder Coated Gate And Post, Add	234.82	
32 31 13 13-0263	EA 18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,110.78	32.19
	For Gate With Single Barb Wire Arm, Add	111.55	
	For Gate With Double Barb Wire Arm, Add	162.26	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-190.14	
	For Aluminized Steel Gate And Post, Add	486.77	
	For Powder Coated Gate And Post, Add	263.67	
32 31 13 13-0264	EA 20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,233.60	34.68
	For Gate With Single Barb Wire Arm, Add	124.24	
	For Gate With Double Barb Wire Arm, Add	180.72	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-211.78	
	For Aluminized Steel Gate And Post, Add	542.16	
	For Powder Coated Gate And Post, Add	293.67	
32 31 13 13-0265	EA 22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire.....	1,355.45	37.56
	For Gate With Single Barb Wire Arm, Add	136.69	
	For Gate With Double Barb Wire Arm, Add	198.83	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-233.00	
	For Aluminized Steel Gate And Post, Add	596.48	
	For Powder Coated Gate And Post, Add	323.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0266	EA		24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,476.65 148.90 216.58 -253.80 649.73 351.94	40.98
32 31 13 13-0267	EA		26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,604.35 161.59 235.04 -275.44 705.12 381.94	45.09
32 31 13 13-0268	EA		28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,731.16 173.89 252.92 -296.40 758.77 411.00	50.08
32 31 13 13-0269	EA		30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,860.09 186.00 270.55 -317.05 811.64 439.64	56.34
32 31 13 13-0270			6' Fence Height <small>(32 31 13 13-0229)</small>		
32 31 13 13-0271	EA		3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	178.36 16.58 24.11 -28.26 72.34 39.18	9.20
32 31 13 13-0272	EA		4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	228.29 22.07 32.10 -37.62 96.31 52.17	9.20
32 31 13 13-0273	EA		5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	268.18 26.27 38.21 -44.78 114.63 62.09	9.77
32 31 13 13-0274	EA		6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	311.01 30.31 44.08 -51.66 132.25 71.64	11.80
32 31 13 13-0275	EA		7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	355.97 34.58 50.30 -58.94 150.89 81.73	13.87
32 31 13 13-0276	EA		8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	398.77 38.65 56.22 -65.88 168.65 91.35	15.80
32 31 13 13-0277	EA		9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	441.88 42.72 62.13 -72.81 186.40 100.97	17.84
32 31 13 13-0278	EA		10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	468.34 44.95 65.39 -76.63 196.16 106.25	19.87
32 31 13 13-0279	EA		10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	660.91 66.15 96.22 -112.76 288.65 156.35	19.84
32 31 13 13-0280	EA		12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	785.71 79.33 115.39 -135.22 346.17 187.51	21.49

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0281 EA 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	939.92	32.19
For Gate With Single Barb Wire Arm, Add	92.76	
For Gate With Double Barb Wire Arm, Add	134.92	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-158.11	
For Aluminized Steel Gate And Post, Add	404.76	
For Powder Coated Gate And Post, Add	219.24	
32 31 13 13-0282 EA 16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,067.17	34.68
For Gate With Single Barb Wire Arm, Add	105.94	
For Gate With Double Barb Wire Arm, Add	154.09	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-180.57	
For Aluminized Steel Gate And Post, Add	462.27	
For Powder Coated Gate And Post, Add	250.40	
32 31 13 13-0283 EA 18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,197.90	37.56
For Gate With Single Barb Wire Arm, Add	119.36	
For Gate With Double Barb Wire Arm, Add	173.62	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-203.46	
For Aluminized Steel Gate And Post, Add	520.85	
For Powder Coated Gate And Post, Add	282.13	
32 31 13 13-0284 EA 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,330.20	40.98
For Gate With Single Barb Wire Arm, Add	132.79	
For Gate With Double Barb Wire Arm, Add	193.15	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.34	
For Aluminized Steel Gate And Post, Add	579.44	
For Powder Coated Gate And Post, Add	313.86	
32 31 13 13-0285 EA 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,462.34	45.09
For Gate With Single Barb Wire Arm, Add	145.97	
For Gate With Double Barb Wire Arm, Add	212.32	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.81	
For Aluminized Steel Gate And Post, Add	636.96	
For Powder Coated Gate And Post, Add	345.02	
32 31 13 13-0286 EA 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,598.30	50.08
For Gate With Single Barb Wire Arm, Add	159.27	
For Gate With Double Barb Wire Arm, Add	231.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-271.49	
For Aluminized Steel Gate And Post, Add	695.00	
For Powder Coated Gate And Post, Add	376.46	
32 31 13 13-0287 EA 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,736.71	56.34
For Gate With Single Barb Wire Arm, Add	172.43	
For Gate With Double Barb Wire Arm, Add	250.80	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-293.91	
For Aluminized Steel Gate And Post, Add	752.41	
For Powder Coated Gate And Post, Add	407.56	
32 31 13 13-0288 EA 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,882.05	64.37
For Gate With Single Barb Wire Arm, Add	185.76	
For Gate With Double Barb Wire Arm, Add	270.19	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-316.63	
For Aluminized Steel Gate And Post, Add	810.57	
For Powder Coated Gate And Post, Add	439.06	
32 31 13 13-0289 EA 30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,035.65	75.12
For Gate With Single Barb Wire Arm, Add	199.11	
For Gate With Double Barb Wire Arm, Add	289.61	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-339.39	
For Aluminized Steel Gate And Post, Add	868.83	
For Powder Coated Gate And Post, Add	470.62	
32 31 13 13-0290 7' Fence Height (32 31 13 13-0229)		
32 31 13 13-0291 EA 3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	186.95	9.91
For Gate With Single Barb Wire Arm, Add	17.29	
For Gate With Double Barb Wire Arm, Add	25.15	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-29.47	
For Aluminized Steel Gate And Post, Add	75.45	
For Powder Coated Gate And Post, Add	40.87	
32 31 13 13-0292 EA 4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	238.73	9.91
For Gate With Single Barb Wire Arm, Add	22.99	
For Gate With Double Barb Wire Arm, Add	33.43	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-39.18	
For Aluminized Steel Gate And Post, Add	100.30	
For Powder Coated Gate And Post, Add	54.33	
32 31 13 13-0293 EA 5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	282.19	10.42
For Gate With Single Barb Wire Arm, Add	27.60	
For Gate With Double Barb Wire Arm, Add	40.14	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-47.04	
For Aluminized Steel Gate And Post, Add	120.43	
For Powder Coated Gate And Post, Add	65.23	
32 31 13 13-0294 EA 6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	345.91	12.68
For Gate With Single Barb Wire Arm, Add	33.86	
For Gate With Double Barb Wire Arm, Add	49.26	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.72	
For Aluminized Steel Gate And Post, Add	147.77	
For Powder Coated Gate And Post, Add	80.04	
32 31 13 13-0295 EA 7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	409.35	14.84
For Gate With Single Barb Wire Arm, Add	40.13	
For Gate With Double Barb Wire Arm, Add	58.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.41	
For Aluminized Steel Gate And Post, Add	175.12	
For Powder Coated Gate And Post, Add	94.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0296	EA		8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	473.07	17.06
			For Gate With Single Barb Wire Arm, Add	46.40	
			For Gate With Double Barb Wire Arm, Add	67.48	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-79.08	
			For Aluminized Steel Gate And Post, Add	202.45	
			For Powder Coated Gate And Post, Add	109.66	
32 31 13 13-0297	EA		9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	536.50	19.23
			For Gate With Single Barb Wire Arm, Add	52.66	
			For Gate With Double Barb Wire Arm, Add	76.60	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.77	
			For Aluminized Steel Gate And Post, Add	229.80	
			For Powder Coated Gate And Post, Add	124.48	
32 31 13 13-0298	EA		10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	589.97	21.49
			For Gate With Single Barb Wire Arm, Add	57.80	
			For Gate With Double Barb Wire Arm, Add	84.07	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.52	
			For Aluminized Steel Gate And Post, Add	252.22	
			For Powder Coated Gate And Post, Add	136.62	
32 31 13 13-0299	EA		10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	754.24	21.49
			For Gate With Single Barb Wire Arm, Add	75.87	
			For Gate With Double Barb Wire Arm, Add	110.36	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-129.32	
			For Aluminized Steel Gate And Post, Add	331.07	
			For Powder Coated Gate And Post, Add	179.33	
32 31 13 13-0300	EA		12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	863.59	32.19
			For Gate With Single Barb Wire Arm, Add	84.36	
			For Gate With Double Barb Wire Arm, Add	122.71	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.80	
			For Aluminized Steel Gate And Post, Add	368.12	
			For Powder Coated Gate And Post, Add	199.40	
32 31 13 13-0301	EA		14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	998.84	34.68
			For Gate With Single Barb Wire Arm, Add	98.42	
			For Gate With Double Barb Wire Arm, Add	143.16	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-167.76	
			For Aluminized Steel Gate And Post, Add	429.47	
			For Powder Coated Gate And Post, Add	232.63	
32 31 13 13-0302	EA		16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,124.67	37.56
			For Gate With Single Barb Wire Arm, Add	111.31	
			For Gate With Double Barb Wire Arm, Add	161.90	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-189.73	
			For Aluminized Steel Gate And Post, Add	485.70	
			For Powder Coated Gate And Post, Add	263.09	
32 31 13 13-0303	EA		18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,263.63	40.98
			For Gate With Single Barb Wire Arm, Add	125.46	
			For Gate With Double Barb Wire Arm, Add	182.49	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-213.86	
			For Aluminized Steel Gate And Post, Add	547.48	
			For Powder Coated Gate And Post, Add	296.55	
32 31 13 13-0304	EA		20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,402.42	45.09
			For Gate With Single Barb Wire Arm, Add	139.38	
			For Gate With Double Barb Wire Arm, Add	202.73	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-237.58	
			For Aluminized Steel Gate And Post, Add	608.19	
			For Powder Coated Gate And Post, Add	329.44	
32 31 13 13-0305	EA		22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,543.94	50.08
			For Gate With Single Barb Wire Arm, Add	153.29	
			For Gate With Double Barb Wire Arm, Add	222.97	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-261.29	
			For Aluminized Steel Gate And Post, Add	668.91	
			For Powder Coated Gate And Post, Add	362.33	
32 31 13 13-0306	EA		24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,689.22	56.34
			For Gate With Single Barb Wire Arm, Add	167.20	
			For Gate With Double Barb Wire Arm, Add	243.21	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-285.01	
			For Aluminized Steel Gate And Post, Add	729.62	
			For Powder Coated Gate And Post, Add	395.21	
32 31 13 13-0307	EA		26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,839.89	64.37
			For Gate With Single Barb Wire Arm, Add	181.12	
			For Gate With Double Barb Wire Arm, Add	263.44	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-308.72	
			For Aluminized Steel Gate And Post, Add	790.33	
			For Powder Coated Gate And Post, Add	428.10	
32 31 13 13-0308	EA		28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,998.59	75.12
			For Gate With Single Barb Wire Arm, Add	195.03	
			For Gate With Double Barb Wire Arm, Add	283.68	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-332.44	
			For Aluminized Steel Gate And Post, Add	851.04	
			For Powder Coated Gate And Post, Add	460.98	
32 31 13 13-0309	EA		30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,170.19	90.13
			For Gate With Single Barb Wire Arm, Add	208.95	
			For Gate With Double Barb Wire Arm, Add	303.92	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-356.16	
			For Aluminized Steel Gate And Post, Add	911.76	
			For Powder Coated Gate And Post, Add	493.87	

32 31 13 13-0310 8' Fence Height (32 31 13 13-0229)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0311	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	219.97	10.74
			For Gate With Single Barb Wire Arm, Add	20.65	
			For Gate With Double Barb Wire Arm, Add	30.04	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-35.20	
			For Aluminized Steel Gate And Post, Add	90.11	
			For Powder Coated Gate And Post, Add	48.81	
32 31	13 13-0312	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	282.55	10.74
			For Gate With Single Barb Wire Arm, Add	27.53	
			For Gate With Double Barb Wire Arm, Add	40.05	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.93	
			For Aluminized Steel Gate And Post, Add	120.14	
			For Powder Coated Gate And Post, Add	65.08	
32 31	13 13-0313	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	330.34	11.96
			For Gate With Single Barb Wire Arm, Add	32.38	
			For Gate With Double Barb Wire Arm, Add	47.10	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-55.19	
			For Aluminized Steel Gate And Post, Add	141.30	
			For Powder Coated Gate And Post, Add	76.54	
32 31	13 13-0314	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	379.10	13.55
			For Gate With Single Barb Wire Arm, Add	37.23	
			For Gate With Double Barb Wire Arm, Add	54.15	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.46	
			For Aluminized Steel Gate And Post, Add	162.46	
			For Powder Coated Gate And Post, Add	88.00	
32 31	13 13-0315	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	431.57	16.33
			For Gate With Single Barb Wire Arm, Add	42.08	
			For Gate With Double Barb Wire Arm, Add	61.21	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.73	
			For Aluminized Steel Gate And Post, Add	183.62	
			For Powder Coated Gate And Post, Add	99.46	
32 31	13 13-0316	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	483.72	18.99
			For Gate With Single Barb Wire Arm, Add	46.93	
			For Gate With Double Barb Wire Arm, Add	68.26	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-79.99	
			For Aluminized Steel Gate And Post, Add	204.78	
			For Powder Coated Gate And Post, Add	110.92	
32 31	13 13-0317	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	536.19	21.81
			For Gate With Single Barb Wire Arm, Add	51.78	
			For Gate With Double Barb Wire Arm, Add	75.31	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.26	
			For Aluminized Steel Gate And Post, Add	225.94	
			For Powder Coated Gate And Post, Add	122.38	
32 31	13 13-0318	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	588.67	24.61
			For Gate With Single Barb Wire Arm, Add	56.63	
			For Gate With Double Barb Wire Arm, Add	82.37	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-96.53	
			For Aluminized Steel Gate And Post, Add	247.10	
			For Powder Coated Gate And Post, Add	133.85	
32 31	13 13-0319	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	868.89	32.19
			For Gate With Single Barb Wire Arm, Add	84.94	
			For Gate With Double Barb Wire Arm, Add	123.55	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-144.79	
			For Aluminized Steel Gate And Post, Add	370.66	
			For Powder Coated Gate And Post, Add	200.77	
32 31	13 13-0320	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,025.01	34.68
			For Gate With Single Barb Wire Arm, Add	101.30	
			For Gate With Double Barb Wire Arm, Add	147.34	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-172.67	
			For Aluminized Steel Gate And Post, Add	442.03	
			For Powder Coated Gate And Post, Add	239.43	
32 31	13 13-0321	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,184.59	37.56
			For Gate With Single Barb Wire Arm, Add	117.90	
			For Gate With Double Barb Wire Arm, Add	171.49	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-200.96	
			For Aluminized Steel Gate And Post, Add	514.46	
			For Powder Coated Gate And Post, Add	278.67	
32 31	13 13-0322	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,350.17	40.98
			For Gate With Single Barb Wire Arm, Add	134.98	
			For Gate With Double Barb Wire Arm, Add	196.34	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-230.09	
			For Aluminized Steel Gate And Post, Add	589.02	
			For Powder Coated Gate And Post, Add	319.05	
32 31	13 13-0323	EA	18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,517.81	45.09
			For Gate With Single Barb Wire Arm, Add	152.07	
			For Gate With Double Barb Wire Arm, Add	221.19	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-259.21	
			For Aluminized Steel Gate And Post, Add	663.58	
			For Powder Coated Gate And Post, Add	359.44	
32 31	13 13-0324	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,685.96	50.08
			For Gate With Single Barb Wire Arm, Add	168.91	
			For Gate With Double Barb Wire Arm, Add	245.69	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-287.92	
			For Aluminized Steel Gate And Post, Add	737.08	
			For Powder Coated Gate And Post, Add	399.25	
32 31	13 13-0325	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,855.65	56.34
			For Gate With Single Barb Wire Arm, Add	185.51	
			For Gate With Double Barb Wire Arm, Add	269.84	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-316.21	
			For Aluminized Steel Gate And Post, Add	809.51	
			For Powder Coated Gate And Post, Add	438.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0326	EA		24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	2,035.16 202.60 294.69 -345.34 884.06 478.87	64.37
32 31 13 13-0327	EA		26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	2,222.72 219.69 319.54 -374.46 958.63 519.26	75.12
32 31 13 13-0328	EA		28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	2,420.94 236.53 344.04 -403.17 1,032.12 559.07	90.13
32 31 13 13-0329	EA		30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	2,641.73 253.37 368.54 -431.88 1,105.61 598.87	112.67
32 31 13 13-0330			10' Fence Height (22 31 13 13-0229)		
32 31 13 13-0331	EA		3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	278.59 26.70 38.84 -45.52 116.52 63.12	11.94
32 31 13 13-0332	EA		4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	359.50 35.60 51.79 -60.69 155.36 84.15	11.94
32 31 13 13-0333	EA		5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	418.09 41.87 60.91 -71.38 182.73 98.98	12.45
32 31 13 13-0334	EA		6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	484.14 48.15 70.03 -82.07 210.09 113.80	15.48
32 31 13 13-0335	EA		7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	549.98 54.41 79.15 -92.75 237.45 128.62	18.36
32 31 13 13-0336	EA		8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	615.87 60.69 88.27 -103.44 264.81 143.44	21.39
32 31 13 13-0337	EA		9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	681.60 66.96 97.39 -114.13 292.18 158.26	24.29
32 31 13 13-0338	EA		10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	747.64 73.23 106.51 -124.82 319.54 173.08	27.29
32 31 13 13-0339	EA		10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,105.98 109.84 159.77 -187.23 479.31 259.63	35.78
32 31 13 13-0340	EA		12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,202.98 119.61 173.97 -203.88 521.92 282.71	38.49

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0341 EA 14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,372.42	41.74
For Gate With Single Barb Wire Arm, Add	137.18	
For Gate With Double Barb Wire Arm, Add	199.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-233.83	
For Aluminized Steel Gate And Post, Add	598.61	
For Powder Coated Gate And Post, Add	324.25	
32 31 13 13-0342 EA 16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,561.28	45.51
For Gate With Single Barb Wire Arm, Add	156.71	
For Gate With Double Barb Wire Arm, Add	227.94	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-267.12	
For Aluminized Steel Gate And Post, Add	683.82	
For Powder Coated Gate And Post, Add	370.40	
32 31 13 13-0343 EA 18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,752.53	50.08
For Gate With Single Barb Wire Arm, Add	176.24	
For Gate With Double Barb Wire Arm, Add	256.34	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-300.40	
For Aluminized Steel Gate And Post, Add	769.03	
For Powder Coated Gate And Post, Add	416.56	
32 31 13 13-0344 EA 20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,947.80	55.62
For Gate With Single Barb Wire Arm, Add	195.89	
For Gate With Double Barb Wire Arm, Add	284.92	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-333.90	
For Aluminized Steel Gate And Post, Add	854.77	
For Powder Coated Gate And Post, Add	463.00	
32 31 13 13-0345 EA 22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,147.39	62.59
For Gate With Single Barb Wire Arm, Add	215.54	
For Gate With Double Barb Wire Arm, Add	313.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-367.39	
For Aluminized Steel Gate And Post, Add	940.52	
For Powder Coated Gate And Post, Add	509.45	
32 31 13 13-0346 EA 24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,351.64	71.48
For Gate With Single Barb Wire Arm, Add	235.06	
For Gate With Double Barb Wire Arm, Add	341.91	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-400.68	
For Aluminized Steel Gate And Post, Add	1,025.73	
For Powder Coated Gate And Post, Add	555.60	
32 31 13 13-0347 EA 26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,565.10	83.45
For Gate With Single Barb Wire Arm, Add	254.59	
For Gate With Double Barb Wire Arm, Add	370.31	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-433.96	
For Aluminized Steel Gate And Post, Add	1,110.94	
For Powder Coated Gate And Post, Add	601.76	
32 31 13 13-0348 EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,792.49	100.07
For Gate With Single Barb Wire Arm, Add	274.12	
For Gate With Double Barb Wire Arm, Add	398.72	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-467.25	
For Aluminized Steel Gate And Post, Add	1,196.15	
For Powder Coated Gate And Post, Add	647.91	
32 31 13 13-0349 EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,047.69	125.20
For Gate With Single Barb Wire Arm, Add	293.89	
For Gate With Double Barb Wire Arm, Add	427.48	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-500.95	
For Aluminized Steel Gate And Post, Add	1,282.43	
For Powder Coated Gate And Post, Add	694.65	
32 31 13 13-0350 12' Fence Height <small>(32 31 13 13-0229)</small>	350.54	13.26
32 31 13 13-0351 EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	350.54	13.26
For Gate With Single Barb Wire Arm, Add	34.18	
For Gate With Double Barb Wire Arm, Add	49.72	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-58.26	
For Aluminized Steel Gate And Post, Add	149.15	
For Powder Coated Gate And Post, Add	80.79	
32 31 13 13-0352 EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	454.11	13.26
For Gate With Single Barb Wire Arm, Add	45.57	
For Gate With Double Barb Wire Arm, Add	66.29	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.68	
For Aluminized Steel Gate And Post, Add	198.86	
For Powder Coated Gate And Post, Add	107.72	
32 31 13 13-0353 EA 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	528.55	13.75
For Gate With Single Barb Wire Arm, Add	53.60	
For Gate With Double Barb Wire Arm, Add	77.96	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-91.36	
For Aluminized Steel Gate And Post, Add	233.88	
For Powder Coated Gate And Post, Add	126.69	
32 31 13 13-0354 EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	611.52	17.06
For Gate With Single Barb Wire Arm, Add	61.63	
For Gate With Double Barb Wire Arm, Add	89.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-105.04	
For Aluminized Steel Gate And Post, Add	268.91	
For Powder Coated Gate And Post, Add	145.66	
32 31 13 13-0355 EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	694.47	20.42
For Gate With Single Barb Wire Arm, Add	69.65	
For Gate With Double Barb Wire Arm, Add	101.31	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.72	
For Aluminized Steel Gate And Post, Add	303.93	
For Powder Coated Gate And Post, Add	164.63	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0356	EA		8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire 777.11		23.64
			For Gate With Single Barb Wire Arm, Add	77.68	
			For Gate With Double Barb Wire Arm, Add	112.98	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.40	
			For Aluminized Steel Gate And Post, Add	338.95	
			For Powder Coated Gate And Post, Add	183.60	
32 31 13 13-0357	EA		9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire 860.09		26.97
			For Gate With Single Barb Wire Arm, Add	85.70	
			For Gate With Double Barb Wire Arm, Add	124.66	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-146.09	
			For Aluminized Steel Gate And Post, Add	373.98	
			For Powder Coated Gate And Post, Add	202.57	
32 31 13 13-0358	EA		10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire 943.06		30.29
			For Gate With Single Barb Wire Arm, Add	93.73	
			For Gate With Double Barb Wire Arm, Add	136.33	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-159.77	
			For Aluminized Steel Gate And Post, Add	409.00	
			For Powder Coated Gate And Post, Add	221.54	
32 31 13 13-0359	EA		10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire 1,306.54		39.76
			For Gate With Single Barb Wire Arm, Add	130.59	
			For Gate With Double Barb Wire Arm, Add	189.95	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.60	
			For Aluminized Steel Gate And Post, Add	569.85	
			For Powder Coated Gate And Post, Add	308.67	
32 31 13 13-0360	EA		12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire 1,433.26		42.80
			For Gate With Single Barb Wire Arm, Add	143.53	
			For Gate With Double Barb Wire Arm, Add	208.77	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-244.65	
			For Aluminized Steel Gate And Post, Add	626.30	
			For Powder Coated Gate And Post, Add	339.25	
32 31 13 13-0361	EA		14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire 1,634.88		46.35
			For Gate With Single Barb Wire Arm, Add	164.52	
			For Gate With Double Barb Wire Arm, Add	239.30	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-280.43	
			For Aluminized Steel Gate And Post, Add	717.90	
			For Powder Coated Gate And Post, Add	388.86	
32 31 13 13-0362	EA		16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire 1,860.53		50.55
			For Gate With Single Barb Wire Arm, Add	187.95	
			For Gate With Double Barb Wire Arm, Add	273.39	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-320.37	
			For Aluminized Steel Gate And Post, Add	820.16	
			For Powder Coated Gate And Post, Add	444.25	
32 31 13 13-0363	EA		18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire 2,088.71		55.66
			For Gate With Single Barb Wire Arm, Add	211.39	
			For Gate With Double Barb Wire Arm, Add	307.47	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-360.32	
			For Aluminized Steel Gate And Post, Add	922.41	
			For Powder Coated Gate And Post, Add	499.64	
32 31 13 13-0364	EA		20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire 2,322.45		61.80
			For Gate With Single Barb Wire Arm, Add	235.06	
			For Gate With Double Barb Wire Arm, Add	341.91	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-400.68	
			For Aluminized Steel Gate And Post, Add	1,025.73	
			For Powder Coated Gate And Post, Add	555.60	
32 31 13 13-0365	EA		22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire 2,558.83		69.53
			For Gate With Single Barb Wire Arm, Add	258.50	
			For Gate With Double Barb Wire Arm, Add	375.99	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-440.62	
			For Aluminized Steel Gate And Post, Add	1,127.98	
			For Powder Coated Gate And Post, Add	610.99	
32 31 13 13-0366	EA		24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire 2,803.77		79.44
			For Gate With Single Barb Wire Arm, Add	282.17	
			For Gate With Double Barb Wire Arm, Add	410.43	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-480.98	
			For Aluminized Steel Gate And Post, Add	1,231.30	
			For Powder Coated Gate And Post, Add	666.95	
32 31 13 13-0367	EA		26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire 3,054.51		92.75
			For Gate With Single Barb Wire Arm, Add	305.36	
			For Gate With Double Barb Wire Arm, Add	444.16	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-520.50	
			For Aluminized Steel Gate And Post, Add	1,332.49	
			For Powder Coated Gate And Post, Add	721.77	
32 31 13 13-0368	EA		28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire 3,322.94		111.20
			For Gate With Single Barb Wire Arm, Add	328.80	
			For Gate With Double Barb Wire Arm, Add	478.25	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-560.45	
			For Aluminized Steel Gate And Post, Add	1,434.74	
			For Powder Coated Gate And Post, Add	777.15	
32 31 13 13-0369	EA		30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire 3,622.03		139.11
			For Gate With Single Barb Wire Arm, Add	352.47	
			For Gate With Double Barb Wire Arm, Add	512.69	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-600.80	
			For Aluminized Steel Gate And Post, Add	1,538.06	
			For Powder Coated Gate And Post, Add	833.12	

32 31 13 13-0370

Vinyl Coated Without Barb Wire Arm (32 31 13 13-0228)

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0371 4' Fence Height (32 31 13 13-0370)		
32 31 13 13-0372 EA 3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	172.26	8.06
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.76	
For Gate With Single Barb Wire Arm, Add	16.29	
For Gate With Double Barb Wire Arm, Add	23.69	
32 31 13 13-0373 EA 4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	221.62	8.06
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-37.02	
For Gate With Single Barb Wire Arm, Add	21.72	
For Gate With Double Barb Wire Arm, Add	31.59	
32 31 13 13-0374 EA 5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	264.38	8.58
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-44.73	
For Gate With Single Barb Wire Arm, Add	26.24	
For Gate With Double Barb Wire Arm, Add	38.17	
32 31 13 13-0375 EA 6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	310.66	10.32
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-52.44	
For Gate With Single Barb Wire Arm, Add	30.77	
For Gate With Double Barb Wire Arm, Add	44.75	
32 31 13 13-0376 EA 7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	356.95	12.03
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-60.15	
For Gate With Single Barb Wire Arm, Add	35.29	
For Gate With Double Barb Wire Arm, Add	51.33	
32 31 13 13-0377 EA 8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	403.25	13.75
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.87	
For Gate With Single Barb Wire Arm, Add	39.82	
For Gate With Double Barb Wire Arm, Add	57.91	
32 31 13 13-0378 EA 9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	449.54	15.48
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-75.58	
For Gate With Single Barb Wire Arm, Add	44.34	
For Gate With Double Barb Wire Arm, Add	64.49	
32 31 13 13-0379 EA 10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	495.82	17.20
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-83.29	
For Gate With Single Barb Wire Arm, Add	48.86	
For Gate With Double Barb Wire Arm, Add	71.07	
32 31 13 13-0380 EA 10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	643.90	17.20
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-111.05	
For Gate With Single Barb Wire Arm, Add	65.15	
For Gate With Double Barb Wire Arm, Add	94.77	
32 31 13 13-0381 EA 12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	766.05	18.42
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-133.27	
For Gate With Single Barb Wire Arm, Add	78.18	
For Gate With Double Barb Wire Arm, Add	113.72	
32 31 13 13-0382 EA 14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	888.76	19.84
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-155.48	
For Gate With Single Barb Wire Arm, Add	91.21	
For Gate With Double Barb Wire Arm, Add	132.67	
32 31 13 13-0383 EA 16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,012.18	21.49
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.69	
For Gate With Single Barb Wire Arm, Add	104.24	
For Gate With Double Barb Wire Arm, Add	151.63	
32 31 13 13-0384 EA 18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,156.35	30.04
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-199.90	
For Gate With Single Barb Wire Arm, Add	117.27	
For Gate With Double Barb Wire Arm, Add	170.58	
32 31 13 13-0385 EA 20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,281.26	32.19
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.11	
For Gate With Single Barb Wire Arm, Add	130.30	
For Gate With Double Barb Wire Arm, Add	189.53	
32 31 13 13-0386 EA 22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,407.15	34.68
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-244.32	
For Gate With Single Barb Wire Arm, Add	143.33	
For Gate With Double Barb Wire Arm, Add	208.49	
32 31 13 13-0387 EA 24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,534.29	37.56
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-266.53	
For Gate With Single Barb Wire Arm, Add	156.37	
For Gate With Double Barb Wire Arm, Add	227.44	
32 31 13 13-0388 EA 26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,662.99	40.98
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-288.74	
For Gate With Single Barb Wire Arm, Add	169.39	
For Gate With Double Barb Wire Arm, Add	246.39	
32 31 13 13-0389 EA 28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,793.76	45.09
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-310.95	
For Gate With Single Barb Wire Arm, Add	182.43	
For Gate With Double Barb Wire Arm, Add	265.35	
32 31 13 13-0390 EA 30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,927.25	50.08
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-333.16	
For Gate With Single Barb Wire Arm, Add	195.46	
For Gate With Double Barb Wire Arm, Add	284.30	
32 31 13 13-0391 5' Fence Height (32 31 13 13-0370)		
32 31 13 13-0392 EA 3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	209.29	8.58
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.40	
For Gate With Single Barb Wire Arm, Add	20.18	
For Gate With Double Barb Wire Arm, Add	29.36	
32 31 13 13-0393 EA 4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	270.45	8.58
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.87	
For Gate With Single Barb Wire Arm, Add	26.91	
For Gate With Double Barb Wire Arm, Add	39.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0394 EA 5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	317.95	9.12
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.47	
For Gate With Single Barb Wire Arm, Add	31.96	
For Gate With Double Barb Wire Arm, Add	46.48	
32 31 13 13-0395 EA 6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	369.29	10.97
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.07	
For Gate With Single Barb Wire Arm, Add	37.00	
For Gate With Double Barb Wire Arm, Add	53.82	
32 31 13 13-0396 EA 7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	420.66	12.77
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.68	
For Gate With Single Barb Wire Arm, Add	42.05	
For Gate With Double Barb Wire Arm, Add	61.16	
32 31 13 13-0397 EA 8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	472.32	14.71
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-80.27	
For Gate With Single Barb Wire Arm, Add	47.09	
For Gate With Double Barb Wire Arm, Add	68.50	
32 31 13 13-0398 EA 9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	523.69	16.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.88	
For Gate With Single Barb Wire Arm, Add	52.14	
For Gate With Double Barb Wire Arm, Add	75.84	
32 31 13 13-0399 EA 10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	575.03	18.36
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-97.48	
For Gate With Single Barb Wire Arm, Add	57.19	
For Gate With Double Barb Wire Arm, Add	83.18	
32 31 13 13-0400 EA 10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	789.23	18.42
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-137.61	
For Gate With Single Barb Wire Arm, Add	80.73	
For Gate With Double Barb Wire Arm, Add	117.43	
32 31 13 13-0401 EA 12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	940.26	19.84
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.13	
For Gate With Single Barb Wire Arm, Add	96.88	
For Gate With Double Barb Wire Arm, Add	140.91	
32 31 13 13-0402 EA 14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,092.02	21.49
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-192.66	
For Gate With Single Barb Wire Arm, Add	113.03	
For Gate With Double Barb Wire Arm, Add	164.40	
32 31 13 13-0403 EA 16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,264.51	30.04
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-220.18	
For Gate With Single Barb Wire Arm, Add	129.17	
For Gate With Double Barb Wire Arm, Add	187.88	
32 31 13 13-0404 EA 18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,417.75	32.19
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-247.70	
For Gate With Single Barb Wire Arm, Add	145.32	
For Gate With Double Barb Wire Arm, Add	211.37	
32 31 13 13-0405 EA 20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,571.96	34.68
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-275.22	
For Gate With Single Barb Wire Arm, Add	161.46	
For Gate With Double Barb Wire Arm, Add	234.86	
32 31 13 13-0406 EA 22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,727.43	37.56
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-302.75	
For Gate With Single Barb Wire Arm, Add	177.61	
For Gate With Double Barb Wire Arm, Add	258.34	
32 31 13 13-0407 EA 24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,884.47	40.98
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-330.27	
For Gate With Single Barb Wire Arm, Add	193.76	
For Gate With Double Barb Wire Arm, Add	281.83	
32 31 13 13-0408 EA 26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,043.56	45.09
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-357.79	
For Gate With Single Barb Wire Arm, Add	209.90	
For Gate With Double Barb Wire Arm, Add	305.31	
32 31 13 13-0409 EA 28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,205.38	50.08
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-385.31	
For Gate With Single Barb Wire Arm, Add	226.05	
For Gate With Double Barb Wire Arm, Add	328.80	
32 31 13 13-0410 EA 30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,370.96	56.34
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-412.83	
For Gate With Single Barb Wire Arm, Add	242.20	
For Gate With Double Barb Wire Arm, Add	352.28	
32 31 13 13-0411 6' Fence Height (32 31 13 13-0370)		
32 31 13 13-0412 EA 3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	223.74	9.20
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.77	
For Gate With Single Barb Wire Arm, Add	21.57	
For Gate With Double Barb Wire Arm, Add	31.37	
32 31 13 13-0413 EA 4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	289.10	9.20
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-49.02	
For Gate With Single Barb Wire Arm, Add	28.76	
For Gate With Double Barb Wire Arm, Add	41.83	
32 31 13 13-0414 EA 5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	339.83	9.77
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-58.22	
For Gate With Single Barb Wire Arm, Add	34.15	
For Gate With Double Barb Wire Arm, Add	49.68	
32 31 13 13-0415 EA 6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	394.98	11.80
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.41	
For Gate With Single Barb Wire Arm, Add	39.55	
For Gate With Double Barb Wire Arm, Add	57.52	

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences And Gates



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0416	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	450.14	13.87
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-76.60	
			<i>For Gate With Single Barb Wire Arm, Add</i>	44.94	
			<i>For Gate With Double Barb Wire Arm, Add</i>	65.36	
32 31	13 13-0417	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	504.97	15.80
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-85.79	
			<i>For Gate With Single Barb Wire Arm, Add</i>	50.33	
			<i>For Gate With Double Barb Wire Arm, Add</i>	73.21	
32 31	13 13-0418	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	560.12	17.84
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-94.98	
			<i>For Gate With Single Barb Wire Arm, Add</i>	55.72	
			<i>For Gate With Double Barb Wire Arm, Add</i>	81.05	
32 31	13 13-0419	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	615.26	19.87
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-104.17	
			<i>For Gate With Single Barb Wire Arm, Add</i>	61.11	
			<i>For Gate With Double Barb Wire Arm, Add</i>	88.89	
32 31	13 13-0420	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	843.91	19.84
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-147.07	
			<i>For Gate With Single Barb Wire Arm, Add</i>	86.28	
			<i>For Gate With Double Barb Wire Arm, Add</i>	125.50	
32 31	13 13-0421	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,005.75	21.49
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-176.48	
			<i>For Gate With Single Barb Wire Arm, Add</i>	103.54	
			<i>For Gate With Double Barb Wire Arm, Add</i>	150.60	
32 31	13 13-0422	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,194.78	32.19
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-205.89	
			<i>For Gate With Single Barb Wire Arm, Add</i>	120.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	175.70	
32 31	13 13-0423	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,359.08	34.68
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-235.31	
			<i>For Gate With Single Barb Wire Arm, Add</i>	138.05	
			<i>For Gate With Double Barb Wire Arm, Add</i>	200.80	
32 31	13 13-0424	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,524.64	37.56
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-264.72	
			<i>For Gate With Single Barb Wire Arm, Add</i>	155.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	225.90	
32 31	13 13-0425	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,720.75	40.98
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-299.57	
			<i>For Gate With Single Barb Wire Arm, Add</i>	175.75	
			<i>For Gate With Double Barb Wire Arm, Add</i>	255.63	
32 31	13 13-0426	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,866.20	45.09
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-324.53	
			<i>For Gate With Single Barb Wire Arm, Add</i>	190.39	
			<i>For Gate With Double Barb Wire Arm, Add</i>	276.94	
32 31	13 13-0427	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,032.84	50.08
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-352.96	
			<i>For Gate With Single Barb Wire Arm, Add</i>	207.07	
			<i>For Gate With Double Barb Wire Arm, Add</i>	301.19	
32 31	13 13-0428	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,208.51	56.34
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-382.37	
			<i>For Gate With Single Barb Wire Arm, Add</i>	224.33	
			<i>For Gate With Double Barb Wire Arm, Add</i>	326.29	
32 31	13 13-0429	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,389.57	64.37
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-411.79	
			<i>For Gate With Single Barb Wire Arm, Add</i>	241.58	
			<i>For Gate With Double Barb Wire Arm, Add</i>	351.39	
32 31	13 13-0430	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,578.66	75.12
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-441.20	
			<i>For Gate With Single Barb Wire Arm, Add</i>	258.84	
			<i>For Gate With Double Barb Wire Arm, Add</i>	376.49	
32 31	13 13-0431		7' Fence Height (32 31 13 13-0370)		
32 31	13 13-0432	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	235.73	9.91
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-38.62	
			<i>For Gate With Single Barb Wire Arm, Add</i>	22.66	
			<i>For Gate With Double Barb Wire Arm, Add</i>	32.95	
32 31	13 13-0433	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	304.39	9.91
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-51.49	
			<i>For Gate With Single Barb Wire Arm, Add</i>	30.21	
			<i>For Gate With Double Barb Wire Arm, Add</i>	43.94	
32 31	13 13-0434	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	357.41	10.42
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-61.15	
			<i>For Gate With Single Barb Wire Arm, Add</i>	35.87	
			<i>For Gate With Double Barb Wire Arm, Add</i>	52.18	
32 31	13 13-0435	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	415.67	12.68
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-70.80	
			<i>For Gate With Single Barb Wire Arm, Add</i>	41.54	
			<i>For Gate With Double Barb Wire Arm, Add</i>	60.42	
32 31	13 13-0436	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	473.63	14.84
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-80.46	
			<i>For Gate With Single Barb Wire Arm, Add</i>	47.20	
			<i>For Gate With Double Barb Wire Arm, Add</i>	68.66	
32 31	13 13-0437	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	531.90	17.06
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-90.11	
			<i>For Gate With Single Barb Wire Arm, Add</i>	52.87	
			<i>For Gate With Double Barb Wire Arm, Add</i>	76.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0438 EA 9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	589.83	19.23
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.77	
For Gate With Single Barb Wire Arm, Add	58.53	
For Gate With Double Barb Wire Arm, Add	85.13	
32 31 13 13-0439 EA 10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	648.11	21.49
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-109.42	
For Gate With Single Barb Wire Arm, Add	64.19	
For Gate With Double Barb Wire Arm, Add	93.37	
32 31 13 13-0440 EA 10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	888.39	21.49
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-154.48	
For Gate With Single Barb Wire Arm, Add	90.63	
For Gate With Double Barb Wire Arm, Add	131.82	
32 31 13 13-0441 EA 12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,085.30	32.19
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-185.37	
For Gate With Single Barb Wire Arm, Add	108.75	
For Gate With Double Barb Wire Arm, Add	158.18	
32 31 13 13-0442 EA 14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,257.53	34.68
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-216.27	
For Gate With Single Barb Wire Arm, Add	126.88	
For Gate With Double Barb Wire Arm, Add	184.55	
32 31 13 13-0443 EA 16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,430.96	37.56
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-247.16	
For Gate With Single Barb Wire Arm, Add	145.00	
For Gate With Double Barb Wire Arm, Add	210.91	
32 31 13 13-0444 EA 18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,606.00	40.98
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-278.06	
For Gate With Single Barb Wire Arm, Add	163.13	
For Gate With Double Barb Wire Arm, Add	237.27	
32 31 13 13-0445 EA 20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,783.06	45.09
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-308.95	
For Gate With Single Barb Wire Arm, Add	181.25	
For Gate With Double Barb Wire Arm, Add	263.63	
32 31 13 13-0446 EA 22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,962.84	50.08
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-339.84	
For Gate With Single Barb Wire Arm, Add	199.37	
For Gate With Double Barb Wire Arm, Add	289.99	
32 31 13 13-0447 EA 24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,146.43	56.34
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-370.73	
For Gate With Single Barb Wire Arm, Add	217.50	
For Gate With Double Barb Wire Arm, Add	316.36	
32 31 13 13-0448 EA 26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,335.40	64.37
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-401.63	
For Gate With Single Barb Wire Arm, Add	235.62	
For Gate With Double Barb Wire Arm, Add	342.73	
32 31 13 13-0449 EA 28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,532.37	75.12
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-432.52	
For Gate With Single Barb Wire Arm, Add	253.75	
For Gate With Double Barb Wire Arm, Add	369.09	
32 31 13 13-0450 EA 30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,742.27	90.13
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-463.42	
For Gate With Single Barb Wire Arm, Add	271.87	
For Gate With Double Barb Wire Arm, Add	395.45	
32 31 13 13-0451 8' Fence Height (32 31 13 13-0370)		
32 31 13 13-0452 EA 3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	281.89	10.74
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.81	
For Gate With Single Barb Wire Arm, Add	27.46	
For Gate With Double Barb Wire Arm, Add	39.94	
32 31 13 13-0453 EA 4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	365.10	10.74
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.41	
For Gate With Single Barb Wire Arm, Add	36.61	
For Gate With Double Barb Wire Arm, Add	53.26	
32 31 13 13-0454 EA 5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	420.58	10.74
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.81	
For Gate With Single Barb Wire Arm, Add	42.72	
For Gate With Double Barb Wire Arm, Add	62.13	
32 31 13 13-0455 EA 6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	484.45	13.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-83.21	
For Gate With Single Barb Wire Arm, Add	48.82	
For Gate With Double Barb Wire Arm, Add	71.01	
32 31 13 13-0456 EA 7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	548.31	16.33
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-93.62	
For Gate With Single Barb Wire Arm, Add	54.92	
For Gate With Double Barb Wire Arm, Add	79.88	
32 31 13 13-0457 EA 8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	611.85	18.99
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-104.02	
For Gate With Single Barb Wire Arm, Add	61.02	
For Gate With Double Barb Wire Arm, Add	88.76	
32 31 13 13-0458 EA 9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	675.72	21.81
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.42	
For Gate With Single Barb Wire Arm, Add	67.13	
For Gate With Double Barb Wire Arm, Add	97.64	
32 31 13 13-0459 EA 10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	739.58	24.61
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-124.82	
For Gate With Single Barb Wire Arm, Add	73.23	
For Gate With Double Barb Wire Arm, Add	106.51	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0460	EA 10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,095.23	32.19
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-187.23	
	<i>For Gate With Single Barb Wire Arm, Add</i>	109.84	
	<i>For Gate With Double Barb Wire Arm, Add</i>	159.77	
32 31 13 13-0461	EA 12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,302.38	34.68
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-224.68	
	<i>For Gate With Single Barb Wire Arm, Add</i>	131.81	
	<i>For Gate With Double Barb Wire Arm, Add</i>	191.72	
32 31 13 13-0462	EA 14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,510.77	37.56
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-262.12	
	<i>For Gate With Single Barb Wire Arm, Add</i>	153.78	
	<i>For Gate With Double Barb Wire Arm, Add</i>	223.68	
32 31 13 13-0463	EA 16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,720.73	40.98
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-299.57	
	<i>For Gate With Single Barb Wire Arm, Add</i>	175.75	
	<i>For Gate With Double Barb Wire Arm, Add</i>	255.63	
32 31 13 13-0464	EA 18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,932.75	45.09
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-337.01	
	<i>For Gate With Single Barb Wire Arm, Add</i>	197.71	
	<i>For Gate With Double Barb Wire Arm, Add</i>	287.58	
32 31 13 13-0465	EA 20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,147.49	50.08
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-374.46	
	<i>For Gate With Single Barb Wire Arm, Add</i>	219.68	
	<i>For Gate With Double Barb Wire Arm, Add</i>	319.54	
32 31 13 13-0466	EA 22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,366.00	56.34
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-411.90	
	<i>For Gate With Single Barb Wire Arm, Add</i>	241.65	
	<i>For Gate With Double Barb Wire Arm, Add</i>	351.49	
32 31 13 13-0467	EA 24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,589.89	64.37
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-449.35	
	<i>For Gate With Single Barb Wire Arm, Add</i>	263.62	
	<i>For Gate With Double Barb Wire Arm, Add</i>	383.44	
32 31 13 13-0468	EA 26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,821.82	75.12
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-486.80	
	<i>For Gate With Single Barb Wire Arm, Add</i>	285.59	
	<i>For Gate With Double Barb Wire Arm, Add</i>	415.40	
32 31 13 13-0469	EA 28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,066.64	90.13
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-524.24	
	<i>For Gate With Single Barb Wire Arm, Add</i>	307.55	
	<i>For Gate With Double Barb Wire Arm, Add</i>	447.35	
32 31 13 13-0470	EA 30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,334.04	112.67
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-561.69	
	<i>For Gate With Single Barb Wire Arm, Add</i>	329.52	
	<i>For Gate With Double Barb Wire Arm, Add</i>	479.31	
32 31 13 13-0471	10' Fence Height <small>(32 31 13 13-0370)</small>		
32 31 13 13-0472	EA 3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	325.43	11.94
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-54.30	
	<i>For Gate With Single Barb Wire Arm, Add</i>	31.85	
	<i>For Gate With Double Barb Wire Arm, Add</i>	46.33	
32 31 13 13-0473	EA 4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	421.96	11.94
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-72.40	
	<i>For Gate With Single Barb Wire Arm, Add</i>	42.47	
	<i>For Gate With Double Barb Wire Arm, Add</i>	61.78	
32 31 13 13-0474	EA 5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	487.89	12.45
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-84.47	
	<i>For Gate With Single Barb Wire Arm, Add</i>	49.55	
	<i>For Gate With Double Barb Wire Arm, Add</i>	72.08	
32 31 13 13-0475	EA 6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	561.29	15.48
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-96.53	
	<i>For Gate With Single Barb Wire Arm, Add</i>	56.63	
	<i>For Gate With Double Barb Wire Arm, Add</i>	82.37	
32 31 13 13-0476	EA 7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	634.35	18.36
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-108.60	
	<i>For Gate With Single Barb Wire Arm, Add</i>	63.71	
	<i>For Gate With Double Barb Wire Arm, Add</i>	92.67	
32 31 13 13-0477	EA 8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	707.74	21.39
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-120.67	
	<i>For Gate With Single Barb Wire Arm, Add</i>	70.79	
	<i>For Gate With Double Barb Wire Arm, Add</i>	102.97	
32 31 13 13-0478	EA 9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	780.81	24.29
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-132.73	
	<i>For Gate With Single Barb Wire Arm, Add</i>	77.87	
	<i>For Gate With Double Barb Wire Arm, Add</i>	113.27	
32 31 13 13-0479	EA 10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	854.19	27.29
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-144.80	
	<i>For Gate With Single Barb Wire Arm, Add</i>	84.95	
	<i>For Gate With Double Barb Wire Arm, Add</i>	123.56	
32 31 13 13-0480	EA 10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,265.79	35.78
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-217.19	
	<i>For Gate With Single Barb Wire Arm, Add</i>	127.42	
	<i>For Gate With Double Barb Wire Arm, Add</i>	185.34	
32 31 13 13-0481	EA 12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,505.69	38.49
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-260.63	
	<i>For Gate With Single Barb Wire Arm, Add</i>	152.91	
	<i>For Gate With Double Barb Wire Arm, Add</i>	222.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0482	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,747.04 -304.07 178.39 259.48	41.74
32 31 13	13-0483	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,990.06 -347.51 203.87 296.54	45.51
32 31 13	13-0484	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,235.45 -390.95 229.36 333.61	50.08
32 31 13	13-0485	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,483.76 -434.39 254.84 370.68	55.62
32 31 13	13-0486	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,736.40 -477.83 280.33 407.75	62.59
32 31 13	13-0487	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,994.80 -521.27 305.81 444.82	71.48
32 31 13	13-0488	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,262.41 -564.71 331.29 481.88	83.45
32 31 13	13-0489	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,543.95 -608.15 356.78 518.95	100.07
32 31 13	13-0490	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,851.09 -651.59 382.26 556.02	125.20
32 31 13	13-0491		12' Fence Height (32 31 13 13-0370)		
32 31 13	13-0492	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	443.69 -75.73 44.43 64.62	13.26
32 31 13	13-0493	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	577.94 -100.90 59.19 86.10	13.26
32 31 13	13-0494	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	679.26 -119.62 70.18 102.08	13.75
32 31 13	13-0495	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	772.48 -135.22 79.33 115.39	17.06
32 31 13	13-0496	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	874.94 -152.56 89.50 130.18	20.42
32 31 13	13-0497	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	977.07 -169.90 99.67 144.98	23.64
32 31 13	13-0498	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,079.54 -187.23 109.84 159.77	26.97
32 31 13	13-0499	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,172.75 -202.83 119.00 173.08	30.29
32 31 13	13-0500	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,741.43 -304.15 178.43 259.54	39.76
32 31 13	13-0501	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,127.82 -374.88 219.93 319.90	42.80
32 31 13	13-0502	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,473.68 -437.71 256.79 373.51	46.35
32 31 13	13-0503	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,819.16 -500.12 293.40 426.77	50.55

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0504	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,162.79 -561.69 329.53 479.31	55.66
32 31	13 13-0505	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,514.07 -624.11 366.14 532.57	61.80
32 31	13 13-0506	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,870.29 -686.52 402.76 585.83	69.53
32 31	13 13-0507	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,232.83 -748.93 439.37 639.08	79.44
32 31	13 13-0508	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,616.71 -813.42 477.20 694.12	92.75
32 31	13 13-0509	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	5,004.97 -875.83 513.82 747.37	111.20
32 31	13 13-0510	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	5,421.68 -938.24 550.43 800.63	139.11
32 31	13 13-0511		Sliding Gate <small>(32 31 13 13-0228)</small> Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31	13 13-0512		4' High Sliding Gate <small>(32 31 13 13-0511)</small>		
32 31	13 13-0513	EA	10' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,349.71 118.26 322.53	137.29
32 31	13 13-0514	EA	12' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,621.59 141.91 387.04	165.75
32 31	13 13-0515	EA	14' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,891.93 165.57 451.54	193.38
32 31	13 13-0516	EA	16' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,164.67 189.22 516.05	222.26
32 31	13 13-0517	EA	18' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,435.28 212.87 580.55	250.05
32 31	13 13-0518	EA	20' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,700.75 236.52 645.06	275.26
32 31	13 13-0519	EA	24' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,224.26 281.74 768.39	331.47
32 31	13 13-0520	EA	30' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,476.66 354.78 967.59	625.68
32 31	13 13-0521	EA	40' Long x 4' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,968.88 473.04 1,290.12	834.25
32 31	13 13-0522		5' High Sliding Gate <small>(32 31 13 13-0511)</small>		
32 31	13 13-0523	EA	10' Long x 5' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,405.56 121.74 332.01	149.44
32 31	13 13-0524	EA	12' Long x 5' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,686.25 146.08 398.41	179.12
32 31	13 13-0525	EA	14' Long x 5' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,967.22 170.43 464.81	208.94
32 31	13 13-0526	EA	16' Long x 5' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,248.37 194.78 531.22	238.84
32 31	13 13-0527	EA	18' Long x 5' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,529.31 219.13 597.62	268.62
32 31	13 13-0528	EA	20' Long x 5' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,810.37 243.47 664.02	298.48
32 31	13 13-0529	EA	24' Long x 5' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,353.78 290.02 790.98	358.58



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0530	EA	30' Long x 5' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,215.71 365.21 996.03	447.83
32 31 13	13-0531	EA	40' Long x 5' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,620.74 486.95 1,328.03	596.97
32 31 13	13-0532		6' High Sliding Gate (32 31 13 13-0511)		
32 31 13	13-0533	EA	10' Long x 6' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,479.16 124.17 338.64	175.19
32 31 13	13-0534	EA	12' Long x 6' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,773.77 149.00 406.37	209.57
32 31 13	13-0535	EA	14' Long x 6' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,069.31 173.84 474.10	244.47
32 31 13	13-0536	EA	16' Long x 6' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,365.02 198.67 541.83	279.45
32 31 13	13-0537	EA	18' Long x 6' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,660.57 223.51 609.56	314.35
32 31 13	13-0538	EA	20' Long x 6' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,958.48 248.34 677.29	350.42
32 31 13	13-0539	EA	24' Long x 6' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,527.65 295.82 806.78	419.20
32 31 13	13-0540	EA	30' Long x 6' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,434.66 372.51 1,015.93	524.13
32 31 13	13-0541	EA	40' Long x 6' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,912.32 496.68 1,354.58	698.52
32 31 13	13-0542		7' High Sliding Gate (32 31 13 13-0511)		
32 31 13	13-0543	EA	10' Long x 7' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,563.86 129.04 351.92	195.41
32 31 13	13-0544	EA	12' Long x 7' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,876.36 154.85 422.31	234.32
32 31 13	13-0545	EA	14' Long x 7' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,189.44 180.65 492.68	273.58
32 31 13	13-0546	EA	16' Long x 7' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,501.87 206.46 563.06	312.48
32 31 13	13-0547	EA	18' Long x 7' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,814.66 232.26 633.45	351.60
32 31 13	13-0548	EA	20' Long x 7' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,127.20 258.07 703.83	390.56
32 31 13	13-0549	EA	24' Long x 7' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,731.98 307.41 838.40	468.64
32 31 13	13-0550	EA	30' Long x 7' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,690.78 387.11 1,055.75	585.80
32 31 13	13-0551	EA	40' Long x 7' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,254.38 516.14 1,407.66	781.08
32 31 13	13-0552		8' High Sliding Gate (32 31 13 13-0511)		
32 31 13	13-0553	EA	10' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,631.19 132.86 362.34	211.69
32 31 13	13-0554	EA	12' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,956.21 159.43 434.81	253.44
32 31 13	13-0555	EA	14' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,282.27 186.00 507.28	295.69
32 31 13	13-0556	EA	16' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,608.41 212.57 579.75	337.95
32 31 13	13-0557	EA	18' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,934.09 239.15 652.22	380.03
32 31 13	13-0558	EA	20' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,260.27 265.72 724.68	422.32

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0559	EA	24' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,891.15 316.52 863.24	506.84
32 31	13 13-0560	EA	30' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,890.72 398.58 1,087.03	633.63
32 31	13 13-0561	EA	40' Long x 8' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,519.69 531.44 1,449.37	844.23
32 31 13 13-0562 9' High Sliding Gate (32 31 13 13-0511)					
32 31	13 13-0563	EA	10' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,710.75 137.38 374.66	230.94
32 31	13 13-0564	EA	12' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,051.19 164.85 449.60	276.27
32 31	13 13-0565	EA	14' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,392.95 192.33 524.53	322.26
32 31	13 13-0566	EA	16' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,735.07 219.80 599.46	368.44
32 31	13 13-0567	EA	18' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,076.92 247.28 674.40	414.46
32 31	13 13-0568	EA	20' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,418.75 274.75 749.33	460.47
32 31	13 13-0569	EA	24' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,080.39 327.29 892.60	552.51
32 31	13 13-0570	EA	30' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,127.74 412.13 1,124.00	690.57
32 31	13 13-0571	EA	40' Long x 9' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,838.50 549.51 1,498.66	921.50
32 31 13 13-0572 10' High Sliding Gate (32 31 13 13-0511)					
32 31	13 13-0573	EA	10' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,810.66 143.29 390.78	254.03
32 31	13 13-0574	EA	12' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,172.79 171.94 468.94	304.82
32 31	13 13-0575	EA	14' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,535.09 200.60 547.09	355.71
32 31	13 13-0576	EA	16' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,897.15 229.26 625.25	406.51
32 31	13 13-0577	EA	18' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,259.19 257.91 703.40	457.26
32 31	13 13-0578	EA	20' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,621.32 286.57 781.56	508.06
32 31	13 13-0579	EA	24' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,323.10 341.36 930.99	609.91
32 31	13 13-0580	EA	30' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,431.98 429.86 1,172.34	762.09
32 31	13 13-0581	EA	40' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,241.42 573.14 1,563.12	1,015.52
32 31 13 13-0582 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller (32 31 13 13-0228)					
Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.					
32 31	13 13-0583	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	2,642.29 253.43 368.63 1,105.88 483.82 691.18	169.18



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0584	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	2,883.71 270.68 393.72 1,181.16 516.76 738.23	211.48
32 31	13 13-0585	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,127.29 288.17 419.16 1,257.48 550.15 785.92	253.77
32 31	13 13-0586	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,645.77 326.59 475.05 1,425.14 623.50 890.71	338.37
32 31	13 13-0587	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,374.76 296.78 431.68 1,295.05 566.59 809.41	338.37
32 31	13 13-0588	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,926.73 334.24 486.16 1,458.49 638.09 911.56	444.11
32 31	13 13-0589	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,229.47 454.27 660.76 1,982.29 867.25 1,238.93	549.85
32 31	13 13-0590	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,868.89 501.35 729.24 2,187.71 957.12 1,367.32	655.59
32 31	13 13-0591	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,932.75 339.55 493.89 1,481.68 648.23 926.05	422.96
32 31	13 13-0592	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,617.80 382.34 556.13 1,668.39 729.92 1,042.74	570.99
32 31	13 13-0593	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	6,162.16 519.65 755.86 2,267.57 992.06 1,417.23	719.03
32 31	13 13-0594	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	6,904.87 573.43 834.08 2,502.25 1,094.74 1,563.91	845.92
32 31	13 13-0595		Gate Accessories (32 31 13 13-0228)		
32 31	13 13-0596	EA	Gate Center Stop, Cast Steel, Ground.....	10.01	
32 31	13 13-0597	EA	Gate Latch, Malleable Galvanized Steel.....	23.36	
32 31	13 13-0598	EA	Gate Keeper, Full Length, Galvanized Steel.....	114.33	
32 31	13 13-0599	EA	Gate Keeper Hold-Open For Cantilever Gate.....	53.73	6.13
32 31	13 13-0600	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel.....	29.44	
32 31	13 13-0601	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	790.46	
32 31	13 13-0602	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate.....	844.79	
32 31	13 13-0603	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate.....	899.12	
32 31	13 13-0604		Accessories (32 31 13 13)		
32 31	13 13-0605		Barbed And Concertina Wire (32 31 13 13-0604)		
32 31	13 13-0606		Single Strand Barbed Wire (32 31 13 13-0605)		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0607	LF		Galvanized Barbed Wire, Per Strand .....0.37		0.16
			Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
			For >500 To 2,000, Deduct	-0.03	
			For >2,000, Deduct	-0.05	
32 31 13 13-0608	LF		Vinyl Coated Barbed Wire (Fused), Per Strand .....0.46		0.16
			Note: Includes clips.		
			For >500 To 2,000, Deduct	-0.04	
			For >2,000, Deduct	-0.06	
32 31 13 13-0609	EA		Barbed Wire Extension Arms 3 Strands (Single Arm).....4.95		2.58
32 31 13 13-0610	EA		Barbed Wire Extension Arms 6 Strands (Double Arm) .....8.96		3.09
32 31 13 13-0611	EA		Barbed Wire Eye Tops (For Single Strand).....4.60		2.58
32 31 13 13-0612			Galvanized Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0605)</small>		
32 31 13 13-0613	LF		18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence.....1.72		0.22
			For >500 To 1,500, Deduct	-0.15	
			For >1,500 To 5,000, Deduct	-0.29	
			For >5,000, Deduct	-0.41	
			For Ground Installation, Deduct	-0.16	
			For Double Coil (Helix), Add	1.40	
32 31 13 13-0614	LF		18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence.....2.59		0.22
			For >500 To 1,500, Deduct	-0.22	
			For >1,500 To 5,000, Deduct	-0.44	
			For >5,000, Deduct	-0.62	
			For Ground Installation, Deduct	-0.24	
			For Double Coil (Helix), Add	2.11	
32 31 13 13-0615	LF		18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link		
			Fence, Per LF Of Fence .....3.44		0.22
			For >500 To 1,500, Deduct	-0.29	
			For >1,500 To 5,000, Deduct	-0.58	
			For >5,000, Deduct	-0.82	
			For Ground Installation, Deduct	-0.33	
			For Double Coil (Helix), Add	2.79	
32 31 13 13-0616	LF		24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence.....2.22		0.22
			For >500 To 1,500, Deduct	-0.18	
			For >1,500 To 5,000, Deduct	-0.37	
			For >5,000, Deduct	-0.52	
			For Ground Installation, Deduct	-0.18	
			For Double Coil (Helix), Add	1.86	
32 31 13 13-0617	LF		24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence.....3.34		0.22
			For >500 To 1,500, Deduct	-0.28	
			For >1,500 To 5,000, Deduct	-0.55	
			For >5,000, Deduct	-0.78	
			For Ground Installation, Deduct	-0.27	
			For Double Coil (Helix), Add	2.81	
32 31 13 13-0618	LF		24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link		
			Fence, Per LF Of Fence .....4.42		0.22
			For >500 To 1,500, Deduct	-0.37	
			For >1,500 To 5,000, Deduct	-0.73	
			For >5,000, Deduct	-1.03	
			For Ground Installation, Deduct	-0.36	
			For Double Coil (Helix), Add	3.71	
32 31 13 13-0619	LF		30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence.....6.69		0.22
			For >500 To 1,500, Deduct	-0.52	
			For >1,500 To 5,000, Deduct	-1.04	
			For >5,000, Deduct	-1.42	
			For Ground Installation, Deduct	-0.20	
			For Double Coil (Helix), Add	6.29	
32 31 13 13-0620	LF		30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence.....10.11		0.22
			For >500 To 1,500, Deduct	-0.79	
			For >1,500 To 5,000, Deduct	-1.58	
			For >5,000, Deduct	-2.14	
			For Ground Installation, Deduct	-0.30	
			For Double Coil (Helix), Add	9.51	
32 31 13 13-0621	LF		30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link		
			Fence, Per LF Of Fence .....13.36		0.22
			For >500 To 1,500, Deduct	-1.04	
			For >1,500 To 5,000, Deduct	-2.08	
			For >5,000, Deduct	-2.83	
			For Ground Installation, Deduct	-0.40	
			For Double Coil (Helix), Add	12.56	
32 31 13 13-0622			Stainless Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0605)</small>		
32 31 13 13-0623	LF		18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of		
			Chain Link Fence, Per LF Of Fence .....2.36		0.22
			For >500 To 1,500, Deduct	-0.19	
			For >1,500 To 5,000, Deduct	-0.39	
			For >5,000, Deduct	-0.54	
			For Ground Installation, Deduct	-0.16	
			For Double Coil (Helix), Add	2.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0624	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	3.56 -0.29 -0.58 -0.81 -0.24 3.08	0.22
32 31 13	13-0625	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence..... <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	4.72 -0.39 -0.77 -1.07 -0.33 4.07	0.22
32 31 13	13-0626	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	3.07 -0.25 -0.50 -0.69 -0.18 2.71	0.22
32 31 13	13-0627	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	4.64 -0.37 -0.75 -1.04 -0.27 4.11	0.22
32 31 13	13-0628	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence..... <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	6.13 -0.50 -0.99 -1.37 -0.36 5.42	0.22
32 31 13	13-0629	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	9.93 -0.77 -1.53 -2.07 -0.20 9.53	0.22
32 31 13	13-0630	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	15.02 -1.16 -2.31 -3.13 -0.30 14.42	0.22
32 31 13	13-0631	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence..... <i>For >500 To 1,500, Deduct</i> <i>For >1,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For Ground Installation, Deduct</i> <i>For Double Coil (Helix), Add</i>	19.84 -1.53 -3.06 -4.13 -0.40 19.04	0.22
32 31 13	13-0632		Grounding For Gates (32 31 13 13-0604) Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13	13-0633	OPN	Grounding For Gates (Per Opening).....	199.46	
32 31 13	13-0634		Coiled Spring Reinforcing Wire (32 31 13 13-0604)		
32 31 13	13-0635		Galvanized Steel (32 31 13 13-0634)		
32 31 13	13-0636	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring.....	0.44	0.16
32 31 13	13-0637		Vinyl Coated Steel (32 31 13 13-0634)		
32 31 13	13-0638	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	0.44	0.16
32 31 13	13-0639		Bending Of Fabric Around Pipe Railings (32 31 13 13-0604) Note: Only where specified.		
32 31 13	13-0640	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	0.46	
32 31 13	13-0641	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	0.40	
32 31 13	13-0642		Mounting Plate With Anchors Or Bolts (32 31 13 13-0604) Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13	13-0643	EA	Mounting Plate For 1-5/8" Diameter Post	20.87	
32 31 13	13-0644	EA	Mounting Plate For 2" Diameter Post.....	21.29	
32 31 13	13-0645	EA	Mounting Plate For 2-1/2" Diameter Post	21.79	
32 31 13	13-0646	EA	Mounting Plate For 3" Diameter Post.....	26.85	
32 31 13	13-0647	EA	Mounting Plate For 4" Diameter Post.....	31.24	
32 31 13	13-0648	EA	Mounting Plate For 6-5/8" Diameter Post	36.71	
32 31 13	13-0649	EA	Mounting Plate For 8-5/8" Diameter Post	43.75	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0650		Fence And Gate Repair And Replacement <small>(32 31 13 13)</small>		
32 31 13 13-0651		Fence And Gate Parts Replacement <small>(32 31 13 13-0650)</small>		
32 31 13 13-0652	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	63.00	
32 31 13 13-0653	EA	Sliding Gate Roller Assembly Replacement.....	57.74	
32 31 13 13-0654	EA	Rod And Lock Gate Keeper Replacement.....	65.10	
32 31 13 13-0655	EA	Galvanized Gate Holdback Replacement.....	11.29	
32 31 13 13-0656	LF	3/8" Cross Bracing Rod Replacement.....	0.78	
32 31 13 13-0657	LF	1-5/8" Diagonal Pipe Bracing Replacement.....	1.29	
32 31 13 13-0658	EA	2-3/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement.....	7.36	
32 31 13 13-0659	EA	3" Diameter Cast Steel Gate Hinge With Bolts, Replacement.....	8.07	
32 31 13 13-0660	EA	4" Diameter Cast Steel Gate Hinge With Bolts, Replacement.....	8.90	
32 31 13 13-0661	EA	6-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement.....	18.94	
32 31 13 13-0662	EA	8-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement.....	23.19	
32 31 13 13-0663	EA	2-1/2" x 2" Off Set Gate Hinge Replacement.....	12.06	
32 31 13 13-0664	EA	3" x 2" Off Set Gate Hinge Replacement.....	12.53	
32 31 13 13-0665	EA	4" x 2" Off Set Gate Hinge Replacement.....	13.29	
32 31 13 13-0666	EA	6-5/8" x 2" Off Set Gate Hinge Replacement.....	24.59	
32 31 13 13-0667	EA	8-5/8" x 2" Off Set Gate Hinge Replacement.....	41.55	
32 31 13 13-0668	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement.....	1.73	
32 31 13 13-0669	EA	2" Aluminum Die-Cast Post Cap Replacement.....	1.91	
32 31 13 13-0670	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement.....	2.22	
32 31 13 13-0671	EA	3" Aluminum Die-Cast Post Cap Replacement.....	2.59	
32 31 13 13-0672	EA	2" Galvanized Post Cap Replacement.....	2.37	
32 31 13 13-0673	EA	2-1/2" Galvanized Post Cap Replacement.....	2.53	
32 31 13 13-0674	EA	3" Galvanized Post Cap Replacement.....	2.97	
32 31 13 13-0675	EA	4" Galvanized Post Cap Replacement.....	5.16	
32 31 13 13-0676	EA	6-5/8" Galvanized Post Cap Replacement.....	11.74	
32 31 13 13-0677	EA	8-5/8" Galvanized Post Cap Replacement.....	20.21	
32 31 13 13-0678	EA	1-5/8" Boulevard Clamp Replacement.....	3.68	
32 31 13 13-0679	EA	2" Boulevard Clamp Replacement.....	4.55	
32 31 13 13-0680	EA	2-1/2" Boulevard Clamp Replacement.....	5.32	
32 31 13 13-0681	EA	3" Boulevard Clamp Replacement.....	6.45	
32 31 13 13-0682	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement.....	3.55	
32 31 13 13-0683	EA	2" Gate Brace Or End Rail Clamp Replacement.....	4.36	
32 31 13 13-0684	EA	1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	3.81	
32 31 13 13-0685	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement.....	5.13	
32 31 13 13-0686	EA	3" Gate Brace Or End Rail Clamp Replacement.....	6.25	
32 31 13 13-0687	EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	3.87	
32 31 13 13-0688	EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	4.02	
32 31 13 13-0689	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	3.95	
32 31 13 13-0690	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	4.07	
32 31 13 13-0691	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	4.17	
32 31 13 13-0692	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	4.45	
32 31 13 13-0693	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	6.52	
32 31 13 13-0694		Remove And Reinstall Chain Link Fences <small>(32 31 13 13)</small>		
Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.				
32 31 13 13-0695	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	6.45	
32 31 13 13-0696	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	9.67	
32 31 13 33		Chain Link Backstops <small>(32 31 13)</small>		
32 31 13 33-0001		Regulation Baseball Backstop <small>(32 31 13 33)</small>		
See CSI section 32 31 13 13-0001 for auguring holes and concrete.				
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	6,590.54	593.34
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	9,664.56	791.12
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized.....	12,524.64	922.97
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	9,834.13	593.34
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	14,517.99	791.12
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	18,929.50	922.97
32 31 13 33-0008		Regulation Softball Backstop <small>(32 31 13 33)</small>		
See CSI section 32 31 13 13-0001 for auguring holes and concrete.				
32 31 13 33-0009		14' High Softball Backstop <small>(32 31 13 33-0008)</small>		
Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.				
32 31 13 33-0010	EA	14' Softball Backstop, Galvanized Regulation.....	5,511.88	735.57
32 31 13 33-0011	EA	14' Softball Backstop, Vinyl Coated Regulation.....	7,838.23	735.57
32 31 13 33-0012		18' High Softball Backstop <small>(32 31 13 33-0008)</small>		
Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.				
32 31 13 33-0013	EA	18' Softball Backstop, Galvanized Regulation.....	6,507.46	817.76
32 31 13 33-0014	EA	18' Softball Backstop Vinyl Coated Regulation.....	9,321.59	817.76



Exterior Improvements	32
Site Improvements	32 30
Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33-0015 20' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016 EA 20' Softball Backstop, Galvanized Regulation	7,481.74	862.21
32 31 13 33-0017 EA 20' Softball Backstop, Vinyl Coated Regulation	10,821.22	862.21
32 31 13 33-0018 22' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019 EA 22' Softball Backstop, Galvanized Regulation	8,742.10	888.21
32 31 13 33-0020 EA 22' Softball Backstop, Vinyl Coated Regulation	12,756.93	888.21
32 31 13 33-0021 24' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022 EA 24' Softball Backstop, Galvanized Regulation	10,561.15	1,015.11
32 31 13 33-0023 EA 24' Softball Backstop, Vinyl Coated Regulation	15,551.55	1,015.11
32 31 16 Welded Wire Fences And Gates (32 31)		
32 31 16 00-0001 Welded Wire Fence (32 31 16)		
32 31 16 00-0002 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0003 LF 3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	3.43	0.53
32 31 16 00-0004 LF 5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	3.90	0.53
32 31 16 00-0005 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0006 LF 3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	3.33	0.53
32 31 16 00-0007 LF 5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	3.75	0.53
32 31 19 Decorative Metal Fences And Gates (32 31) See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001 Wrought Iron Fence (32 31 19) Note: Factory primed.		
32 31 19 00-0002 Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0003 LF 3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	51.08	3.55
For Verticals Up To 2" On Center, Add	8.80	
For Verticals >2" To 2-1/2" On Center, Add	4.40	
For Verticals >3" To 4" On Center, Deduct	-4.40	
For Verticals >4" To 6" On Center, Deduct	-8.80	
32 31 19 00-0004 LF 4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	67.02	4.51
For Verticals Up To 2" On Center, Add	11.66	
For Verticals >2" To 2-1/2" On Center, Add	5.83	
For Verticals >3" To 4" On Center, Deduct	-5.83	
For Verticals >4" To 6" On Center, Deduct	-11.66	
32 31 19 00-0005 LF 5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	83.01	4.71
For Verticals Up To 2" On Center, Add	14.71	
For Verticals >2" To 2-1/2" On Center, Add	7.35	
For Verticals >3" To 4" On Center, Deduct	-7.35	
For Verticals >4" To 6" On Center, Deduct	-14.71	
32 31 19 00-0006 LF 6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	100.90	5.68
For Verticals Up To 2" On Center, Add	17.90	
For Verticals >2" To 2-1/2" On Center, Add	8.95	
For Verticals >3" To 4" On Center, Deduct	-8.95	
For Verticals >4" To 6" On Center, Deduct	-17.90	
32 31 19 00-0007 LF 7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	123.27	6.01
For Verticals Up To 2" On Center, Add	22.25	
For Verticals >2" To 2-1/2" On Center, Add	11.13	
For Verticals >3" To 4" On Center, Deduct	-11.13	
For Verticals >4" To 6" On Center, Deduct	-22.25	
32 31 19 00-0008 LF 8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	145.65	6.32
For Verticals Up To 2" On Center, Add	26.60	
For Verticals >2" To 2-1/2" On Center, Add	13.30	
For Verticals >3" To 4" On Center, Deduct	-13.30	
For Verticals >4" To 6" On Center, Deduct	-26.60	
32 31 19 00-0009 LF 10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	181.71	7.09
For Verticals Up To 2" On Center, Add	33.50	
For Verticals >2" To 2-1/2" On Center, Add	16.75	
For Verticals >3" To 4" On Center, Deduct	-16.75	
For Verticals >4" To 6" On Center, Deduct	-33.50	
32 31 19 00-0010 LF 12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	217.29	8.06
For Verticals Up To 2" On Center, Add	40.23	
For Verticals >2" To 2-1/2" On Center, Add	20.12	
For Verticals >3" To 4" On Center, Deduct	-20.12	
For Verticals >4" To 6" On Center, Deduct	-40.23	
32 31 19 00-0011 Wrought Iron Gates (32 31 19 00-0001) Note: Factory primed.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0012			Single Wrought Iron Gates (32 31 19 00-0011) Note: Factory primed.		
	32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	64.27	4.32
	32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	84.50	5.36
	32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	105.13	6.45
	32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	128.53	7.74
	32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	185.15	8.58
	32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	230.71	9.48
	32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	275.29	10.77
32 31 19 00-0020			Double Wrought Iron Gates (32 31 19 00-0011) Note: Factory primed.		
	32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	79.78	3.87
	32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	105.77	4.84
	32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	131.17	5.81
	32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	160.19	6.97
	32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	231.21	7.74
	32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	288.34	8.51
	32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	344.24	9.67
32 31 19 00-0028			Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)		
	32 31 19 00-0029	LF	Replace Wrought Iron Picket	10.91	
	32 31 19 00-0030	LF	Replace Wrought Iron Post.....	18.60	
	32 31 19 00-0031	EA	Straighten Wrought Iron Post.....	25.81	
32 31 19 00-0032			Steel Tube Fence, Powder Coated (32 31 19) Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033			Steel Tube Fence, 2 Rail (32 31 19 00-0032)		
	32 31 19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	34.10	3.55
			For Verticals Up To 2" On Center, Add	5.43	
			For Verticals >2" To 2-1/2" On Center, Add	2.72	
			For Verticals >3" To 4" On Center, Deduct	-2.72	
			For Verticals >4" To 6" On Center, Deduct	-5.43	
			For Solid Pickets, Add	7.15	
			For Aluminum With Satin Finish, Add	7.10	
			For Third Rail, Add	2.04	
			For 1" Square x 14 Gauge Pickets, Add	6.79	
			For Swivel Brackets, Add	1.00	
			For Rings (For use with standard 3/4" Square pickets), Add	5.25	
			For Rings (For use with 1" Square pickets), Add	11.00	
			For 3" Square Posts, Add	2.72	
	32 31 19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	36.39	3.79
			For Verticals Up To 2" On Center, Add	5.76	
			For Verticals >2" To 2-1/2" On Center, Add	2.88	
			For Verticals >3" To 4" On Center, Deduct	-2.88	
			For Verticals >4" To 6" On Center, Deduct	-5.76	
			For Solid Pickets, Add	7.62	
			For Aluminum With Satin Finish, Add	7.50	
			For Third Rail, Add	2.16	
			For 1" Square x 14 Gauge Pickets, Add	7.20	
			For Swivel Brackets, Add	1.00	
			For Rings (For use with standard 3/4" Square pickets), Add	5.25	
			For Rings (For use with 1" Square pickets), Add	11.00	
			For 3" Square Posts, Add	2.88	
	32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	38.38	4.19
			For Verticals Up To 2" On Center, Add	6.03	
			For Verticals >2" To 2-1/2" On Center, Add	3.02	
			For Verticals >3" To 4" On Center, Deduct	-3.02	
			For Verticals >4" To 6" On Center, Deduct	-6.03	
			For Solid Pickets, Add	8.02	
			For Aluminum With Satin Finish, Add	7.82	
			For Third Rail, Add	2.26	
			For 1" Square x 14 Gauge Pickets, Add	7.54	
			For Swivel Brackets, Add	1.00	
			For Rings (For use with standard 3/4" Square pickets), Add	5.25	
			For Rings (For use with 1" Square pickets), Add	11.00	
			For 3" Square Posts, Add	3.02	
	32 31 19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	40.39	4.71
			For Verticals Up To 2" On Center, Add	6.18	
			For Verticals >2" To 2-1/2" On Center, Add	3.09	
			For Verticals >3" To 4" On Center, Deduct	-3.09	
			For Verticals >4" To 6" On Center, Deduct	-6.18	
			For Solid Pickets, Add	8.38	
			For Aluminum With Satin Finish, Add	7.85	
			For Third Rail, Add	2.32	
			For 1" Square x 14 Gauge Pickets, Add	7.73	
			For Swivel Brackets, Add	1.00	
			For Rings (For use with standard 3/4" Square pickets), Add	5.25	
			For Rings (For use with 1" Square pickets), Add	11.00	
			For 3" Square Posts, Add	3.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	47.07	5.32
			For Verticals Up To 2" On Center, Add	7.29	
			For Verticals >2" To 2-1/2" On Center, Add	3.64	
			For Verticals >3" To 4" On Center, Deduct	-3.64	
			For Verticals >4" To 6" On Center, Deduct	-7.29	
			For Solid Pickets, Add	9.79	
			For Aluminum With Satin Finish, Add	9.33	
			For Third Rail, Add	2.73	
			For 1" Square x 14 Gauge Pickets, Add	9.11	
			For Swivel Brackets, Add	1.00	
			For Rings (For use with standard 3/4" Square pickets), Add	5.25	
			For Rings (For use with 1" Square pickets), Add	11.00	
			For 3" Square Posts, Add	3.64	
32 31	19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	54.30	5.81
			For Verticals Up To 2" On Center, Add	8.54	
			For Verticals >2" To 2-1/2" On Center, Add	4.27	
			For Verticals >3" To 4" On Center, Deduct	-4.27	
			For Verticals >4" To 6" On Center, Deduct	-8.54	
			For Solid Pickets, Add	11.35	
			For Aluminum With Satin Finish, Add	11.07	
			For Third Rail, Add	3.20	
			For 1" Square x 14 Gauge Pickets, Add	10.67	
			For Swivel Brackets, Add	1.00	
			For Rings (For use with standard 3/4" Square pickets), Add	5.25	
			For Rings (For use with 1" Square pickets), Add	11.00	
			For 4" Square Posts, Add	14.94	
32 31	19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	61.59	6.32
			For Verticals Up To 2" On Center, Add	9.79	
			For Verticals >2" To 2-1/2" On Center, Add	4.89	
			For Verticals >3" To 4" On Center, Deduct	-4.89	
			For Verticals >4" To 6" On Center, Deduct	-9.79	
			For Solid Pickets, Add	12.91	
			For Aluminum With Satin Finish, Add	12.78	
			For Third Rail, Add	3.67	
			For 1" Square x 14 Gauge Pickets, Add	12.24	
			For Swivel Brackets, Add	1.00	
			For Rings (For use with standard 3/4" Square pickets), Add	5.25	
			For Rings (For use with 1" Square pickets), Add	11.00	
			For 4" Square Posts, Add	17.13	
32 31	19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	72.39	6.78
			For Verticals Up To 2" On Center, Add	11.77	
			For Verticals >2" To 2-1/2" On Center, Add	5.88	
			For Verticals >3" To 4" On Center, Deduct	-5.88	
			For Verticals >4" To 6" On Center, Deduct	-11.77	
			For Solid Pickets, Add	15.27	
			For Aluminum With Satin Finish, Add	15.62	
			For Third Rail, Add	4.41	
			For 1" Square x 14 Gauge Pickets, Add	14.71	
			For Swivel Brackets, Add	1.00	
			For Rings (For use with standard 3/4" Square pickets), Add	5.25	
			For Rings (For use with 1" Square pickets), Add	11.00	
			For 4" Square Posts, Add	20.59	
32 31	19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	83.27	7.25
			For Verticals Up To 2" On Center, Add	13.75	
			For Verticals >2" To 2-1/2" On Center, Add	6.88	
			For Verticals >3" To 4" On Center, Deduct	-6.88	
			For Verticals >4" To 6" On Center, Deduct	-13.75	
			For Solid Pickets, Add	17.65	
			For Aluminum With Satin Finish, Add	18.45	
			For Third Rail, Add	5.16	
			For 1" Square x 14 Gauge Pickets, Add	17.19	
			For Swivel Brackets, Add	1.00	
			For Rings (For use with standard 3/4" Square pickets), Add	5.25	
			For Rings (For use with 1" Square pickets), Add	11.00	
			For 6" Square Posts, Add	24.06	
32 31	19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	98.75	8.06
			For Verticals Up To 2" On Center, Add	16.52	
			For Verticals >2" To 2-1/2" On Center, Add	8.26	
			For Verticals >3" To 4" On Center, Deduct	-8.26	
			For Verticals >4" To 6" On Center, Deduct	-16.52	
			For Solid Pickets, Add	21.01	
			For Aluminum With Satin Finish, Add	22.37	
			For Third Rail, Add	6.20	
			For 1" Square x 14 Gauge Pickets, Add	20.66	
			For Swivel Brackets, Add	1.00	
			For Rings (For use with standard 3/4" Square pickets), Add	5.25	
			For Rings (For use with 1" Square pickets), Add	11.00	
			For 6" Square Posts, Add	28.92	
32 31	19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	105.68	8.71
			For Verticals Up To 2" On Center, Add	17.65	
			For Verticals >2" To 2-1/2" On Center, Add	8.83	
			For Verticals >3" To 4" On Center, Deduct	-8.83	
			For Verticals >4" To 6" On Center, Deduct	-17.65	
			For Solid Pickets, Add	22.47	
			For Aluminum With Satin Finish, Add	23.87	
			For Third Rail, Add	6.62	
			For 1" Square x 14 Gauge Pickets, Add	22.07	
			For Swivel Brackets, Add	1.00	
			For Rings (For use with standard 3/4" Square pickets), Add	5.25	
			For Rings (For use with 1" Square pickets), Add	11.00	
			For 6" Square Posts, Add	30.89	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0045			Steel Tube Swing Gates <small>(32 31 19 00-0032)</small>		
32 31 19 00-0046			3' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0047	EA		3' Wide x 3' High Steel Tube Single Swing Gate.....	509.34	6.87
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	113.05	
			For Aluminum With Satin Finish, Add	143.51	
			For Third Rail, Add	36.65	
			For 1" Square x 14 Gauge Pickets, Add	48.87	
			For Rings, Add	25.00	
32 31 19 00-0048	EA		3'-6" Wide x 3' High Steel Tube Single Swing Gate.....	568.59	7.19
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	126.31	
			For Aluminum With Satin Finish, Add	160.85	
			For Third Rail, Add	41.02	
			For 1" Square x 14 Gauge Pickets, Add	54.70	
			For Rings, Add	25.00	
32 31 19 00-0049	EA		4' Wide x 3' High Steel Tube Single Swing Gate.....	630.81	7.61
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	140.21	
			For Aluminum With Satin Finish, Add	178.93	
			For Third Rail, Add	45.59	
			For 1" Square x 14 Gauge Pickets, Add	60.79	
			For Rings, Add	25.00	
32 31 19 00-0050	EA		5' Wide x 3' High Steel Tube Single Swing Gate.....	662.87	8.16
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	147.31	
			For Aluminum With Satin Finish, Add	187.83	
			For Third Rail, Add	47.88	
			For 1" Square x 14 Gauge Pickets, Add	63.84	
			For Rings, Add	25.00	
32 31 19 00-0051	EA		6' Wide x 3' High Steel Tube Single Swing Gate.....	737.90	9.77
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	163.83	
			For Aluminum With Satin Finish, Add	208.16	
			For Third Rail, Add	53.14	
			For 1" Square x 14 Gauge Pickets, Add	70.86	
			For Rings, Add	25.00	
32 31 19 00-0052	EA		7' Wide x 3' High Steel Tube Single Swing Gate.....	781.16	11.39
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	173.20	
			For Aluminum With Satin Finish, Add	218.96	
			For Third Rail, Add	56.02	
			For 1" Square x 14 Gauge Pickets, Add	74.70	
			For Rings, Add	25.00	
32 31 19 00-0053	EA		8' Wide x 3' High Steel Tube Single Swing Gate.....	849.89	13.10
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	188.27	
			For Aluminum With Satin Finish, Add	237.26	
			For Third Rail, Add	60.79	
			For 1" Square x 14 Gauge Pickets, Add	81.05	
			For Rings, Add	25.00	
32 31 19 00-0054	EA		9' Wide x 3' High Steel Tube Single Swing Gate.....	909.02	14.71
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	201.22	
			For Aluminum With Satin Finish, Add	252.82	
			For Third Rail, Add	64.86	
			For 1" Square x 14 Gauge Pickets, Add	86.48	
			For Rings, Add	25.00	
32 31 19 00-0055	EA		10' Wide x 3' High Steel Tube Single Swing Gate.....	960.22	16.33
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	212.37	
			For Aluminum With Satin Finish, Add	266.00	
			For Third Rail, Add	68.34	
			For 1" Square x 14 Gauge Pickets, Add	91.12	
			For Rings, Add	25.00	
32 31 19 00-0056	EA		6' Wide x 3' High Steel Tube Double Swing Gate.....	1,067.57	13.75
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	237.11	
			For Aluminum With Satin Finish, Add	301.69	
			For Third Rail, Add	76.97	
			For 1" Square x 14 Gauge Pickets, Add	102.63	
			For Rings, Add	25.00	
32 31 19 00-0057	EA		7' Wide x 3' High Steel Tube Double Swing Gate.....	1,138.50	14.38
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	252.92	
			For Aluminum With Satin Finish, Add	322.10	
			For Third Rail, Add	82.15	
			For 1" Square x 14 Gauge Pickets, Add	109.53	
			For Rings, Add	25.00	
32 31 19 00-0058	EA		8' Wide x 3' High Steel Tube Double Swing Gate.....	1,261.60	15.26
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	280.43	
			For Aluminum With Satin Finish, Add	357.87	
			For Third Rail, Add	91.19	
			For 1" Square x 14 Gauge Pickets, Add	121.58	
			For Rings, Add	25.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0059 EA 9' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	1,322.82 294.08 375.51 95.66 127.54 25.00	15.80
32 31 19 00-0060 EA 10' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	1,372.11 305.05 389.57 99.23 132.31 25.00	16.33
32 31 19 00-0061 EA 12' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	1,539.39 341.96 435.40 111.05 148.07 25.00	19.54
32 31 19 00-0062 EA 14' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	1,681.50 373.21 473.68 120.98 161.31 25.00	22.77
32 31 19 00-0063 EA 16' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	1,797.77 398.60 503.92 128.93 171.91 25.00	26.22
32 31 19 00-0064 EA 18' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	1,893.55 419.42 528.29 135.39 180.52 25.00	29.41
32 31 19 00-0065 EA 20' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	1,969.44 435.77 546.71 140.35 187.14 25.00	32.64
32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0067 EA 3' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	591.26 131.40 167.58 42.71 56.95 25.00	6.45
32 31 19 00-0068 EA 3'-6" Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	641.07 142.55 182.16 46.39 61.85 25.00	7.52
32 31 19 00-0069 EA 4' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	691.69 153.82 196.62 50.06 66.75 25.00	8.06
32 31 19 00-0070 EA 5' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	733.04 163.00 208.30 53.04 70.72 25.00	8.58
32 31 19 00-0071 EA 6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	785.88 174.50 221.83 56.62 75.49 25.00	10.32

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences And Gates



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate.....	859.91	12.03
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	190.77	
			For Aluminum With Satin Finish, Add	241.71	
			For Third Rail, Add	61.78	
			For 1" Square x 14 Gauge Pickets, Add	82.38	
			For Rings, Add	25.00	
32 31	19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate.....	964.40	13.75
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	213.89	
			For Aluminum With Satin Finish, Add	270.74	
			For Third Rail, Add	69.23	
			For 1" Square x 14 Gauge Pickets, Add	92.31	
			For Rings, Add	25.00	
32 31	19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate.....	1,066.24	15.48
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	236.42	
			For Aluminum With Satin Finish, Add	298.97	
			For Third Rail, Add	76.48	
			For 1" Square x 14 Gauge Pickets, Add	101.98	
			For Rings, Add	25.00	
32 31	19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate.....	1,162.78	17.20
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	257.75	
			For Aluminum With Satin Finish, Add	325.61	
			For Third Rail, Add	83.34	
			For 1" Square x 14 Gauge Pickets, Add	111.12	
			For Rings, Add	25.00	
32 31	19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate	1,182.53	14.52
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	262.80	
			For Aluminum With Satin Finish, Add	335.16	
			For Third Rail, Add	85.42	
			For 1" Square x 14 Gauge Pickets, Add	113.90	
			For Rings, Add	25.00	
32 31	19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate	1,282.15	15.03
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	285.10	
			For Aluminum With Satin Finish, Add	364.32	
			For Third Rail, Add	92.77	
			For 1" Square x 14 Gauge Pickets, Add	123.70	
			For Rings, Add	25.00	
32 31	19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate	1,383.38	16.13
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	307.63	
			For Aluminum With Satin Finish, Add	393.24	
			For Third Rail, Add	100.13	
			For 1" Square x 14 Gauge Pickets, Add	133.50	
			For Rings, Add	25.00	
32 31	19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate	1,464.46	16.65
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	325.75	
			For Aluminum With Satin Finish, Add	416.84	
			For Third Rail, Add	106.08	
			For 1" Square x 14 Gauge Pickets, Add	141.45	
			For Rings, Add	25.00	
32 31	19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate	1,532.29	17.20
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	340.89	
			For Aluminum With Satin Finish, Add	436.46	
			For Third Rail, Add	111.05	
			For 1" Square x 14 Gauge Pickets, Add	148.07	
			For Rings, Add	25.00	
32 31	19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate	1,734.65	20.61
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	385.65	
			For Aluminum With Satin Finish, Add	492.53	
			For Third Rail, Add	125.45	
			For 1" Square x 14 Gauge Pickets, Add	167.27	
			For Rings, Add	25.00	
32 31	19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate	1,910.53	24.07
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	424.45	
			For Aluminum With Satin Finish, Add	540.64	
			For Third Rail, Add	137.87	
			For 1" Square x 14 Gauge Pickets, Add	183.83	
			For Rings, Add	25.00	
32 31	19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate	2,061.23	27.48
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	457.58	
			For Aluminum With Satin Finish, Add	581.21	
			For Third Rail, Add	148.40	
			For 1" Square x 14 Gauge Pickets, Add	197.87	
			For Rings, Add	25.00	
32 31	19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate	2,189.43	30.93
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	485.65	
			For Aluminum With Satin Finish, Add	615.02	
			For Third Rail, Add	157.24	
			For 1" Square x 14 Gauge Pickets, Add	209.65	
			For Rings, Add	25.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0085	EA		20' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	2,296.43 508.96 642.48 164.49 219.32 25.00	34.39
32 31 19 00-0086			5' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0087	EA		3' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	645.05 143.44 183.35 46.69 62.25 25.00	7.52
32 31 19 00-0088	EA		3'-6" Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	679.77 151.13 193.05 49.17 65.56 25.00	8.06
32 31 19 00-0089	EA		4' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	713.17 158.53 202.34 51.55 68.74 25.00	8.58
32 31 19 00-0090	EA		5' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	762.46 169.50 216.40 55.13 73.50 25.00	9.12
32 31 19 00-0091	EA		6' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	824.89 183.13 232.66 59.40 79.20 25.00	10.97
32 31 19 00-0092	EA		7' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	909.85 201.84 255.68 65.36 87.15 25.00	12.77
32 31 19 00-0093	EA		8' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,030.87 228.63 289.38 74.00 98.67 25.00	14.71
32 31 19 00-0094	EA		9' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,148.93 254.78 322.32 82.44 109.93 25.00	16.55
32 31 19 00-0095	EA		10' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,264.34 280.34 354.48 90.69 120.92 25.00	18.36
32 31 19 00-0096	EA		6' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,281.13 285.54 368.05 93.37 124.49 25.00	12.68
32 31 19 00-0097	EA		7' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,352.05 301.04 386.62 98.24 130.98 25.00	14.77

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0098	EA 8' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,423.35	17.00
	<i>For Solid Pickets, Add</i>	316.61	
	<i>For Aluminum With Satin Finish, Add</i>	405.13	
	<i>For Third Rail, Add</i>	103.10	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	137.47	
	<i>For Rings, Add</i>	25.00	
32 31 19 00-0099	EA 9' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,524.73	19.13
	<i>For Solid Pickets, Add</i>	338.97	
	<i>For Aluminum With Satin Finish, Add</i>	432.83	
	<i>For Third Rail, Add</i>	110.26	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	147.01	
	<i>For Rings, Add</i>	25.00	
32 31 19 00-0100	EA 10' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,612.88	21.22
	<i>For Solid Pickets, Add</i>	358.35	
	<i>For Aluminum With Satin Finish, Add</i>	456.56	
	<i>For Third Rail, Add</i>	116.42	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	155.22	
	<i>For Rings, Add</i>	25.00	
32 31 19 00-0101	EA 12' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,838.13	23.62
	<i>For Solid Pickets, Add</i>	408.52	
	<i>For Aluminum With Satin Finish, Add</i>	521.10	
	<i>For Third Rail, Add</i>	132.80	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	177.07	
	<i>For Rings, Add</i>	25.00	
32 31 19 00-0102	EA 14' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,038.96	26.20
	<i>For Solid Pickets, Add</i>	453.15	
	<i>For Aluminum With Satin Finish, Add</i>	578.00	
	<i>For Third Rail, Add</i>	147.31	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	196.41	
	<i>For Rings, Add</i>	25.00	
32 31 19 00-0103	EA 16' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,216.64	29.06
	<i>For Solid Pickets, Add</i>	492.52	
	<i>For Aluminum With Satin Finish, Add</i>	627.63	
	<i>For Third Rail, Add</i>	160.02	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	213.36	
	<i>For Rings, Add</i>	25.00	
32 31 19 00-0104	EA 18' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,374.19	32.29
	<i>For Solid Pickets, Add</i>	527.27	
	<i>For Aluminum With Satin Finish, Add</i>	670.74	
	<i>For Third Rail, Add</i>	171.15	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	228.19	
	<i>For Rings, Add</i>	25.00	
32 31 19 00-0105	EA 20' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,511.62	35.90
	<i>For Solid Pickets, Add</i>	557.42	
	<i>For Aluminum With Satin Finish, Add</i>	707.34	
	<i>For Third Rail, Add</i>	180.68	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	240.91	
	<i>For Rings, Add</i>	25.00	
32 31 19 00-0106	6' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0107	EA 3' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	669.82	8.26
	<i>For Solid Pickets, Add</i>	148.85	
	<i>For Aluminum With Satin Finish, Add</i>	189.77	
	<i>For Third Rail, Add</i>	48.37	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	64.50	
	<i>For Rings, Add</i>	25.00	
32 31 19 00-0108	EA 3'-6" Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	704.21	8.71
	<i>For Solid Pickets, Add</i>	156.49	
	<i>For Aluminum With Satin Finish, Add</i>	199.51	
	<i>For Third Rail, Add</i>	50.86	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	67.81	
	<i>For Rings, Add</i>	25.00	
32 31 19 00-0109	EA 4' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	738.85	9.20
	<i>For Solid Pickets, Add</i>	164.17	
	<i>For Aluminum With Satin Finish, Add</i>	209.21	
	<i>For Third Rail, Add</i>	53.34	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	71.12	
	<i>For Rings, Add</i>	25.00	
32 31 19 00-0110	EA 5' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	781.62	9.77
	<i>For Solid Pickets, Add</i>	173.66	
	<i>For Aluminum With Satin Finish, Add</i>	221.27	
	<i>For Third Rail, Add</i>	56.42	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	75.23	
	<i>For Rings, Add</i>	25.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	873.83 193.95 246.18 62.88 83.84 25.00	11.80
32 31	19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	972.66 215.73 273.07 69.83 93.11 25.00	13.87
32 31	19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,084.43 240.44 303.99 77.78 103.70 25.00	15.80
32 31	19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,191.21 264.01 333.27 85.32 113.77 25.00	17.84
32 31	19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,323.15 293.23 370.09 94.76 126.35 25.00	19.87
32 31	19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,329.00 296.10 381.14 96.75 129.00 25.00	13.67
32 31	19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,401.97 312.01 399.99 101.71 135.62 25.00	16.03
32 31	19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,474.57 327.87 418.90 106.68 142.24 25.00	18.26
32 31	19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,563.42 347.35 442.52 112.84 150.45 25.00	20.61
32 31	19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,707.90 379.35 482.83 123.17 164.23 25.00	22.97
32 31	19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	2,008.04 446.33 569.52 145.12 193.50 25.00	25.58
32 31	19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	2,096.02 465.48 592.08 151.08 201.44 25.00	28.58
32 31	19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	2,299.94 510.67 649.10 165.68 220.91 25.00	31.81

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	2,485.04 551.55 700.01 178.79 238.39 25.00	35.38
32 31	19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	2,654.36 588.77 745.53 190.61 254.15 25.00	39.48
32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)					
32 31	19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	708.94 157.50 200.59 51.16 68.21 25.00	8.94
32 31	19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	744.79 165.46 210.71 53.74 71.65 25.00	9.42
32 31	19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	780.70 173.42 220.81 56.32 75.09 25.00	9.91
32 31	19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	816.66 181.40 230.92 58.90 78.54 25.00	10.42
32 31	19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	942.63 209.24 265.66 67.84 90.46 25.00	12.68
32 31	19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,057.69 234.64 297.27 75.99 101.32 25.00	14.84
32 31	19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,138.62 252.34 318.51 81.55 108.73 25.00	17.06
32 31	19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,232.48 272.98 343.76 88.11 117.47 25.00	19.23
32 31	19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,349.19 298.73 375.72 96.35 128.47 25.00	21.49
32 31	19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,406.00 313.21 402.96 102.31 136.41 25.00	14.64



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0137	EA		7' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,481.97 329.77 422.55 107.48 143.30 25.00	17.12
32 31 19 00-0138	EA		8' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,558.29 346.38 442.10 112.64 150.19 25.00	19.74
32 31 19 00-0139	EA		9' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,635.57 363.24 462.09 117.90 157.21 25.00	22.22
32 31 19 00-0140	EA		10' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	1,843.01 409.36 520.97 132.90 177.21 25.00	24.84
32 31 19 00-0141	EA		12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	2,236.58 497.30 635.37 161.81 215.75 25.00	27.71
32 31 19 00-0142	EA		14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	2,198.48 488.00 619.62 158.23 210.98 25.00	31.06
32 31 19 00-0143	EA		16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	2,378.28 527.69 668.94 170.95 227.93 25.00	34.65
32 31 19 00-0144	EA		18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	2,593.96 575.34 728.37 186.24 248.33 25.00	38.75
32 31 19 00-0145	EA		20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	2,729.90 604.97 763.40 195.48 260.64 25.00	43.22
32 31 19 00-0146			8' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0147	EA		3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	770.69 171.23 218.14 55.62 74.17 25.00	9.67
32 31 19 00-0148	EA		3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	808.07 179.52 228.63 58.31 77.74 25.00	10.19
32 31 19 00-0149	EA		4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Rings, Add</i>	848.08 188.40 239.91 61.19 81.58 25.00	10.74

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate.....	880.94	11.96
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	195.51	
		For Aluminum With Satin Finish, Add	248.10	
		For Third Rail, Add	63.37	
		For 1" Square x 14 Gauge Pickets, Add	84.50	
		For Rings, Add	25.00	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate.....	1,044.54	13.55
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	231.97	
		For Aluminum With Satin Finish, Add	295.07	
		For Third Rail, Add	75.29	
		For 1" Square x 14 Gauge Pickets, Add	100.39	
		For Rings, Add	25.00	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate.....	1,157.55	16.33
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	256.77	
		For Aluminum With Satin Finish, Add	325.20	
		For Third Rail, Add	83.14	
		For 1" Square x 14 Gauge Pickets, Add	110.85	
		For Rings, Add	25.00	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate.....	1,201.37	18.99
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	266.03	
		For Aluminum With Satin Finish, Add	334.72	
		For Third Rail, Add	85.82	
		For 1" Square x 14 Gauge Pickets, Add	114.43	
		For Rings, Add	25.00	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate.....	1,282.60	21.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	283.67	
		For Aluminum With Satin Finish, Add	355.31	
		For Third Rail, Add	91.28	
		For 1" Square x 14 Gauge Pickets, Add	121.71	
		For Rings, Add	25.00	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate.....	1,351.92	24.61
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	298.64	
		For Aluminum With Satin Finish, Add	372.33	
		For Third Rail, Add	95.85	
		For 1" Square x 14 Gauge Pickets, Add	127.81	
		For Rings, Add	25.00	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate.....	1,529.36	15.64
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	340.75	
		For Aluminum With Satin Finish, Add	438.69	
		For Third Rail, Add	111.35	
		For 1" Square x 14 Gauge Pickets, Add	148.47	
		For Rings, Add	25.00	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate.....	1,612.76	18.87
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	358.83	
		For Aluminum With Satin Finish, Add	459.56	
		For Third Rail, Add	116.91	
		For 1" Square x 14 Gauge Pickets, Add	155.88	
		For Rings, Add	25.00	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate.....	1,694.46	21.97
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	376.54	
		For Aluminum With Satin Finish, Add	480.08	
		For Third Rail, Add	122.37	
		For 1" Square x 14 Gauge Pickets, Add	163.17	
		For Rings, Add	25.00	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate.....	1,760.64	25.22
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	390.74	
		For Aluminum With Satin Finish, Add	495.78	
		For Third Rail, Add	126.65	
		For 1" Square x 14 Gauge Pickets, Add	168.86	
		For Rings, Add	25.00	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate.....	2,049.32	28.45
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	455.00	
		For Aluminum With Satin Finish, Add	578.23	
		For Third Rail, Add	147.60	
		For 1" Square x 14 Gauge Pickets, Add	196.81	
		For Rings, Add	25.00	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate.....	2,566.85	32.03
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	570.68	
		For Aluminum With Satin Finish, Add	728.86	
		For Third Rail, Add	185.65	
		For 1" Square x 14 Gauge Pickets, Add	247.53	
		For Rings, Add	25.00	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate.....	2,321.62	36.13
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	514.62	
		For Aluminum With Satin Finish, Add	650.02	
		For Third Rail, Add	166.38	
		For 1" Square x 14 Gauge Pickets, Add	221.84	
		For Rings, Add	25.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0163 EA 16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	2,478.15 548.83 690.91 177.11 236.14 25.00	40.87
32 31 19 00-0164 EA 18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	2,727.46 603.81 759.00 194.69 259.58 25.00	46.06
32 31 19 00-0165 EA 20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For Rings, Add	2,765.33 611.08 762.86 196.28 261.70 25.00	51.91
32 31 19 00-0166 Steel Tube Fence/Gate Accessories (32 31 19 00-0032)		
32 31 19 00-0167 EA Double Drive Latch / 180 Degree.....	381.43	
32 31 19 00-0168 EA Ameristar Lock / 180 Degree	238.39	
32 31 19 00-0169 EA Ameristar Lock / Box Hinge	254.28	
32 31 19 00-0170 EA Fork Latch / Box Hinge	184.36	
32 31 19 00-0171 EA Fork Latch / 180 Degree Hinge.....	152.57	
32 31 19 00-0172 EA Ring Adornment.....	2.57	
32 31 19 00-0173 EA 3" Ball Cap.....	13.94	
32 31 19 00-0174 EA 4" Ball Cap.....	15.66	
32 31 19 00-0175 EA 6" Ball Cap.....	51.73	
32 31 19 00-0176 Replace Steel Tube Fence Pickets (32 31 19 00-0032)		
32 31 19 00-0177 LF Replace 3/4" Square x 16 Gauge Steel Tube Fence Picket For 1" Square x 14 Gauge Pickets, Add	11.09 0.46	
32 31 19 00-0178 Remove And Reinstall Ornamental Fences (32 31 19) Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0179 LF Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	14.52	
32 31 19 00-0180 LF Removal And Reinstallation Of Ornamental Fence, 6' Height	15.97	
32 31 19 00-0181 LF Removal And Reinstallation Of Ornamental Fence, 7' Height	17.42	
32 31 19 00-0182 LF Removal And Reinstallation Of Ornamental Fence, 8' Height	18.87	
32 31 19 00-0183 LF Removal And Reinstallation Of Ornamental Fence, 9' Height	20.33	
32 31 19 00-0184 LF Removal And Reinstallation Of Ornamental Fence, 10' Height	21.77	
32 31 19 00-0185 LF Removal And Reinstallation Of Ornamental Fence 12' Height	24.19	
32 31 26 Wire Fences And Gates (32 31)		
32 31 26 00-0001 Chicken Wire (32 31 26) Note: Posts at 4'.		
32 31 26 00-0002 LF 1" Mesh, 4' High Chicken Wire Posts At 4'	3.27	0.53
32 31 26 00-0003 LF 2" Mesh, 6' High Chicken Wire Posts At 4'	3.41	0.53
32 31 26 00-0004 Wire And Screen (32 31 26)		
32 31 26 00-0005 Wire And Screen For Partitions And Fences (32 31 26 00-0004) Note: Excludes framing and post.		
32 31 26 00-0006 Screen Wire (32 31 26 00-0005)		
32 31 26 00-0007 LF Screen Wire, 48" Wide Rolls.....	5.22	0.39
32 31 26 00-0008 Screen For Partitions And Ceilings (32 31 26 00-0004) Note: Can be used to support insulation on walls and ceilings.		
32 31 26 00-0009 SF 1" Mesh Chicken Wire	0.96	
32 31 26 00-0010 Wicket Fence (32 31 26)		
32 31 26 00-0011 LF Steel Wicket Fence, Painted.....	41.85	2.29
32 31 29 Wood Fences And Gates (32 31) See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001 Basket Weave (32 31 29) Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002 LF 6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post..... For Fastening With Screws Instead Of Nails, Add	21.53 1.19	1.05
32 31 29 00-0003 LF 6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post..... For Fastening With Screws Instead Of Nails, Add	12.33 0.73	1.05

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences And Gates



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0004			Board Fence <small>(32 31 29)</small> Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF		Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated	9.41	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-0.91	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.11	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.59	
32 31 29 00-0006	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated	10.54	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-1.00	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.20	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.66	
32 31 29 00-0007	LF		Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated	11.92	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-1.07	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.28	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.73	
32 31 29 00-0008	LF		Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated	12.78	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-1.13	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.34	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.78	
32 31 29 00-0009	LF		Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated	13.71	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-1.19	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.41	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.83	
32 31 29 00-0010	LF		Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar	10.18	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-0.94	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.13	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.63	
32 31 29 00-0011	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar	11.13	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-1.02	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.22	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.69	
32 31 29 00-0012	LF		Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar	11.92	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-1.07	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.28	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.73	
32 31 29 00-0013	LF		Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar	12.78	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-1.13	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.34	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.78	
32 31 29 00-0014	LF		Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar	13.71	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-1.19	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.41	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.83	
32 31 29 00-0015	LF		Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar	10.18	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-0.94	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.13	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.63	
32 31 29 00-0016	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar	13.75	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-1.12	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.30	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.82	
32 31 29 00-0017	LF		Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar	14.43	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-1.17	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.35	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.86	
32 31 29 00-0018	LF		Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar	15.59	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-1.24	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.43	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.92	
32 31 29 00-0019	LF		Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar	16.85	1.05
			<i>For 1" x 6" Boards, Deduct</i>	-1.32	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	1.50	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.99	
32 31 29 00-0020			Shadow Box <small>(32 31 29)</small> Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	11.44	1.05
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.68	
32 31 29 00-0022	LF		Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	14.23	1.05
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.84	
32 31 29 00-0023	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	15.38	1.05
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.90	
32 31 29 00-0024	LF		Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	16.51	1.05
			<i>For Fastening With Screws Instead Of Nails, Add</i>	0.97	
32 31 29 00-0025			Open Rail Fence <small>(32 31 29)</small>		
32 31 29 00-0026			Post And Rail Fence, Ranch Style <small>(32 31 29 00-0025)</small>		
32 31 29 00-0027	LF		Post And Rail Fence, 2 Rails, 3' High #1 Cedar	8.00	1.05
32 31 29 00-0028	LF		Post And Rail Fence, 2 Rails, 3' High #2 Cedar	6.31	1.05
32 31 29 00-0029	LF		Post And Rail Fence, 3 Rails, 4' High #1 Cedar	9.46	1.05
32 31 29 00-0030	LF		Post And Rail Fence, 3 Rails, 4' High #2 Cedar	6.81	1.05
32 31 29 00-0031			Split Rail Fence <small>(32 31 29 00-0025)</small>		
32 31 29 00-0032	LF		Split Rail Fence, 2 Rails, 3' High #1 Cedar	7.57	1.05
32 31 29 00-0033	LF		Split Rail Fence, 2 Rails, 3' High #2 Cedar	6.29	1.05



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	32 31 29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	8.63	1.05
	32 31 29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	7.06	1.05
32 31 29 00-0036			Picket Fence (32 31 29)		
	32 31 29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated <i>For Fastening With Screws Instead Of Nails, Add</i>	7.78 0.52	1.05
	32 31 29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	7.39 0.50	1.05
32 31 29 00-0039			Wood Gate (32 31 29)		
32 31 29 00-0040			Board Fence Gates, Pressure Treated Wood (32 31 29 00-0039)		
			Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
	32 31 29 00-0041	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	159.05	46.26
	32 31 29 00-0042	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	176.57	49.04
	32 31 29 00-0043	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	197.79	53.67
	32 31 29 00-0044	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	225.97	56.44
	32 31 29 00-0045	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	254.14	59.21
	32 31 29 00-0046	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	201.96	61.07
	32 31 29 00-0047	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	220.82	63.84
	32 31 29 00-0048	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	239.68	66.61
	32 31 29 00-0049	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	271.83	69.39
	32 31 29 00-0050	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	297.34	72.17
32 31 29 00-0051			Board Fence Gates, Grade 2 Cedar (32 31 29 00-0039)		
			Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
	32 31 29 00-0052	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	245.55	32.96
	32 31 29 00-0053	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	253.49	34.94
	32 31 29 00-0054	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	265.40	38.24
	32 31 29 00-0055	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	280.01	40.21
	32 31 29 00-0056	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	298.59	42.20
	32 31 29 00-0057	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	286.60	43.52
	32 31 29 00-0058	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	297.21	45.49
	32 31 29 00-0059	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	314.46	47.47
	32 31 29 00-0060	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	331.73	49.44
	32 31 29 00-0061	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	348.98	51.43
32 31 29 00-0062			Board Fence Gates, Grade 1 Cedar (32 31 29 00-0039)		
			Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
	32 31 29 00-0063	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	265.51	32.96
	32 31 29 00-0064	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	276.11	34.94
	32 31 29 00-0065	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	289.35	38.24
	32 31 29 00-0066	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	306.61	40.21
	32 31 29 00-0067	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	323.87	42.20
	32 31 29 00-0068	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	313.20	43.52
	32 31 29 00-0069	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	323.82	45.49
	32 31 29 00-0070	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	341.07	47.47
	32 31 29 00-0071	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	358.34	49.44
	32 31 29 00-0072	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	382.24	51.43
32 31 29 00-0073			Pressure Treated Wood Fence Posts (32 31 29)		
			See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0605 for barbed wire, 32 31 56 00-0017 for barbed wire.		
	32 31 29 00-0074	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	15.06	4.63
	32 31 29 00-0075	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	17.17	4.63
	32 31 29 00-0076	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	26.28	8.89
	32 31 29 00-0077	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	28.67	8.89
32 31 56			Wild Life Deterrent Fence (32 31)		
32 31 56 00-0001			Barbed Wire Fences (32 31 56)		
			Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 56 00-0002			Fence Posts (32 31 56 00-0001)		
32 31 56 00-0003			Fence Post Soil, Set In Concrete (32 31 56 00-0002)		
	32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	52.56	2.58
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	85.95	
	32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	74.31	2.58
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	122.27	
32 31 56 00-0006			Post In Rock (32 31 56 00-0002)		
	32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock.....	51.99	2.58
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	85.09	
	32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	73.74	2.58
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	121.42	

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32 31 56 00-0009	Studded Steel T-Posts, Enamel Paint Finish (32 31 56 00-0001)		
	Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010	EA 5' Studded Steel T-Post, Driven Into Earth	9.49	
32 31 56 00-0011	EA 5'-6" Studded Steel T-Post, Driven Into Earth	9.73	
32 31 56 00-0012	EA 6' Studded Steel T-Post, Driven Into Earth	10.30	
32 31 56 00-0013	EA 6'-6" Studded Steel T-Post, Driven Into Earth	10.88	
32 31 56 00-0014	EA 7' Studded Steel T-Post, Driven Into Earth	11.67	
32 31 56 00-0015	EA 8' Studded Steel T-Post, Driven Into Earth	13.41	
32 31 56 00-0016	EA 10' Studded Steel T-Post, Driven Into Earth	17.26	
32 31 56 00-0017	Barbed Wire (32 31 56 00-0001)		
	Note: Per strand.		
32 31 56 00-0018	LF Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.31	0.13
32 31 56 00-0019	LF Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	0.40	0.13
32 31 56 00-0020	Barbed Wire Fence, Farm Style, With Wood Posts (32 31 56 00-0001)		
	Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0021	LF 4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts	4.60	0.84
	Note: Posts at 10' maximum.		

32 32 Retaining Walls (32 30)**32 32 13 Cast-In-Place Concrete Retaining Wall** (32 32)

Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001	LF 4' High With Base, 10" Thick Reinforced	157.59	50.12
	For >3:1 Sloped Soil At Top, Add	4.88	
32 32 13 00-0002	LF 6' High With Base, 10" Thick Reinforced	197.50	61.68
	For >3:1 Sloped Soil At Top, Add	6.30	
32 32 13 00-0003	LF 8' High With Base, 10" Thick Reinforced	215.86	66.53
	For >3:1 Sloped Soil At Top, Add	7.04	
32 32 13 00-0004	LF 10' High With Base, 13" Thick Reinforced	277.75	82.27
	For >3:1 Sloped Soil At Top, Add	9.63	
32 32 13 00-0005	LF 12' High With Base, 14" Thick Reinforced	320.42	94.49
	For >3:1 Sloped Soil At Top, Add	11.17	
32 32 13 00-0006	LF 16' High With Base, 16" Thick Reinforced	461.44	138.62
	For >3:1 Sloped Soil At Top, Add	15.66	
32 32 13 00-0007	LF 20' High With Base, 18" Thick Reinforced	632.24	191.37
	For >3:1 Sloped Soil At Top, Add	21.20	
32 32 13 00-0008	LF 4' High With Base, 12" Thick Reinforced	173.55	54.74
	For >3:1 Sloped Soil At Top, Add	5.45	
32 32 13 00-0009	LF 6' High With Base, 12" Thick Reinforced	213.60	65.96
	For >3:1 Sloped Soil At Top, Add	6.95	
32 32 13 00-0010	LF 8' High With Base, 12" Thick Reinforced	227.29	68.82
	For >3:1 Sloped Soil At Top, Add	7.62	
32 32 13 00-0011	LF 10' High With Base, 16" Thick Reinforced	315.35	92.23
	For >3:1 Sloped Soil At Top, Add	11.12	
32 32 13 00-0012	LF 12' High With Base, 18" Thick Reinforced	398.19	118.47
	For >3:1 Sloped Soil At Top, Add	13.71	
32 32 13 00-0013	LF 16' High With Base, 21" Thick Reinforced	594.97	179.58
	For >3:1 Sloped Soil At Top, Add	20.05	
32 32 13 00-0014	LF 20' High With Base, 24" Thick Reinforced	839.60	253.49
	For >3:1 Sloped Soil At Top, Add	28.27	

32 32 16 Precast Concrete Retaining Walls (32 32)

32 32 16 00-0001	Precast Retaining Walls (32 32 16)		
	Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002	SF Precast Concrete Retaining Walls, 10-15' high Tied-back Earth Walls	26.77	5.20
32 32 16 00-0003	SF Precast Concrete Retaining Walls, 16-20' High Tied-back Earth Walls	27.04	4.19
32 32 16 00-0004	SF Precast Concrete Retaining Walls, 21-25' High Tied-back Earth Walls	27.72	3.48
32 32 16 00-0005	SF Precast Concrete Retaining Walls, 26-30' High Tied-back Earth Walls	29.87	3.48
32 32 16 00-0006	SF Precast Concrete Retaining Walls, >30' High Tied-back Earth Walls	31.33	2.98

32 32 23 Segmental Retaining Walls (32 32)**32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls** (32 32 23)

32 32 23 13-0001	Modular Retaining Wall Systems (32 32 23 13)		
	Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		
32 32 23 13-0002	"Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0003	SF Up To 4' Height "Amastone" Type Modular Retaining Wall System	34.68	2.76
	For >3:1 Sloped Soil At Top, Add	2.48	
32 32 23 13-0004	SF 4 To 8' Height "Amastone" Type Modular Retaining Wall System	36.60	2.90
	For >3:1 Sloped Soil At Top, Add	2.62	



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32 32 23 13-0005	SF		8 To 12' Height "Amastone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	37.87 2.68	3.20
32 32 23 13-0006	SF		12 To 16' Height "Amastone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	39.25 2.74	3.49
32 32 23 13-0007			"Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0008	SF		Up To 4' Height "Diamond" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	36.20 2.61	2.76
32 32 23 13-0009	SF		4 To 8' Height "Diamond" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	38.12 2.75	2.90
32 32 23 13-0010	SF		8 To 12' Height "Diamond" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	39.40 2.81	3.20
32 32 23 13-0011	SF		12 To 16' Height "Diamond" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	40.78 2.87	3.49
32 32 23 13-0012			"Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0013	SF		Up To 4' Height "Keystone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	39.84 2.92	2.76
32 32 23 13-0014	SF		4 To 8' Height "Keystone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	41.76 3.06	2.90
32 32 23 13-0015	SF		8 To 12' Height "Keystone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	43.04 3.12	3.20
32 32 23 13-0016	SF		12 To 16' Height "Keystone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	44.42 3.18	3.49
32 32 23 13-0017			"Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0018	SF		Up To 4' Height "Criblock" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	34.68 2.48 0.25	2.76
32 32 23 13-0019	SF		4 To 8' Height "Criblock" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	36.60 2.62 0.25	2.90
32 32 23 13-0020	SF		8 To 12' Height "Criblock" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	37.87 2.68 0.25	3.20
32 32 23 13-0021	SF		12 To 16' Height "Criblock" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	39.25 2.74 0.25	3.49
32 32 23 13-0022			"Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0023	SF		Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	30.06 2.09	2.76
32 32 23 13-0024	SF		4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	33.50 2.35	2.90
32 32 23 13-0025	SF		8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	34.80 2.41	3.20
32 32 23 13-0026	SF		12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	35.90 2.46	3.49
32 32 23 13-0027			Retaining Wall Cap Block Restoration (32 32 23 13-0001)		
			Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF		Removal And Reinstall Retaining Wall Cap Block And Pins <i>For >3:1 Sloped Soil At Top, Add</i>	17.79 1.13	
32 32 26			Metal Crib Retaining Walls (32 32)		
32 32 26 00-0001			Aluminized Steel Bin (32 32 26)		
			Note: Excludes excavation and backfill.		
32 32 26 00-0002	SF		4' High, 5.5' Deep Aluminized Steel Bin <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	24.69 1.71 -2.01	2.29
32 32 26 00-0003	SF		8' High, 5.5' Deep Aluminized Steel Bin <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	27.76 1.97 -2.32	2.29
32 32 26 00-0004	SF		10' High, 7.7' Deep Aluminized Steel Bin <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	29.65 2.10 -2.47	2.50
32 32 26 00-0005	SF		12' High, 7.7' Deep Aluminized Steel Bin <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	33.79 2.39 -2.82	2.82
32 32 26 00-0006	SF		16' High, 7.7' Deep Aluminized Steel Bin <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	32.43 2.26 -2.66	2.93
32 32 26 00-0007	SF		16' High, 9.9' Deep Aluminized Steel Bin <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	36.30 2.58 -3.04	2.98
32 32 26 00-0008	SF		20' High, 9.9' Deep Aluminized Steel Bin <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Galvanized Type, Deduct</i>	40.33 2.89 -3.40	3.14

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**MINOR
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32 32 26 00-0009	SF	20' High, 12.1' Deep Aluminized Steel Bin	41.28	3.30
		<i>For >3:1 Sloped Soil At Top, Add</i>	2.95	
		<i>For Galvanized Type, Deduct</i>	-3.47	
32 32 26 00-0010	SF	24' High, 12.1' Deep Aluminized Steel Bin	43.50	3.30
		<i>For >3:1 Sloped Soil At Top, Add</i>	3.14	
		<i>For Galvanized Type, Deduct</i>	-3.69	
32 32 26 00-0011	SF	24' High, 14.3' Deep Aluminized Steel Bin	45.72	3.35
		<i>For >3:1 Sloped Soil At Top, Add</i>	3.32	
		<i>For Galvanized Type, Deduct</i>	-3.91	
32 32 26 00-0012	SF	28' High, 14.3' Deep Aluminized Steel Bin	47.28	3.41
		<i>For >3:1 Sloped Soil At Top, Add</i>	3.44	
		<i>For Galvanized Type, Deduct</i>	-4.05	

32 32 29 Timber Retaining Walls (32 32)**32 32 29 00-0001 Wood Post Retaining Walls (32 32 29)**

Note: System elements include wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0002	LF	4" x 4", 1' High, Redwood	46.21	9.98
		<i>For >3:1 Sloped Soil At Top, Add</i>	2.23	
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood	90.31	19.54
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.36	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar	42.85	9.98
		<i>For >3:1 Sloped Soil At Top, Add</i>	1.95	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar	83.78	19.54
		<i>For >3:1 Sloped Soil At Top, Add</i>	3.80	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber	42.63	8.72
		<i>For >3:1 Sloped Soil At Top, Add</i>	2.14	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber	83.54	17.05
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.20	
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber	37.68	7.73
		<i>For >3:1 Sloped Soil At Top, Add</i>	1.89	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber	68.08	14.01
		<i>For >3:1 Sloped Soil At Top, Add</i>	3.41	
32 32 29 00-0010	LF	6 x 6, 2' High, Redwood	133.08	23.67
		<i>For >3:1 Sloped Soil At Top, Add</i>	7.29	
32 32 29 00-0011	LF	6 x 6, 4' High, Redwood	264.26	46.39
		<i>For >3:1 Sloped Soil At Top, Add</i>	14.58	
32 32 29 00-0012	LF	6 x 6, 2' High, Cedar	129.35	23.67
		<i>For >3:1 Sloped Soil At Top, Add</i>	6.97	
32 32 29 00-0013	LF	6 x 6, 4' High, Cedar	254.94	46.39
		<i>For >3:1 Sloped Soil At Top, Add</i>	13.79	
32 32 29 00-0014	LF	6 x 6, 2' High, Pressure Treated Lumber	118.62	19.22
		<i>For >3:1 Sloped Soil At Top, Add</i>	6.81	
32 32 29 00-0015	LF	6 x 6, 4' High, Pressure Treated Lumber	236.26	37.95
		<i>For >3:1 Sloped Soil At Top, Add</i>	13.63	
32 32 29 00-0016	LF	6 x 6, 2' High, Creosoted Lumber	95.08	15.37
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.47	
32 32 29 00-0017	LF	6 x 6, 4' High, Creosoted Lumber	187.85	30.07
		<i>For >3:1 Sloped Soil At Top, Add</i>	10.86	
32 32 29 00-0018	LF	8 x 8, 4' High, Redwood	358.02	51.29
		<i>For >3:1 Sloped Soil At Top, Add</i>	21.71	
32 32 29 00-0019	LF	8 x 8, 6' High, Redwood	670.62	95.75
		<i>For >3:1 Sloped Soil At Top, Add</i>	40.73	
32 32 29 00-0020	LF	8 x 8, 4' High, Cedar	339.37	51.29
		<i>For >3:1 Sloped Soil At Top, Add</i>	20.13	
32 32 29 00-0021	LF	8 x 8, 6' High, Cedar	635.20	95.75
		<i>For >3:1 Sloped Soil At Top, Add</i>	37.72	
32 32 29 00-0022	LF	8 x 8, 4' High, Pressure Treated Lumber	308.51	59.16
		<i>For >3:1 Sloped Soil At Top, Add</i>	16.16	
32 32 29 00-0023	LF	8 x 8, 6' High, Pressure Treated Lumber	575.22	110.50
		<i>For >3:1 Sloped Soil At Top, Add</i>	30.11	
32 32 29 00-0024	LF	8 x 8, 4' High, Creosoted Lumber	249.45	47.83
		<i>For >3:1 Sloped Soil At Top, Add</i>	13.07	
32 32 29 00-0025	LF	8 x 8, 6' High, Creosoted Lumber	462.65	88.71
		<i>For >3:1 Sloped Soil At Top, Add</i>	24.25	
32 32 29 00-0026	LF	Random Diameter Poles, Cedar 4' High	86.06	19.71
		<i>For >3:1 Sloped Soil At Top, Add</i>	3.96	
32 32 29 00-0027	LF	Random Diameter Poles, Cedar 6' High	128.15	29.58
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.86	
32 32 29 00-0028	LF	Random Diameter Poles, Cedar 8' High	170.22	39.42
		<i>For >3:1 Sloped Soil At Top, Add</i>	7.76	
32 32 29 00-0029	LF	Random Diameter Poles, 4' High Creosoted Lumber	67.97	11.14
		<i>For >3:1 Sloped Soil At Top, Add</i>	3.88	
32 32 29 00-0030	LF	Random Diameter Poles, 6' High Creosoted Lumber	99.26	16.07
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.71	
32 32 29 00-0031	LF	Random Diameter Poles, 8' High	134.74	21.71
		<i>For >3:1 Sloped Soil At Top, Add</i>	7.76	

32 32 29 00-0032 Post And Board Retaining Walls (32 32 29)

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033	LF	4 x 4 Post, 4' Spacing, 3' High Redwood, 2" Planking	45.68	5.91
		<i>For >3:1 Sloped Soil At Top, Add</i>	2.88	
32 32 29 00-0034	LF	4 x 4 Post, 2' Spacing, 4' High 2" Planking, Redwood	65.90	10.12
		<i>For >3:1 Sloped Soil At Top, Add</i>	3.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0035 LF 6 x 6 Post, 4' Spacing, 5' High 2" Planking, Redwood.....	89.47	12.57
For >3:1 Sloped Soil At Top, Add	5.47	
32 32 29 00-0036 LF 6 x 6 Post, 3' Spacing, 6' High 2" Planking, Redwood.....	124.17	17.82
For >3:1 Sloped Soil At Top, Add	7.53	
32 32 29 00-0037 LF 6 x 6 With Deadman, 3' Spacing, 8' High 2" Planking, Redwood.....	162.87	23.17
For >3:1 Sloped Soil At Top, Add	9.90	
32 32 29 00-0038 LF 8 x 8 Post, 2' Spacing, 8' High 2" Planking, Redwood.....	341.54	45.87
For >3:1 Sloped Soil At Top, Add	21.23	
32 32 29 00-0039 LF 8 x 8 With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood.....	390.55	50.80
For >3:1 Sloped Soil At Top, Add	24.56	
32 32 29 00-0040 LF 4 x 4 Post, 4' Spacing, 3' High, 2" Planking, Cedar.....	45.70	6.17
For >3:1 Sloped Soil At Top, Add	2.84	
32 32 29 00-0041 LF 4 x 4 With Deadman, 2' Spacing, 4' High 2" Planking, Cedar.....	79.68	10.96
For >3:1 Sloped Soil At Top, Add	4.91	
32 32 29 00-0042 LF 6 x 6 Post, 4' Spacing, 4' High 2" Planking, Cedar.....	78.36	10.74
For >3:1 Sloped Soil At Top, Add	4.83	
32 32 29 00-0043 LF 6 x 6 Post, 3' Spacing, 5' High 2" Planking, Cedar.....	108.24	15.44
For >3:1 Sloped Soil At Top, Add	6.58	
32 32 29 00-0044 LF 6 x 6 Post, 2' Spacing, 6' High 2" Planking, Cedar.....	165.84	24.64
For >3:1 Sloped Soil At Top, Add	9.90	
32 32 29 00-0045 LF 6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar.....	133.88	18.94
For >3:1 Sloped Soil At Top, Add	8.16	
32 32 29 00-0046 LF 8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar.....	353.80	47.34
For >3:1 Sloped Soil At Top, Add	22.03	
32 32 29 00-0047 LF 4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated.....	41.89	11.38
For >3:1 Sloped Soil At Top, Add	1.62	
32 32 29 00-0048 LF 4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated.....	61.90	16.18
For >3:1 Sloped Soil At Top, Add	2.51	
32 32 29 00-0049 LF 4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat.....	95.65	22.20
For >3:1 Sloped Soil At Top, Add	4.36	
32 32 29 00-0050 LF 6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated.....	174.67	37.46
For >3:1 Sloped Soil At Top, Add	8.48	
32 32 29 00-0051 LF 6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated.....	179.33	37.46
For >3:1 Sloped Soil At Top, Add	8.87	
32 32 29 00-0052 LF 6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat.....	165.22	35.99
For >3:1 Sloped Soil At Top, Add	7.92	
32 32 29 00-0053 LF 8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated.....	396.75	82.80
For >3:1 Sloped Soil At Top, Add	19.65	
32 32 29 00-0054 LF 4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking.....	41.89	11.38
For >3:1 Sloped Soil At Top, Add	1.62	
32 32 29 00-0055 LF 4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking.....	61.90	16.18
For >3:1 Sloped Soil At Top, Add	2.51	
32 32 29 00-0056 LF 4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking.....	95.65	22.20
For >3:1 Sloped Soil At Top, Add	4.36	
32 32 29 00-0057 LF 6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking.....	121.40	27.62
For >3:1 Sloped Soil At Top, Add	5.63	
32 32 29 00-0058 LF 6 x 6 Post, 2' Spacing, 7' High Creosoted, 2" Planking.....	174.67	37.46
For >3:1 Sloped Soil At Top, Add	8.48	
32 32 29 00-0059 LF 6 x 6 Post With Deadman, 3' Spacing, 8' High, Creosoted, 2" Planking.....	165.22	35.99
For >3:1 Sloped Soil At Top, Add	7.92	
32 32 29 00-0060 LF 8 x 8 Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking.....	396.75	82.80
For >3:1 Sloped Soil At Top, Add	19.65	
32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' <small>(32 32 29)</small>		
Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0062 Redwood <small>(32 32 29 00-0061)</small>		
32 32 29 00-0063 LF 2' High, 6" x 6" Wood Tie Wall.....	69.00	12.11
For >3:1 Sloped Soil At Top, Add	3.80	
32 32 29 00-0064 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	157.76	27.62
For >3:1 Sloped Soil At Top, Add	8.72	
32 32 29 00-0065 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	235.73	41.42
For >3:1 Sloped Soil At Top, Add	12.99	
32 32 29 00-0066 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	248.10	35.50
For >3:1 Sloped Soil At Top, Add	15.05	
32 32 29 00-0067 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	373.13	53.25
For >3:1 Sloped Soil At Top, Add	22.66	
32 32 29 00-0068 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	494.25	70.02
For >3:1 Sloped Soil At Top, Add	30.11	
32 32 29 00-0069 Cedar <small>(32 32 29 00-0061)</small>		
32 32 29 00-0070 LF 2' High, 6" x 6" Wood Tie Wall.....	67.14	12.11
For >3:1 Sloped Soil At Top, Add	3.64	
32 32 29 00-0071 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	152.17	27.62
For >3:1 Sloped Soil At Top, Add	8.24	
32 32 29 00-0072 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	228.27	41.42
For >3:1 Sloped Soil At Top, Add	12.36	
32 32 29 00-0073 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	235.05	35.50
For >3:1 Sloped Soil At Top, Add	13.95	
32 32 29 00-0074 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	354.49	53.25
For >3:1 Sloped Soil At Top, Add	21.08	
32 32 29 00-0075 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	468.15	70.02
For >3:1 Sloped Soil At Top, Add	27.89	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0076			Creosoted Wood (32 32 29 00-0061)		
32 32 29 00-0077	LF	2'	High, 6" x 8" Wood Tie Wall 63.93	16.07	
			<i>For >3:1 Sloped Soil At Top, Add</i> 2.70		
32 32 29 00-0078	LF	4'	High, 6" x 8" Wood Tie Wall Deadman At 6' 145.75	36.97	
			<i>For >3:1 Sloped Soil At Top, Add</i> 6.10		
32 32 29 00-0079	LF	6'	High, 6" x 8" Wood Tie Wall Deadman At 6' 216.66	54.72	
			<i>For >3:1 Sloped Soil At Top, Add</i> 9.11		
32 32 29 00-0080	LF	4'	High, 7" x 9" Wood Tie Wall Deadman At 6' 292.45	74.43	
			<i>For >3:1 Sloped Soil At Top, Add</i> 12.20		
32 32 29 00-0081	LF	6'	High, 7" x 9" Wood Tie Wall Deadman At 6' 425.66	108.43	
			<i>For >3:1 Sloped Soil At Top, Add</i> 17.75		
32 32 29 00-0082	LF	8'	High, 7" x 9" Wood Tie Wall Deadman At 6' 565.31	143.76	
			<i>For >3:1 Sloped Soil At Top, Add</i> 23.61		
32 32 29 00-0083			Pressure Treated Wood (32 32 29 00-0061)		
32 32 29 00-0084	LF	2'	High, 6" x 6" Wood Tie Wall 62.06	10.01	
			<i>For >3:1 Sloped Soil At Top, Add</i> 3.57		
32 32 29 00-0085	LF	4'	High, 6" x 6" Wood Tie Wall Deadman At 6' 141.37	22.68	
			<i>For >3:1 Sloped Soil At Top, Add</i> 8.16		
32 32 29 00-0086	LF	6'	High, 6" x 6" Wood Tie Wall Deadman At 6' 211.61	34.03	
			<i>For >3:1 Sloped Soil At Top, Add</i> 12.20		
32 32 29 00-0087	LF	4'	High, 8" x 8" Wood Tie Wall Deadman At 6' 213.26	40.93	
			<i>For >3:1 Sloped Soil At Top, Add</i> 11.17		
32 32 29 00-0088	LF	6'	High, 8" x 8" Wood Tie Wall Deadman At 6' 321.78	61.17	
			<i>For >3:1 Sloped Soil At Top, Add</i> 16.96		
32 32 29 00-0089	LF	8'	High, 8" x 8" Wood Tie Wall Deadman At 6' 425.51	81.33	
			<i>For >3:1 Sloped Soil At Top, Add</i> 22.34		
32 32 53			Stone Retaining Walls (32 32)		
32 32 53 00-0001			Stone Retaining Walls (32 32 53)		
			Note: Construction is either dry set or mortar set. System elements include concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.		
32 32 53 00-0002			Stone Retaining Walls (32 32 53 00-0001)		
			Note: Stone at \$16.00/ton.		
32 32 53 00-0003	LF	\$16.00/ton 3'	High Stone Retaining Wall, Dry Set 158.69	65.40	
			<i>For >3:1 Sloped Soil At Top, Add</i> 2.37		
32 32 53 00-0004	LF	\$16.00/ton 4'	High Stone Retaining Wall, Dry Set 186.09	77.80	
			<i>For >3:1 Sloped Soil At Top, Add</i> 2.59		
32 32 53 00-0005	LF	\$16.00/ton 6'	High Stone Retaining Wall, Dry Set 242.38	103.37	
			<i>For >3:1 Sloped Soil At Top, Add</i> 3.03		
32 32 53 00-0006	LF	\$16.00/ton 8'	High Stone Retaining Wall, Dry Set 369.29	161.62	
			<i>For >3:1 Sloped Soil At Top, Add</i> 3.91		
32 32 53 00-0007	LF	\$16.00/ton 10'	High Stone Retaining Wall, Dry Set 477.31	211.42	
			<i>For >3:1 Sloped Soil At Top, Add</i> 4.63		
32 32 53 00-0008	LF	\$16.00/ton 12'	High Stone Retaining Wall, Dry Set 590.75	263.28	
			<i>For >3:1 Sloped Soil At Top, Add</i> 5.45		
32 32 53 00-0009	LF	\$16.00/ton 3'	High Stone Retaining Wall, Mortar Set 143.68	57.91	
			<i>For >3:1 Sloped Soil At Top, Add</i> 2.37		
32 32 53 00-0010	LF	\$16.00/ton 4'	High Stone Retaining Wall, Mortar Set 167.49	68.51	
			<i>For >3:1 Sloped Soil At Top, Add</i> 2.59		
32 32 53 00-0011	LF	\$16.00/ton 6'	High Stone Retaining Wall, Mortar Set 214.94	89.63	
			<i>For >3:1 Sloped Soil At Top, Add</i> 3.03		
32 32 53 00-0012	LF	\$16.00/ton 8'	High Stone Retaining Wall, Mortar Set 325.11	139.55	
			<i>For >3:1 Sloped Soil At Top, Add</i> 3.91		
32 32 53 00-0013	LF	\$16.00/ton 10'	High Stone Retaining Wall, Mortar Set 415.34	180.45	
			<i>For >3:1 Sloped Soil At Top, Add</i> 4.63		
32 32 53 00-0014	LF	\$16.00/ton 12'	High Stone Retaining Wall, Mortar Set 514.30	225.08	
			<i>For >3:1 Sloped Soil At Top, Add</i> 5.45		
32 32 53 00-0015			Stone Retaining Walls (32 32 53 00-0001)		
			Note: Stone at \$32.00/ton.		
32 32 53 00-0016	LF	\$32.00/ton 3'	High Stone Retaining Wall, Dry Set 167.12	65.40	
			<i>For >3:1 Sloped Soil At Top, Add</i> 3.09		
32 32 53 00-0017	LF	\$32.00/ton 4'	High Stone Retaining Wall, Dry Set 197.76	77.80	
			<i>For >3:1 Sloped Soil At Top, Add</i> 3.58		
32 32 53 00-0018	LF	\$32.00/ton 6'	High Stone Retaining Wall, Dry Set 259.23	103.37	
			<i>For >3:1 Sloped Soil At Top, Add</i> 4.46		
32 32 53 00-0019	LF	\$32.00/ton 8'	High Stone Retaining Wall, Dry Set 393.92	161.62	
			<i>For >3:1 Sloped Soil At Top, Add</i> 6.01		
32 32 53 00-0020	LF	\$32.00/ton 10'	High Stone Retaining Wall, Dry Set 511.01	211.42	
			<i>For >3:1 Sloped Soil At Top, Add</i> 7.49		
32 32 53 00-0021	LF	\$32.00/ton 12'	High Stone Retaining Wall, Dry Set 633.53	263.28	
			<i>For >3:1 Sloped Soil At Top, Add</i> 9.09		
32 32 53 00-0022	LF	\$32.00/ton 3'	High Stone Retaining Wall, Mortar Set 152.11	57.91	
			<i>For >3:1 Sloped Soil At Top, Add</i> 3.09		
32 32 53 00-0023	LF	\$32.00/ton 4'	High Stone Retaining Wall, Mortar Set 179.16	68.51	
			<i>For >3:1 Sloped Soil At Top, Add</i> 3.58		
32 32 53 00-0024	LF	\$32.00/ton 6'	High Stone Retaining Wall, Mortar Set 231.79	89.63	
			<i>For >3:1 Sloped Soil At Top, Add</i> 4.46		
32 32 53 00-0025	LF	\$32.00/ton 8'	High Stone Retaining Wall, Mortar Set 349.74	139.55	
			<i>For >3:1 Sloped Soil At Top, Add</i> 6.01		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0026	LF		\$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	449.04	180.45
			<i>For >3:1 Sloped Soil At Top, Add</i>	7.49	
32 32 53 00-0027	LF		\$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	557.08	225.08
			<i>For >3:1 Sloped Soil At Top, Add</i>	9.09	
32 32 53 00-0028			Stone Retaining Walls (32 32 53 00-0001)		
			Note: Stone at \$48.00/ton.		
32 32 53 00-0029	LF		\$48.00/ton 3' High Stone Retaining Wall, Dry Set	176.19	65.40
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.86	
32 32 53 00-0030	LF		\$48.00/ton 4' High Stone Retaining Wall, Dry Set	209.30	77.80
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.56	
32 32 53 00-0031	LF		\$48.00/ton 6' High Stone Retaining Wall, Dry Set	275.44	103.37
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.84	
32 32 53 00-0032	LF		\$48.00/ton 8' High Stone Retaining Wall, Dry Set	418.55	161.62
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.10	
32 32 53 00-0033	LF		\$48.00/ton 10' High Stone Retaining Wall, Dry Set	544.72	211.42
			<i>For >3:1 Sloped Soil At Top, Add</i>	10.36	
32 32 53 00-0034	LF		\$48.00/ton 12' High Stone Retaining Wall, Dry Set	676.96	263.28
			<i>For >3:1 Sloped Soil At Top, Add</i>	12.78	
32 32 53 00-0035	LF		\$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	161.18	57.91
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.86	
32 32 53 00-0036	LF		\$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	190.83	68.51
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.57	
32 32 53 00-0037	LF		\$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	248.00	89.63
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.84	
32 32 53 00-0038	LF		\$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	374.37	139.55
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.10	
32 32 53 00-0039	LF		\$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	482.75	180.45
			<i>For >3:1 Sloped Soil At Top, Add</i>	10.36	
32 32 53 00-0040	LF		\$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	600.51	225.08
			<i>For >3:1 Sloped Soil At Top, Add</i>	12.78	
32 32 53 00-0041			Stone Retaining Walls (32 32 53 00-0001)		
			Note: Stone at \$64.00/ton.		
32 32 53 00-0042	LF		\$64.00/ton 3' High Stone Retaining Wall, Dry Set	185.27	65.40
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.63	
32 32 53 00-0043	LF		\$64.00/ton 4' High Stone Retaining Wall, Dry Set	208.13	77.80
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.46	
32 32 53 00-0044	LF		\$64.00/ton 6' High Stone Retaining Wall, Dry Set	292.94	103.37
			<i>For >3:1 Sloped Soil At Top, Add</i>	7.33	
32 32 53 00-0045	LF		\$64.00/ton 8' High Stone Retaining Wall, Dry Set	444.48	161.62
			<i>For >3:1 Sloped Soil At Top, Add</i>	10.30	
32 32 53 00-0046	LF		\$64.00/ton 10' High Stone Retaining Wall, Dry Set	579.72	211.42
			<i>For >3:1 Sloped Soil At Top, Add</i>	13.33	
32 32 53 00-0047	LF		\$64.00/ton 12' High Stone Retaining Wall, Dry Set	721.03	263.28
			<i>For >3:1 Sloped Soil At Top, Add</i>	16.53	
32 32 53 00-0048	LF		\$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	170.26	57.91
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.63	
32 32 53 00-0049	LF		\$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	202.50	68.51
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.56	
32 32 53 00-0050	LF		\$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	265.50	89.63
			<i>For >3:1 Sloped Soil At Top, Add</i>	7.33	
32 32 53 00-0051	LF		\$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	400.30	139.55
			<i>For >3:1 Sloped Soil At Top, Add</i>	10.30	
32 32 53 00-0052	LF		\$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	517.75	180.45
			<i>For >3:1 Sloped Soil At Top, Add</i>	13.33	
32 32 53 00-0053	LF		\$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	644.58	225.08
			<i>For >3:1 Sloped Soil At Top, Add</i>	16.53	
32 33 Site Furnishings			(32 30)		
32 33 13 Site Bicycle Racks			(32 33)		
32 33 13 00-0001			Bicycle Organizer And Rack (32 33 13)		
32 33 13 00-0002			Vertical Style Bike Racks Single/Double Sided, Galvanized (32 33 13 00-0001)		
32 33 13 00-0003			Double Sided (32 33 13 00-0002)		
32 33 13 00-0004	EA		5' Galvanized Steel Double Sided Bike Rack, 9 Bikes.....	414.97	36.91
32 33 13 00-0005	EA		10' Galvanized Steel Double Sided Bike Rack, 18 Bikes.....	614.82	60.63
32 33 13 00-0006	EA		20' Galvanized Steel Double Sided Bike Rack, 36 Bikes.....	1,085.13	92.28
32 33 13 00-0007	EA		8'-10" Galvanized Steel Bike Rack with Powder Coat, 14 Bikes.....	612.59	65.91
32 33 13 00-0008			Single Sided (32 33 13 00-0002)		
32 33 13 00-0009	EA		5' Galvanized Steel Single Sided Bike Rack, 5 Bikes.....	362.07	32.95
32 33 13 00-0010	EA		10' Galvanized Steel Single Sided Bike Rack, 9 Bikes.....	497.12	54.84
32 33 13 00-0011	EA		20' Galvanized Steel Single Sided Bike Rack, 18 Bikes.....	872.49	82.39
32 33 13 00-0012			Anchor Set For Vertical Style Bike Rack (32 33 13 00-0002)		
32 33 13 00-0013	PR		Anchor Set For Vertical Style Bike Rack.....	48.97	
			Note: Anchoring frame to ground.		

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 33 13 00-0014		Bike Racks Ground Loop (32 33 13 00-0001) Note: In-ground mount.			
32 33 13 00-0015	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes.....	486.50		64.67
32 33 13 00-0016		Serpentine Bike Racks (32 33 13 00-0001) Note: In-ground mount.			
32 33 13 00-0017		Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0016)			
32 33 13 00-0018	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	255.08		39.54
32 33 13 00-0019	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	374.69		42.84
32 33 13 00-0020	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	494.31		46.14
32 33 13 00-0021	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	630.06		49.43
32 33 13 00-0022	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	765.81		52.72
32 33 13 00-0023	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	837.00		56.02
32 33 13 00-0024		Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0016)			
32 33 13 00-0025	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized.....	302.42		39.54
32 33 13 00-0026	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized.....	408.82		42.84
32 33 13 00-0027	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized.....	515.23		46.14
32 33 13 00-0028	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized.....	609.14		49.43
32 33 13 00-0029	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized.....	715.54		52.72
32 33 13 00-0030	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized.....	846.90		56.02
32 33 13 00-0031		Powder Coated, 36" High, 2-3/8" OD Tubing (32 33 13 00-0016)			
32 33 13 00-0032	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	255.08		39.54
		<i>For Thermoplastic Coating, Add</i>	10.00		
32 33 13 00-0033	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	374.69		42.84
		<i>For Thermoplastic Coating, Add</i>	10.00		
32 33 13 00-0034	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	494.31		46.14
		<i>For Thermoplastic Coating, Add</i>	10.00		
32 33 13 00-0035	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	630.06		49.43
		<i>For Thermoplastic Coating, Add</i>	20.00		
32 33 13 00-0036	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	765.81		52.72
		<i>For Thermoplastic Coating, Add</i>	20.00		
32 33 13 00-0037	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	837.00		56.02
		<i>For Thermoplastic Coating, Add</i>	20.00		
32 33 13 00-0038		Powder Coated, 42" High, 2-3/8" OD Tubing (32 33 13 00-0016)			
32 33 13 00-0039	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated.....	314.89		39.54
32 33 13 00-0040	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated.....	433.77		42.84
32 33 13 00-0041	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated.....	540.18		46.14
32 33 13 00-0042	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated.....	671.52		49.43
32 33 13 00-0043	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated.....	777.92		52.72
32 33 13 00-0044	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated.....	921.76		56.02
32 33 13 00-0045		Stainless Steel, 36" High, 2-3/8" OD Tubing (32 33 13 00-0016)			
32 33 13 00-0046	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	573.14		39.54
32 33 13 00-0047	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel.....	896.99		42.84
32 33 13 00-0048	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel.....	1,220.87		46.14
32 33 13 00-0049	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel.....	1,590.06		49.43
32 33 13 00-0050	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel.....	1,959.24		52.72
32 33 13 00-0051	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel.....	2,147.14		56.02
32 33 13 00-0052		Stainless Steel, 42" High, 2-3/8" OD Tubing (32 33 13 00-0016)			
32 33 13 00-0053	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	427.18		39.54
32 33 13 00-0054	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,057.58		42.84
32 33 13 00-0055	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel.....	1,413.52		46.14
32 33 13 00-0056	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel.....	1,744.48		49.43
32 33 13 00-0057	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel.....	2,087.93		52.72
32 33 13 00-0058	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel.....	2,443.87		56.02
32 33 13 00-0059		Bike Racks Bollards/Bicycle Posts (32 33 13 00-0001) Note: In-ground mount.			
32 33 13 00-0060	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOLA450-2R-IG-G).....	295.49		29.66
32 33 13 00-0061		City Of Miami Bike Racks (32 33 13 00-0001)			
32 33 13 00-0062	EA	24" x 35", 1-1/2" Schedule 40 Pipe, Galvanized Surface Mounted Bike Rack (Dero Hoop Rack).....	190.51		26.37
32 33 13 00-0063	EA	16-1/2" x 35", 1-1/2" And 2" Schedule 40 Pipe, Galvanized Surface Mounted Bike Rack (Dero Bike Hitch).....	236.25		26.37
32 33 13 00-0064	EA	42" x 35", 1-1/2" Schedule 40 Pipe, Galvanized Surface Mounted Round Bike Rack (Dero Excalibur Round).....	321.11		29.66
32 33 23		Site Trash and Litter Receptacles (32 33)			
32 33 23 00-0001		Steel Trash Containment (32 33 23)			



		Exterior Improvements	32
		Site Improvements	32 30
		Site Furnishings	32 33
			32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0002 Steel Frame Surrounded With Kiln-Dried Wood <small>(32 33 23 00-0001)</small>		
32 33 23 00-0003 EA 13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	341.99	15.62
32 33 23 00-0004 EA 24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	323.91	15.62
32 33 23 00-0005 EA 21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	323.91	15.62
32 33 23 00-0006 EA 24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	303.58	15.62
32 33 23 00-0007 EA 18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	341.99	15.62
32 33 23 00-0008 EA 23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	303.58	15.62
32 33 23 00-0009 EA 24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	436.88	15.62
32 33 23 00-0010 Square Steel Frames Surrounded With Flat Steel <small>(32 33 23 00-0001)</small>		
32 33 23 00-0011 EA 26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	664.26	15.62
32 33 23 00-0012 EA 26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	721.68	15.62
32 33 23 00-0013 EA 26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	721.68	15.62
32 33 23 00-0014 Round Steel Pipe And Flat Steel Frames <small>(32 33 23 00-0001)</small>		
Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015 EA 21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,008.77	15.62
32 33 23 00-0016 EA 21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,090.79	15.62
32 33 23 00-0017 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,265.10	15.62
32 33 23 00-0018 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,142.06	15.62
32 33 23 00-0019 Round Steel Pipe Surrounded With Perforated <small>(32 33 23 00-0001)</small>		
32 33 23 00-0020 EA 21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	895.98	15.62
32 33 23 00-0021 EA 21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	978.01	15.62
32 33 23 00-0022 EA 21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,152.31	15.62
32 33 23 00-0023 EA 21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	1,039.53	15.62
32 33 23 00-0024 Round Steel Pipe Frames Surrounded With Welded Wire <small>(32 33 23 00-0001)</small>		
32 33 23 00-0025 EA 21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	701.17	15.62
32 33 23 00-0026 EA 21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	783.20	15.62
32 33 23 00-0027 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	957.50	15.62
32 33 23 00-0028 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	844.71	15.62
32 33 23 00-0029 Litter Baskets <small>(32 33 23)</small>		
32 33 23 00-0030 Round Wire Litter Baskets <small>(32 33 23 00-0029)</small>		
32 33 23 00-0031 EA 1.33' Diameter x 1.83' High Round Wire Litter Basket	129.31	1.58
32 33 23 00-0032 EA 1.5' Diameter x 1.83' High Round Wire Litter Basket	164.40	1.58
32 33 23 00-0033 EA 1.75' Diameter x 2.33' High Round Wire Litter Basket	223.93	1.58
32 33 23 00-0034 EA 1.83' Diameter x 2.83' High Round Wire Litter Basket	257.53	1.58
32 33 23 00-0035 Trash Can/Wire Basket Holder <small>(32 33 23 00-0029)</small>		
32 33 23 00-0036 EA Steel Post, Single Holder	156.68	12.76
32 33 23 00-0037 EA Steel Post, Double Holder	223.83	12.76
32 33 23 00-0038 EA Redwood Post, Single Holder	91.72	12.76
32 33 23 00-0039 EA Redwood Post, Double Holder	115.05	12.76
32 33 23 00-0040 Litter Receptacles, Freestanding <small>(32 33 23 00-0029)</small>		
Note: Freestanding to include 1-1/2" outside diameter steel leg supports, wall mounted to include 3/8"x3" steel wall plates, surface mounted to include 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041 EA 16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded	1,052.34	6.50
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0042 EA 16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded	1,108.83	6.50
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0043 EA 20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded	1,284.79	9.76
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0044 EA 20" Diameter x 40" High Litter Receptacle, Freestanding Embedded	1,341.28	9.76
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0045 EA 16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole	1,397.76	9.76
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0046 EA 16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole	1,454.25	9.76
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0047 EA 16" Diameter x 28" High Litter Receptacle, Wall Mount.....	1,157.92	8.46
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
32 33 23 00-0048 EA 16" Diameter x 32" High Litter Receptacle, Wall Mount.....	1,214.41	8.46
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
32 33 23 00-0049 Ash Receptacles (32 33 23)		
32 33 23 00-0050 EA 12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded.....	339.27	6.50
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Sand Pan, Add	110.00	
For Bowl And Funnel, Add	120.00	
32 33 23 00-0051 EA 18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner.....	137.01	6.50
32 33 23 00-0052 Trash Receptacles (32 33 23)		
32 33 23 00-0053 EA Outdoor Covered Steel Receptacle With Liner.....	860.29	6.50
32 33 23 00-0054 EA Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame.....	427.33	6.50
32 33 23 00-0055 EA 24" x 24" Square Trash Containment With Exposed Aggregate Finish.....	367.03	6.50
32 33 23 00-0056 EA 30" x 30" Square Trash Containment With Exposed Aggregate Finish.....	382.23	7.16
32 33 23 00-0057 EA 36" x 36" Square Trash Containment With Exposed Aggregate Finish.....	411.29	7.80
32 33 23 00-0058 EA 32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber.....	146.25	5.20
32 33 23 00-0059 EA 32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber.....	174.55	5.20
32 33 23 00-0060 EA 24" x 24" Square 18" High Trash Receptacle, Fiberglass.....	300.46	6.50
32 33 23 00-0061 EA Pressure Wash And Paint Existing Miami Beach Trash Can Includes Removal, Pressure Washing, Minor Repair And Installation, Minimum 10.....	271.97	
32 33 23 00-0062 EA Install City Supplied Trash Can Includes Removal Of Old Can And Installation Of Can With Bolts, Minimum 10.....	74.12	
32 33 33 Site Manufactured Planters (32 33)		
32 33 33 00-0001 Precast Concrete Planters (32 33 33)		
32 33 33 00-0002 Circular Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0003 EA 24" Diameter, 17" Height, Circular Precast Concrete Planter.....	437.06	9.72
32 33 33 00-0004 EA 24" Diameter, 24" Height, Circular Precast Concrete Planter.....	488.45	11.66
32 33 33 00-0005 EA 24" Diameter, 33" Height, Circular Precast Concrete Planter.....	535.93	11.66
32 33 33 00-0006 EA 30" Diameter, 17" Height, Circular Precast Concrete Planter.....	580.32	13.61
32 33 33 00-0007 EA 30" Diameter, 30" Height, Circular Precast Concrete Planter.....	701.23	17.50
32 33 33 00-0008 EA 36" Diameter, 24" Height, Circular Precast Concrete Planter.....	765.48	17.50
32 33 33 00-0009 EA 36" Diameter, 30" Height, Circular Precast Concrete Planter.....	862.95	19.44
32 33 33 00-0010 EA 48" Diameter, 17" Height, Circular Precast Concrete Planter.....	913.23	19.44
32 33 33 00-0011 EA 48" Diameter, 24" Height, Circular Precast Concrete Planter.....	1,013.74	24.31
32 33 33 00-0012 EA 48" Diameter, 30" Height, Circular Precast Concrete Planter.....	1,078.31	25.86
32 33 33 00-0013 EA 48" Diameter, 36" Height, Circular Precast Concrete Planter.....	1,122.94	27.22
32 33 33 00-0014 EA 60" Diameter, 17" Height, Circular Precast Concrete Planter.....	1,020.24	24.31
32 33 33 00-0015 EA 60" Diameter, 24" Height, Circular Precast Concrete Planter.....	1,121.54	27.22
32 33 33 00-0016 EA 60" Diameter, 36" Height, Circular Precast Concrete Planter.....	1,445.27	29.17
32 33 33 00-0017 EA 72" Diameter, 36" Height, Circular Precast Concrete Planter.....	1,877.05	36.94
32 33 33 00-0018 EA 84" Diameter, 36" Height, Circular Precast Concrete Planter.....	2,186.81	38.89
32 33 33 00-0019 Square Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0020 EA 36" Square, 30" Height, Square Precast Concrete Planter.....	872.79	25.28
32 33 33 00-0021 EA 42" Square, 30" Height, Square Precast Concrete Planter.....	1,001.79	27.22
32 33 33 00-0022 EA 60" Square, 36" Height, Square Precast Concrete Planter.....	1,600.01	31.11
32 33 33 00-0023 EA 72" Square, 36" Height, Square Precast Concrete Planter.....	1,707.25	33.06
32 33 33 00-0024 Rectangular Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0025 EA 33" x 18", 20" Height, Rectangular Precast Concrete Planter.....	509.40	11.66
32 33 33 00-0026 EA 48" x 18", 20" Height, Rectangular Precast Concrete Planter.....	592.29	17.50
32 33 33 00-0027 EA 60" x 18", 20" Height, Rectangular Precast Concrete Planter.....	688.36	19.44
32 33 33 00-0028 EA 72" x 18", 20" Height, Rectangular Precast Concrete Planter.....	780.49	24.31
32 33 33 00-0029 Fiberglass Planters (32 33 33)		
32 33 33 00-0030 Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0031 EA 36" Diameter, 27" High, Circular Fiberglass Planter.....	1,096.80	9.72
32 33 33 00-0032 EA 60" Diameter, 39" High, Circular Fiberglass Planter.....	1,839.30	9.72
32 33 33 00-0033 EA 36" Diameter, 24" High, Circular Fiberglass Planter.....	724.22	9.72
32 33 33 00-0034 EA 60" Diameter, 24" High, Circular Fiberglass Planter.....	1,447.88	9.72
32 33 33 00-0035 Tapered Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0036 EA 24" Diameter, 20" High, Tapered Circular Fiberglass Planter.....	413.88	9.72
32 33 33 00-0037 EA 30" Diameter, 25" High, Tapered Circular Fiberglass Planter.....	616.61	9.72
32 33 33 00-0038 EA 36" Diameter, 30" High, Tapered Circular Fiberglass Planter.....	1,115.64	9.72



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Includes sections for Square Fiberglass Planters, Rectangular Fiberglass Planters, Timber Planters, Square Timber Planters, Rectangular Timber Planters, Site Seating And Tables, and Site Seating.

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0175	EA		94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E).....	1,116.77	13.02
32 33 43 13-0176	EA		118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E).....	1,362.66	13.02
32 33 43 13-0177	EA		70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P).....	856.84	13.02
32 33 43 13-0178	EA		94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P).....	1,165.95	13.02
32 33 43 13-0179	EA		118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P).....	1,411.84	13.02
32 33 43 13-0180	EA		70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E).....	1,629.62	13.02
32 33 43 13-0181	EA		94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E).....	2,254.88	13.02
32 33 43 13-0182	EA		118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E).....	2,500.76	13.02
32 33 43 13-0183	EA		70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P).....	1,664.75	13.02
32 33 43 13-0184	EA		94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P).....	2,304.05	13.02
32 33 43 13-0185	EA		118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P).....	2,549.94	13.02
32 33 43 13-0186	EA		70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E).....	1,011.39	13.02
32 33 43 13-0187	EA		82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E).....	1,418.86	13.02
32 33 43 13-0188	EA		94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E).....	1,355.64	13.02
32 33 43 13-0189	EA		118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E).....	1,559.37	13.02
32 33 43 13-0190	EA		142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E).....	2,107.35	13.02
32 33 43 13-0191	EA		70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P).....	1,025.45	13.02
32 33 43 13-0192	EA		82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P).....	1,439.94	13.02
32 33 43 13-0193	EA		94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P).....	1,376.71	13.02
32 33 43 13-0194	EA		118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P).....	1,580.45	13.02
32 33 43 13-0195	EA		142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P).....	2,142.47	13.02
32 33 43 13-0196	EA		70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6).....	948.06	19.52
32 33 43 13-0197	EA		94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8).....	1,292.30	19.52
32 33 43 13-0198	EA		118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10).....	1,608.44	19.52
32 33 43 13-0199	EA		70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6).....	1,067.49	19.52
32 33 43 13-0200	EA		94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8).....	1,439.83	19.52
32 33 43 13-0201	EA		118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10).....	1,587.36	19.52
32 33 43 13-0202	EA		46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E).....	449.37	13.02
32 33 43 13-0203	EA		70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E).....	596.90	13.02
32 33 43 13-0204	EA		94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E).....	814.69	13.02
32 33 43 13-0205	EA		118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E).....	962.22	13.02
32 33 43 13-0206	EA		142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E).....	1,123.80	13.02
32 33 43 13-0207	EA		46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P).....	463.42	13.02
32 33 43 13-0208	EA		70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P).....	610.95	13.02
32 33 43 13-0209	EA		94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P).....	835.76	13.02
32 33 43 13-0210	EA		118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P).....	983.29	13.02
32 33 43 13-0211	EA		142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P).....	1,151.90	13.02
32 33 43 13-0212	EA		70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E).....	898.99	13.02
32 33 43 13-0213	EA		94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E).....	1,243.23	13.02
32 33 43 13-0214	EA		118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E).....	1,538.29	13.02
32 33 43 13-0215	EA		142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E).....	1,735.00	13.02
32 33 43 13-0216	EA		70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P).....	913.04	13.02
32 33 43 13-0217	EA		94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P).....	1,264.31	13.02
32 33 43 13-0218	EA		118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P).....	1,559.37	13.02
32 33 43 13-0219	EA		142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P).....	1,763.10	13.02
32 33 43 53 Site Tables (32 33 43)					
32 33 43 53-0001 Picnic Tables (32 33 43 53)					
32 33 43 53-0002 Wooden Picnic Tables (32 33 43 53-0001)					
32 33 43 53-0003	EA		6' Permanent Rectangular Redwood Table.....	875.93	19.52
32 33 43 53-0004 Portable Picnic Tables (32 33 43 53-0001)					
32 33 43 53-0005	EA		6' Wood Table With Aluminum Frame.....	393.55	13.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0006 EA 6' Aluminum Table And Frame	571.15	13.02
32 33 43 53-0007 EA 8' Aluminum Table And Frame	681.48	16.28
32 33 43 53-0008 EA 6' Steel Table And Frame	885.84	13.02
32 33 43 53-0009 EA 8' Steel Table And Frame	1,009.88	16.28
32 33 43 53-0010 Concrete Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0011 EA 6' Concrete Picnic Table	1,194.38	58.94
32 33 43 53-0012 Plastic Picnic Tables (32 33 43 53-0001) Note: Manufactured from recycled plastic.		
32 33 43 53-0013 Pedestal Tables - 4' Square, 2 Seats (32 33 43 53-0012)		
32 33 43 53-0014 EA 3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	426.22	19.52
32 33 43 53-0015 EA 4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	467.34	19.52
32 33 43 53-0016 Pedestal Tables - 4' Square, 4 Seats (32 33 43 53-0012)		
32 33 43 53-0017 EA 3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	559.58	19.52
32 33 43 53-0018 EA 4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	614.81	19.52
32 33 43 53-0019 Recycled Plastic Tables (32 33 43 53-0012)		
32 33 43 53-0020 EA 6' Standard "Step-Over" Table, Recycled Plastic Lumber	733.87	19.52
32 33 43 53-0021 EA 6' " Walk-Through" Table, Recycled Plastic Lumber	610.71	19.52
32 33 43 53-0022 EA 7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	667.31	19.52
32 33 43 53-0023 EA 8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	623.84	19.52
32 33 43 53-0024 EA 8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	785.83	19.52
32 33 43 53-0025 EA 4' Youth Table, Recycled Plastic Lumber	311.41	15.62
32 33 53 Site Grills (32 33)		
32 33 53 00-0001 Picnic Grills (32 33 53)		
32 33 53 00-0002 EA 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	278.55	
Note: 11 gauge with galvanized steel post.		
32 33 53 00-0003 EA 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	300.31	
Note: 7 gauge with galvanized steel post.		
32 39 Manufactured Site Specialties (32 30)		
32 39 13 Manufactured Metal Bollards (32 39)		
32 39 13 00-0001 Metal Pipe Bollards (32 39 13) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and section holes.		
32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)		
32 39 13 00-0003 LF 4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	25.26	4.18
For Galvanized Steel, Add	2.87	
For 304 Stainless Steel, Add	22.82	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	57.44	
For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	54.64	
For Schedule 80, Add	3.37	
32 39 13 00-0004 LF 6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	35.01	4.18
For Galvanized Steel, Add	4.53	
For 304 Stainless Steel, Add	35.98	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	57.44	
For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	54.64	
For Schedule 80, Add	4.83	
32 39 13 00-0005 LF 8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	49.98	5.23
For Galvanized Steel, Add	6.72	
For 304 Stainless Steel, Add	53.37	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	79.80	
For Each Sleeve For Removable, Lockable Bollard, Add	89.06	
For Schedule 80, Add	6.97	
32 39 13 00-0006 LF 10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	66.62	6.27
For Galvanized Steel, Add	9.19	
For 304 Stainless Steel, Add	73.01	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	88.16	
For Each Sleeve For Removable, Lockable Bollard, Add	93.24	
For Schedule 80, Add	9.37	
32 39 13 00-0007 LF 12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	83.84	8.36
For Galvanized Steel, Add	11.41	
For 304 Stainless Steel, Add	90.61	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	125.88	
For Each Sleeve For Removable, Lockable Bollard, Add	130.31	
For Schedule 80, Add	11.74	
32 39 16 Manufactured Concrete Bollards (32 39)		
32 39 16 00-0001 Concrete Bollards (32 39 16) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 39 16 00-0002	Concrete Bollard, Exposed Aggregate (32 39 16 00-0001)		
32 39 16 00-0003	EA 12" x 12" x 30" High Concrete Bollard, Light Sandblast.....	307.08	33.44
	Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 16 00-0004	EA 12" Diameter x 30" High Concrete Bollard, Light Sandblast.....	307.08	33.44
	Note: Surface mounted with anchor bolts embedded into grout pockets.		

32 39 19 Manufactured Wood Bollards (32 39)

32 39 19 00-0001	Wood Bollards (32 39 19) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 19 00-0002	Wood Bollard, Pressure Treated Timber (32 39 19 00-0001)		
32 39 19 00-0003	LF 4" x 4", Pressure Treated Wood Bollard.....	9.02	3.34
	For Each Sleeve For Removable, Lockable Bollard, Add	60.40	
32 39 19 00-0004	LF 6" x 6", Pressure Treated Wood Bollard.....	11.48	3.34
	For Each Sleeve For Removable, Lockable Bollard, Add	60.40	
32 39 19 00-0005	LF 8" x 8", Pressure Treated Wood Bollard.....	16.03	3.76
	For Each Sleeve For Removable, Lockable Bollard, Add	100.24	
32 39 19 00-0006	LF 10" x 10", Pressure Treated Wood Bollard.....	23.30	5.02
	For Each Sleeve For Removable, Lockable Bollard, Add	105.26	
32 39 19 00-0007	LF 12" x 12", Pressure Treated Wood Bollard.....	32.49	6.69
	For Each Sleeve For Removable, Lockable Bollard, Add	147.85	

32 39 23 Manufactured Plastic Bollards (32 39)

32 39 23 00-0001	Plastic Bollards (32 39 23) See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.		
32 39 23 00-0002	Recycled Plastic Bollards (32 39 23 00-0001)		
32 39 23 00-0003	EA 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard.....	168.66	16.72
	Note: Includes anchor bolts.		
32 39 23 00-0004	EA 6" Diameter x 6" Steel Reinforced Recycled Plastic Bollard.....	289.04	16.72

32 39 23 00-0005 Plastic Bollard Covers (32 39 23 00-0001)

32 39 23 00-0006	EA 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	42.74	3.49
	For Reflective Tape, Add	5.68	
32 39 23 00-0007	EA 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	45.97	3.84
	For Reflective Tape, Add	5.68	
32 39 23 00-0008	EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe.....	60.63	3.49
	For Reflective Tape, Add	5.68	
32 39 23 00-0009	EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe.....	60.63	3.49
	For Reflective Tape, Add	5.68	
32 39 23 00-0010	EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe.....	68.98	3.49
	For Reflective Tape, Add	5.68	
32 39 23 00-0011	EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	60.63	3.49
	For Reflective Tape, Add	5.68	
32 39 23 00-0012	EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	61.83	3.49
	For Reflective Tape, Add	5.68	
32 39 23 00-0013	EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	60.63	3.49
	For Reflective Tape, Add	5.68	
32 39 23 00-0014	EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	61.83	3.49
	For Reflective Tape, Add	5.68	
32 39 23 00-0015	EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	89.26	3.49
	For Reflective Tape, Add	5.68	
32 39 23 00-0016	EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	61.33	3.84
	For Reflective Tape, Add	5.68	
32 39 23 00-0017	EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	80.42	3.84
	For Reflective Tape, Add	5.68	
32 39 23 00-0018	EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	92.49	3.84
	For Reflective Tape, Add	5.68	
32 39 23 00-0019	EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	76.34	4.18
	For Reflective Tape, Add	5.68	
32 39 23 00-0020	EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe.....	83.49	4.18
	For Reflective Tape, Add	5.68	
32 39 23 00-0021	EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe.....	83.49	4.18
	For Reflective Tape, Add	5.68	
32 39 23 00-0022	EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe.....	115.71	4.18
	For Reflective Tape, Add	5.68	

32 80 Irrigation (32)**32 82 Irrigation Pumps (32 80)**

32 82 00 00-0001	Irrigation Pump Station (Hoover Pumping Systems) (32 82)		
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 82 00 00-0002	EA		7.5 HP, 110 GPM Irrigation Pump Station Note: Includes ESP-12LX+ 12 Station Controller With Rain Sensor Mounted On Wall, 2" Epoxy Coated Cast Iron 24VAC Master Valve With N/C Solenoid And Pressure Gauge, 7.5 HP Centrifugal Pump Providing 110GPM @ 155 TDH With Thermal Sensor In Volute And TEF, Aluminum Skid Mounting, Galvanized Steel Discharge Header With Flowswitch, Hose Bibb, Pressure Gauge and Isolation Valve, 20 Gal. Capacity Hydro-pneumatic Fiberglass Pressure Tank. Does Not Include Electrical Service, Penetrations Through Wall, Additional Suction Footage, Backflow Protection And Permits. <i>For Lake Suction Water Source In Lieu Of Well, Add</i> <i>For Rain Bird® ESP-24LX Controller In Lieu Of ESP-12LX, Add</i> <i>For Hunter ICC-32 Controller In Lieu Of ESP-12LX, Add</i> <i>For 3' x 4' Reinforced Fiberglass Enclosure With Rain Switch Inside Enclosure And 6" Thick Reinforced Concrete Pad, Add 1,370.00</i> <i>For Single Phase TEFC Motor In Lieu Of Three Phase, Add</i> 358.00 223.00 236.00 1,370.00 544.00	10,846.10	
32 82 00 00-0003	EA		10 HP, 140 GPM Irrigation Pump Station Note: Includes ESP-12LX+ 12 Station Controller With Rain Sensor Mounted On Wall, 2" Control Valve With Pressure Reducing, Pressure Gauges Up And Downstream Of Control Valve and Large Capacity Disk Filter With 24VAC Solenoid For Master Valve, 10 HP Centrifugal Pump Providing 140GPM @ 180 TDH With Thermal Sensor In Volute And TEFC, Aluminum Skid Mounting, Galvanized Steel Discharge Header With Flowswitch, Hose Bibb, Pressure Gauge and Isolation Valve, 20 Gal. Capacity Hydro-pneumatic Fiberglass Pressure Tank. Does Not Include Electrical Service, Penetrations Through Wall, Additional Suction Footage, Backflow Protection And Permits. <i>For Lake Suction Water Source In Lieu Of Well, Add</i> <i>For Rain Bird® ESP-24LX Controller In Lieu Of ESP-12LX, Add</i> <i>For Hunter ICC-32 Controller In Lieu Of ESP-12LX, Add</i> <i>For 3' x 4' Reinforced Fiberglass Enclosure With Rain Switch Inside Enclosure And 6" Thick Reinforced Concrete Pad, Add 1,370.00</i> <i>For Single Phase TEFC Motor In Lieu Of Three Phase, Add</i> 564.00 223.00 236.00 1,370.00 1,020.00	11,749.27	
32 82 00 00-0004	EA		20 HP, 225 GPM Irrigation Pump Station Note: Includes ESP-12LX+ 12 Station Controller With Rain Sensor Mounted On Wall, 2-1/2" Control Valve With Pressure Reducing, Pressure Gauges Up And Downstream Of Control Valve and Large Capacity Disk Filter With 24VAC Solenoid For Master Valve, 20 HP Centrifugal Pump Providing 225GPM @ 200 TDH With Thermal Sensor In Volute And TEFC, Aluminum Skid Mounting, Galvanized Steel Discharge Header With Flowswitch, Hose Bibb, Pressure Gauge and Isolation Valve, 20 Gal. Capacity Hydro-pneumatic Fiberglass Pressure Tank. Does Not Include Electrical Service, Penetrations Through Wall, Additional Suction Footage, Backflow Protection And Permits. <i>For Lake Suction Water Source In Lieu Of Well, Add</i> <i>For Rain Bird® ESP-24LX Controller In Lieu Of ESP-12LX, Add</i> <i>For Hunter ICC-32 Controller In Lieu Of ESP-12LX, Add</i> <i>For Single Phase TEFC Motor In Lieu Of Three Phase, Add</i> 958.00 223.00 236.00 2,410.00	14,932.32	
32 82 00 00-0005	EA		25 HP, 350 GPM Irrigation Pump Station Note: Includes ESP-12LX+ 12 Station Controller With Rain Sensor Mounted On Wall, 3" Control Valve With Pressure Reducing, Pressure Gauges Up And Downstream Of Control Valve and Large Capacity Disk Filter With 24VAC Solenoid For Master Valve, 25 HP Centrifugal Pump Providing 350GPM @ 185 TDH With Thermal Sensor In Volute And TEFC, Aluminum Skid Mounting, Galvanized Steel Discharge Header With Flowswitch, Hose Bibb, Pressure Gauge and Isolation Valve, 20 Gal. Capacity Hydro-pneumatic Fiberglass Pressure Tank. Does Not Include Electrical Service, Penetrations Through Wall, Additional Suction Footage, Backflow Protection And Permits. <i>For Lake Suction Water Source In Lieu Of Well, Add</i> <i>For Rain Bird® ESP-24LX Controller In Lieu Of ESP-12LX, Add</i> <i>For Hunter ICC-32 Controller In Lieu Of ESP-12LX, Add</i> <i>For Single Phase TEFC Motor In Lieu Of Three Phase, Add</i> 958.00 223.00 236.00 2,410.00	16,916.18	

32 84 Planting Irrigation (32 80)

32 84 13 Drip Irrigation (32 84)

32 84 13 00-0001 Drip Emitter Irrigation Devices (32 84 13)

32 84 13 00-0002 Drip Emitter Irrigation Valves (32 84 13 00-0001)

32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050).....	20.53	4.51
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100).....	35.51	4.51
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075).....	34.47	4.51
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS).....	48.55	4.51

32 84 13 00-0007 Drip Emitter Irrigation Filters (32 84 13 00-0001)

32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075).....	78.30	4.51
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100).....	79.07	4.51
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX).....	27.07	4.51
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX).....	27.69	4.51
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100).....	85.51	4.51
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY).....	36.39	4.51
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY).....	41.24	4.51

32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)

32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075).....	26.44	4.51
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075).....	26.44	4.51
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075).....	26.44	4.51
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100).....	31.55	4.51

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0020 Drip Emitter Irrigation Tubing <small>(32 84 13 00-0001)</small> Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021 LF 1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100).....	1.84	0.63
32 84 13 00-0022 LF 1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100).....	1.66	0.72
32 84 13 00-0023 LF 1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100).....	1.35	0.63
For Shallow Trenching And Backfill By Hand, Add	2.58	
32 84 13 00-0024 LF 1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100).....	1.65	0.72
For Shallow Trenching And Backfill By Hand, Add	2.80	
32 84 13 00-0025 Drip Emitter Irrigation Fittings <small>(32 84 13 00-0001)</small>		
32 84 13 00-0026 EA 1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN).....	1.22	
32 84 13 00-0027 EA 1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL).....	1.24	
32 84 13 00-0028 EA 1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE).....	1.27	
32 84 13 00-0029 EA 1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025).....	1.36	
32 84 13 00-0030 EA 1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX).....	1.21	
32 84 13 00-0031 EA 17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP).....	1.32	
For Compression Fitting, Add	0.19	
32 84 13 00-0032 EA 17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....	1.37	
For Compression Fitting, Add	0.24	
32 84 13 00-0033 EA 17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE).....	1.39	
For Compression Fitting, Add	0.26	
32 84 13 00-0034 EA 17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050).....	1.41	
For Compression Fitting, Add	0.28	
32 84 13 00-0035 EA 17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS).....	1.52	
For Compression Fitting, Add	0.39	
32 84 13 00-0036 EA 1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	1.65	
32 84 13 00-0037 EA 12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND).....	0.81	
32 84 13 00-0038 Drip Emitters <small>(32 84 13 00-0001)</small>		
32 84 13 00-0039 EA 0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC).....	2.54	
32 84 13 00-0040 EA 5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24).....	3.04	
32 84 13 00-0041 EA 0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056).....	6.89	
32 84 13 00-0042 Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters <small>(32 84 13 00-0001)</small>		
32 84 13 00-0043 EA Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK).....	9.81	4.07
32 84 13 00-0044 EA Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK).....	9.83	4.07
32 84 13 00-0045 EA 12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	11.20	4.07
32 84 13 00-0046 EA 24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	11.35	4.07
32 84 13 00-0047 EA 4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL).....	16.92	5.33
Note: Includes nozzle.		
32 84 13 00-0048 EA 6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL).....	18.69	5.33
Note: Includes nozzle.		
32 84 13 00-0049 EA 12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL).....	20.21	5.33
Note: Includes nozzle.		
32 84 13 00-0050 Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) <small>(32 84 13 00-0001)</small> Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051 LF 0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield).....	1.92	0.79
32 84 23 Underground Sprinklers <small>(32 84)</small>		
32 84 23 00-0001 Sprinkler Heads <small>(32 84 23)</small>		
32 84 23 00-0002 Spray Sprinkler Heads <small>(32 84 23 00-0001)</small> Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003 EA 2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P).....	14.71	4.99
For Rotary Nozzle, Add	3.25	
32 84 23 00-0004 EA 4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P).....	13.72	4.99
For Rotary Nozzle, Add	3.25	
32 84 23 00-0005 EA 6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P).....	17.42	4.99
For Rotary Nozzle, Add	3.25	
32 84 23 00-0006 EA 12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P).....	20.53	4.99
For Rotary Nozzle, Add	3.25	
32 84 23 00-0007 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM).....	15.11	4.99
For Rotary Nozzle, Add	3.25	
32 84 23 00-0008 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM).....	20.33	4.99
For Rotary Nozzle, Add	3.25	
32 84 23 00-0009 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM).....	22.84	4.99
For Rotary Nozzle, Add	3.25	
32 84 23 00-0010 EA 4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS).....	16.60	4.99
For Rotary Nozzle, Add	3.25	
32 84 23 00-0011 EA 6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS).....	21.36	4.99
For Rotary Nozzle, Add	3.25	
32 84 23 00-0012 EA 12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS).....	23.70	4.99
For Rotary Nozzle, Add	3.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0013 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS).....	17.19	4.99
For Rotary Nozzle, Add	3.25	
32 84 23 00-0014 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS).....	24.50	4.99
For Rotary Nozzle, Add	3.25	
32 84 23 00-0015 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS).....	26.81	4.99
For Rotary Nozzle, Add	3.25	
32 84 23 00-0016 EA Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	11.77	4.99
For Rotary Nozzle, Add	3.25	
32 84 23 00-0017 EA Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	14.09	4.99
32 84 23 00-0018 Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001)		
Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	22.05	4.99
For Non-Potable Cover, Add	2.00	
32 84 23 00-0021 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	22.88	4.99
For Non-Potable Cover, Add	2.00	
32 84 23 00-0022 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC).....	20.07	4.99
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0024 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC).....	28.99	4.99
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0025 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	21.72	4.99
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0026 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	30.31	4.99
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0027 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	22.38	4.99
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0028 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	23.70	4.99
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0029 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR).....	32.30	4.99
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0030 EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	37.58	4.99
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0031 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS).....	23.54	4.99
For Non-Potable Cover, Add	2.00	
32 84 23 00-0032 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR).....	28.83	4.99
For Non-Potable Cover, Add	2.00	
32 84 23 00-0033 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)		
Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034 EA 4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	41.39	4.99
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
For Stainless Steel Riser And High Speed Rotor, Add	24.33	
32 84 23 00-0035 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)		
Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036 EA 5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	60.55	4.99
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0037 Impact-Drive Sprinkler Heads (32 84 23 00-0001)		
Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038 EA 1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	32.13	4.99
For Non-Potable Cover, Add	2.00	
32 84 23 00-0039 EA 1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	24.20	4.99
32 84 23 00-0040 EA 3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB).....	50.63	4.99

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 84 23 00-0041	Electric Remote Control Irrigation Valves <small>(32 84 23)</small>		
32 84 23 00-0042	0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) <small>(32 84 23 00-0041)</small>		
	Note: 15 to 150 PSI.		
32 84 23 00-0043	EA 3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV).....	62.09	20.81
32 84 23 00-0044	EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV).....	62.09	20.81
32 84 23 00-0045	EA 1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	62.75	20.81
32 84 23 00-0046	0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) <small>(32 84 23 00-0041)</small>		
	Note: 15 to 150 PSI.		
32 84 23 00-0047	EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	62.75	20.81
32 84 23 00-0048	0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) <small>(32 84 23 00-0041)</small>		
	Note: 20 to 200 PSI.		
32 84 23 00-0049	EA 1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	115.63	20.81
32 84 23 00-0050	EA 1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	138.77	20.81
32 84 23 00-0051	EA 2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	168.51	20.81
32 84 23 00-0052	5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) <small>(32 84 23 00-0041)</small>		
	Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0053	EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	171.00	23.38
32 84 23 00-0054	EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	194.13	23.38
32 84 23 00-0055	EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	223.88	23.38
32 84 23 00-0056	20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) <small>(32 84 23 00-0041)</small>		
	Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0057	EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	204.05	23.38
32 84 23 00-0058	EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	227.18	23.38
32 84 23 00-0059	EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	256.93	23.38
32 84 23 00-0060	0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) <small>(32 84 23 00-0041)</small>		
	Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0061	EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	181.43	20.81
32 84 23 00-0062	EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	287.79	20.81
32 84 23 00-0063	EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	297.41	20.81
32 84 23 00-0064	EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	717.40	28.08
32 84 23 00-0065	5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) <small>(32 84 23 00-0041)</small>		
	Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0066	EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	163.83	23.38
32 84 23 00-0067	EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	195.45	23.38
32 84 23 00-0068	EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	229.79	23.38
32 84 23 00-0069	EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	275.00	23.38
32 84 23 00-0070	0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) <small>(32 84 23 00-0041)</small>		
	Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0071	EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS).....	223.28	23.38
32 84 23 00-0072	EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	349.47	23.38
32 84 23 00-0073	EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS).....	360.28	23.38
32 84 23 00-0074	EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS).....	772.50	23.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0075 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0076 EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ).....	229.50	20.81
32 84 23 00-0077 EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ).....	335.86	20.81
32 84 23 00-0078 EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ).....	345.48	20.81
32 84 23 00-0079 EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ).....	765.47	28.08
32 84 23 00-0080 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) <small>(32 84 23 00-0041)</small> Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0081 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D).....	213.40	23.38
32 84 23 00-0082 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	245.03	23.38
32 84 23 00-0083 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	279.37	23.38
32 84 23 00-0084 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	324.58	23.38
32 84 23 00-0085 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0086 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	271.35	23.38
32 84 23 00-0087 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	397.54	23.38
32 84 23 00-0088 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	408.35	23.38
32 84 23 00-0089 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	820.57	23.38
32 84 23 00-0090 Irrigation Valve Boxes <small>(32 84 23)</small> Note: Includes lid.		
32 84 23 00-0091 EA 6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND).....	35.87	14.98
32 84 23 00-0092 EA 7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	43.68	14.98
32 84 23 00-0093 EA 10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	57.25	19.73
32 84 23 00-0094 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	104.87	28.79
32 84 23 00-0095 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH).....	107.71	28.79
32 84 23 00-0096 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	128.01	28.79
32 84 23 00-0097 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	130.42	28.79
32 84 23 00-0098 EA 33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH).....	246.44	28.79
32 84 23 00-0099 EA 40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH).....	396.71	28.79
32 84 23 00-0100 Irrigation Controllers <small>(32 84 23)</small> See CSI section 27 14 13 16-0349 for low voltage wiring.		
32 84 23 00-0101 Irrigation Controllers <small>(32 84 23 00-0100)</small>		
32 84 23 00-0102 Irrigation Controllers (Rain Bird®) <small>(32 84 23 00-0101)</small>		
32 84 23 00-0103 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) <small>(32 84 23 00-0102)</small>		
32 84 23 00-0104 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0103)</small>		
32 84 23 00-0105 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) <small>(32 84 23 00-0104)</small>		
32 84 23 00-0106 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	129.86	10.42
32 84 23 00-0107 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	181.13	10.42
32 84 23 00-0108 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	232.40	10.42
32 84 23 00-0109 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	283.66	10.42
32 84 23 00-0110 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	324.53	10.42
32 84 23 00-0111 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	377.10	10.42
32 84 23 00-0112 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	429.68	10.42
32 84 23 00-0113 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0104)</small>		
32 84 23 00-0114 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	154.30	10.42
32 84 23 00-0115 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	205.58	10.42
32 84 23 00-0116 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	256.85	10.42
32 84 23 00-0117 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	308.11	10.42
32 84 23 00-0118 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	348.98	10.42

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 84 23 00-0119	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	401.54	10.42
32 84 23 00-0120	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	454.13	10.42
32 84 23 00-0121		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0103)		
32 84 23 00-0122		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) (32 84 23 00-0121)		
32 84 23 00-0123	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	214.78	10.42
32 84 23 00-0124	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	266.06	10.42
32 84 23 00-0125	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	317.32	10.42
32 84 23 00-0126	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	368.59	10.42
32 84 23 00-0127	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	409.45	10.42
32 84 23 00-0128	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	462.02	10.42
32 84 23 00-0129	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	514.61	10.42
32 84 23 00-0130		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0121)		
32 84 23 00-0131	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	233.10	10.42
32 84 23 00-0132	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	284.37	10.42
32 84 23 00-0133	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	335.64	10.42
32 84 23 00-0134	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	386.91	10.42
32 84 23 00-0135	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	427.77	10.42
32 84 23 00-0136	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	480.34	10.42
32 84 23 00-0137	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	532.92	10.42
32 84 23 00-0138		Accessories For ESP-ME/MEI Irrigation Controllers (32 84 23 00-0103)		
32 84 23 00-0139	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	52.57	
32 84 23 00-0140	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	100.05	
32 84 23 00-0141	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	152.10	
32 84 23 00-0142		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) (32 84 23 00-0102)		
32 84 23 00-0143		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) (32 84 23 00-0142)		
32 84 23 00-0144	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	313.43	10.42
32 84 23 00-0145	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	378.36	10.42
32 84 23 00-0146	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	444.46	10.42
32 84 23 00-0147	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	509.40	10.42
32 84 23 00-0148	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	575.52	10.42
32 84 23 00-0149	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	640.44	10.42
32 84 23 00-0150	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	706.56	10.42
32 84 23 00-0151	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	771.49	10.42
32 84 23 00-0152	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	837.60	10.42
32 84 23 00-0153	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	902.54	10.42
32 84 23 00-0154		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) (32 84 23 00-0142)		
32 84 23 00-0155	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	319.64	10.42
32 84 23 00-0156	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	384.57	10.42
32 84 23 00-0157	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	450.68	10.42
32 84 23 00-0158	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	515.60	10.42
32 84 23 00-0159	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	581.73	10.42
32 84 23 00-0160	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	646.65	10.42
32 84 23 00-0161	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	712.77	10.42
32 84 23 00-0162	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	777.70	10.42
32 84 23 00-0163	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	843.81	10.42
32 84 23 00-0164	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	908.74	10.42
32 84 23 00-0165	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	974.86	10.42
32 84 23 00-0166		Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0142)		
32 84 23 00-0167	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	242.42	
32 84 23 00-0168	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMPED + LXMM)..... Note: Excludes concrete foundation.	564.87	
32 84 23 00-0169	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	541.80	
32 84 23 00-0170	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS)..... Note: Excludes concrete foundation.	1,205.12	
32 84 23 00-0171	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4)..... Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	64.93	



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84
			32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0172 EA 8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) 131.04 Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	131.04	
32 84 23 00-0173 EA 12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) 204.12 Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	204.12	
32 84 23 00-0174 EA Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)..... 77.14	77.14	
32 84 23 00-0175 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0102)		
32 84 23 00-0176 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0175)		
32 84 23 00-0177 EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)..... 155.73	155.73	10.42
32 84 23 00-0178 EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)..... 186.90	186.90	10.42
32 84 23 00-0179 EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)..... 229.07	229.07	10.42
32 84 23 00-0180 Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0175)		
32 84 23 00-0181 EA Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS) 207.49	207.49	
32 84 23 00-0182 EA Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL) 37.92	37.92	7.81
32 84 23 00-0183 Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0102)		
32 84 23 00-0184 EA Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDDBEX)..... 50.80	50.80	7.81
32 84 23 00-0185 EA Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC) 107.20	107.20	7.81
32 84 23 00-0186 EA Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)..... 114.32	114.32	7.81
32 84 23 00-0187 EA Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)..... 175.97	175.97	7.81
32 84 23 00-0188 Two-Wire Decoder Systems (32 84 23 00-0100)		
32 84 23 00-0189 Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0188)		
32 84 23 00-0190 Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0189) Note: Includes water resistant cabinet.		
32 84 23 00-0191 EA 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)..... 937.58	937.58	10.42
32 84 23 00-0192 EA 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)..... 1,303.59	1,303.59	10.42
32 84 23 00-0193 EA 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)..... 1,669.61	1,669.61	10.42
32 84 23 00-0194 Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0189)		
32 84 23 00-0195 EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)..... 112.69	112.69	10.42
32 84 23 00-0196 EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)..... 143.98	143.98	10.42
32 84 23 00-0197 EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF) 216.87	216.87	10.42
32 84 23 00-0198 EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)..... 267.13	267.13	10.42
32 84 23 00-0199 EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF) 446.96	446.96	10.42
32 84 23 00-0200 Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0189)		
32 84 23 00-0201 EA 50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)..... 690.76	690.76	
32 84 23 00-0202 EA 75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75) 366.01	366.01	
32 84 23 00-0203 EA Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF) 84.85	84.85	9.12
32 84 23 00-0204 EA Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)..... 402.49	402.49	10.42
32 84 23 00-0205 Rain Sensor (32 84 23 00-0100)		
32 84 23 00-0206 EA Mini Click Rain Sensor..... 77.81	77.81	
32 84 23 00-0207 Motorola Controller (With Radio Control) (32 84 23 00-0100)		
32 84 23 00-0208 EA 48 Station Radio Controller..... 11,037.09	11,037.09	790.61
32 84 23 00-0209 EA Radio Data Modem - Trunking; 800 Or 900 Mhz - Motorola 10,392.55	10,392.55	
32 84 23 00-0210 EA Trunking Transit Antenna; 800 Or 900 Mhz 371.80	371.80	
32 84 23 00-0211 EA RF Surge Protector Trunking ; 800 Or 900 Mhz 580.83	580.83	
32 84 23 00-0212 EA Motorola ICC (Irrigation Central Control) Software 6,951.39	6,951.39	
32 84 23 00-0213 Satellite Irrigation Controllers (Rain Bird® ESP-SAT) (32 84 23 00-0100) Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0214 EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS) 2,511.13	2,511.13	58.58
32 84 23 00-0215 EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS) 2,648.10	2,648.10	61.83
32 84 23 00-0216 EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS) 3,721.52	3,721.52	65.08
32 84 23 00-0217 Irrigation Valves (32 84 23)		
32 84 23 00-0218 Reduced Pressure Zone Valves With QT Shut-Offs (32 84 23 00-0217) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		

32 Exterior Improvements

32 80 Irrigation

32 84 Planting Irrigation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0219	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	409.13	17.17
32 84 23 00-0220	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	484.90	20.96
32 84 23 00-0221	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	739.43	24.40
32 84 23 00-0222	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	779.93	28.01
32 84 23 00-0223	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	933.31	36.15
32 84 23 00-0224			Brass Quick-Coupling Irrigation Valves (32 84 23 00-0217)		
32 84 23 00-0225	EA		3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	75.59	14.98
			For Valve Key, Add	24.29	
32 84 23 00-0226	EA		3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	78.40	14.98
			For Locking Cover, Add	25.00	
			For Valve Key, Add	24.29	
32 84 23 00-0227	EA		1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	109.30	14.98
			For Valve Key, Add	62.13	
32 84 23 00-0228	EA		1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	120.54	14.98
			For Valve Key, Add	62.13	
32 84 23 00-0229			Anti-Siphon Pressure Type Vacuum Breaker (32 84 23 00-0217)		
			Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0230	EA		3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	119.55	12.65
32 84 23 00-0231	EA		1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	172.15	14.46
32 84 23 00-0232	EA		1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	314.39	16.71
32 84 23 00-0233	EA		1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	383.12	18.52
32 84 23 00-0234	EA		2" Anti-Siphon Pressure Type Vacuum Breaker	385.62	22.59
32 84 23 00-0235			Irrigation Piping (32 84 23)		
32 84 23 00-0236	LF		3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	1.31	0.52
			For >1,000, Deduct	-0.07	
32 84 23 00-0237	LF		1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	1.60	0.63
			For >1,000, Deduct	-0.08	
32 84 23 00-0238	LF		1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	2.30	0.79
			For >1,000, Deduct	-0.12	
32 84 23 00-0239	LF		2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	3.01	0.99
			For >1,000, Deduct	-0.15	
32 84 23 00-0240	LF		2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	3.94	1.16
			For >1,000, Deduct	-0.20	
32 84 23 00-0241			Irrigation Swing Joints (32 84 23)		
32 84 23 00-0242	EA		3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	28.94	8.28
32 84 23 00-0243	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	33.04	9.25
32 84 23 00-0244	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	46.26	9.25
32 84 23 00-0245			Irrigation Control Wire (32 84 23)		
			Note: Excludes excavation and backfill.		
32 84 23 00-0246			18 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0245)		
32 84 23 00-0247	CLF		1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	23.73	6.24
32 84 23 00-0248	CLF		2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	32.05	7.28
32 84 23 00-0249	CLF		3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	36.95	8.32
32 84 23 00-0250	CLF		4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	42.46	9.36
32 84 23 00-0251	CLF		5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	48.60	10.41
32 84 23 00-0252	CLF		6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	59.13	11.44
32 84 23 00-0253	CLF		7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	69.16	12.48
32 84 23 00-0254	CLF		8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	75.20	13.53
32 84 23 00-0255	CLF		9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	82.86	14.56
32 84 23 00-0256	CLF		10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	91.83	15.60
32 84 23 00-0257	CLF		11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	94.52	16.65
32 84 23 00-0258	CLF		12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	97.85	17.69
32 84 23 00-0259	CLF		13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	103.17	18.72
32 84 23 00-0260			16 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0245)		
32 84 23 00-0261	CLF		1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	25.39	6.24
32 84 23 00-0262			14 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0245)		
32 84 23 00-0263	CLF		1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	25.39	6.24
32 84 23 00-0264			12 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0245)		
32 84 23 00-0265	CLF		1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	36.38	6.24
32 84 23 00-0266			10 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0245)		
32 84 23 00-0267	CLF		1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	50.30	6.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0268 Root Watering Systems ^(32 84 23) Note: Includes swing assembly.		
32 84 23 00-0269 EA 0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401).....	48.19	8.32
For Root Watering Sand Sock, Add	0.64	
32 84 23 00-0270 EA 0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	52.56	8.32
For Root Watering Sand Sock, Add	0.64	
32 84 23 00-0271 EA 0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	48.19	8.32
For Root Watering Sand Sock, Add	0.64	
32 84 23 00-0272 EA 0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	52.56	8.32
For Root Watering Sand Sock, Add	0.64	
32 84 23 00-0273 EA 1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	52.56	8.32
For Root Watering Sand Sock, Add	0.64	
32 84 23 00-0274 EA 0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	41.76	7.28
For Root Watering Sand Sock, Add	0.64	
32 84 23 00-0275 EA 0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	45.96	7.28
For Root Watering Sand Sock, Add	0.64	
32 84 23 00-0276 EA 0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	41.76	7.28
For Root Watering Sand Sock, Add	0.64	
32 84 23 00-0277 EA 0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	45.96	7.28
For Root Watering Sand Sock, Add	0.64	
32 84 23 00-0278 EA 0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	26.95	6.24
For Root Watering Sand Sock, Add	0.64	
32 84 23 00-0279 EA 0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	30.95	6.24
For Root Watering Sand Sock, Add	0.64	

32 90 Planting ⁽³²⁾

Note: Contractor is responsible for planting material until final acceptance. Contractor is responsible for warranting all plant material for one year from Final Acceptance by the City. The Contractor's adjustment factor is to include all costs related to watering for plant material for 60 days from the date of acceptance by the Department having the authority in accepting the project. If the Contractor feels additional watering is necessary to ensure establishment of plant material, they are entitled to use the appropriate line items from the CTC for that purpose. The reasonableness of the additional watering line items are subject to review and approval by the City. Unit Prices include delivery, unloading and storing materials, tools and equipment on site; moving, materials, tools and equipment from storage area or truck within 125' to reach the site. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation ^(32 90)

32 91 13 Soil Preparation ^(32 91)

32 91 13 16 Mulching ^(32 91 13)

32 91 13 16-0001 Mulch ^(32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0028 for hauling greater than 15 miles.

32 91 13 16-0002 CY Stone/Gravel Mulch, Marble Chips	174.58	
For >5 To 20, Deduct	-10.03	
For >20 To 50, Deduct	-15.04	
For >50, Deduct	-23.77	
For Work On Slopes >2.5:1, Add	5.19	
32 91 13 16-0003 CY Pea Gravel Mulch	63.61	
For >5 To 20, Deduct	-4.48	
For >20 To 50, Deduct	-6.72	
For >50, Deduct	-9.90	
For Work On Slopes >2.5:1, Add	5.19	
32 91 13 16-0004 CY Pine Bark Nugget Mulch	53.43	
For >5 To 20, Deduct	-3.97	
For >20 To 50, Deduct	-5.95	
For >50, Deduct	-8.63	
For Work On Slopes >2.5:1, Add	5.19	
32 91 13 16-0005 CY Hardwood Bark Nugget Mulch	52.33	
For >5 To 20, Deduct	-3.91	
For >20 To 50, Deduct	-5.87	
For >50, Deduct	-8.49	
For Work On Slopes >2.5:1, Add	5.19	
32 91 13 16-0006 CY Pine Wood Chip Mulch	50.13	
For >5 To 20, Deduct	-3.80	
For >20 To 50, Deduct	-5.71	
For >50, Deduct	-8.21	
For Work On Slopes >2.5:1, Add	5.19	
32 91 13 16-0007 CY Hardwood Chip Mulch	54.53	
For >5 To 20, Deduct	-4.02	
For >20 To 50, Deduct	-6.04	
For >50, Deduct	-8.76	
For Work On Slopes >2.5:1, Add	5.19	
32 91 13 16-0008 CY Shredded Hardwood Mulch	54.53	
For >5 To 20, Deduct	-4.02	
For >20 To 50, Deduct	-6.04	
For >50, Deduct	-8.76	
For Work On Slopes >2.5:1, Add	5.19	

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 91 13 16-0009	CY	Shredded Pine Mulch.....	44.64	
		<i>For >5 To 20, Deduct</i>	-3.53	
		<i>For >20 To 50, Deduct</i>	-5.30	
		<i>For >50, Deduct</i>	-7.53	
		<i>For Work On Slopes >2.5:1, Add</i>	5.19	
32 91 13 16-0010	CY	Shredded Cedar Mulch	66.07	
		<i>For >5 To 20, Deduct</i>	-4.60	
		<i>For >20 To 50, Deduct</i>	-6.90	
		<i>For >50, Deduct</i>	-10.21	
		<i>For Work On Slopes >2.5:1, Add</i>	5.19	
32 91 13 16-0011	CY	Shredded Cypress Mulch.....	64.42	
		<i>For >5 To 20, Deduct</i>	-4.52	
		<i>For >20 To 50, Deduct</i>	-6.78	
		<i>For >50, Deduct</i>	-10.00	
		<i>For Work On Slopes >2.5:1, Add</i>	5.19	
32 91 13 16-0012	CY	Shredded Redwood Mulch.....	68.81	
		<i>For >5 To 20, Deduct</i>	-4.74	
		<i>For >20 To 50, Deduct</i>	-7.11	
		<i>For >50, Deduct</i>	-10.55	
		<i>For Work On Slopes >2.5:1, Add</i>	5.19	
32 91 13 16-0013	CY	Chunk Recycled Tire Mulch	109.47	
		<i>For >5 To 20, Deduct</i>	-7.10	
		<i>For >20 To 50, Deduct</i>	-10.65	
		<i>For >50, Deduct</i>	-16.13	
		<i>For Work On Slopes >2.5:1, Add</i>	6.51	
32 91 13 16-0014	CY	Chunk Colored Recycled Tire Mulch.....	185.28	
		<i>For >5 To 20, Deduct</i>	-10.89	
		<i>For >20 To 50, Deduct</i>	-16.34	
		<i>For >50, Deduct</i>	-25.60	
		<i>For Work On Slopes >2.5:1, Add</i>	6.51	
32 91 13 16-0015	CY	Shredded Recycled Tire Mulch.....	186.38	
		<i>For >5 To 20, Deduct</i>	-10.95	
		<i>For >20 To 50, Deduct</i>	-16.42	
		<i>For >50, Deduct</i>	-25.74	
		<i>For Work On Slopes >2.5:1, Add</i>	6.51	
32 91 13 16-0016	CY	Shredded Colored Recycled Tire Mulch	338.02	
		<i>For >5 To 20, Deduct</i>	-18.53	
		<i>For >20 To 50, Deduct</i>	-27.79	
		<i>For >50, Deduct</i>	-44.69	
		<i>For Work On Slopes >2.5:1, Add</i>	6.51	
32 91 13 16-0017	EA	Pine Straw Mulch Bale.....	5.13	
		Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
		<i>For >100 To 250, Deduct</i>	-0.32	
		<i>For >250 To 500, Deduct</i>	-0.39	
		<i>For >500, Deduct</i>	-0.58	
		<i>For Work On Slopes >2.5:1, Add</i>	0.26	
32 91 13 16-0018	EA	Wheat Straw Mulch Bale.....	5.49	
		Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
		<i>For >100 To 250, Deduct</i>	-0.32	
		<i>For >250 To 500, Deduct</i>	-0.37	
		<i>For >500, Deduct</i>	-0.60	
		<i>For Work On Slopes >2.5:1, Add</i>	0.19	
32 91 13 16-0019	CY	Melaleuca Mulch, Hand Spread.....	82.58	
		<i>For Installation of Owner Furnished Materials, Deduct</i>	-47.76	
		<i>For Work On Slopes >2.5:1, Add</i>	6.96	

32 91 13 26 Planting Beds (32 91 13)

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001		Plant Bed Preparation (32 91 13 26)		
		Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002	SF	Prepare And Mix Plant Bed, Up To 8" Deep By Machine.....	0.41	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		<i>For Work On Slopes >2.5:1, Add</i>	0.08	
32 91 13 26-0003	SF	Prepare And Mix Plant Bed, 9" To 13" Deep By Machine.....	0.47	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		<i>For Work On Slopes >2.5:1, Add</i>	0.09	
32 91 13 26-0004	SF	Prepare And Mix Plant Bed, 14" To 18" Deep By Machine.....	0.56	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		<i>For Work On Slopes >2.5:1, Add</i>	0.11	
32 91 13 26-0005	SF	Prepare And Mix Plant Bed By Hand, Up To 8" Deep.....	1.50	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		<i>For Work On Slopes >2.5:1, Add</i>	0.30	
32 91 13 26-0006	SF	Prepare And Mix Plant Bed By Hand, 9" To 13" Deep.....	1.73	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		<i>For Work On Slopes >2.5:1, Add</i>	0.35	
32 91 13 26-0007	SF	Prepare And Mix Plant Bed By Hand, 14" To 18" Deep.....	2.04	
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
		<i>For Work On Slopes >2.5:1, Add</i>	0.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0008			Planting Pit Preparation (32 91 13 26) Note: Not for use when installing trees and shrubs.		
32 91 13 26-0009	CY		Excavate Planting Pit By Hand, Sandy Soil Note: For use with existing planting pits. <i>For Work On Slopes >2.5:1, Add</i>	26.04 5.21	
32 91 13 26-0010	CY		Excavate Planting Pit By Hand, Heavy Soil Note: For use with existing planting pits. <i>For Work On Slopes >2.5:1, Add</i>	52.07 10.41	
32 91 13 26-0011	CY		Excavate Planting Pit By Machine, Sandy Soil Note: For use with existing planting pits. <i>For Work On Slopes >2.5:1, Add</i>	5.81 1.16	
32 91 13 26-0012	CY		Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits. <i>For Work On Slopes >2.5:1, Add</i>	7.56 1.51	
32 91 13 26-0013	CY		Backfill Planting Pit By Hand With Topsoil From Stockpile <i>For Work On Slopes >2.5:1, Add</i>	23.13 4.63	
32 91 13 26-0014	CY		Backfill Planting Pit By Hand With Contractor Furnished Planting Mix <i>For Installation of Owner Furnished Materials, Deduct</i> <i>For Work On Slopes >2.5:1, Add</i>	57.60 -34.05 4.71	
32 91 13 26-0015	CY		Backfill Planting Pit By Machine, With Topsoil From Stockpile <i>For Work On Slopes >2.5:1, Add</i>	2.77 0.55	
32 91 13 26-0016	CY		Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix <i>For Installation of Owner Furnished Materials, Deduct</i> <i>For Work On Slopes >2.5:1, Add</i>	42.54 -34.05 1.70	
32 91 13 26-0017			Weed Barrier (32 91 13 26)		
32 91 13 26-0018	SY		Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier <i>For Work On Slopes >2.5:1, Add</i>	1.12 0.04	
32 91 13 26-0019	SY		4 Oz/SY Woven, Polypropylene Weed Barrier <i>For Work On Slopes >2.5:1, Add</i>	1.59 0.04	
32 91 13 26-0020	SY		5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier <i>For Installation of Owner Furnished Materials, Deduct</i> <i>For Work On Slopes >2.5:1, Add</i>	1.38 -1.17 0.04	
32 91 13 33			Soil Conditioners (32 91 13)		
32 91 13 33-0001			Spread Soil Conditioners (32 91 13 33)		
32 91 13 33-0002	SY		Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.24	
32 91 13 33-0003	MSF		Aluminum Sulfate 1 LB/SY, Tractor Spreader.....	24.63	
32 91 13 33-0004	SY		Fertilizer, 0.2 LB/SY, Push Spreader.....	0.02	
32 91 13 33-0005	MSF		Fertilizer, 0.2 LB/SY, Tractor Spread.....	1.57	
32 91 13 33-0006	MSF		Fertilizer, 18.36 LB/MSF, Truck Spread.....	2.71	
32 91 13 33-0007	SY		Pelletized Lime, 1 LB/SY, Push Spreader.....	0.04	
32 91 13 33-0008	MSF		Pelletized Lime, 1 LB/SY, Tractor Spreader.....	4.44	
32 91 13 33-0009	SY		Perlite, 1" Deep, Push Spreader.....	2.25	
32 91 13 33-0010	MSF		Perlite, 1" Deep, Tractor Spreader.....	235.28	
32 91 13 33-0011	SY		Vermiculite, Push Spreader.....	2.08	
32 91 13 33-0012	MSF		Vermiculite, Tractor Spreader.....	229.82	
32 91 13 36			Lawn Bed Preparation (32 91 13)		
32 91 13 36-0001			Lawn Bed Preparation (32 91 13 36)		
32 91 13 36-0002	MSF		Rake Topsoil With Machine.....	34.31	
32 91 13 36-0003	MSF		Rake Topsoil By Hand.....	20.82	
32 91 13 36-0004	SY		Roll Topsoil With Machine.....	0.47	
32 91 13 36-0005	SY		Roll Topsoil By Hand.....	0.93	
32 91 13 36-0006	MSF		Removal Of Rocks And Debris With Machine.....	4.05	
32 91 13 36-0007	MSF		Removal Of Rocks And Debris By Hand.....	11.66	
32 91 13 36-0008	MSF		Root Raking And Loading, No Boulders..... <i>For >45 to 225, Deduct</i> <i>For >225, Deduct</i>	21.23 -14.86 -19.11	
32 91 13 36-0009	MSF		Root Raking And Loading, With Boulders..... <i>For >45 to 225, Deduct</i> <i>For >225, Deduct</i>	35.38 -24.77 -31.84	
32 91 13 36-0010	MSF		Up To 6" Deep Tilling Topsoil With Tractor.....	2.01	
32 91 13 36-0011	MSF		>6" To 12" Deep Tilling Topsoil With Tractor <i>For Work On Slopes >2.5:1, Add</i>	4.08 0.82	
32 91 13 36-0012	SY		Up To 2" Deep Tilling Topsoil With Rototiller.....	0.23	
32 91 13 36-0013	SY		>2" To 4" Deep Tilling Topsoil With Rototiller.....	0.27	
32 91 13 36-0014	SY		>4" To 6" Deep Tilling Topsoil With Rototiller.....	0.34	
32 91 13 36-0015	LF		"V" Cut Soil For Edge Of Planting Beds.....	0.38	
32 91 13 36-0016			Sod Removal (32 91 13 36)		
32 91 13 36-0017	SY		Removal Of Sod By Hand..... <i>For Work On Slopes >2.5:1, Add</i>	1.75 0.35	
32 91 13 36-0018	SY		Removal Of Sod With Machine..... <i>For Work On Slopes >2.5:1, Add</i>	0.27 0.05	
32 91 13 36-0019	SY		Pile Sod By Hand..... <i>For Work On Slopes >2.5:1, Add</i>	1.04 0.21	
32 91 13 36-0020	SY		Pile Sod With Machine..... <i>For Work On Slopes >2.5:1, Add</i>	0.51 0.10	

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 91 19 Landscape Grading (32 91)****32 91 19 13 Topsoil Placement And Grading (32 91 19)****32 91 19 13-0001 Remove And Stockpile Topsoil On Site (32 91 19 13)**

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	2.52
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	2.49

32 91 19 13-0004 Screening Topsoil (32 91 19 13)

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic).....	5.47
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	3.64

32 91 19 13-0007 Spreading Topsoil From Stockpile (32 91 19 13)

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	3.51
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	19.87

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil (32 91 19 13)

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0028 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	2.30
		<i>For Unscreened, Deduct</i>	-0.36
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	4.45
		<i>For Unscreened, Deduct</i>	-0.71
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	6.51
		<i>For Unscreened, Deduct</i>	-1.07
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	9.50
		<i>For Unscreened, Deduct</i>	-1.61
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	12.51
		<i>For Unscreened, Deduct</i>	-2.14
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	35.05
		<i>For Unscreened, Deduct</i>	-6.42

32 91 19 16 Scarify Soil (32 91 19)**32 91 19 16-0001 Scarify Soil For Planting Preparation (32 91 19 16)**

Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 16-0002	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	27.16
32 91 19 16-0003	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	19.02
32 91 19 16-0004	MSF	>20,000 SF Scarify Up To 8" Soil With Machine With Scarifier.....	11.31

32 92 Turf And Grasses (32 90)**32 92 19 Seeding (32 92)****32 92 19 13 Mechanical Seeding (32 92 19)**

Note: Includes fertilizing, liming, mixing, and seeding.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding (32 92 19 13)

Note: Excludes straw.

32 92 19 13-0002	MSF	Rye, Tractor Spreader	17.43
		Note: 10 LB/MSF spread rate.	
32 92 19 13-0003	MSF	Bahia, Tractor Spreader.....	47.70
		Note: 8#/MSF spread rate.	

32 92 19 13-0004 Hydro Or Air Mechanical Seeding (32 92 19 13)

32 92 19 13-0005	MSF	Rye, Hydro Or Air Spread	45.24
		Note: 10 LB/MSF spread rate.	
		<i>For >45, Deduct</i>	-3.45
		<i>For Tackifier, Add</i>	0.79
32 92 19 13-0006	MSF	Bahia, Hydro Or Air Spread	75.62
		Note: 8 LB/MSF spread rate.	
		<i>For >45, Deduct</i>	-4.97
32 92 19 13-0007	MSF	2,500 LB/Acre, High Performance - Flexible Growth Medium.....	66.63
		Note: Applied with seed. Excludes seed.	
		<i>For >45, Deduct</i>	-3.93
32 92 19 13-0008	MSF	3,000 LB/Acre, High Performance - Flexible Growth Medium.....	78.19
		Note: Applied with seed. Excludes seed.	
		<i>For >45, Deduct</i>	-4.53
32 92 19 13-0009	MSF	3,500 LB/Acre, High Performance - Flexible Growth Medium.....	89.77
		Note: Applied with seed. Excludes seed.	
		<i>For >45, Deduct</i>	-5.14
32 92 19 13-0010	MSF	4,000 LB/Acre, High Performance - Flexible Growth Medium.....	101.36
		Note: Applied with seed. Excludes seed.	
		<i>For >45, Deduct</i>	-5.75
32 92 19 13-0011	MSF	4,500 LB/Acre, High Performance - Flexible Growth Medium.....	113.01
		Note: Applied with seed. Excludes seed.	
		<i>For >45, Deduct</i>	-6.37



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

32 92 19 19

Seeding By Hand (32 92 19)

Note: Includes fertilizing, liming, mixing, and seeding. Excludes straw.

32 92 19 19-0001

Push Spreader Or Hand Seeding (32 92 19 19)

Note: Excludes straw.

Table with 3 columns: CSI, UOM, Description, and Unit Cost. Includes items like 'MSF Rye, Push Spreader Or Hand' and 'MSF Bahia, Push Spreader Or Hand' with associated costs and deducts.

32 92 23

Sodding (32 92)

Note: Includes raking preparation, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering.

32 92 23 00-0001

St. Augustine Sod (32 92 23)

Table with 3 columns: CSI, UOM, Description, and Unit Cost. Lists various sodding rates for St. Augustine Sod on level and sloped ground.

32 92 23 00-0010

Bahia Argentine Sod (32 92 23)

Table with 3 columns: CSI, UOM, Description, and Unit Cost. Lists various sodding rates for Bahia Argentine Sod on level and sloped ground.

32 92 23 00-0019

Paspalum Sod (32 92 23)

Table with 3 columns: CSI, UOM, Description, and Unit Cost. Lists various sodding rates for Paspalum Sod on level and sloped ground.

32 93 Plants (32 90)

32 93 13

Ground Covers (32 93)

Note: Materials only, excludes labor for planting.

32 93 13 00-0001

Ground Cover (Florida And Texas) (32 93 13)

Table with 3 columns: CSI, UOM, Description, and Unit Cost. Lists various ground cover plants like 'Leather Fern', 'Baby Sun Rose', and 'Sea Oxeye Daisy' with their respective costs.

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 13 00-0028	EA	1	Gallon Borrichia frutescens - Silver Sea Oxeye	3.66	
32 93 13 00-0029	EA	3	Gallon Borrichia frutescens - Silver Sea Oxeye	9.59	
32 93 13 00-0030	EA	6"	Bromeliad	11.88	
32 93 13 00-0031	EA	3	Gallon Bromeliad	18.28	
32 93 13 00-0032	EA	4-1/2"	Centaurea cineraia - Dusty Miller	1.28	
32 93 13 00-0033	EA	1	Gallon Centaurea cineraia - Dusty Miller	2.28	
32 93 13 00-0034	EA	4"	Coleus hybridus - Coleus	0.64	
32 93 13 00-0035	EA	3	Gallon Coleus hybridus - Coleus	8.22	
32 93 13 00-0036	EA	8"	Top Cuphea hyssopifolia - False/Mexican Heather	11.88	
32 93 13 00-0037	EA	1	Gallon Cuphea hyssopifolia - False/Mexican Heather	1.83	
32 93 13 00-0038	EA	1	Gallon Cyrtomium falcatum - Holly Fern	4.11	
32 93 13 00-0039	EA	3	Gallon Cyrtomium falcatum - Holly Fern	10.05	
32 93 13 00-0040	EA	1	Gallon Dietes bicolor - Yellow/White African Iris	2.92	
32 93 13 00-0041	EA	3	Gallon Dietes bicolor - Yellow/White African Iris	10.97	
32 93 13 00-0042	EA	4"	Dietes iridioides - White African Iris	1.74	
32 93 13 00-0043	EA	6"	Dietes iridioides - White African Iris	3.56	
32 93 13 00-0044	EA	1	Gallon Dietes iridioides - White African Iris	2.92	
32 93 13 00-0045	EA	3	Gallon Dietes iridioides - White African Iris	10.97	
32 93 13 00-0046	EA	4"	Epipremnum - Golden Pothos	2.74	
32 93 13 00-0047	EA	8"	Epipremnum - Golden Pothos	4.57	
32 93 13 00-0048	EA	1	Gallon Epipremnum - Golden Pothos	4.57	
32 93 13 00-0049	EA	1	Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorn	4.57	
32 93 13 00-0050	EA	3	Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorn	8.22	
32 93 13 00-0051	EA	4-1/2"	Evolvulus glomeratus - Blue Daze	1.83	
32 93 13 00-0052	EA	6"	Evolvulus glomeratus - Blue Daze	8.22	
32 93 13 00-0053	EA	10"	Ficus pumila - Creeping Fig	9.14	
32 93 13 00-0054	EA	1	Gallon Ficus pumila - Creeping Fig	3.20	
32 93 13 00-0055	EA	3	Gallon Ficus pumila - Creeping Fig	13.71	
32 93 13 00-0056	EA	4"	Gaillardia pulchella - Blanket Flower	2.10	
32 93 13 00-0057	EA	1	Gallon Gaillardia pulchella - Blanket Flower	3.20	
32 93 13 00-0058	EA	4-1/2"	Geranium - Black Olive East	2.28	
32 93 13 00-0059	EA	6"	Geranium - Black Olive East	3.38	
32 93 13 00-0060	EA	4"	Helianthus debilis - Dune Sunflower	1.74	
32 93 13 00-0061	EA	6"	Helianthus debilis - Dune Sunflower	3.20	
32 93 13 00-0062	EA	1	Gallon Helianthus debilis - Dune Sunflower	3.66	
32 93 13 00-0063	EA	1	Gallon Helianthus debilis - Beach Sunflower	3.66	
32 93 13 00-0064	EA	4"	Helianthus debilis - Beach Sunflower	2.19	
32 93 13 00-0065	EA	6"	Helianthus debilis - Beach Sunflower	3.20	
32 93 13 00-0066	EA	1	Gallon Hemerocallis spp - Day Lily	4.11	
32 93 13 00-0067	EA	1	Gallon Hymenocallis latifolia - Spider Lily	3.66	
32 93 13 00-0068	EA	3	Gallon Hymenocallis latifolia - Spider Lily	7.31	
32 93 13 00-0069	EA	4"	Ipomoea pes-caprae - Railroad Vine	2.10	
32 93 13 00-0070	EA	6"	Ipomoea pes-caprae - Railroad Vine	2.74	
32 93 13 00-0071	EA	4"	Juniperus chinensis 'Parsonii'	1.83	
32 93 13 00-0072	EA	1	Gallon Juniperus chinensis 'Parsonii'	3.47	
32 93 13 00-0073	EA	3	Gallon Juniperus chinensis 'Parsonii'	7.31	
32 93 13 00-0074	EA	1	Gallon Juniperus conferta - Shore Juniper	3.66	
32 93 13 00-0075	EA	3	Gallon Juniperus conferta - Shore Juniper	6.85	
32 93 13 00-0076	EA	1	Gallon Juniperus conferta - Blue Pacific	3.29	
32 93 13 00-0077	EA	2	Gallon Juniperus conferta - Blue Pacific	6.40	
32 93 13 00-0078	EA	3	Gallon Juniperus conferta - Blue Pacific	7.31	
32 93 13 00-0079	EA	1	Gallon Juniperus conferta 'Compacta' - Dwarf Shore Juniper	3.29	
32 93 13 00-0080	EA	4"	Juniperus procumbens 'Nana'	2.47	
32 93 13 00-0081	EA	1	Gallon Juniperus procumbens 'Nana'	3.56	
32 93 13 00-0082	EA	2	Gallon Juniperus procumbens 'Nana'	6.40	
32 93 13 00-0083	EA	3	Gallon Juniperus procumbens 'Nana'	7.31	
32 93 13 00-0084	EA	4"	Liriope	2.10	
32 93 13 00-0085	EA	1	Gallon Liriope	2.74	
32 93 13 00-0086	EA	3	Gallon Liriope	6.40	
32 93 13 00-0087	EA	1	Gallon Liriope muscari - Lilyturf	2.83	
32 93 13 00-0088	EA	1	Gallon Liriope 'Evergreen Giant'	3.20	
32 93 13 00-0089	EA	2	Gallon Liriope 'Evergreen Giant'	5.03	
32 93 13 00-0090	EA	3	Gallon Liriope 'Evergreen Giant'	9.14	
32 93 13 00-0091	EA	1	Gallon Liriope 'Variegata'	2.28	
32 93 13 00-0092	EA	3	Gallon Liriope 'Variegata'	7.31	
32 93 13 00-0093	EA	1	Gallon Nephrolepis - Swordfern/Boston Fern	2.74	
32 93 13 00-0094	EA	3	Gallon Nephrolepis - Swordfern/Boston Fern	7.31	
32 93 13 00-0095	EA	1	Gallon Nephrolepis cordifolia - Erect Swordfern	2.74	
32 93 13 00-0096	EA	3	Gallon Nephrolepis cordifolia - Erect Swordfern	9.14	
32 93 13 00-0097	EA	7	Gallon Nephrolepis cordifolia - Erect Swordfern	21.93	
32 93 13 00-0098	EA	1	Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern	3.20	
32 93 13 00-0099	EA	3	Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern	6.40	
32 93 13 00-0100	EA	1	Gallon Ophiopogon japonicus 'Nana' - Dwarf Mondo Grass	2.74	
32 93 13 00-0101	EA	4-1/2"	Pentas lanceolata - Egyptian Star Cluster	1.19	
32 93 13 00-0102	EA	1	Gallon Pentas lanceolata - Egyptian Star Cluster	2.74	
32 93 13 00-0103	EA	3	Gallon Pentas lanceolata - Egyptian Star Cluster	9.14	
32 93 13 00-0104	EA	4-1/2"	Polyodium scolopenrium - Wart Fern	3.66	
32 93 13 00-0105	EA	6"	Polyodium scolopenrium - Wart Fern	4.57	
32 93 13 00-0106	EA	1	Gallon Polyodium scolopenrium - Wart Fern	4.57	
32 93 13 00-0107	EA	3	Gallon Polyodium scolopenrium - Wart Fern	10.97	
32 93 13 00-0108	EA		Bare Root Pontederia cordata - Pickerel Weed	0.42	
32 93 13 00-0109	EA	6"	Rhoeo spathacea discolor - Dwarf Oyster Plant	3.20	
32 93 13 00-0110	EA	1	Gallon Rhoeo spathacea discolor - Dwarf Oyster Plant	2.74	
32 93 13 00-0111	EA		Bare Root Sagittaria latifolia - Duck Potato	0.64	
32 93 13 00-0112	EA	4"	Setcreasea pallida - Purple Queen	0.82	



Exterior Improvements			32
Planting			32 90
Plants			32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0113	EA	6"	Setcreasea pallida - Purple Queen.....	1.83	
32 93 13 00-0114	EA	1 Gallon	Setcreasea pallida - Purple Queen.....	2.28	
32 93 13 00-0115	EA	1 Gallon	Stachytarpheta - Porter Weed.....	2.74	
32 93 13 00-0116	EA	3 Gallon	Stachytarpheta - Porter Weed.....	5.94	
32 93 13 00-0117	EA	1 Gallon	Trachelospermum asiaticum - Small Leaf Asian Jasmine.....	3.20	
32 93 13 00-0118	EA	5"	Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine.....	2.10	
32 93 13 00-0119	EA	1 Gallon	Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine.....	3.56	
32 93 13 00-0120	EA	3 Gallon	Trellis Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine.....	13.71	
32 93 13 00-0121	EA	1 Gallon	Trachelospermum asiaticum 'Mini Mound' - Small Leaf Confederate Jasmine.....	4.57	
32 93 13 00-0122	EA	4"	Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine.....	2.10	
32 93 13 00-0123	EA	1 Gallon	Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine.....	2.74	
32 93 13 00-0124	EA	3 Gallon	Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine.....	13.71	
32 93 13 00-0125	EA	1 Gallon	Trachelospermum asiaticum 'Tricolor' - Tricolor Jasmine.....	3.20	
32 93 13 00-0126	EA	1 Gallon	Wedelia trilobata - Wedelia.....	1.81	
32 93 13 00-0127	EA	4"	Wedelia trilobata - Wedelia.....	1.37	
32 93 13 00-0128	Vines (Florida And Texas) (32 93 13)				
32 93 13 00-0129	EA	15 Gallon	Allamanda blanchetii - Purple Allamanda.....	45.69	
32 93 13 00-0130	EA	1 Gallon	Allamanda cathartica - Common Allamanda.....	1.96	
32 93 13 00-0131	EA	3 Gallon	Allamanda cathartica - Common Allamanda.....	6.20	
32 93 13 00-0132	EA	1 Gallon	Ficus pumila - Creeping Fig.....	1.96	
32 93 13 00-0133	EA	3 Gallon	Ficus pumila - Creeping Fig.....	6.20	
32 93 13 00-0134	EA	1 Gallon	Herdera canariensis - Algerian Ivy.....	2.09	
32 93 13 00-0135	EA	4"	Hedera helix - English Ivy.....	1.57	
32 93 13 00-0136	EA	6"	Hedera helix - English Ivy.....	4.11	
32 93 13 00-0137	EA	1 Gallon	Mandevilla spp.....	4.24	
32 93 13 00-0138	EA	3 Gallon	Mandevilla spp.....	7.18	
32 93 13 00-0139	EA	15 Gallon	Mandevilla spp.....	58.74	
32 93 13 00-0140	EA	3 Gallon	Passiflora - Passion Flower.....	8.16	
32 93 13 00-0141	EA	15 Gallon	Passiflora - Passion Flower.....	58.74	
32 93 13 00-0142	EA	1 Gallon	Trachelospermum jasminoides - Confederate Jasmine.....	2.28	
32 93 13 00-0143	EA	3 Gallon	Trachelospermum jasminoides - Confederate Jasmine.....	6.53	
32 93 13 00-0144	EA	7 Gallon	Trachelospermum jasminoides - Confederate Jasmine.....	31.33	
32 93 13 00-0145	Flowering (Florida) (32 93 13)				
32 93 13 00-0146	EA	3 Gallon	Hibiscus - Anderson Crepe.....	6.40	
32 93 13 00-0147	EA	7 Gallon	Hibiscus - Anderson Crepe.....	31.07	
32 93 13 00-0148	EA	10 Gallon	Hibiscus - Anderson Crepe.....	45.69	
32 93 13 00-0149	EA	15 Gallon	Hibiscus - Anderson Crepe.....	54.82	
32 93 13 00-0150	EA	25 Gallon	Hibiscus - Anderson Crepe.....	82.23	
32 93 13 00-0151	EA	30 Gallon	Hibiscus - Anderson Crepe.....	91.37	
32 93 13 00-0152	EA	3 Gallon	Buddleia - Butterfly Bush.....	9.14	
32 93 13 00-0153	EA	3 Gallon	Crinum - Crinum Lily.....	9.14	
32 93 13 00-0154	EA	7 Gallon	Crinum - Crinum Lily.....	27.41	
32 93 13 00-0155	EA	10 Gallon	Crinum - Crinum Lily.....	45.69	
32 93 13 00-0156	EA	15 Gallon	Crinum - Crinum Lily.....	63.96	
32 93 13 00-0157	EA	25 Gallon	Crinum - Crinum Lily.....	91.37	
32 93 13 00-0158	EA	30 Gallon	Crinum - Crinum Lily.....	118.78	
32 93 13 00-0159	EA	1 Gallon	Hibiscus.....	3.84	
32 93 13 00-0160	EA	3 Gallon	Hibiscus.....	7.31	
32 93 13 00-0161	EA	7 Gallon	Hibiscus.....	27.41	
32 93 13 00-0162	EA	15 Gallon	Hibiscus.....	54.82	
32 93 13 00-0163	EA	25 Gallon	Hibiscus.....	91.37	
32 93 13 00-0164	EA	1 Gallon	Hibiscus rosa-sinensis - Chinese Hibiscus.....	3.02	
32 93 13 00-0165	EA	3 Gallon	Hibiscus rosa-sinensis - Chinese Hibiscus.....	7.31	
32 93 13 00-0166	EA	7 Gallon	Hibiscus rosa-sinensis - Chinese Hibiscus.....	31.98	
32 93 13 00-0167	EA	1 Gallon	Plumbago auriculata - Leadwort.....	3.65	
32 93 13 00-0168	EA	3 Gallon	Plumbago auriculata - Leadwort.....	7.31	
32 93 13 00-0169	EA	3 Gallon	Plumbago auriculata - Alba White.....	7.31	
32 93 13 00-0170	EA	1 Gallon	Plumbago auriculata - Blue Plumbago.....	3.02	
32 93 13 00-0171	EA	3 Gallon	Plumbago auriculata - Blue Plumbago.....	7.31	
32 93 13 00-0172	EA	1 Gallon	Plumbago capensis - Plumbago.....	3.66	
32 93 13 00-0173	EA	3 Gallon	Plumbago capensis - Plumbago.....	13.71	
32 93 13 00-0174	EA	1 Gallon	Plumbago - Imperial Blue.....	3.38	
32 93 13 00-0175	EA	3 Gallon	Plumbago - Imperial Blue.....	6.85	
32 93 13 00-0176	EA	1 Gallon	Russelia equisetiformis - Firecracker.....	2.28	
32 93 13 00-0177	EA	3 Gallon	Russelia equisetiformis - Firecracker.....	7.31	
32 93 13 00-0178	EA	4"	Salvia coccinea - Texas/Tropical Sage.....	1.37	
32 93 13 00-0179	EA	1 Gallon	Salvia coccinea - Texas/Tropical/Scarlet Sage.....	3.56	
32 93 13 00-0180	EA	3 Gallon	Scaevola taccada/frutescens - Beach Naupaka.....	6.85	
32 93 13 00-0181	EA	1 Gallon	Scaevola plumieri - Inkberry.....	9.14	
32 93 13 00-0182	EA	1 Gallon	Tibouchina urvilleana - Glory Bush.....	3.56	
32 93 13 00-0183	EA	3 Gallon	Tibouchina urvilleana - Glory Bush.....	6.85	
32 93 13 00-0184	EA	10 Gallon	Tibouchina urvilleana - Glory Bush.....	82.23	
32 93 13 00-0185	EA	4-1/2"	Caladium.....	1.55	
32 93 13 00-0186	EA	4"	Impatiens.....	0.91	
32 93 13 00-0187	EA	6"	Impatiens.....	2.28	
32 93 13 00-0188	EA	6"	Lantana.....	2.65	
32 93 13 00-0189	EA	1 Gallon	Lantana.....	3.02	
32 93 13 00-0190	EA	1 Gallon	Lantana depressa var. - Gold Lantana.....	2.74	
32 93 13 00-0191	EA	1 Gallon	Lantana montevidensis - Trailing Lantana.....	2.92	
32 93 13 00-0192	EA	1 Gallon	Ruellia.....	2.74	


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 13 00-0193	EA	3	Gallon Ruellia.....	5.94
32 93 13 00-0194	EA	1	Gallon Ruellia brittoniana - Mexican Bluebell.....	2.74
32 93 13 00-0195	EA	3	Gallon Ruellia brittoniana - Mexican Bluebell.....	6.40
32 93 13 00-0196	EA	1	Gallon Ruellia brittoniana 'Katie'	1.83
32 93 13 00-0197	EA	1	Gallon Tradescantia virginiana - Spiderwort	3.93

32 93 13 00-0198 Grasses (Florida And Texas) (32 93 13)

32 93 13 00-0199	EA	1	Gallon Cortaderia selloana - Pampas Grass.....	3.38
32 93 13 00-0200	EA	3	Gallon Cortaderia selloana - Pampas Grass.....	10.05
32 93 13 00-0201	EA	7	Gallon Cortaderia selloana - Pampas Grass.....	27.41
32 93 13 00-0202	EA	10	Gallon Cortaderia selloana - Pampas Grass.....	45.69
32 93 13 00-0203	EA	3	Gallon Curculigo capitulata - Palm Grass.....	14.62
32 93 13 00-0204	EA	1	Gallon Cyperus isocladius - Dwarf Papyrus.....	6.40
32 93 13 00-0205	EA	2	Gallon Cyperus isocladius - Dwarf Papyrus.....	9.14
32 93 13 00-0206	EA	3	Gallon Cyperus isocladius - Dwarf Papyrus.....	9.14
32 93 13 00-0207	EA	4"	Muhlenbergia - Muhly Grass.....	1.92
32 93 13 00-0208	EA	1	Gallon Muhlenbergia - Muhly Grass.....	3.56
32 93 13 00-0209	EA	3	Gallon Muhlenbergia - Muhly Grass.....	9.14
32 93 13 00-0210	EA	4"	Muhlenbergia capillaris - Hairawn Muhly Grass.....	1.74
32 93 13 00-0211	EA	1	Gallon Muhlenbergia capillaris - Hairawn Muhly Grass.....	3.20
32 93 13 00-0212	EA	3	Gallon Muhlenbergia capillaris - Hairawn Muhly Grass.....	7.31
32 93 13 00-0213	EA	1	Gallon Pennisetum frutescens - Pennisetum frutescens.....	4.57
32 93 13 00-0214	EA	3	Gallon Pennisetum frutescens - Pennisetum frutescens.....	5.94
32 93 13 00-0215	EA	5	Gallon Pennisetum frutescens - Pennisetum frutescens.....	13.71
32 93 13 00-0216	EA	4"	Pennisetum setaceum - Fountain Grass.....	2.10
32 93 13 00-0217	EA	1	Gallon Pennisetum setaceum - Fountain Grass.....	3.20
32 93 13 00-0218	EA	3	Gallon Pennisetum setaceum - Fountain Grass.....	7.31
32 93 13 00-0219	EA	5	Gallon Pennisetum setaceum - Fountain Grass.....	12.34
32 93 13 00-0220	EA	4"	Ophiopogon japonicus - Mondo Grass.....	1.83
32 93 13 00-0221	EA	6"	Ophiopogon japonicus - Mondo Grass.....	2.74
32 93 13 00-0222	EA	1	Gallon Ophiopogon japonicus - Mondo Grass.....	3.20
32 93 13 00-0223	EA	3	Gallon Ophiopogon japonicus - Mondo Grass.....	9.14
32 93 13 00-0224	EA	4"	Ophiopogon japonicus 'Nana' - Dwarf Mondo Grass.....	1.83
32 93 13 00-0225	EA	6"	Ophiopogon japonicus 'Nana' - Dwarf Mondo Grass.....	3.20
32 93 13 00-0226	EA	4"	Bare Root Spartina bakeri - Sand Cordgrass.....	2.10
32 93 13 00-0227	EA	1	Gallon Spartina bakeri - Sand Cordgrass.....	3.02
32 93 13 00-0228	EA	3	Gallon Spartina bakeri - Sand Cordgrass.....	6.21
32 93 13 00-0229	EA	2"	Spartina patens - Saltmeadow Cordgrass.....	1.01
32 93 13 00-0230	EA	4"	Spartina patens - Saltmeadow Cordgrass.....	1.37
32 93 13 00-0231	EA	1	Gallon Spartina patens - Saltmeadow Cordgrass.....	3.66
32 93 13 00-0232	EA	3	Gallon Spartina patens - Saltmeadow Cordgrass.....	7.77
32 93 13 00-0233	EA	1	Gallon Tripsacum dactyloides - Fakahatchee Grass.....	1.83
32 93 13 00-0234	EA	3	Gallon Tripsacum dactyloides - Fakahatchee Grass.....	6.40
32 93 13 00-0235	EA	5	Gallon Tripsacum dactyloides - Fakahatchee Grass.....	12.34
32 93 13 00-0236	EA	1	Gallon Tripsacum floridana - Florida Gama Grass.....	3.20
32 93 13 00-0237	EA	3	Gallon Tripsacum floridana - Florida Gama Grass.....	6.40
32 93 13 00-0238	EA	5	Gallon Tripsacum floridana - Florida Gama Grass.....	12.34
32 93 13 00-0239	EA	4"	Uniola paniculata - Sea Oats.....	1.83
32 93 13 00-0240	EA	1	Gallon Uniola paniculata - Sea Oats.....	3.66
32 93 13 00-0241	EA	3	Gallon Uniola paniculata - Sea Oats.....	9.14

32 93 33 Shrubs (32 93)

Note: (cvs = cultivar) Materials only, excludes labor for planting.

32 93 33 00-0001 Shrubs (32 93 33)

32 93 33 00-0002	EA	1	Gallon Abelia x grandiflora - Glossy Abelia.....	3.59
32 93 33 00-0003	EA	3	Gallon Abelia x grandiflora - Glossy Abelia.....	7.31
32 93 33 00-0004	EA	5	Gallon Abelia x grandiflora - Glossy Abelia.....	14.03
32 93 33 00-0005	EA	1	Gallon Acalypha wilkesiana - Copper Leaf.....	3.56
32 93 33 00-0006	EA	3	Gallon Acalypha wilkesiana - Copper Leaf.....	7.31
32 93 33 00-0007	EA	7	Gallon Acalypha wilkesiana - Copper Leaf.....	27.41
32 93 33 00-0008	EA	1	Gallon Adenium obesum - Desert Rose.....	13.71
32 93 33 00-0009	EA	3	Gallon Adenium obesum - Desert Rose.....	23.30
32 93 33 00-0010	EA	7	Gallon Adenium obesum - Desert Rose.....	63.96
32 93 33 00-0011	EA	3	Gallon Agave americana - Century Plant.....	18.28
32 93 33 00-0012	EA	7	Gallon Agave americana - Century Plant.....	54.83
32 93 33 00-0013	EA	10	Gallon Agave americana - Century Plant.....	91.38
32 93 33 00-0014	EA	25	Gallon Agave americana - Century Plant.....	155.34
32 93 33 00-0015	EA	1	Gallon Allamanda schottii - Bush Allamanda.....	3.02
32 93 33 00-0016	EA	3	Gallon Allamanda schottii - Bush Allamanda.....	7.31
32 93 33 00-0017	EA	7	Gallon Allamanda schottii - Bush Allamanda.....	27.41
32 93 33 00-0018	EA	3	Gallon Alocasia - Elephant Ear.....	10.05
32 93 33 00-0019	EA	3	Gallon Alocasia gageana - Dwarf Elephant Ear.....	10.96
32 93 33 00-0020	EA	7	Gallon Alocasia gageana - Dwarf Elephant Ear.....	45.69
32 93 33 00-0021	EA	3	Gallon Alpinia - Ginger.....	12.79
32 93 33 00-0022	EA	7	Gallon Alpinia - Ginger.....	45.69
32 93 33 00-0023	EA	1	Gallon Alpinia sanderae - Variegated Ginger.....	6.40
32 93 33 00-0024	EA	3	Gallon Alpinia sanderae - Variegated Ginger.....	16.45
32 93 33 00-0025	EA	7	Gallon Alpinia sanderae - Variegated Ginger.....	45.69
32 93 33 00-0026	EA	3	Gallon Alpinia zerumbert - Shell Ginger.....	18.27
32 93 33 00-0027	EA	7	Gallon Alpinia zerumbert - Shell Ginger.....	63.96
32 93 33 00-0028	EA	6"	Anthurium.....	9.14
32 93 33 00-0029	EA	10"	Anthurium.....	32.89



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0030	EA	1	Gallon Avicennia germinans - Black Mangrove	5.48	
32 93 33 00-0031	EA	3	Gallon Avicennia germinans - Black Mangrove	27.41	
32 93 33 00-0032	EA	1	Gallon Bouganvillea	5.48	
32 93 33 00-0033	EA	3	Gallon Bouganvillea	9.14	
32 93 33 00-0034	EA	7	Gallon Bouganvillea	45.69	
32 93 33 00-0035	EA	10	Gallon Bouganvillea	73.10	
32 93 33 00-0036	EA	15	Gallon Bouganvillea	118.78	
32 93 33 00-0037	EA	20	Gallon Bouganvillea	137.06	
32 93 33 00-0038	EA	25	Gallon Bouganvillea	228.43	
32 93 33 00-0039	EA	1	Gallon Dwarf Bouganvillea	4.57	
32 93 33 00-0040	EA	2	Gallon Dwarf Bouganvillea	8.22	
32 93 33 00-0041	EA	3	Gallon Dwarf Bouganvillea	10.05	
32 93 33 00-0042	EA	5	Gallon Dwarf Bouganvillea	22.84	
32 93 33 00-0043	EA	7	Gallon Dwarf Bouganvillea	27.41	
32 93 33 00-0044	EA	1	Gallon Variegated Bouganvillea	5.48	
32 93 33 00-0045	EA	3	Gallon Breynia disticha - Snowbush	7.31	
32 93 33 00-0046	EA	5	Gallon Breynia disticha - Snowbush	21.93	
32 93 33 00-0047	EA	7	Gallon Breynia disticha - Snowbush	27.41	
32 93 33 00-0048	EA	3	Gallon Breynia disticha 'Nana' - Dwarf Snowbush	9.14	
32 93 33 00-0049	EA	3	Gallon Buxus - Boxwood	7.31	
32 93 33 00-0050	EA	3	Gallon Carissa	8.68	
32 93 33 00-0051	EA	3	Gallon Carissa grandiflora - Natal Plum	8.68	
32 93 33 00-0052	EA	3	Gallon Carissa macrocarpa - Natal Plum	10.96	
32 93 33 00-0053	EA	1	Gallon Carissa macrocarpa 'Boxwood Beauty'	4.11	
32 93 33 00-0054	EA	3	Gallon Carissa macrocarpa 'Boxwood Beauty'	8.22	
32 93 33 00-0055	EA	3	Gallon Carissa macrocarpa 'Emerald Blanket'	7.31	
32 93 33 00-0056	EA	1	Gallon Chrysobalanus icaco - Red Tip Cocoplum	2.28	
32 93 33 00-0057	EA	3	Gallon Chrysobalanus icaco - Red Tip Cocoplum	6.40	
32 93 33 00-0058	EA	7	Gallon Chrysobalanus icaco - Red Tip Cocoplum	27.41	
32 93 33 00-0059	EA	3	Gallon Citharexylum spinosum - Fiddlewood	10.96	
32 93 33 00-0060	EA	7	Gallon Citharexylum spinosum - Fiddlewood	45.69	
32 93 33 00-0061	EA	3	Gallon Cocculus laurifolius - Snail Seed	9.14	
32 93 33 00-0062	EA	10	Gallon Cocculus laurifolius - Snail Seed	54.82	
32 93 33 00-0063	EA	1	Gallon Alpinia zerumbet 'Variegata' - Variegated Ginger	6.40	
32 93 33 00-0064	EA	3	Gallon Alpinia zerumbet 'Variegata' - Variegated Ginger	13.71	
32 93 33 00-0065	EA	7	Gallon Alpinia zerumbet 'Variegata' - Variegated Ginger	45.69	
32 93 33 00-0066	EA	10	Gallon Alpinia zerumbet 'Variegata' - Variegated Ginger	63.96	
32 93 33 00-0067	EA	1	Gallon Codiaeum variegatum - Croton	3.65	
32 93 33 00-0068	EA	3	Gallon Codiaeum variegatum - Croton	8.22	
32 93 33 00-0069	EA	7	Gallon Codiaeum variegatum - Croton	36.55	
32 93 33 00-0070	EA	10	Gallon Codiaeum variegatum - Croton	54.82	
32 93 33 00-0071	EA	15	Gallon Codiaeum variegatum - Croton	109.65	
32 93 33 00-0072	EA	1	Gallon Cordyline	3.65	
32 93 33 00-0073	EA	3	Gallon Cordyline	10.96	
32 93 33 00-0074	EA	7	Gallon Cordyline	27.41	
32 93 33 00-0075	EA	7	Gallon Dracaena arborea	45.69	
32 93 33 00-0076	EA	15	Gallon Dracaena arborea	91.37	
32 93 33 00-0077	EA	20	Gallon Dracaena arborea	137.06	
32 93 33 00-0078	EA	3	Gallon Elaeagnus pungens - Silverthorn	7.31	
32 93 33 00-0079	EA	7	Gallon Elaeagnus pungens - Silverthorn	36.55	
32 93 33 00-0080	EA	3	Gallon Eugenia	5.94	
32 93 33 00-0081	EA	7	Gallon Eugenia	27.41	
32 93 33 00-0082	EA	10	Gallon Eugenia	36.55	
32 93 33 00-0083	EA	15	Gallon Eugenia	45.69	
32 93 33 00-0084	EA	3	Gallon Eugenia foetida - Spanish Stopper	9.14	
32 93 33 00-0085	EA	7	Gallon Eugenia foetida - Spanish Stopper	41.12	
32 93 33 00-0086	EA	15	Gallon Eugenia foetida - Spanish Stopper	54.82	
32 93 33 00-0087	EA	1	Gallon Euphorbia milii - Crown Of Thorns	3.65	
32 93 33 00-0088	EA	3	Gallon Euphorbia milii - Crown Of Thorns	6.40	
32 93 33 00-0089	EA	1	Gallon Fatsia japonica - Japanese Aralia	4.57	
32 93 33 00-0090	EA	5	Gallon Fatsia japonica - Japanese Aralia	11.88	
32 93 33 00-0091	EA	7	Gallon Fatsia japonica - Japanese Aralia	17.09	
32 93 33 00-0092	EA	1	Gallon Ficus benjamina - Weeping Fig	4.57	
32 93 33 00-0093	EA	3	Gallon Ficus benjamina - Weeping Fig	6.85	
32 93 33 00-0094	EA	7	Gallon Ficus benjamina - Weeping Fig	31.98	
32 93 33 00-0095	EA	10	Gallon Ficus benjamina - Weeping Fig	45.69	
32 93 33 00-0096	EA	15	Gallon Ficus benjamina - Weeping Fig	63.96	
32 93 33 00-0097	EA	25	Gallon Ficus benjamina - Weeping Fig	118.79	
32 93 33 00-0098	EA	6' To 8'	Ficus benjamina - Weeping Fig	102.34	
32 93 33 00-0099	EA	8' To 10'	Ficus benjamina - Weeping Fig	127.93	
32 93 33 00-0100	EA	10' To 12'	Ficus benjamina - Weeping Fig	175.45	
32 93 33 00-0101	EA	12' To 14'	Ficus benjamina - Weeping Fig	204.69	
32 93 33 00-0102	EA	14' To 16'	Ficus benjamina - Weeping Fig	233.93	
32 93 33 00-0103	EA	16' To 18'	Ficus benjamina - Weeping Fig	263.17	
32 93 33 00-0104	EA	3	Gallon Forestiera segregata - Florida Privet	7.77	
32 93 33 00-0105	EA	7	Gallon Forestiera segregata - Florida Privet	36.55	
32 93 33 00-0106	EA	3	Gallon Galphimia gracilis - Thryallis	8.22	
32 93 33 00-0107	EA	7	Gallon Galphimia gracilis - Thryallis	21.93	
32 93 33 00-0108	EA	3	Gallon Gardenia	10.96	
32 93 33 00-0109	EA	7	Gallon Gardenia	27.41	
32 93 33 00-0110	EA	10	Gallon Gardenia	54.82	
32 93 33 00-0111	EA	1	Gallon Gardenia augusta 'Miami Supreme'	5.48	
32 93 33 00-0112	EA	3	Gallon Gardenia augusta 'Miami Supreme'	14.62	
32 93 33 00-0113	EA	7	Gallon Gardenia augusta 'Miami Supreme'	36.55	
32 93 33 00-0114	EA	10	Gallon Gardenia augusta 'Miami Supreme'	45.69	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 33 00-0115	EA	15	Gallon Gardenia augusta 'Miami Supreme'.....	73.10
32 93 33 00-0116	EA	25	Gallon Gardenia augusta 'Miami Supreme'.....	155.33
32 93 33 00-0117	EA	3	Gallon Gelsemium sempervirens - Carol Jasmine.....	10.96
32 93 33 00-0118	EA	3	Gallon Graphtophyllum pictum - Caricature Plant.....	7.31
32 93 33 00-0119	EA	7	Gallon Graphtophyllum pictum - Caricature Plant.....	21.93
32 93 33 00-0120	EA	1	Gallon Hamelia patens - Firebush.....	2.10
32 93 33 00-0121	EA	3	Gallon Hamelia patens - Firebush.....	8.22
32 93 33 00-0122	EA	10	Gallon Hamelia patens - Firebush.....	63.96
32 93 33 00-0123	EA	3	Gallon Hamelia patens 'Compacta'.....	9.14
32 93 33 00-0124	EA	1	Gallon Heliconia - False Bird Of Paradise.....	5.48
32 93 33 00-0125	EA	3	Gallon Heliconia - False Bird Of Paradise.....	13.71
32 93 33 00-0126	EA	7	Gallon Heliconia - False Bird Of Paradise.....	27.41
32 93 33 00-0127	EA	3	Gallon Ilex x attenuata - East Palatka Holly.....	13.71
32 93 33 00-0128	EA	10	Gallon Ilex x attenuata - East Palatka Holly.....	54.82
32 93 33 00-0129	EA	15	Gallon Ilex x attenuata - East Palatka Holly.....	73.10
32 93 33 00-0130	EA	25	Gallon Ilex x attenuata - East Palatka Holly.....	146.19
32 93 33 00-0131	EA	25	Gallon Ilex Cornuta 'Carissa'.....	4.57
32 93 33 00-0132	EA	3	Gallon Ilex cornuta 'Carissa'.....	11.42
32 93 33 00-0133	EA	1	Gallon Ilex cornuta 'Compacta'.....	3.65
32 93 33 00-0134	EA	3	Gallon Ilex cornuta 'Compacta'.....	8.68
32 93 33 00-0135	EA	1	Gallon Ilex cornuta 'Dwarf Burford'.....	3.84
32 93 33 00-0136	EA	3	Gallon Ilex cornuta 'Dwarf Burford'.....	7.77
32 93 33 00-0137	EA	1	Gallon Ilex vomitoria 'Schillings' Dwarf.....	3.20
32 93 33 00-0138	EA	2	Gallon Ilex vomitoria 'Schillings' Dwarf.....	6.40
32 93 33 00-0139	EA	3	Gallon Ilex vomitoria 'Schillings' Dwarf.....	8.22
32 93 33 00-0140	EA	3	Gallon Ilex vomitoria - Yaupon Holly.....	8.22
32 93 33 00-0141	EA	7	Gallon Ilex vomitoria - Yaupon Holly.....	36.55
32 93 33 00-0142	EA	15	Gallon Ilex vomitoria - Yaupon Holly.....	54.82
32 93 33 00-0143	EA	25	Gallon Ilex vomitoria - Yaupon Holly.....	155.33
32 93 33 00-0144	EA	1	Gallon Ilex vomitoria 'Nana' - Dwarf Yaupon Holly.....	3.20
32 93 33 00-0145	EA	3	Gallon Ilex vomitoria 'Nana' - Dwarf Yaupon Holly.....	9.14
32 93 33 00-0146	EA	1	Gallon Ilex vomitoria 'Stokes Dwarf'.....	3.56
32 93 33 00-0147	EA	3	Gallon Ilex vomitoria 'Stokes Dwarf'.....	8.22
32 93 33 00-0148	EA	7	Gallon Ilex vomitoria 'Stokes Dwarf'.....	31.98
32 93 33 00-0149	EA	7	Gallon Ilex vomitoria 'Stokes Dwarf'.....	68.53
32 93 33 00-0150	EA	3	Gallon Illicium floridanum - Florida Anise.....	8.22
32 93 33 00-0151	EA	7	Gallon Illicium floridanum - Florida Anise.....	25.58
32 93 33 00-0152	EA	15	Gallon Illicium floridanum - Florida Anise.....	54.82
32 93 33 00-0153	EA	1	Gallon Ixora.....	2.28
32 93 33 00-0154	EA	3	Gallon Ixora.....	5.48
32 93 33 00-0155	EA	3	Gallon Ixora coccinea - Red Ixora.....	5.03
32 93 33 00-0156	EA	1	Gallon Ixora 'Nora Grant'.....	2.28
32 93 33 00-0157	EA	3	Gallon Ixora 'Nora Grant'.....	6.85
32 93 33 00-0158	EA	1	Gallon Ixora 'Petite' - Red Taiwan Dwarf.....	2.28
32 93 33 00-0159	EA	3	Gallon Ixora 'Petite' - Red Taiwan Dwarf.....	5.94
32 93 33 00-0160	EA	3	Gallon Jasminum multiflorum - Downy Jasmine.....	6.40
32 93 33 00-0161	EA	7	Gallon Jasminum multiflorum - Downy Jasmine.....	18.27
32 93 33 00-0162	EA	1	Gallon Jasminum nitidum - Shining Jasmine.....	3.02
32 93 33 00-0163	EA	3	Gallon Jasminum nitidum - Shining Jasmine.....	7.31
32 93 33 00-0164	EA	1	Gallon Jasminum simplicolium.....	3.02
32 93 33 00-0165	EA	3	Gallon Jasminum simplicolium.....	6.85
32 93 33 00-0166	EA	1	Gallon Jasminum volubile - Wax Jasmine.....	3.02
32 93 33 00-0167	EA	3	Gallon Jasminum volubile - Wax Jasmine.....	6.85
32 93 33 00-0168	EA	3	Gallon Jatropha integerrima.....	9.14
32 93 33 00-0169	EA	7	Gallon Jatropha integerrima.....	36.55
32 93 33 00-0170	EA	15	Gallon Jatropha integerrima.....	91.37
32 93 33 00-0171	EA	1	Gallon Juniperus chinensis 'Blue Vase'.....	3.65
32 93 33 00-0172	EA	3	Gallon Juniperus chinensis 'Blue Vase'.....	8.22
32 93 33 00-0173	EA	3	Gallon Juniperus chinensis 'Hetzi'.....	7.31
32 93 33 00-0174	EA	1	Gallon Juniperus chinensis 'Parsonii' - Parson's Juniper.....	3.38
32 93 33 00-0175	EA	3	Gallon Juniperus chinensis 'Parsonii' - Parson's Juniper.....	7.31
32 93 33 00-0176	EA	1	Gallon Juniperus conferta - Shore Juniper.....	3.65
32 93 33 00-0177	EA	3	Gallon Juniperus conferta - Shore Juniper.....	6.85
32 93 33 00-0178	EA	1	Gallon Lagerstremia indica 'Miami' - Pink Crape Myrtle.....	3.38
32 93 33 00-0179	EA	3	Gallon Lagerstremia indica 'Miami' - Pink Crape Myrtle.....	6.85
32 93 33 00-0180	EA	7	Gallon Lagerstremia indica 'Miami' - Pink Crape Myrtle.....	27.41
32 93 33 00-0181	EA	15	Gallon Lagerstremia indica 'Miami' - Pink Crape Myrtle.....	73.10
32 93 33 00-0182	EA	25	Gallon Lagerstremia indica 'Miami' - Pink Crape Myrtle.....	146.19
32 93 33 00-0183	EA	45	Gallon Lagerstremia indica 'Miami' - Pink Crape Myrtle.....	246.70
32 93 33 00-0184	EA	1	Gallon Lagerstremia indica 'Natchez' - White Crape Myrtle.....	3.38
32 93 33 00-0185	EA	3	Gallon Lagerstremia indica 'Natchez' - White Crape Myrtle.....	6.85
32 93 33 00-0186	EA	7	Gallon Lagerstremia indica 'Natchez' - White Crape Myrtle.....	27.41
32 93 33 00-0187	EA	15	Gallon Lagerstremia indica 'Natchez' - White Crape Myrtle.....	73.10
32 93 33 00-0188	EA	25	Gallon Lagerstremia indica 'Natchez' - White Crape Myrtle.....	146.19
32 93 33 00-0189	EA	45	Gallon Lagerstremia indica 'Natchez' - White Crape Myrtle.....	246.70
32 93 33 00-0190	EA	3	Gallon Lagerstremia indica 'Purpurea' - Lavender Crape Myrtle.....	6.40
32 93 33 00-0191	EA	7	Gallon Lagerstremia indica 'Purpurea' - Lavender Crape Myrtle.....	27.41
32 93 33 00-0192	EA	15	Gallon Lagerstremia indica 'Purpurea' - Lavender Crape Myrtle.....	73.10
32 93 33 00-0193	EA	1	Gallon Lantana camara.....	2.47
32 93 33 00-0194	EA	1	Gallon Lantana montevidensis 'Lavender Weeping'.....	3.20
32 93 33 00-0195	EA	1	Gallon Leucophyllum frutescens - Texas Sage.....	2.10
32 93 33 00-0196	EA	3	Gallon Leucophyllum frutescens - Texas Sage.....	6.85
32 93 33 00-0197	EA	1	Gallon Ligustrum lucidum - Privet.....	2.38
32 93 33 00-0198	EA	3	Gallon Ligustrum lucidum - Privet.....	7.31
32 93 33 00-0199	EA	7	Gallon Ligustrum lucidum - Privet.....	27.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0200 EA 10 Gallon Ligustrum lucidum - Privet.....	45.69	
32 93 33 00-0201 EA 15 Gallon Ligustrum lucidum - Privet.....	63.96	
32 93 33 00-0202 EA 1 Gallon Lonicera sempervirens - Coral Honeysuckle.....	3.65	
32 93 33 00-0203 EA 3 Gallon Lonicera sempervirens - Coral Honeysuckle.....	10.96	
32 93 33 00-0204 EA 15 Gallon Lonicera sempervirens - Coral Honeysuckle.....	45.69	
32 93 33 00-0205 EA 1 Gallon Muhlenbergia capillaries - Muhly Grass.....	3.47	
32 93 33 00-0206 EA 3 Gallon Muhlenbergia capillaries - Muhly Grass.....	7.31	
32 93 33 00-0207 EA 3 Gallon Monstera deliciosa.....	10.96	
32 93 33 00-0208 EA 7 Gallon Monstera deliciosa.....	45.69	
32 93 33 00-0209 EA 5' To 6' Musa acuminata 'Cavendish' - Banana.....	45.62	
32 93 33 00-0210 EA 7 Gallon Musa x paradisiaca - Banana.....	36.55	
32 93 33 00-0211 EA 1 Gallon Myrcianthes fragrans - Simpson's Stopper.....	4.57	
32 93 33 00-0212 EA 3 Gallon Myrcianthes fragrans - Simpson's Stopper.....	9.14	
32 93 33 00-0213 EA 7 Gallon Myrcianthes fragrans - Simpson's Stopper.....	27.41	
32 93 33 00-0214 EA 15 Gallon Myrcianthes fragrans - Simpson's Stopper.....	54.82	
32 93 33 00-0215 EA 25 Gallon Myrcianthes fragrans - Simpson's Stopper.....	137.06	
32 93 33 00-0216 EA 1 Gallon Nandina domestica - Heavenly Bamboo.....	3.38	
32 93 33 00-0217 EA 3 Gallon Nandina domestica - Heavenly Bamboo.....	9.14	
32 93 33 00-0218 EA 7 Gallon Nandina domestica - Heavenly Bamboo.....	31.98	
32 93 33 00-0219 EA 3 Gallon Nerium oleander 'Red' - Oleander.....	6.85	
32 93 33 00-0220 EA 7 Gallon Nerium oleander 'Red' - Oleander.....	25.58	
32 93 33 00-0221 EA 10 Gallon Nerium oleander 'Red' - Oleander.....	45.69	
32 93 33 00-0222 EA 3 Gallon Nerium oleander 'White' - Oleander.....	7.31	
32 93 33 00-0223 EA 7 Gallon Nerium oleander 'White' - Oleander.....	25.58	
32 93 33 00-0224 EA 10 Gallon Nerium oleander 'White' - Oleander.....	45.69	
32 93 33 00-0225 EA 15 Gallon Nerium oleander 'White' - Oleander.....	63.96	
32 93 33 00-0226 EA 1 Gallon Nerium oleander - Oleander.....	3.20	
32 93 33 00-0227 EA 3 Gallon Nerium oleander - Oleander.....	7.31	
32 93 33 00-0228 EA 7 Gallon Nerium oleander - Oleander.....	27.41	
32 93 33 00-0229 EA 10 Gallon Nerium oleander - Oleander.....	45.69	
32 93 33 00-0230 EA 15 Gallon Nerium oleander - Oleander.....	63.96	
32 93 33 00-0231 EA 3 Gallon Nerium oleander - Calypso.....	8.22	
32 93 33 00-0232 EA 7 Gallon Nerium oleander - Calypso.....	31.98	
32 93 33 00-0233 EA 15 Gallon Nerium oleander - Calypso.....	63.96	
32 93 33 00-0234 EA 1 Gallon Nerium oleander 'Petite' - Dwarf Oleander.....	4.57	
32 93 33 00-0235 EA 3 Gallon Nerium oleander 'Petite' - Dwarf Oleander.....	6.40	
32 93 33 00-0236 EA 1 Gallon Opuntia humifusa - Prickly Pear Cactus.....	5.48	
32 93 33 00-0237 EA 5 Gallon Opuntia humifusa - Prickly Pear Cactus.....	14.62	
32 93 33 00-0238 EA 1 Gallon Philodendron bipinnatifidum - Selloum.....	3.20	
32 93 33 00-0239 EA 3 Gallon Philodendron bipinnatifidum - Selloum.....	7.31	
32 93 33 00-0240 EA 7 Gallon Philodendron bipinnatifidum - Selloum.....	27.41	
32 93 33 00-0241 EA 3 Gallon Philodendron 'Xanadu'.....	11.88	
32 93 33 00-0242 EA 7 Gallon Philodendron 'Xanadu'.....	36.55	
32 93 33 00-0243 EA 3 Gallon Pittosporum tobira 'Compacta'.....	7.77	
32 93 33 00-0244 EA 7 Gallon Pittosporum tobira 'Compacta'.....	31.07	
32 93 33 00-0245 EA 3 Gallon Pittosporum tobira - Green.....	5.94	
32 93 33 00-0246 EA 1 Gallon Pittosporum tobira 'Variegata'.....	3.20	
32 93 33 00-0247 EA 3 Gallon Pittosporum tobira 'Variegata'.....	7.31	
32 93 33 00-0248 EA 7 Gallon Pittosporum tobira 'Variegata'.....	36.55	
32 93 33 00-0249 EA 1 Gallon Podocarpus.....	4.02	
32 93 33 00-0250 EA 3 Gallon Podocarpus.....	8.22	
32 93 33 00-0251 EA 7 Gallon Podocarpus.....	32.89	
32 93 33 00-0252 EA 15 Gallon Podocarpus.....	63.96	
32 93 33 00-0253 EA 25 Gallon Podocarpus.....	137.06	
32 93 33 00-0254 EA 3 Gallon Podocarpus macrophyllus.....	8.22	
32 93 33 00-0255 EA 7 Gallon Podocarpus macrophyllus.....	31.98	
32 93 33 00-0256 EA 15 Gallon Podocarpus macrophyllus.....	54.82	
32 93 33 00-0257 EA 25 Gallon Podocarpus macrophyllus.....	137.06	
32 93 33 00-0258 EA 1 Gallon Podocarpus macrophyllus 'Maki'.....	3.20	
32 93 33 00-0259 EA 3 Gallon Podocarpus macrophyllus 'Maki'.....	9.14	
32 93 33 00-0260 EA 7 Gallon Podocarpus macrophyllus 'Maki'.....	36.55	
32 93 33 00-0261 EA 3 Gallon Psychotria ligustrifolia - Dwarf Wild Coffee.....	9.14	
32 93 33 00-0262 EA 3 Gallon Psychotria nervosa - Wild Coffee.....	8.68	
32 93 33 00-0263 EA 7 Gallon Psychotria nervosa - Wild Coffee.....	31.98	
32 93 33 00-0264 EA 1 Gallon Rhapsiolepis umbellata 'Alba' - Indian Hawthorn.....	3.02	
32 93 33 00-0265 EA 3 Gallon Rhapsiolepis umbellata 'Alba' - Indian Hawthorn.....	7.77	
32 93 33 00-0266 EA 7 Gallon Rhapsiolepis umbellata 'Alba' - Indian Hawthorn.....	21.02	
32 93 33 00-0267 EA 1 Gallon Rhapsiolepis indica - Indian Hawthorn.....	3.02	
32 93 33 00-0268 EA 3 Gallon Rhapsiolepis indica - Indian Hawthorn.....	8.68	
32 93 33 00-0269 EA 7 Gallon Rhapsiolepis indica - Indian Hawthorn.....	18.27	
32 93 33 00-0270 EA 1 Gallon Rhapsiolepis indica 'Alba' - White Indian Hawthorn.....	3.20	
32 93 33 00-0271 EA 3 Gallon Rhapsiolepis indica 'Alba' - White Indian Hawthorn.....	8.22	
32 93 33 00-0272 EA 1 Gallon Rhapsiolepis indica 'Dwarf' - Indian Hawthorn.....	3.47	
32 93 33 00-0273 EA 3 Gallon Rhapsiolepis indica 'Dwarf' - Indian Hawthorn.....	8.22	
32 93 33 00-0274 EA 1 Gallon Rhizophora mangle - Red American Mangrove.....	5.03	
32 93 33 00-0275 EA 3 Gallon Rhizophora mangle - Red American Mangrove.....	16.45	
32 93 33 00-0276 EA 3 Gallon Rhododendron - Azalea.....	7.31	
32 93 33 00-0277 EA 7 Gallon Rhododendron - Azalea.....	45.69	
32 93 33 00-0278 EA 3 Gallon Rose Miniature.....	11.88	
32 93 33 00-0279 EA 3 Gallon Scaevola.....	5.48	
32 93 33 00-0280 EA 1 Gallon Schefflera arboricola - Dwarf Schefflera.....	2.74	
32 93 33 00-0281 EA 3 Gallon Schefflera arboricola - Dwarf Schefflera.....	6.40	
32 93 33 00-0282 EA 7 Gallon Schefflera arboricola - Dwarf Schefflera.....	27.41	
32 93 33 00-0283 EA 10 Gallon Schefflera arboricola - Dwarf Schefflera.....	45.69	
32 93 33 00-0284 EA 1 Gallon Schefflera arboricola 'Gold Capella'.....	3.65	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 33 00-0285	EA	3	Gallon Schefflera arboricola 'Gold Capella'	6.85
32 93 33 00-0286	EA	7	Gallon Schefflera arboricola 'Gold Capella'	31.98
32 93 33 00-0287	EA	1	Gallon Schefflera Arboricola 'Gold Finger'	3.20
32 93 33 00-0288	EA	3	Gallon Schefflera arboricola 'Gold Finger'	7.31
32 93 33 00-0289	EA	1	Gallon Schefflera arboricola 'Trinette'	3.65
32 93 33 00-0290	EA	3	Gallon Schefflera arboricola 'Trinette'	8.22
32 93 33 00-0291	EA	7	Gallon Schefflera arboricola 'Trinette'	27.41
32 93 33 00-0292	EA	3	Gallon Schefflera arboricola 'Variegata'	8.22
32 93 33 00-0293	EA	1	Gallon Serenoa repens - Saw Palmetto	7.77
32 93 33 00-0294	EA	3	Gallon Serenoa repens - Saw Palmetto	24.67
32 93 33 00-0295	EA	7	Gallon Serenoa repens - Saw Palmetto	63.96
32 93 33 00-0296	EA	15	Gallon Serenoa repens - Saw Palmetto	82.23
32 93 33 00-0297	EA	1	Gallon Serenoa repens 'Cinerea' - Silver Saw Palm	7.31
32 93 33 00-0298	EA	3	Gallon Serenoa repens 'Cinerea' - Silver Saw Palm	21.93
32 93 33 00-0299	EA	7	Gallon Serenoa repens 'Cinerea' - Silver Saw Palm	45.69
32 93 33 00-0300	EA	10	Gallon Serenoa repens 'Cinerea' - Silver Saw Palm	63.96
32 93 33 00-0301	EA	3	Gallon Sophora tomentosa - Necklace Pod	9.14
32 93 33 00-0302	EA	10	Gallon Sophora tomentosa - Necklace Pod	54.82
32 93 33 00-0303	EA	3	Gallon Strelitzia reginae - Bird Of Paradise	11.88
32 93 33 00-0304	EA	7	Gallon Strelitzia reginae - Bird Of Paradise	27.41
32 93 33 00-0305	EA	10	Gallon Strelitzia reginae - Bird Of Paradise	45.69
32 93 33 00-0306	EA	15	Gallon Strelitzia reginae - Bird Of Paradise	63.96
32 93 33 00-0307	EA	1	Gallon Suriana maritime - Bay Cedar	6.40
32 93 33 00-0308	EA	3	Gallon Suriana maritime - Bay Cedar	13.71
32 93 33 00-0309	EA	1	Gallon Tabernaemontana - Pinwheel Jasmine	2.74
32 93 33 00-0310	EA	3	Gallon Tabernaemontana - Pinwheel Jasmine	7.31
32 93 33 00-0311	EA	7	Gallon Tabernaemontana - Pinwheel Jasmine	36.55
32 93 33 00-0312	EA	1	Gallon Tibouchina - Glory Bush	2.47
32 93 33 00-0313	EA	3	Gallon Tibouchina - Glory Bush	5.48
32 93 33 00-0314	EA	10	Gallon Tibouchina - Glory Bush	45.69
32 93 33 00-0315	EA	1	Gallon Trachelospermum jasminoides - Star Jasmine	2.28
32 93 33 00-0316	EA	3	Gallon Trachelospermum jasminoides - Star Jasmine	8.22
32 93 33 00-0317	EA	1	Gallon Trachelospermum jasminoides - Confederate Jasmine	4.11
32 93 33 00-0318	EA	3	Gallon Trachelospermum jasminoides - Confederate Jasmine	10.96
32 93 33 00-0319	EA	7	Gallon Trachelospermum jasminoides - Confederate Jasmine	45.69
32 93 33 00-0320	EA	1	Gallon Trachelospermum jasminoides - Dwarf Confederate Jasmine	4.11
32 93 33 00-0321	EA	3	Gallon Trachelospermum jasminoides - Dwarf Confederate Jasmine	10.96
32 93 33 00-0322	EA	1	Gallon Tripsacum dactyloid - Dwarf Fakahatchee Grass	2.47
32 93 33 00-0323	EA	3	Gallon Tripsacum dactyloid - Dwarf Fakahatchee Grass	8.22
32 93 33 00-0324	EA	1	Gallon Tripsacum floridana - Florida Gama Grass	2.83
32 93 33 00-0325	EA	3	Gallon Tripsacum floridana - Florida Gama Grass	6.85
32 93 33 00-0326	EA	3	Gallon Viburnum	6.40
32 93 33 00-0327	EA	3	Gallon Viburnum obovatum - Walter's Viburnum	8.68
32 93 33 00-0328	EA	7	Gallon Viburnum obovatum - Walter's Viburnum	27.41
32 93 33 00-0329	EA	10	Gallon Viburnum obovatum - Walter's Viburnum	45.69
32 93 33 00-0330	EA	25	Gallon Viburnum obovatum - Walter's Viburnum	91.37
32 93 33 00-0331	EA	1	Gallon Viburnum odoratissimum - Sweet Viburnum	2.28
32 93 33 00-0332	EA	3	Gallon Viburnum odoratissimum - Sweet Viburnum	6.85
32 93 33 00-0333	EA	7	Gallon Viburnum odoratissimum - Sweet Viburnum	31.98
32 93 33 00-0334	EA	3	Gallon Viburnum odoratissimum awabuki	6.40
32 93 33 00-0335	EA	7	Gallon Viburnum odoratissimum awabuki	27.41
32 93 33 00-0336	EA	10	Gallon Viburnum odoratissimum awabuki	45.69
32 93 33 00-0337	EA	3	Gallon Viburnum odoratissimum 'Red Luster'	7.31
32 93 33 00-0338	EA	7	Gallon Viburnum odoratissimum 'Red Luster'	27.41
32 93 33 00-0339	EA	1	Gallon Viburnum suspensum - Sandankwa Viburnum	2.28
32 93 33 00-0340	EA	3	Gallon Viburnum suspensum - Sandankwa Viburnum	6.85
32 93 33 00-0341	EA	7	Gallon Viburnum suspensum - Sandankwa Viburnum	32.89
32 93 33 00-0342	EA	10	Gallon Viburnum suspensum - Sandankwa Viburnum	45.69
32 93 33 00-0343	EA	15	Gallon Viburnum suspensum - Sandankwa Viburnum	63.96
32 93 33 00-0344	EA	25	Gallon Viburnum suspensum - Sandankwa Viburnum	118.78
32 93 33 00-0345	EA	1	Gallon Yucca aloifolia - Spanish Bayonet	14.62
32 93 33 00-0346	EA	7	Gallon Yucca aloifolia - Spanish Bayonet	27.41
32 93 33 00-0347	EA	1	Gallon Yucca filamentosa - Adam's Needle	4.57
32 93 33 00-0348	EA	3	Gallon Yucca filamentosa - Adam's Needle	12.79
32 93 33 00-0349	EA	1	Gallon Zamia floridana - Coontie	6.40
32 93 33 00-0350	EA	3	Gallon Zamia floridana - Coontie	18.28
32 93 33 00-0351	EA	1	Gallon Zamia furacea - Cardboard Plant	4.57
32 93 33 00-0352	EA	3	Gallon Zamia furacea - Cardboard Plant	18.27
32 93 33 00-0353	EA	7	Gallon Zamia furacea - Cardboard Plant	45.69
32 93 33 00-0354	EA	10	Gallon Zamia furacea - Cardboard Plant	63.96
32 93 33 00-0355	EA	15	Gallon Zamia furacea - Cardboard Plant	82.23
32 93 33 00-0356	EA	1	Gallon Zamia pumila - Coontie	7.31
32 93 33 00-0357	EA	3	Gallon Zamia pumila - Coontie	21.93

32 93 43 Trees (32 93)

Note: (cvs = cultivar) Materials only, excludes labor for planting.

32 93 43 00-0001 Trees (32 93 43)

Note: All trees listed by caliper of trunk or if height of tree are field grown and dug with spade, bagged, balled and delivered to site.

32 93 43 00-0002 Acacia farnesiana - Sweet Acacia (32 93 43 00-0001)

32 93 43 00-0003	EA	1	Gallon Acacia farnesiana - Sweet Acacia	3.65
32 93 43 00-0004	EA	3	Gallon Acacia farnesiana - Sweet Acacia	10.96
32 93 43 00-0005	EA	15	Gallon Acacia farnesiana - Sweet Acacia	91.37



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0006	EA	25 Gallon Acacia farnesiana - Sweet Acacia	127.92	
32 93 43 00-0007		Acer palmatum - Japanese Maple (32 93 43 00-0001)		
32 93 43 00-0008	EA	7 Gallon Acer palmatum - Japanese Maple	54.82	
32 93 43 00-0009	EA	10 Gallon Acer palmatum - Japanese Maple	73.10	
32 93 43 00-0010	EA	25 Gallon Acer palmatum - Japanese Maple	146.19	
32 93 43 00-0011	EA	65 Gallon Acer palmatum - Japanese Maple	365.48	
32 93 43 00-0012		Acer rubrum - Red Maple (32 93 43 00-0001)		
32 93 43 00-0013	EA	1 Gallon Acer rubrum - Red Maple	2.74	
32 93 43 00-0014	EA	3 Gallon Acer rubrum - Red Maple	7.31	
32 93 43 00-0015	EA	7 Gallon Acer rubrum - Red Maple	27.41	
32 93 43 00-0016	EA	10 Gallon Acer rubrum - Red Maple	50.25	
32 93 43 00-0017	EA	15 Gallon Acer rubrum - Red Maple	63.96	
32 93 43 00-0018	EA	20 Gallon Acer rubrum - Red Maple	73.10	
32 93 43 00-0019	EA	25 Gallon Acer rubrum - Red Maple	146.19	
32 93 43 00-0020	EA	30 Gallon Acer rubrum - Red Maple	155.33	
32 93 43 00-0021	EA	65 Gallon Acer rubrum - Red Maple	398.38	
32 93 43 00-0022		Acer saccharum floridanum - Florida Maple (32 93 43 00-0001)		
32 93 43 00-0023	EA	7 Gallon Acer saccharum floridanum - Florida Maple	31.98	
32 93 43 00-0024		Albizia julibrissin - Silk Tree (32 93 43 00-0001)		
32 93 43 00-0025	EA	15 Gallon Albizia julibrissin - Silk Tree	104.36	
32 93 43 00-0026		Annona glabra - Pond Apple (32 93 43 00-0001)		
32 93 43 00-0027	EA	1 Gallon Annona glabra - Pond Apple	3.20	
32 93 43 00-0028	EA	3 Gallon Annona glabra - Pond Apple	7.31	
32 93 43 00-0029	EA	7 Gallon Annona glabra - Pond Apple	27.41	
32 93 43 00-0030	EA	10 Gallon Annona glabra - Pond Apple	36.55	
32 93 43 00-0031	EA	15 Gallon Annona glabra - Pond Apple	45.69	
32 93 43 00-0032		Arbutus menziesii - Mandrone (32 93 43 00-0001)		
32 93 43 00-0033	EA	15 Gallon Arbutus menziesii - Mandrone	117.41	
32 93 43 00-0034		Bauhinia acuminata - Dwarf White Orchid (32 93 43 00-0001)		
32 93 43 00-0035	EA	15 Gallon Bauhinia acuminata - Dwarf White Orchid	76.75	
32 93 43 00-0036		Bauhinia x blakeana - Hong Kong Orchid (32 93 43 00-0001)		
32 93 43 00-0037	EA	15 Gallon Bauhinia x blakeana - Hong Kong Orchid	63.96	
32 93 43 00-0038	EA	25 Gallon Bauhinia x blakeana - Hong Kong Orchid	137.06	
32 93 43 00-0039	EA	60 Gallon Bauhinia x blakeana - Hong Kong Orchid	155.33	
32 93 43 00-0040		Bauhinia purpurea - Orchid Tree (32 93 43 00-0001)		
32 93 43 00-0041	EA	3 Gallon Bauhinia purpurea - Orchid Tree	6.85	
32 93 43 00-0042	EA	7 Gallon Bauhinia purpurea - Orchid Tree	16.45	
32 93 43 00-0043	EA	15 Gallon Bauhinia purpurea - Orchid Tree	63.96	
32 93 43 00-0044	EA	30 Gallon Bauhinia purpurea - Orchid Tree	173.60	
32 93 43 00-0045		Bauhinia variegata - Purple Orchid Tree (32 93 43 00-0001)		
32 93 43 00-0046	EA	15 Gallon Bauhinia variegata - Purple Orchid Tree	105.09	
32 93 43 00-0047		Betula nigra - River Birch (32 93 43 00-0001)		
32 93 43 00-0048	EA	15 Gallon Betula nigra - River Birch	73.10	
32 93 43 00-0049		Brachychiton acerifolia - Australian Flame Tree (32 93 43 00-0001)		
32 93 43 00-0050	EA	15 Gallon Brachychiton acerifolia - Australian Flame Tree	117.41	
32 93 43 00-0051		Bulnesia Arborea - Bulnesia (32 93 43 00-0001)		
32 93 43 00-0052	EA	7 Gallon Bulnesia arborea - Bulnesia	63.96	
32 93 43 00-0053	EA	10 Gallon Bulnesia arborea - Bulnesia	82.23	
32 93 43 00-0054	EA	15 Gallon Bulnesia arborea - Bulnesia	91.37	
32 93 43 00-0055	EA	20 Gallon Bulnesia arborea - Bulnesia	182.74	
32 93 43 00-0056	EA	25 Gallon Bulnesia arborea - Bulnesia	228.43	
32 93 43 00-0057	EA	45 Gallon Bulnesia arborea - Bulnesia	319.80	
32 93 43 00-0058	EA	65 Gallon Bulnesia arborea - Bulnesia	438.58	
32 93 43 00-0059		Bursera Simaruba - Gumbo Limbo (32 93 43 00-0001)		

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 43 00-0060	EA	1 Gallon Bursera simaruba - Gumbo Limbo.....	3.65	
32 93 43 00-0061	EA	3 Gallon Bursera simaruba - Gumbo Limbo.....	10.96	
32 93 43 00-0062	EA	7 Gallon Bursera simaruba - Gumbo Limbo.....	34.72	
32 93 43 00-0063	EA	10 Gallon Bursera simaruba - Gumbo Limbo.....	45.69	
32 93 43 00-0064	EA	15 Gallon Bursera simaruba - Gumbo Limbo.....	91.37	
32 93 43 00-0065	EA	25 Gallon Bursera simaruba - Gumbo Limbo.....	137.06	
32 93 43 00-0066	EA	30 Gallon Bursera simaruba - Gumbo Limbo.....	182.74	
32 93 43 00-0067	EA	45 Gallon Bursera simaruba - Gumbo Limbo.....	191.88	
32 93 43 00-0068	EA	7' To 8' Bursera simaruba - Gumbo Limbo.....	131.57	
32 93 43 00-0069	EA	9' To 10' Bursera simaruba - Gumbo Limbo.....	164.47	
32 93 43 00-0070	EA	11' To 12' Bursera simaruba - Gumbo Limbo.....	197.36	
32 93 43 00-0071	EA	13' To 14' Bursera simaruba - Gumbo Limbo.....	230.25	
32 93 43 00-0072	EA	15' To 16' Bursera simaruba - Gumbo Limbo.....	263.15	
32 93 43 00-0073	EA	17' To 18' Bursera simaruba - Gumbo Limbo.....	296.04	
32 93 43 00-0074	EA	19' To 20' Bursera simaruba - Gumbo Limbo.....	328.94	
32 93 43 00-0075		Caledendrum capense - Cape Chestnut (32 93 43 00-0001)		
32 93 43 00-0076	EA	15 Gallon Caledendrum capense - Cape Chestnut.....	117.41	
32 93 43 00-0077		Callistemon - Bottlebrush (32 93 43 00-0001)		
32 93 43 00-0078	EA	1 Gallon Callistemon - Bottlebrush.....	2.56	
32 93 43 00-0079	EA	7 Gallon Callistemon - Bottlebrush.....	36.55	
32 93 43 00-0080	EA	15 Gallon Callistemon - Bottlebrush.....	73.10	
32 93 43 00-0081	EA	25 Gallon Callistemon - Bottlebrush.....	118.78	
32 93 43 00-0082	EA	30 Gallon Callistemon - Bottlebrush.....	182.74	
32 93 43 00-0083	EA	3 Gallon Callistemon - Bottlebrush.....	7.31	
32 93 43 00-0084		Callistemon - Red Cluster (32 93 43 00-0001)		
32 93 43 00-0085	EA	3 Gallon Callistemon - Red Cluster.....	8.22	
32 93 43 00-0086	EA	7 Gallon Callistemon - Red Cluster.....	32.89	
32 93 43 00-0087	EA	10 Gallon Callistemon - Red Cluster.....	42.03	
32 93 43 00-0088	EA	15 Gallon Callistemon - Red Cluster.....	45.69	
32 93 43 00-0089	EA	25 Gallon Callistemon - Red Cluster.....	118.78	
32 93 43 00-0090	EA	30 Gallon Callistemon - Red Cluster.....	155.33	
32 93 43 00-0091		Callistemon citrinus - Lemon Bottlebrush (32 93 43 00-0001)		
32 93 43 00-0092	EA	15 Gallon Callistemon citrinus - Lemon Bottlebrush.....	93.41	
32 93 43 00-0093		Callistemon rigidus - Erect Bottlebrush (32 93 43 00-0001)		
32 93 43 00-0094	EA	3 Gallon Callistemon rigidus - Erect Bottlebrush.....	7.31	
32 93 43 00-0095	EA	7 Gallon Callistemon rigidus - Erect Bottlebrush.....	12.79	
32 93 43 00-0096	EA	15 Gallon Callistemon rigidus - Erect Bottlebrush.....	73.10	
32 93 43 00-0097	EA	30 Gallon Callistemon rigidus - Erect Bottlebrush.....	105.99	
32 93 43 00-0098		Callistemon viminalis - Weeping Bottlebrush (32 93 43 00-0001)		
32 93 43 00-0099	EA	1 Gallon Callistemon viminalis - Weeping Bottlebrush.....	7.31	
32 93 43 00-0100	EA	7 Gallon Callistemon viminalis - Weeping Bottlebrush.....	27.41	
32 93 43 00-0101	EA	10 Gallon Callistemon viminalis - Weeping Bottlebrush.....	45.69	
32 93 43 00-0102	EA	15 Gallon Callistemon viminalis - Weeping Bottlebrush.....	54.82	
32 93 43 00-0103		Cassia Fistula - Golden Shower (32 93 43 00-0001)		
32 93 43 00-0104	EA	1 Gallon Cassia Fistula - Golden Shower.....	3.20	
32 93 43 00-0105	EA	3 Gallon Cassia fistula - Golden Shower.....	14.62	
32 93 43 00-0106	EA	7 Gallon Cassia fistula - Golden Shower.....	45.69	
32 93 43 00-0107	EA	10 Gallon Cassia fistula - Golden Shower.....	54.82	
32 93 43 00-0108	EA	15 Gallon Cassia fistula - Golden Shower.....	109.65	
32 93 43 00-0109	EA	25 Gallon Cassia fistula - Golden Shower.....	127.92	
32 93 43 00-0110		Cedrus deodara - Deodar Cedar (32 93 43 00-0001)		
32 93 43 00-0111	EA	15 Gallon Cedrus deodara - Deodar Cedar.....	104.36	
32 93 43 00-0112		Cercis Occidentalis - Western Redbud (32 93 43 00-0001)		
32 93 43 00-0113	EA	Cercis Occidentalis - Western Redbud, 15 Gallon.....	73.10	
32 93 43 00-0114		Cinnamomum Camphorum - Camphor Tree (32 93 43 00-0001)		
32 93 43 00-0115	EA	15 Gallon Cinnamomum camphorum - Camphor Tree.....	104.36	
32 93 43 00-0116		Coccoloba Uvifera - Sea Grape (32 93 43 00-0001)		
32 93 43 00-0117	EA	3 Gallon Coccoloba uvifera - Sea Grape.....	7.31	
32 93 43 00-0118	EA	7 Gallon Coccoloba uvifera - Sea Grape.....	23.76	
32 93 43 00-0119	EA	10 Gallon Coccoloba uvifera - Sea Grape.....	45.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0120	EA		15 Gallon Coccoloba uvifera - Sea Grape	45.69	
32 93 43 00-0121	EA		20 Gallon Coccoloba uvifera - Sea Grape	82.23	
32 93 43 00-0122	EA		25 Gallon Coccoloba uvifera - Sea Grape	127.92	
32 93 43 00-0123	EA		30 Gallon Coccoloba uvifera - Sea Grape	118.78	
32 93 43 00-0124 Coccoloda diversifolia - Pigeon Plum (32 93 43 00-0001)					
32 93 43 00-0125	EA		3 Gallon Coccoloda diversifolia - Pigeon Plum	10.96	
32 93 43 00-0126	EA		10 Gallon Coccoloda diversifolia - Pigeon Plum	63.96	
32 93 43 00-0127	EA		15 Gallon Coccoloda diversifolia - Pigeon Plum	82.23	
32 93 43 00-0128	EA		25 Gallon Coccoloda diversifolia - Pigeon Plum	137.06	
32 93 43 00-0129	EA		30 Gallon Coccoloda diversifolia - Pigeon Plum	155.33	
32 93 43 00-0130	EA		45 Gallon Coccoloda diversifolia - Pigeon Plum	319.80	
32 93 43 00-0131	EA		65 Gallon Coccoloda diversifolia - Pigeon Plum	447.72	
32 93 43 00-0132	EA		7' To 8' Coccoloda diversifolia - Pigeon Plum	146.19	
32 93 43 00-0133	EA		9' To 10' Coccoloda diversifolia - Pigeon Plum	182.74	
32 93 43 00-0134	EA		11' To 12' Coccoloda diversifolia - Pigeon Plum	219.29	
32 93 43 00-0135	EA		13' To 14' Coccoloda diversifolia - Pigeon Plum	255.84	
32 93 43 00-0136 Concarpus erectus - Green Buttonwood (32 93 43 00-0001)					
32 93 43 00-0137	EA		1 Gallon Concarpus erectus - Green Buttonwood	3.65	
32 93 43 00-0138	EA		3 Gallon Concarpus erectus - Green Buttonwood	6.40	
32 93 43 00-0139	EA		7 Gallon Concarpus erectus - Green Buttonwood	27.41	
32 93 43 00-0140	EA		10 Gallon Concarpus erectus - Green Buttonwood	45.69	
32 93 43 00-0141	EA		15 Gallon Concarpus erectus - Green Buttonwood	54.82	
32 93 43 00-0142	EA		20 Gallon Concarpus erectus - Green Buttonwood	91.37	
32 93 43 00-0143	EA		25 Gallon Concarpus erectus - Green Buttonwood	118.78	
32 93 43 00-0144	EA		30 Gallon Concarpus erectus - Green Buttonwood	137.06	
32 93 43 00-0145	EA		45 Gallon Concarpus erectus - Green Buttonwood	274.11	
32 93 43 00-0146	EA		7' To 8' Concarpus erectus - Green Buttonwood	116.95	
32 93 43 00-0147	EA		9' To 10' Concarpus erectus - Green Buttonwood	146.19	
32 93 43 00-0148	EA		11' To 12' Concarpus erectus - Green Buttonwood	175.43	
32 93 43 00-0149	EA		13' To 14' Concarpus erectus - Green Buttonwood	204.67	
32 93 43 00-0150	EA		15' To 16' Concarpus erectus - Green Buttonwood	233.91	
32 93 43 00-0151	EA		17' To 18' Concarpus erectus - Green Buttonwood	263.15	
32 93 43 00-0152	EA		19 To 20' Concarpus erectus - Green Buttonwood	292.39	
32 93 43 00-0153 Concarpus erectus sericeus - Silver Buttonwood (32 93 43 00-0001)					
32 93 43 00-0154	EA		1 Gallon Concarpus erectus sericeus - Silver Buttonwood	2.28	
32 93 43 00-0155	EA		3 Gallon Concarpus erectus sericeus - Silver Buttonwood	7.31	
32 93 43 00-0156	EA		7 Gallon Concarpus erectus sericeus - Silver Buttonwood	23.76	
32 93 43 00-0157	EA		10 Gallon Concarpus erectus sericeus - Silver Buttonwood	45.69	
32 93 43 00-0158	EA		15 Gallon Concarpus erectus sericeus - Silver Buttonwood	54.82	
32 93 43 00-0159	EA		20 Gallon Concarpus erectus sericeus - Silver Buttonwood	109.65	
32 93 43 00-0160	EA		25 Gallon Concarpus erectus sericeus - Silver Buttonwood	118.78	
32 93 43 00-0161	EA		30 Gallon Concarpus erectus sericeus - Silver Buttonwood	127.92	
32 93 43 00-0162	EA		45 Gallon Concarpus erectus sericeus - Silver Buttonwood	164.47	
32 93 43 00-0163	EA		5' To 6' Concarpus erectus sericeus - Silver Buttonwood	109.65	
32 93 43 00-0164	EA		7' To 8' Concarpus erectus sericeus - Silver Buttonwood	146.19	
32 93 43 00-0165	EA		9' To 10' Concarpus erectus sericeus - Silver Buttonwood	182.74	
32 93 43 00-0166	EA		11' To 12' Concarpus erectus sericeus - Silver Buttonwood	219.29	
32 93 43 00-0167	EA		13' To 14' Concarpus erectus sericeus - Silver Buttonwood	255.84	
32 93 43 00-0168 Cordia sebestena - Geiger Tree (32 93 43 00-0001)					
32 93 43 00-0169	EA		3 Gallon Cordia sebestena - Geiger Tree	11.88	
32 93 43 00-0170	EA		7 Gallon Cordia sebestena - Geiger Tree	45.69	
32 93 43 00-0171	EA		15 Gallon Cordia sebestena - Geiger Tree	91.37	
32 93 43 00-0172	EA		25 Gallon Cordia sebestena - Geiger Tree	118.78	
32 93 43 00-0173	EA		8' To 9' Cordia sebestena - Geiger Tree	219.29	
32 93 43 00-0174	EA		10' To 12' Cordia sebestena - Geiger Tree	274.11	
32 93 43 00-0175 Crataegus phaenopyrum - Washington Hawthorn (32 93 43 00-0001)					
32 93 43 00-0176	EA		15 Gallon Crataegus phaenopyrum - Washington Hawthorn	112.10	
32 93 43 00-0177 Cupressocyparis leylandii - Leyland Cypress (32 93 43 00-0001)					
32 93 43 00-0178	EA		1 Gallon Cupressocyparis leylandii - Leyland Cypress	3.65	
32 93 43 00-0179	EA		3 Gallon Cupressocyparis leylandii - Leyland Cypress	9.14	
32 93 43 00-0180	EA		7 Gallon Cupressocyparis leylandii - Leyland Cypress	31.07	
32 93 43 00-0181	EA		10 Gallon Cupressocyparis leylandii - Leyland Cypress	45.69	
32 93 43 00-0182	EA		15 Gallon Cupressocyparis leylandii - Leyland Cypress	63.96	
32 93 43 00-0183	EA		25 Gallon Cupressocyparis leylandii - Leyland Cypress	146.19	
32 93 43 00-0184	EA		30 Gallon Cupressocyparis leylandii - Leyland Cypress	155.33	
32 93 43 00-0185	EA		45 Gallon Cupressocyparis leylandii - Leyland Cypress	301.52	
32 93 43 00-0186 Cyprinus sempervirens - Italian Cypress (32 93 43 00-0001)					
32 93 43 00-0187	EA		1 Gallon Cyprinus sempervirens - Italian Cypress	5.39	
32 93 43 00-0188	EA		3 Gallon Cyprinus sempervirens - Italian Cypress	14.16	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
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32 93 43 00-0189	EA	7 Gallon Cypressus sempervirens - Italian Cypress	45.69
32 93 43 00-0190	EA	10 Gallon Cypressus sempervirens - Italian Cypress	100.51
32 93 43 00-0191	EA	15 Gallon Cypressus sempervirens - Italian Cypress	155.33
32 93 43 00-0192	EA	20 Gallon Cypressus sempervirens - Italian Cypress	164.47
32 93 43 00-0193	EA	25 Gallon Cypressus sempervirens - Italian Cypress	228.43
32 93 43 00-0194	EA	30 Gallon Cypressus sempervirens - Italian Cypress	274.11
32 93 43 00-0195	EA	45 Gallon Cypressus sempervirens - Italian Cypress	548.23
32 93 43 00-0196		Delonix Regia - Royal Poinciana (32 93 43 00-0001)	
32 93 43 00-0197	EA	3 Gallon Delonix regia - Royal Poinciana.....	5.48
32 93 43 00-0198	EA	7 Gallon Delonix regia - Royal Poinciana.....	45.69
32 93 43 00-0199	EA	10 Gallon Delonix regia - Royal Poinciana.....	63.96
32 93 43 00-0200	EA	15 Gallon Delonix regia - Royal Poinciana.....	82.23
32 93 43 00-0201	EA	25 Gallon Delonix regia - Royal Poinciana.....	91.37
32 93 43 00-0202	EA	30 Gallon Delonix regia - Royal Poinciana.....	173.60
32 93 43 00-0203	EA	7' To 8' Delonix regia - Royal Poinciana	131.57
32 93 43 00-0204	EA	9' To 10' Delonix regia - Royal Poinciana	164.47
32 93 43 00-0205	EA	11' To 12' Delonix regia - Royal Poinciana	197.36
32 93 43 00-0206	EA	13' To 14' Delonix regia - Royal Poinciana	230.25
32 93 43 00-0207	EA	15' To 16' Delonix regia - Royal Poinciana	263.15
32 93 43 00-0208		Dracaena Reflexa - Song Of Jamaica (32 93 43 00-0001)	
32 93 43 00-0209	EA	14" To 18" Dracaena reflexa - Song Of Jamaica	5.03
32 93 43 00-0210	EA	18" To 22" Dracaena reflexa - Song Of Jamaica	7.77
32 93 43 00-0211	EA	2' To 3' Dracaena reflexa - Song Of Jamaica	10.96
32 93 43 00-0212	EA	5' To 6' Dracaena reflexa - Song Of Jamaica	82.23
32 93 43 00-0213	EA	6' To 7' Dracaena reflexa - Song Of Jamaica	182.74
32 93 43 00-0214		Eriobotrya japonica - Loquat (32 93 43 00-0001)	
32 93 43 00-0215	EA	7 Gallon Eriobotrya japonica - Loquat.....	27.41
32 93 43 00-0216	EA	15 Gallon Eriobotrya japonica - Loquat.....	63.96
32 93 43 00-0217	EA	25 Gallon Eriobotrya japonica - Loquat.....	137.06
32 93 43 00-0218	EA	30 Gallon Eriobotrya japonica - Loquat.....	155.33
32 93 43 00-0219	EA	45 Gallon Eriobotrya japonica - Loquat.....	228.43
32 93 43 00-0220	EA	50 Gallon Eriobotrya japonica - Loquat.....	246.70
32 93 43 00-0221	EA	6' To 8' Eriobotrya japonica - Loquat.....	116.95
32 93 43 00-0222	EA	8' To 10' Eriobotrya japonica - Loquat.....	146.19
32 93 43 00-0223		Erythrina variegata - Tiger's Paw (32 93 43 00-0001)	
32 93 43 00-0224	EA	15 Gallon Erythrina variegata - Tiger's Paw.....	73.10
32 93 43 00-0225		Ficus Refusa Nitida - Indian Laurel Fig (32 93 43 00-0001)	
32 93 43 00-0226	EA	15 Gallon Ficus refusa nitida - Indian Laurel Fig.....	93.41
32 93 43 00-0227		Geijera parviflora - Australian Willow (32 93 43 00-0001)	
32 93 43 00-0228	EA	15 Gallon Geijera parviflora - Australian Willow	100.42
32 93 43 00-0229		Ginkgo Biloba - Maidenhair Tree (32 93 43 00-0001)	
32 93 43 00-0230	EA	15 Gallon Ginkgo Biloba - Maidenhair Tree.....	125.24
32 93 43 00-0231		Gleditsia triacanthos inemis - Honey Locust (32 93 43 00-0001)	
32 93 43 00-0232	EA	15 Gallon Gleditsia triacanthos inemis - Honey Locust.....	105.09
32 93 43 00-0233		Ilex x attenuata - East Palatka (32 93 43 00-0001)	
32 93 43 00-0234	EA	1 Gallon Ilex x attenuata - East Palatka	2.92
32 93 43 00-0235	EA	3 Gallon Ilex x attenuata - East Palatka	54.82
32 93 43 00-0236	EA	10 Gallon Ilex x attenuata - East Palatka	54.82
32 93 43 00-0237	EA	15 Gallon Ilex x attenuata - East Palatka	63.96
32 93 43 00-0238	EA	25 Gallon Ilex x attenuata - East Palatka	146.19
32 93 43 00-0239	EA	30 Gallon Ilex x attenuata - East Palatka	155.33
32 93 43 00-0240	EA	45 Gallon Ilex x attenuata - East Palatka	319.80
32 93 43 00-0241	EA	65 Gallon Ilex x attenuata - East Palatka	493.40
32 93 43 00-0242		Ilex x attenuata - Savannah (32 93 43 00-0001)	
32 93 43 00-0243	EA	3 Gallon Ilex x attenuata - Savannah	7.13
32 93 43 00-0244	EA	7 Gallon Ilex x attenuata - Savannah	31.98
32 93 43 00-0245	EA	15 Gallon Ilex x attenuata - Savannah.....	73.10
32 93 43 00-0246	EA	30 Gallon Ilex x attenuata - Savannah.....	155.33
32 93 43 00-0247	EA	50 Gallon Ilex x attenuata - Savannah.....	274.11
32 93 43 00-0248	EA	65 Gallon Ilex x attenuata - Savannah.....	356.35



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32 93 43 00-0249 Ilex cassine - Dahoon Holly (32 93 43 00-0001)		
32 93 43 00-0250 EA 1 Gallon Ilex cassine - Dahoon Holly	3.20	
32 93 43 00-0251 EA 3 Gallon Ilex cassine - Dahoon Holly	8.22	
32 93 43 00-0252 EA 7 Gallon Ilex cassine - Dahoon Holly	27.41	
32 93 43 00-0253 EA 10 Gallon Ilex cassine - Dahoon Holly	45.69	
32 93 43 00-0254 EA 15 Gallon Ilex cassine - Dahoon Holly	52.08	
32 93 43 00-0255 EA 25 Gallon Ilex cassine - Dahoon Holly	137.06	
32 93 43 00-0256 EA 30 Gallon Ilex cassine - Dahoon Holly	155.33	
32 93 43 00-0257 Ilex cornuta 'Burdfordii' (32 93 43 00-0001)		
32 93 43 00-0258 EA 3 Gallon Ilex cornuta 'Burdfordii'	7.31	
32 93 43 00-0259 Ilex 'Nellie R. Stevens' (32 93 43 00-0001)		
32 93 43 00-0260 EA 3 Gallon Ilex 'Nellie R. Stevens'	8.22	
32 93 43 00-0261 EA 15 Gallon Ilex 'Nellie R. Stevens'	82.23	
32 93 43 00-0262 EA 25 Gallon Ilex 'Nellie R. Stevens'	146.19	
32 93 43 00-0263 EA 30 Gallon Ilex 'Nellie R. Stevens'	155.33	
32 93 43 00-0264 EA 50 Gallon Ilex 'Nellie R. Stevens'	338.07	
32 93 43 00-0265 EA 65 Gallon Ilex 'Nellie R. Stevens'	411.17	
32 93 43 00-0266 Ilex opaca - American Holly (32 93 43 00-0001)		
32 93 43 00-0267 EA 25 Gallon Ilex opaca - American Holly	137.06	
32 93 43 00-0268 Ilex vomitoria pendula - Weeping Yaupon (32 93 43 00-0001)		
32 93 43 00-0269 EA 3 Gallon Ilex vomitoria pendula - Weeping Yaupon	15.53	
32 93 43 00-0270 EA 7 Gallon Ilex vomitoria pendula - Weeping Yaupon	36.55	
32 93 43 00-0271 EA 15 Gallon Ilex vomitoria pendula - Weeping Yaupon	82.23	
32 93 43 00-0272 EA 25 Gallon Ilex vomitoria pendula - Weeping Yaupon	155.33	
32 93 43 00-0273 EA 30 Gallon Ilex vomitoria pendula - Weeping Yaupon	182.74	
32 93 43 00-0274 EA 50 Gallon Ilex vomitoria pendula - Weeping Yaupon	338.07	
32 93 43 00-0275 Ipomopsis rubra - Standing Cypress (32 93 43 00-0001)		
32 93 43 00-0276 EA 1 Quart Ipomopsis rubra - Standing Cypress	2.47	
32 93 43 00-0277 Jacaranda mimosifolia - Jacaranda (32 93 43 00-0001)		
32 93 43 00-0278 EA 1 Gallon Jacaranda mimosifolia - Jacaranda	4.57	
32 93 43 00-0279 EA 3 Gallon Jacaranda mimosifolia - Jacaranda	9.14	
32 93 43 00-0280 EA 7 Gallon Jacaranda mimosifolia - Jacaranda	31.98	
32 93 43 00-0281 EA 15 Gallon Jacaranda mimosifolia - Jacaranda	73.10	
32 93 43 00-0282 EA 25 Gallon Jacaranda mimosifolia - Jacaranda	118.78	
32 93 43 00-0283 EA 30 Gallon Jacaranda mimosifolia - Jacaranda	137.06	
32 93 43 00-0284 Jatropha (32 93 43 00-0001)		
32 93 43 00-0285 EA 3 Gallon Jatropha	8.22	
32 93 43 00-0286 EA 7 Gallon Jatropha	27.41	
32 93 43 00-0287 EA 10 Gallon Jatropha	54.82	
32 93 43 00-0288 EA 25 Gallon Jatropha	137.06	
32 93 43 00-0289 Jatropha integerrima 'Compacta' (32 93 43 00-0001)		
32 93 43 00-0290 EA 1 Gallon Jatropha integerrima 'Compacta'	4.57	
32 93 43 00-0291 EA 3 Gallon Jatropha integerrima 'Compacta'	39.29	
32 93 43 00-0292 EA 7 Gallon Jatropha integerrima 'Compacta'	31.98	
32 93 43 00-0293 EA 10 Gallon Jatropha integerrima 'Compacta'	31.98	
32 93 43 00-0294 EA 15 Gallon Jatropha integerrima 'Compacta'	54.82	
32 93 43 00-0295 EA 25 Gallon Jatropha integerrima 'Compacta'	91.37	
32 93 43 00-0296 Juniperus chinensis 'Torulosa' - Hollywood (32 93 43 00-0001)		
32 93 43 00-0297 EA 1 Gallon Juniperus chinensis 'Torulosa' - Hollywood	146.19	
32 93 43 00-0298 EA 3 Gallon Juniperus chinensis 'Torulosa' - Hollywood	12.34	
32 93 43 00-0299 EA 7 Gallon Juniperus chinensis 'Torulosa' - Hollywood	41.12	
32 93 43 00-0300 EA 10 Gallon Juniperus chinensis 'Torulosa' - Hollywood	54.82	
32 93 43 00-0301 EA 15 Gallon Juniperus chinensis 'Torulosa' - Hollywood	82.23	
32 93 43 00-0302 EA 25 Gallon Juniperus chinensis 'Torulosa' - Hollywood	118.78	
32 93 43 00-0303 EA 30 Gallon Juniperus chinensis 'Torulosa' - Hollywood	146.19	
32 93 43 00-0304 Juniperus silicicola - Southern Red Cedar (32 93 43 00-0001)		
32 93 43 00-0305 EA 3 Gallon Juniperus silicicola - Southern Red Cedar	9.14	
32 93 43 00-0306 EA 7 Gallon Juniperus silicicola - Southern Red Cedar	31.07	
32 93 43 00-0307 EA 15 Gallon Juniperus silicicola - Southern Red Cedar	63.96	
32 93 43 00-0308 EA 25 Gallon Juniperus silicicola - Southern Red Cedar	155.33	
32 93 43 00-0309 EA 30 Gallon Juniperus silicicola - Southern Red Cedar	164.47	
32 93 43 00-0310 EA 40 Gallon Juniperus silicicola - Southern Red Cedar	173.60	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
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32 93 43 00-0311	EA	5 Gallon Juniperus silicicola - Southern Red Cedar.....	23.76
32 93 43 00-0312		Koeireuteria Paniculata - Goldenrain Tree (32 93 43 00-0001)	
32 93 43 00-0313	EA	15 Gallon Koeireuteria paniculata - Goldenrain Tree.....	117.41
32 93 43 00-0314		Lagerstroemia - Muskogee (32 93 43 00-0001)	
32 93 43 00-0315	EA	10 Gallon Lagerstroemia - Muskogee.....	45.69
32 93 43 00-0316	EA	15 Gallon Lagerstroemia - Muskogee.....	63.96
32 93 43 00-0317	EA	25 Gallon Lagerstroemia - Muskogee.....	137.06
32 93 43 00-0318	EA	30 Gallon Lagerstroemia - Muskogee.....	164.47
32 93 43 00-0319	EA	7' To 8' Lagerstroemia - Muskogee.....	146.19
32 93 43 00-0320	EA	9' To 10' Lagerstroemia - Muskogee.....	182.74
32 93 43 00-0321	EA	11' To 12' Lagerstroemia - Muskogee.....	219.29
32 93 43 00-0322	EA	13' To 14' Lagerstroemia - Muskogee.....	255.84
32 93 43 00-0323	EA	15' To 16' Lagerstroemia - Muskogee.....	292.39
32 93 43 00-0324		Lagerstroemia indica - Crape Myrtle (32 93 43 00-0001)	
32 93 43 00-0325	EA	3 Gallon Lagerstroemia indica - Crape Myrtle.....	6.40
32 93 43 00-0326	EA	7 Gallon Lagerstroemia indica - Crape Myrtle.....	36.55
32 93 43 00-0327	EA	10 Gallon Lagerstroemia indica - Crape Myrtle.....	54.82
32 93 43 00-0328	EA	15 Gallon Lagerstroemia indica - Crape Myrtle.....	117.41
32 93 43 00-0329	EA	25 Gallon Lagerstroemia indica - Crape Myrtle.....	137.06
32 93 43 00-0330	EA	30 Gallon Lagerstroemia indica - Crape Myrtle.....	155.33
32 93 43 00-0331	EA	45 Gallon Lagerstroemia indica - Crape Myrtle.....	219.29
32 93 43 00-0332	EA	65 Gallon Lagerstroemia indica - Crape Myrtle.....	255.84
32 93 43 00-0333		Ligustrum - Privet (32 93 43 00-0001)	
32 93 43 00-0334	EA	3 Gallon Ligustrum - Privet.....	6.40
32 93 43 00-0335	EA	7 Gallon Ligustrum - Privet.....	18.27
32 93 43 00-0336	EA	15 Gallon Ligustrum - Privet.....	63.96
32 93 43 00-0337	EA	25 Gallon Ligustrum - Privet.....	146.19
32 93 43 00-0338	EA	30 Gallon Ligustrum - Privet.....	164.47
32 93 43 00-0339	EA	45 Gallon Ligustrum - Privet.....	274.11
32 93 43 00-0340	EA	65 Gallon Ligustrum - Privet.....	411.17
32 93 43 00-0341		Ligustrum japonicum - Wax/Japan Privet (32 93 43 00-0001)	
32 93 43 00-0342	EA	1 Gallon Ligustrum japonicum - Wax Leaf Or Japan Privet.....	2.10
32 93 43 00-0343	EA	3 Gallon Ligustrum japonicum - Wax Leaf Or Japan Privet.....	7.77
32 93 43 00-0344	EA	7 Gallon Ligustrum japonicum - Wax Leaf Or Japan Privet.....	27.41
32 93 43 00-0345	EA	15 Gallon Ligustrum japonicum - Wax Leaf Or Japan Privet.....	45.69
32 93 43 00-0346	EA	25 Gallon Ligustrum japonicum - Wax Leaf Or Japan Privet.....	137.06
32 93 43 00-0347	EA	30 Gallon Ligustrum japonicum - Wax Leaf Or Japan Privet.....	155.33
32 93 43 00-0348	EA	45 Gallon Ligustrum japonicum - Wax Leaf Or Japan Privet.....	283.25
32 93 43 00-0349	EA	65 Gallon Ligustrum japonicum - Wax Leaf Or Japan Privet.....	365.48
32 93 43 00-0350		Liquidambar styraciflua - Sweetgum (32 93 43 00-0001)	
32 93 43 00-0351	EA	1 Gallon Liquidambar styraciflua - Sweetgum.....	2.74
32 93 43 00-0352	EA	3 Gallon Liquidambar styraciflua - Sweetgum.....	7.77
32 93 43 00-0353	EA	7 Gallon Liquidambar styraciflua - Sweetgum.....	27.41
32 93 43 00-0354	EA	15 Gallon Liquidambar styraciflua - Sweetgum.....	65.42
32 93 43 00-0355	EA	25 Gallon Liquidambar styraciflua - Sweetgum.....	137.06
32 93 43 00-0356	EA	30 Gallon Liquidambar styraciflua - Sweetgum.....	145.28
32 93 43 00-0357	EA	40 Gallon Liquidambar styraciflua - Sweetgum.....	173.60
32 93 43 00-0358		Lyonothamnus Floribundus - Catalina Ironwood (32 93 43 00-0001)	
32 93 43 00-0359	EA	15 Gallon Lyonothamnus floribundus - Catalina Ironwood.....	117.41
32 93 43 00-0360		Lysiloma bahamensis - Wild Tamarind (32 93 43 00-0001)	
32 93 43 00-0361	EA	3 Gallon Lysiloma bahamensis - Wild Tamarind.....	10.96
32 93 43 00-0362	EA	7 Gallon Lysiloma bahamensis - Wild Tamarind.....	45.69
32 93 43 00-0363	EA	25 Gallon Lysiloma bahamensis - Wild Tamarind.....	118.78
32 93 43 00-0364	EA	5' To 6' Lysiloma bahamensis - Wild Tamarind.....	98.68
32 93 43 00-0365	EA	7' To 8' Lysiloma bahamensis - Wild Tamarind.....	131.57
32 93 43 00-0366	EA	9' To 10' Lysiloma bahamensis - Wild Tamarind.....	164.47
32 93 43 00-0367	EA	11' To 12' Lysiloma bahamensis - Wild Tamarind.....	197.36
32 93 43 00-0368		Magnolia (32 93 43 00-0001)	
32 93 43 00-0369	EA	15 Gallon Magnolia.....	73.10
32 93 43 00-0370	EA	40 Gallon Magnolia.....	274.11
32 93 43 00-0371		Magnolia grandiflora 'D.D. Blanchard' (32 93 43 00-0001)	
32 93 43 00-0372	EA	3 Gallon Magnolia grandiflora 'D.D. Blanchard'.....	18.27
32 93 43 00-0373	EA	15 Gallon Magnolia grandiflora 'D.D. Blanchard'.....	91.37



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32 93 43 00-0374 EA 25 Gallon Magnolia grandiflora 'D.D. Blanchard'	182.74	
32 93 43 00-0375 EA 30 Gallon Magnolia grandiflora 'D.D. Blanchard'	219.29	
32 93 43 00-0376 EA 45 Gallon Magnolia grandiflora 'D.D. Blanchard'	319.80	
32 93 43 00-0377 EA 65 Gallon Magnolia grandiflora 'D.D. Blanchard'	411.17	
32 93 43 00-0378 Magnolia grandiflora 'Little Gem' (32 93 43 00-0001)		
32 93 43 00-0379 EA 15 Gallon Magnolia grandiflora 'Little Gem'	91.37	
32 93 43 00-0380 EA 25 Gallon Magnolia grandiflora 'Little Gem'	182.74	
32 93 43 00-0381 EA 30 Gallon Magnolia grandiflora 'Little Gem'	219.29	
32 93 43 00-0382 EA 50 Gallon Magnolia grandiflora 'Little Gem'	456.86	
32 93 43 00-0383 Magnolia grandiflora - Southern Magnolia (32 93 43 00-0001)		
32 93 43 00-0384 EA 1 Gallon Magnolia grandiflora - Southern Magnolia	4.57	
32 93 43 00-0385 EA 3 Gallon Magnolia grandiflora - Southern Magnolia	9.14	
32 93 43 00-0386 EA 15 Gallon Magnolia grandiflora - Southern Magnolia	93.41	
32 93 43 00-0387 EA 25 Gallon Magnolia grandiflora - Southern Magnolia	155.33	
32 93 43 00-0388 EA 30 Gallon Magnolia grandiflora - Southern Magnolia	180.91	
32 93 43 00-0389 EA 50 Gallon Magnolia grandiflora - Southern Magnolia	338.07	
32 93 43 00-0390 EA 65 Gallon Magnolia grandiflora - Southern Magnolia	411.17	
32 93 43 00-0391 Magnolia virginiana - Sweet Bay (32 93 43 00-0001)		
32 93 43 00-0392 EA 1 Gallon Magnolia virginiana - Sweet Bay	2.74	
32 93 43 00-0393 EA 3 Gallon Magnolia virginiana - Sweet Bay	7.31	
32 93 43 00-0394 EA 7 Gallon Magnolia virginiana - Sweet Bay	31.98	
32 93 43 00-0395 EA 15 Gallon Magnolia virginiana - Sweet Bay	73.10	
32 93 43 00-0396 EA 25 Gallon Magnolia virginiana - Sweet Bay	118.78	
32 93 43 00-0397 EA 30 Gallon Magnolia virginiana - Sweet Bay	173.60	
32 93 43 00-0398 Melaleuca Leucadendra - Cajeput Tree (32 93 43 00-0001)		
32 93 43 00-0399 EA 15 Gallon Melaleuca leucadendra - Cajeput Tree	93.41	
32 93 43 00-0400 Melaleuca Linariifolia - Flaxleaf Paperback (32 93 43 00-0001)		
32 93 43 00-0401 EA 15 Gallon Melaleuca linariifolia - Flaxleaf Paperback	117.41	
32 93 43 00-0402 Metasequoia glyptostroboides - Dawn Redwood (32 93 43 00-0001)		
32 93 43 00-0403 EA 15 Gallon Metasequoia glyptostroboides - Dawn Redwood	93.41	
32 93 43 00-0404 Metrosideros tomentosas - New Zealand Christmas Tree (32 93 43 00-0001)		
32 93 43 00-0405 EA 15 Gallon Metrosideros tomentosas - New Zealand Christmas Tree	112.10	
32 93 43 00-0406 Myrica cerifera - Wax Myrtle (32 93 43 00-0001)		
32 93 43 00-0407 EA 1 Gallon Myrica cerifera - Wax Myrtle	2.74	
32 93 43 00-0408 EA 3 Gallon Myrica cerifera - Wax Myrtle	6.40	
32 93 43 00-0409 EA 7 Gallon Myrica cerifera - Wax Myrtle	27.41	
32 93 43 00-0410 EA 10 Gallon Myrica cerifera - Wax Myrtle	45.69	
32 93 43 00-0411 EA 15 Gallon Myrica cerifera - Wax Myrtle	54.82	
32 93 43 00-0412 EA 25 Gallon Myrica cerifera - Wax Myrtle	100.51	
32 93 43 00-0413 EA 30 Gallon Myrica cerifera - Wax Myrtle	137.06	
32 93 43 00-0414 EA 45 Gallon Myrica cerifera - Wax Myrtle	228.43	
32 93 43 00-0415 EA 65 Gallon Myrica cerifera - Wax Myrtle	246.70	
32 93 43 00-0416 Peltophorum dubium - Yellow Poinciana (32 93 43 00-0001)		
32 93 43 00-0417 EA 15 Gallon Peltophorum dubium - Yellow Poinciana	82.23	
32 93 43 00-0418 EA 25 Gallon Peltophorum dubium - Yellow Poinciana	118.78	
32 93 43 00-0419 EA 45 Gallon Peltophorum dubium - Yellow Poinciana	274.11	
32 93 43 00-0420 EA 9' To 10' Peltophorum dubium - Yellow Poinciana	164.47	
32 93 43 00-0421 EA 11' To 12' Peltophorum dubium - Yellow Poinciana	197.36	
32 93 43 00-0422 EA 13' To 14' Peltophorum dubium - Yellow Poinciana	230.25	
32 93 43 00-0423 EA 15' To 16' Peltophorum dubium - Yellow Poinciana	263.15	
32 93 43 00-0424 Peltophorum pterocarpum - Copperpod (32 93 43 00-0001)		
32 93 43 00-0425 EA 1 Gallon Peltophorum pterocarpum - Copperpod	5.48	
32 93 43 00-0426 EA 3 Gallon Peltophorum pterocarpum - Copperpod	13.71	
32 93 43 00-0427 EA 10 Gallon Peltophorum pterocarpum - Copperpod	45.69	
32 93 43 00-0428 EA 15 Gallon Peltophorum pterocarpum - Copperpod	82.23	
32 93 43 00-0429 EA 25 Gallon Peltophorum pterocarpum - Copperpod	137.06	
32 93 43 00-0430 EA 30 Gallon Peltophorum pterocarpum - Copperpod	164.47	
32 93 43 00-0431 EA 7' To 8' Peltophorum pterocarpum - Copperpod	116.95	
32 93 43 00-0432 EA 9' To 10' Peltophorum pterocarpum - Copperpod	146.19	
32 93 43 00-0433 EA 11' To 12' Peltophorum pterocarpum - Copperpod	175.43	
32 93 43 00-0434 EA 13' To 14' Peltophorum pterocarpum - Copperpod	204.67	
32 93 43 00-0435 EA 15' To 16' Peltophorum pterocarpum - Copperpod	233.91	
32 93 43 00-0436 EA 17' To 18' Peltophorum pterocarpum - Copperpod	263.15	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 43 00-0437	Pinus canariensis - Canary Island Pine (32 93 43 00-0001)		
32 93 43 00-0438	EA 15 Gallon Pinus canariensis - Canary Island Pine		117.41
32 93 43 00-0439	Pinus elliottii - Slash Pine (32 93 43 00-0001)		
32 93 43 00-0440	EA 1 Gallon Pinus elliottii - Slash Pine		3.20
32 93 43 00-0441	EA 3 Gallon Pinus elliottii - Slash Pine		7.31
32 93 43 00-0442	EA 7 Gallon Pinus elliottii - Slash Pine		27.41
32 93 43 00-0443	EA 10 Gallon Pinus elliottii - Slash Pine		45.69
32 93 43 00-0444	EA 15 Gallon Pinus elliottii - Slash Pine		54.82
32 93 43 00-0445	EA 25 Gallon Pinus elliottii - Slash Pine		137.06
32 93 43 00-0446	EA 30 Gallon Pinus elliottii - Slash Pine		146.19
32 93 43 00-0447	Pinus elliottii densa - South Florida Slash (32 93 43 00-0001)		
32 93 43 00-0448	EA 1 Gallon Pinus elliottii densa - South Florida Slash		2.74
32 93 43 00-0449	EA 3 Gallon Pinus elliottii densa - South Florida Slash		7.31
32 93 43 00-0450	EA 7 Gallon Pinus elliottii densa - South Florida Slash		36.55
32 93 43 00-0451	EA 10 Gallon Pinus elliottii densa - South Florida Slash		45.69
32 93 43 00-0452	EA 15 Gallon Pinus elliottii densa - South Florida Slash		63.96
32 93 43 00-0453	EA 25 Gallon Pinus elliottii densa - South Florida Slash		137.06
32 93 43 00-0454	EA 45 Gallon Pinus elliottii densa - South Florida Slash		264.98
32 93 43 00-0455	Pinus pinea - Italian Stone Pine (32 93 43 00-0001)		
32 93 43 00-0456	EA 15 Gallon Pinus pinea - Italian Stone Pine		117.41
32 93 43 00-0457	Pinus taeda - Loblolly Pine (32 93 43 00-0001)		
32 93 43 00-0458	EA 1 Gallon Pinus taeda - Loblolly Pine		2.74
32 93 43 00-0459	EA 3 Gallon Pinus taeda - Loblolly Pine		10.96
32 93 43 00-0460	EA 7 Gallon Pinus taeda - Loblolly Pine		36.55
32 93 43 00-0461	EA 15 Gallon Pinus taeda - Loblolly Pine		54.82
32 93 43 00-0462	EA 25 Gallon Pinus taeda - Loblolly Pine		137.06
32 93 43 00-0463	EA 30 Gallon Pinus taeda - Loblolly Pine		155.33
32 93 43 00-0464	Pistacia chinensis - Chinese Pistache (32 93 43 00-0001)		
32 93 43 00-0465	EA 15 Gallon Pistacia chinensis - Chinese Pistache		112.10
32 93 43 00-0466	Pittosporum undulatum - Victorian Box (32 93 43 00-0001)		
32 93 43 00-0467	EA 15 Gallon Pittosporum undulatum - Victorian Box		105.09
32 93 43 00-0468	Plantanus acerifolia - London Plane Tree (32 93 43 00-0001)		
32 93 43 00-0469	EA 15 Gallon Plantanus acerifolia - London Plane Tree		93.41
32 93 43 00-0470	Plantanus racemosa - California Sycamore (32 93 43 00-0001)		
32 93 43 00-0471	EA 15 Gallon Plantanus racemosa - California Sycamore		93.41
32 93 43 00-0472	Platanus - Sycamore (32 93 43 00-0001)		
32 93 43 00-0473	EA 7 Gallon Platanus - Sycamore		20.56
32 93 43 00-0474	EA 15 Gallon Platanus - Sycamore		63.96
32 93 43 00-0475	EA 30 Gallon Platanus - Sycamore		137.06
32 93 43 00-0476	Plumeria - Frangipani (32 93 43 00-0001)		
32 93 43 00-0477	EA 1 Gallon Plumeria - Frangipani		4.57
32 93 43 00-0478	EA 3 Gallon Plumeria - Frangipani		13.71
32 93 43 00-0479	EA 7 Gallon Plumeria - Frangipani		45.69
32 93 43 00-0480	EA 10 Gallon Plumeria - Frangipani		100.51
32 93 43 00-0481	EA 15 Gallon Plumeria - Frangipani		109.65
32 93 43 00-0482	EA 20 Gallon Plumeria - Frangipani		137.06
32 93 43 00-0483	EA 25 Gallon Plumeria - Frangipani		182.74
32 93 43 00-0484	EA 3' To 4' Plumeria - Frangipani		87.72
32 93 43 00-0485	EA 5' To 6' Plumeria - Frangipani		131.57
32 93 43 00-0486	EA 7' To 8' Plumeria - Frangipani		175.43
32 93 43 00-0487	Podocarpus gracilior - Weeping (32 93 43 00-0001)		
32 93 43 00-0488	EA 7 Gallon Podocarpus gracilior - Weeping		54.82
32 93 43 00-0489	EA 10 Gallon Podocarpus gracilior - Weeping		118.78
32 93 43 00-0490	EA 15 Gallon Podocarpus gracilior - Weeping		135.23
32 93 43 00-0491	EA 25 Gallon Podocarpus gracilior - Weeping		155.33
32 93 43 00-0492	Pongamia pinnata - Pongam (32 93 43 00-0001)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0493	EA		7 Gallon Pongamia pinnata - Pongam	22.84	
32 93 43 00-0494	EA		25 Gallon Pongamia pinnata - Pongam	137.06	
32 93 43 00-0495	EA		7' To 8' Pongamia pinnata - Pongam.....	116.95	
32 93 43 00-0496	EA		9' To 10' Pongamia pinnata - Pongam.....	146.19	
32 93 43 00-0497	EA		11' To 12' Pongamia pinnata - Pongam.....	175.43	
32 93 43 00-0498	EA		13' To 14' Pongamia pinnata - Pongam.....	204.67	
32 93 43 00-0499			Psidium littorale - Cattley Guava (32 93 43 00-0001)		
32 93 43 00-0500	EA		3 Gallon Psidium littorale - Cattley Guava	7.31	
32 93 43 00-0501	EA		7 Gallon Psidium littorale - Cattley Guava	27.41	
32 93 43 00-0502	EA		10 Gallon Psidium littorale - Cattley Guava	45.69	
32 93 43 00-0503	EA		15 Gallon Psidium littorale - Cattley Guava	82.23	
32 93 43 00-0504	EA		25 Gallon Psidium littorale - Cattley Guava	137.06	
32 93 43 00-0505	EA		45 Gallon Psidium littorale - Cattley Guava	228.43	
32 93 43 00-0506	EA		5' To 6' Psidium littorale - Cattley Guava	87.72	
32 93 43 00-0507	EA		7' To 8' Psidium littorale - Cattley Guava	116.95	
32 93 43 00-0508	EA		9' To 10' Psidium littorale - Cattley Guava	146.19	
32 93 43 00-0509	EA		11' To 12' Psidium littorale - Cattley Guava	175.43	
32 93 43 00-0510			Pyrus calleryana - Bradford Pear (32 93 43 00-0001)		
32 93 43 00-0511	EA		15 Gallon Pyrus calleryana - Bradford Pear.....	93.41	
32 93 43 00-0512			Pyrus kawakamii - Evergreen Pear (32 93 43 00-0001)		
32 93 43 00-0513	EA		15 Gallon Pyrus kawakamii - Evergreen Pear	93.41	
32 93 43 00-0514			Quercus agrifolia - Coast Live Oak (32 93 43 00-0001)		
32 93 43 00-0515	EA		15 Gallon Quercus agrifolia - Coast Live Oak.....	100.42	
32 93 43 00-0516			Quercus geminata - Sand Live Oak (32 93 43 00-0001)		
32 93 43 00-0517	EA		3 Gallon Quercus geminata - Sand Live Oak.....	13.71	
32 93 43 00-0518			Quercus hemisphaerica - Laurel Oak (32 93 43 00-0001)		
32 93 43 00-0519	EA		1 Gallon Quercus hemisphaerica - Laurel Oak.....	2.74	
32 93 43 00-0520	EA		3 Gallon Quercus hemisphaerica - Laurel Oak.....	8.22	
32 93 43 00-0521	EA		10 Gallon Quercus hemisphaerica - Laurel Oak.....	36.55	
32 93 43 00-0522	EA		20 Gallon Quercus hemisphaerica - Laurel Oak.....	63.96	
32 93 43 00-0523	EA		30 Gallon Quercus hemisphaerica - Laurel Oak.....	146.19	
32 93 43 00-0524	EA		45 Gallon Quercus hemisphaerica - Laurel Oak.....	411.17	
32 93 43 00-0525			Quercus ilex - Holly Oak (32 93 43 00-0001)		
32 93 43 00-0526	EA		15 Gallon Quercus ilex - Holly Oak.....	112.19	
32 93 43 00-0527			Quercus suber - Cork Oak (32 93 43 00-0001)		
32 93 43 00-0528	EA		15 Gallon Quercus suber - Cork Oak.....	100.42	
32 93 43 00-0529			Quercus virginiana - Live Oak (32 93 43 00-0001)		
32 93 43 00-0530	EA		1 Gallon Quercus virginiana - Live Oak	2.74	
32 93 43 00-0531	EA		3 Gallon Quercus virginiana - Live Oak	13.71	
32 93 43 00-0532	EA		7 Gallon Quercus virginiana - Live Oak	27.41	
32 93 43 00-0533	EA		10 Gallon Quercus virginiana - Live Oak	63.96	
32 93 43 00-0534	EA		15 Gallon Quercus virginiana - Live Oak	73.10	
32 93 43 00-0535	EA		25 Gallon Quercus virginiana - Live Oak	155.33	
32 93 43 00-0536	EA		30 Gallon Quercus virginiana - Live Oak	164.47	
32 93 43 00-0537	EA		45 Gallon Quercus virginiana - Live Oak	274.11	
32 93 43 00-0538	EA		65 Gallon Quercus virginiana - Live Oak	411.17	
32 93 43 00-0539	EA		7' To 8' Quercus virginiana - Live Oak	146.19	
32 93 43 00-0540	EA		9' To 10' Quercus virginiana - Live Oak	182.74	
32 93 43 00-0541	EA		11' To 12' Quercus virginiana - Live Oak	219.29	
32 93 43 00-0542	EA		13' To 14' Quercus virginiana - Live Oak	255.84	
32 93 43 00-0543	EA		15' To 16' Quercus virginiana - Live Oak	292.39	
32 93 43 00-0544	EA		17' To 18' Quercus virginiana - Live Oak	328.94	
32 93 43 00-0545			Rhaphiolepis - Majestic Beauty (32 93 43 00-0001)		
32 93 43 00-0546	EA		3 Gallon Rhaphiolepis - Majestic Beauty	9.14	
32 93 43 00-0547	EA		7 Gallon Rhaphiolepis - Majestic Beauty	36.55	
32 93 43 00-0548	EA		15 Gallon Rhaphiolepis - Majestic Beauty	155.33	
32 93 43 00-0549			Salix babylonica - Weeping Willow (32 93 43 00-0001)		
32 93 43 00-0550	EA		15 Gallon Salix babylonica - Weeping Willow	73.10	
32 93 43 00-0551	EA		25 Gallon Salix babylonica - Weeping Willow	155.33	
32 93 43 00-0552	EA		30 Gallon Salix babylonica - Weeping Willow	160.81	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 43 00-0553	EA	40 Gallon Salix babylonica - Weeping Willow	228.43
32 93 43 00-0554	EA	65 Gallon Salix babylonica - Weeping Willow	411.17
32 93 43 00-0555		Simarouba glauca - Paradise Tree (32 93 43 00-0001)	
32 93 43 00-0556	EA	1 Gallon Simarouba glauca - Paradise Tree	5.48
32 93 43 00-0557	EA	3 Gallon Simarouba glauca - Paradise Tree	11.88
32 93 43 00-0558	EA	7 Gallon Simarouba glauca - Paradise Tree	45.69
32 93 43 00-0559	EA	10 Gallon Simarouba glauca - Paradise Tree	54.82
32 93 43 00-0560	EA	15 Gallon Simarouba glauca - Paradise Tree	63.96
32 93 43 00-0561	EA	25 Gallon Simarouba glauca - Paradise Tree	91.37
32 93 43 00-0562	EA	7' To 8' Simarouba glauca - Paradise Tree	131.57
32 93 43 00-0563	EA	9' To 10' Simarouba glauca - Paradise Tree	164.47
32 93 43 00-0564		Stenocarpus sinuatus - Firewheel Tree (32 93 43 00-0001)	
32 93 43 00-0565	EA	15 Gallon Stenocarpus sinuatus - Firewheel Tree	125.24
32 93 43 00-0566		Strelitzia nicolai - White Bird of Paradise (32 93 43 00-0001)	
32 93 43 00-0567	EA	1 Gallon Strelitzia nicolai - White Bird of Paradise	2.74
32 93 43 00-0568	EA	3 Gallon Strelitzia nicolai - White Bird of Paradise	13.71
32 93 43 00-0569	EA	7 Gallon Strelitzia nicolai - White Bird of Paradise	36.55
32 93 43 00-0570	EA	10 Gallon Strelitzia nicolai - White Bird of Paradise	45.69
32 93 43 00-0571	EA	15 Gallon Strelitzia nicolai - White Bird of Paradise	73.10
32 93 43 00-0572	EA	20 Gallon Strelitzia nicolai - White Bird of Paradise	137.06
32 93 43 00-0573	EA	25 Gallon Strelitzia nicolai - White Bird of Paradise	155.33
32 93 43 00-0574	EA	45 Gallon Strelitzia nicolai - White Bird of Paradise	219.29
32 93 43 00-0575	EA	65 Gallon Strelitzia nicolai - White Bird of Paradise	411.17
32 93 43 00-0576		Swietenia mahoganii - Mahogany (32 93 43 00-0001)	
32 93 43 00-0577	EA	1 Gallon Swietenia mahoganii - Mahogany	2.74
32 93 43 00-0578	EA	3 Gallon Swietenia mahoganii - Mahogany	7.31
32 93 43 00-0579	EA	7 Gallon Swietenia mahoganii - Mahogany	27.41
32 93 43 00-0580	EA	10 Gallon Swietenia mahoganii - Mahogany	54.82
32 93 43 00-0581	EA	15 Gallon Swietenia mahoganii - Mahogany	91.37
32 93 43 00-0582	EA	20 Gallon Swietenia mahoganii - Mahogany	109.65
32 93 43 00-0583	EA	25 Gallon Swietenia mahoganii - Mahogany	127.92
32 93 43 00-0584	EA	30 Gallon Swietenia mahoganii - Mahogany	137.06
32 93 43 00-0585	EA	45 Gallon Swietenia mahoganii - Mahogany	237.56
32 93 43 00-0586	EA	50 Gallon Swietenia mahoganii - Mahogany	274.11
32 93 43 00-0587	EA	7' To 8' Swietenia mahoganii - Mahogany	146.19
32 93 43 00-0588	EA	9' To 10' Swietenia mahoganii - Mahogany	182.74
32 93 43 00-0589	EA	11' To 12' Swietenia mahoganii - Mahogany	219.29
32 93 43 00-0590	EA	13' To 14' Swietenia mahoganii - Mahogany	255.84
32 93 43 00-0591	EA	15' To 16' Swietenia mahoganii - Mahogany	292.39
32 93 43 00-0592	EA	17' To 18' Swietenia mahoganii - Mahogany	328.94
32 93 43 00-0593		Tabebuia impetiginosa - Silver Tabebuia (32 93 43 00-0001)	
32 93 43 00-0594	EA	3 Gallon Tabebuia caraiba - Silver Trumpet	7.31
32 93 43 00-0595	EA	7 Gallon Tabebuia caraiba - Silver Trumpet	25.58
32 93 43 00-0596	EA	15 Gallon Tabebuia caraiba - Silver Trumpet	73.10
32 93 43 00-0597	EA	25 Gallon Tabebuia caraiba - Silver Trumpet	118.78
32 93 43 00-0598	EA	45 Gallon Tabebuia caraiba - Silver Trumpet	164.47
32 93 43 00-0599	EA	10' To 11' Tabebuia caraiba - Silver Trumpet	164.47
32 93 43 00-0600	EA	11' To 12' Tabebuia caraiba - Silver Trumpet	197.36
32 93 43 00-0601	EA	13' To 14' Tabebuia caraiba - Silver Trumpet	230.25
32 93 43 00-0602	EA	15' To 16' Tabebuia caraiba - Silver Trumpet	263.15
32 93 43 00-0603		Tabebuia chrysotricha - Golden Trumpet Tree (32 93 43 00-0001)	
32 93 43 00-0604	EA	1 Gallon Tabebuia chrysotricha - Golden Trumpet Tree	3.65
32 93 43 00-0605	EA	3 Gallon Tabebuia chrysotricha - Golden Trumpet Tree	9.14
32 93 43 00-0606	EA	7 Gallon Tabebuia chrysotricha - Golden Trumpet Tree	32.89
32 93 43 00-0607	EA	15 Gallon Tabebuia chrysotricha - Golden Trumpet Tree	73.10
32 93 43 00-0608	EA	20 Gallon Tabebuia chrysotricha - Golden Trumpet Tree	91.37
32 93 43 00-0609	EA	25 Gallon Tabebuia chrysotricha - Golden Trumpet Tree	118.78
32 93 43 00-0610	EA	30 Gallon Tabebuia chrysotricha - Golden Trumpet Tree	137.06
32 93 43 00-0611	EA	45 Gallon Tabebuia chrysotricha - Golden Trumpet Tree	178.17
32 93 43 00-0612	EA	65 Gallon Tabebuia chrysotricha - Golden Trumpet Tree	328.94
32 93 43 00-0613	EA	7' To 8' Tabebuia chrysotricha - Golden Trumpet Tree	116.95
32 93 43 00-0614	EA	9' To 10' Tabebuia chrysotricha - Golden Trumpet Tree	146.19
32 93 43 00-0615	EA	11' To 12' Tabebuia chrysotricha - Golden Trumpet Tree	175.43
32 93 43 00-0616	EA	13' To 14' Tabebuia chrysotricha - Golden Trumpet Tree	204.67
32 93 43 00-0617	EA	15' To 16' Tabebuia chrysotricha - Golden Trumpet Tree	233.91
32 93 43 00-0618	EA	17' To 18' Tabebuia chrysotricha - Golden Trumpet Tree	263.15
32 93 43 00-0619	EA	19' To 20' Tabebuia chrysotricha - Golden Trumpet Tree	292.39
32 93 43 00-0620		Tabebuia heterophylla - Pink Trumpet Tree (32 93 43 00-0001)	
32 93 43 00-0621	EA	1 Gallon Tabebuia heterophylla - Pink Trumpet Tree	3.65



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 93 43 00-0622	EA	3 Gallon Tabebuia heterophylla - Pink Trumpet Tree	9.14	
	32 93 43 00-0623	EA	7 Gallon Tabebuia heterophylla - Pink Trumpet Tree	32.89	
	32 93 43 00-0624	EA	15 Gallon Tabebuia heterophylla - Pink Trumpet Tree	73.10	
	32 93 43 00-0625	EA	20 Gallon Tabebuia heterophylla - Pink Trumpet Tree	91.37	
	32 93 43 00-0626	EA	25 Gallon Tabebuia heterophylla - Pink Trumpet Tree	118.78	
	32 93 43 00-0627	EA	30 Gallon Tabebuia heterophylla - Pink Trumpet Tree	137.06	
	32 93 43 00-0628	EA	45 Gallon Tabebuia heterophylla - Pink Trumpet Tree	178.17	
	32 93 43 00-0629	EA	65 Gallon Tabebuia heterophylla - Pink Trumpet Tree	328.94	
	32 93 43 00-0630	EA	7' To 8' Tabebuia heterophylla - Pink Trumpet Tree	116.95	
	32 93 43 00-0631	EA	9' To 10' Tabebuia heterophylla - Pink Trumpet Tree	146.19	
	32 93 43 00-0632	EA	11' To 12' Tabebuia heterophylla - Pink Trumpet Tree	175.43	
	32 93 43 00-0633	EA	13' To 14' Tabebuia heterophylla - Pink Trumpet Tree	204.67	
	32 93 43 00-0634	EA	15' To 16' Tabebuia heterophylla - Pink Trumpet Tree	233.91	
	32 93 43 00-0635	EA	17' To 18' Tabebuia heterophylla - Pink Trumpet Tree	263.15	
	32 93 43 00-0636	EA	19' To 20' Tabebuia heterophylla - Pink Trumpet Tree	292.39	
	32 93 43 00-0637		Taxodium distichum - Bald Cypress (32 93 43 00-0001)		
	32 93 43 00-0638	EA	1 Gallon Taxodium distichum - Bald Cypress	2.74	
	32 93 43 00-0639	EA	3 Gallon Taxodium distichum - Bald Cypress	7.31	
	32 93 43 00-0640	EA	7 Gallon Taxodium distichum - Bald Cypress	25.58	
	32 93 43 00-0641	EA	10 Gallon Taxodium distichum - Bald Cypress	45.69	
	32 93 43 00-0642	EA	15 Gallon Taxodium distichum - Bald Cypress	54.82	
	32 93 43 00-0643	EA	25 Gallon Taxodium distichum - Bald Cypress	155.33	
	32 93 43 00-0644	EA	30 Gallon Taxodium distichum - Bald Cypress	6.96	
	32 93 43 00-0645	EA	45 Gallon Taxodium distichum - Bald Cypress	228.43	
	32 93 43 00-0646	EA	65 Gallon Taxodium distichum - Bald Cypress	338.07	
	32 93 43 00-0647	EA	90 Gallon Taxodium distichum - Bald Cypress	548.23	
	32 93 43 00-0648		Tecoma stans - Yellow Elm (32 93 43 00-0001)		
	32 93 43 00-0649	EA	3 Gallon Tecoma stans - Yellow Elm	9.14	
	32 93 43 00-0650	EA	7 Gallon Tecoma stans - Yellow Elm	31.98	
	32 93 43 00-0651	EA	15 Gallon Tecoma stans - Yellow Elm	63.96	
	32 93 43 00-0652	EA	25 Gallon Tecoma stans - Yellow Elm	91.37	
	32 93 43 00-0653		Tipuana tipu - Tipu (32 93 43 00-0001)		
	32 93 43 00-0654	EA	15 Gallon Tipuana tipu - Tipu	125.24	
	32 93 43 00-0655		Tristania conferta - Brisbane Box (32 93 43 00-0001)		
	32 93 43 00-0656	EA	15 Gallon Tristania conferta - Brisbane Box	105.09	
	32 93 43 00-0657		Ulmus american - American Elm (32 93 43 00-0001)		
	32 93 43 00-0658	EA	3 Gallon Ulmus american - American Elm	8.22	
	32 93 43 00-0659	EA	10 Gallon Ulmus american - American Elm	36.55	
	32 93 43 00-0660	EA	25 Gallon Ulmus american - American Elm	137.06	
	32 93 43 00-0661	EA	30 Gallon Ulmus american - American Elm	155.33	
	32 93 43 00-0662		Ulmus american floridana - Florida Elm (32 93 43 00-0001)		
	32 93 43 00-0663	EA	3 Gallon Ulmus american floridana - Florida Elm	8.22	
	32 93 43 00-0664	EA	7 Gallon Ulmus american floridana - Florida Elm	36.55	
	32 93 43 00-0665	EA	15 Gallon Ulmus american floridana - Florida Elm	63.96	
	32 93 43 00-0666		Ulmus parvifolia - Chinese Evergreen Elm (32 93 43 00-0001)		
	32 93 43 00-0667	EA	15 Gallon Ulmus parvifolia - Chinese Evergreen Elm	100.42	
	32 93 43 00-0668		Ulmus parvifolia - Drake Elm (32 93 43 00-0001)		
	32 93 43 00-0669	EA	15 Gallon Ulmus parvifolia - Drake	63.96	
	32 93 43 00-0670	EA	25 Gallon Ulmus parvifolia - Drake	155.33	
	32 93 43 00-0671	EA	30 Gallon Ulmus parvifolia - Drake	173.60	
	32 93 43 00-0672	EA	45 Gallon Ulmus parvifolia - Drake	301.52	
	32 93 43 00-0673	EA	65 Gallon Ulmus parvifolia - Drake	338.07	
	32 93 43 00-0674	EA	100 Gallon Ulmus parvifolia - Drake	456.86	
	32 93 43 00-0675		Yucca elephantipes - Soft-Tip/Spineless (32 93 43 00-0001)		
	32 93 43 00-0676	EA	3 Gallon Yucca elephantipes - Soft-Tip, Spineless	9.14	
	32 93 43 00-0677	EA	15 Gallon Yucca elephantipes - Soft-Tip, Spineless	151.68	
	32 93 43 00-0678		Zelkova serrata - Zelcova (32 93 43 00-0001)		
	32 93 43 00-0679	EA	15 Gallon Zelkova serrata - Zelcova	112.19	
	32 93 43 00-0680		Ulmus alata - Winged Elm (32 93 43 00-0001)		
	32 93 43 00-0681	EA	3 Gallon Ulmus alata - Winged Elm	8.22	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 43 00-0682	EA	7 Gallon Ulmus alata - Winged Elm	34.16
32 93 43 00-0683	EA	15 Gallon Ulmus alata - Winged Elm	63.96
32 93 43 00-0684	EA	25 Gallon Ulmus alata - Winged Elm	146.20
32 93 43 00-0685	EA	45 Gallon Ulmus alata - Winged Elm	228.44
32 93 43 00-0686		Palms <small>(32 93 43)</small>	
		Note: All trees listed by caliper of trunk or lf height of tree are field grown and dug with spade, bagged, balled and delivered to site.	
32 93 43 00-0687		Acoelorrhaphe wrightii - Paurotis Palm <small>(32 93 43 00-0686)</small>	
32 93 43 00-0688	EA	5' To 6' Acoelorrhaphe wrightii - Paurotis Palm	109.65
32 93 43 00-0689	EA	7' To 8' Acoelorrhaphe wrightii - Paurotis Palm	146.20
32 93 43 00-0690	EA	9' To 10' Acoelorrhaphe wrightii - Paurotis Palm	182.76
32 93 43 00-0691	EA	11' To 12' Acoelorrhaphe wrightii - Paurotis Palm	219.31
32 93 43 00-0692	EA	13' To 14' Acoelorrhaphe wrightii - Paurotis Palm	383.79
32 93 43 00-0693	EA	15' To 16' Acoelorrhaphe wrightii - Paurotis Palm	438.61
32 93 43 00-0694	EA	17' To 18' Acoelorrhaphe wrightii - Paurotis Palm	657.92
32 93 43 00-0695	EA	19' To 20' Acoelorrhaphe wrightii - Paurotis Palm	731.02
32 93 43 00-0696		Adonidia Merrillii - Christmas Palm <small>(32 93 43 00-0686)</small>	
32 93 43 00-0697	EA	1 Gallon Adonidia merrillii - Christmas Palm	3.20
32 93 43 00-0698	EA	3 Gallon Adonidia merrillii - Christmas Palm	8.22
32 93 43 00-0699	EA	7 Gallon Adonidia merrillii - Christmas Palm	25.59
32 93 43 00-0700	EA	10 Gallon Adonidia merrillii - Christmas Palm	45.69
32 93 43 00-0701	EA	15 Gallon Adonidia merrillii - Christmas Palm	82.24
32 93 43 00-0702	EA	25 Gallon Adonidia merrillii - Christmas Palm	155.34
32 93 43 00-0703	EA	5' To 6' Adonidia merrillii - Christmas Palm	109.65
32 93 43 00-0704	EA	7' To 8' Adonidia merrillii - Christmas Palm	175.45
32 93 43 00-0705	EA	9' To 10' Adonidia merrillii - Christmas Palm	219.31
32 93 43 00-0706	EA	11' To 12' Adonidia merrillii - Christmas Palm	285.10
32 93 43 00-0707	EA	13' To 14' Adonidia merrillii - Christmas Palm	332.62
32 93 43 00-0708		Archontophoenix Alexandrae - Alexandra <small>(32 93 43 00-0686)</small>	
32 93 43 00-0709	EA	7' To 8' Archontophoenix alexandrae - Alexandra	146.20
32 93 43 00-0710	EA	9' To 10' Archontophoenix alexandrae - Alexandra	182.76
32 93 43 00-0711	EA	11' To 12' Archontophoenix alexandrae - Alexandra	219.31
32 93 43 00-0712	EA	13' To 14' Archontophoenix alexandrae - Alexandra	255.86
32 93 43 00-0713	EA	15' To 16' Archontophoenix alexandrae - Alexandra	380.13
32 93 43 00-0714	EA	17' To 18' Archontophoenix alexandrae - Alexandra	427.65
32 93 43 00-0715	EA	19' To 20' Archontophoenix alexandrae - Alexandra	475.17
32 93 43 00-0716	EA	21' To 22' Archontophoenix alexandrae - Alexandra	522.68
32 93 43 00-0717		Archontophoenix Cunninghamiana - Piccabeen <small>(32 93 43 00-0686)</small>	
32 93 43 00-0718	EA	5 Gallon Archontophoenix cunninghamiana - Piccabeen	36.55
32 93 43 00-0719	EA	7 Gallon Archontophoenix cunninghamiana - Piccabeen	45.69
32 93 43 00-0720	EA	25 Gallon Archontophoenix cunninghamiana - Piccabeen	155.34
32 93 43 00-0721	EA	5' To 6' Archontophoenix cunninghamiana - Piccabeen	117.88
32 93 43 00-0722	EA	7' To 8' Archontophoenix cunninghamiana - Piccabeen	157.17
32 93 43 00-0723	EA	9' To 10' Archontophoenix cunninghamiana - Piccabeen	196.46
32 93 43 00-0724	EA	11' To 12' Archontophoenix cunninghamiana - Piccabeen	252.20
32 93 43 00-0725	EA	13' To 14' Archontophoenix cunninghamiana - Piccabeen	294.24
32 93 43 00-0726	EA	15' To 16' Archontophoenix cunninghamiana - Piccabeen	336.27
32 93 43 00-0727	EA	17' To 18' Archontophoenix cunninghamiana - Piccabeen	378.30
32 93 43 00-0728	EA	19' To 20' Archontophoenix cunninghamiana - Piccabeen	456.89
32 93 43 00-0729	EA	21' To 22' Archontophoenix cunninghamiana - Piccabeen	502.58
32 93 43 00-0730	EA	23' To 24' Archontophoenix cunninghamiana - Piccabeen	548.27
32 93 43 00-0731	EA	25' To 26' Archontophoenix cunninghamiana - Piccabeen	593.96
32 93 43 00-0732		Arenga Engleri - Dwarf Sugar Palm <small>(32 93 43 00-0686)</small>	
32 93 43 00-0733	EA	3 Gallon Arenga engleri - Dwarf Sugar Palm	21.93
32 93 43 00-0734	EA	7 Gallon Arenga engleri - Dwarf Sugar Palm	63.96
32 93 43 00-0735	EA	15 Gallon Arenga engleri - Dwarf Sugar Palm	137.07
32 93 43 00-0736	EA	25 Gallon Arenga engleri - Dwarf Sugar Palm	164.48
32 93 43 00-0737		Arenga Pinnata - Sugar Palm <small>(32 93 43 00-0686)</small>	
32 93 43 00-0738	EA	3 Gallon Arenga pinnata - Sugar Palm	36.55
32 93 43 00-0739	EA	15 Gallon Arenga pinnata - Sugar Palm	155.34
32 93 43 00-0740	EA	25 Gallon Arenga pinnata - Sugar Palm	228.44
32 93 43 00-0741	EA	45 Gallon Arenga pinnata - Sugar Palm	456.89
32 93 43 00-0742		Arenga Tremula - Dwarf Sugar Palm <small>(32 93 43 00-0686)</small>	
32 93 43 00-0743	EA	7 Gallon Arenga tremula - Dwarf Sugar Palm	109.65
32 93 43 00-0744	EA	15 Gallon Arenga tremula - Dwarf Sugar Palm	155.34
32 93 43 00-0745		Beaucarnea Recurvata - Pony Tail <small>(32 93 43 00-0686)</small>	
32 93 43 00-0746	EA	1 Gallon Beaucarnea recurvata - Pony Tail	3.66



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 93 43 00-0747	EA	3 Gallon Beaucarnea recurvata - Pony Tail.....	9.14	
	32 93 43 00-0748	EA	7 Gallon Beaucarnea recurvata - Pony Tail.....	38.38	
	32 93 43 00-0749	EA	10 Gallon Beaucarnea recurvata - Pony Tail.....	38.38	
	32 93 43 00-0750	EA	15 Gallon Beaucarnea recurvata - Pony Tail.....	73.10	
	32 93 43 00-0751	EA	25 Gallon Beaucarnea recurvata - Pony Tail.....	91.38	
	32 93 43 00-0752	EA	5' To 6' Beaucarnea recurvata - Pony Tail.....	219.31	
	32 93 43 00-0753	EA	7' To 8' Beaucarnea recurvata - Pony Tail.....	292.41	
	32 93 43 00-0754	EA	9' To 10' Beaucarnea recurvata - Pony Tail.....	365.51	
	32 93 43 00-0755	EA	11' To 12' Beaucarnea recurvata - Pony Tail.....	438.61	
	32 93 43 00-0756	EA	13' To 14' Beaucarnea recurvata - Pony Tail.....	767.58	
	32 93 43 00-0757	EA	15' To 16' Beaucarnea recurvata - Pony Tail.....	877.23	
	32 93 43 00-0758	EA	17' To 18' Beaucarnea recurvata - Pony Tail.....	986.88	
	32 93 43 00-0759	EA	19' To 20' Beaucarnea recurvata - Pony Tail.....	1,096.54	
32 93 43 00-0760 Bismarckia Nobilis - Bismarck Palm (32 93 43 00-0686)					
	32 93 43 00-0761	EA	7 Gallon Bismarckia nobilis - Bismarck Palm.....	54.83	
	32 93 43 00-0762	EA	10 Gallon Bismarckia nobilis - Bismarck Palm.....	127.93	
	32 93 43 00-0763	EA	15 Gallon Bismarckia nobilis - Bismarck Palm.....	137.07	
	32 93 43 00-0764	EA	25 Gallon Bismarckia nobilis - Bismarck Palm.....	182.76	
	32 93 43 00-0765	EA	45 Gallon Bismarckia nobilis - Bismarck Palm.....	383.79	
	32 93 43 00-0766	EA	5' To 6' Bismarckia nobilis - Bismarck Palm.....	328.96	
	32 93 43 00-0767	EA	7' To 8' Bismarckia nobilis - Bismarck Palm.....	438.61	
	32 93 43 00-0768	EA	9' To 10' Bismarckia nobilis - Bismarck Palm.....	548.27	
	32 93 43 00-0769	EA	11' To 12' Bismarckia nobilis - Bismarck Palm.....	986.88	
	32 93 43 00-0770	EA	13' To 14' Bismarckia nobilis - Bismarck Palm.....	1,151.36	
	32 93 43 00-0771	EA	15' To 16' Bismarckia nobilis - Bismarck Palm.....	1,754.46	
	32 93 43 00-0772	EA	17' To 18' Bismarckia nobilis - Bismarck Palm.....	1,973.76	
	32 93 43 00-0773	EA	19' To 20' Bismarckia nobilis - Bismarck Palm.....	2,193.07	
32 93 43 00-0774 Bismarckia Nobilis - Bismarck Palm 'Green' (32 93 43 00-0686)					
	32 93 43 00-0775	EA	5' To 6' Bismarckia nobilis - Bismarck Palm (Green).....	219.31	
	32 93 43 00-0776	EA	7' To 8' Bismarckia nobilis - Bismarck Palm (Green).....	292.41	
	32 93 43 00-0777	EA	9' To 10' Bismarckia nobilis - Bismarck Palm (Green).....	365.51	
	32 93 43 00-0778	EA	11' To 12' Bismarckia nobilis - Bismarck Palm (Green).....	438.61	
	32 93 43 00-0779	EA	13' To 14' Bismarckia nobilis - Bismarck Palm (Green).....	895.50	
	32 93 43 00-0780	EA	15' To 16' Bismarckia nobilis - Bismarck Palm (Green).....	1,023.43	
	32 93 43 00-0781	EA	17' To 18' Bismarckia nobilis - Bismarck Palm (Green).....	1,151.36	
	32 93 43 00-0782	EA	19' To 20' Bismarckia nobilis - Bismarck Palm (Green).....	1,279.29	
32 93 43 00-0783 Bismarckia Nobilis - Bismarck Palm 'Silver' (32 93 43 00-0686)					
	32 93 43 00-0784	EA	3 Gallon Bismarckia nobilis - Bismarck Palm (Silver).....	14.62	
	32 93 43 00-0785	EA	7 Gallon Bismarckia nobilis - Bismarck Palm (Silver).....	45.69	
	32 93 43 00-0786	EA	10 Gallon Bismarckia nobilis - Bismarck Palm (Silver).....	82.24	
	32 93 43 00-0787	EA	15 Gallon Bismarckia nobilis - Bismarck Palm (Silver).....	91.38	
	32 93 43 00-0788	EA	25 Gallon Bismarckia nobilis - Bismarck Palm (Silver).....	182.76	
	32 93 43 00-0789	EA	30 Gallon Bismarckia nobilis - Bismarck Palm (Silver).....	191.89	
	32 93 43 00-0790	EA	45 Gallon Bismarckia nobilis - Bismarck Palm (Silver).....	319.82	
	32 93 43 00-0791	EA	5' To 6' Bismarckia nobilis - Bismarck Palm (Silver).....	383.79	
	32 93 43 00-0792	EA	7' To 8' Bismarckia nobilis - Bismarck Palm (Silver).....	511.72	
	32 93 43 00-0793	EA	9' To 10' Bismarckia nobilis - Bismarck Palm (Silver).....	639.65	
	32 93 43 00-0794	EA	11' To 12' Bismarckia nobilis - Bismarck Palm (Silver).....	921.09	
	32 93 43 00-0795	EA	13' To 14' Bismarckia nobilis - Bismarck Palm (Silver).....	1,074.61	
	32 93 43 00-0796	EA	15' To 16' Bismarckia nobilis - Bismarck Palm (Silver).....	1,315.84	
	32 93 43 00-0797	EA	17' To 18' Bismarckia nobilis - Bismarck Palm (Silver).....	1,480.32	
	32 93 43 00-0798	EA	19' To 20' Bismarckia nobilis - Bismarck Palm (Silver).....	1,644.80	
32 93 43 00-0799 Butia Capitata - Pindo Palm (32 93 43 00-0686)					
	32 93 43 00-0800	EA	7 Gallon Butia capitata - Pindo Palm.....	45.69	
	32 93 43 00-0801	EA	10 Gallon Butia capitata - Pindo Palm.....	63.96	
	32 93 43 00-0802	EA	15 Gallon Butia capitata - Pindo Palm.....	82.24	
	32 93 43 00-0803	EA	25 Gallon Butia capitata - Pindo Palm.....	127.93	
	32 93 43 00-0804	EA	30 Gallon Butia capitata - Pindo Palm.....	155.34	
	32 93 43 00-0805	EA	45 Gallon Butia capitata - Pindo Palm.....	265.00	
	32 93 43 00-0806	EA	4' To 6' Butia capitata - Pindo Palm.....	131.58	
	32 93 43 00-0807	EA	6' To 8' Butia capitata - Pindo Palm.....	175.45	
	32 93 43 00-0808	EA	8' To 10' Butia capitata - Pindo Palm.....	219.31	
32 93 43 00-0809 Carpentaria Acuminata - Carpentaria Palm (32 93 43 00-0686)					
	32 93 43 00-0810	EA	1 Gallon Carpentaria acuminata - Carpentaria Palm.....	1.83	
	32 93 43 00-0811	EA	3 Gallon Carpentaria acuminata - Carpentaria Palm.....	8.22	
	32 93 43 00-0812	EA	7 Gallon Carpentaria acuminata - Carpentaria Palm.....	32.90	
	32 93 43 00-0813	EA	10 Gallon Carpentaria acuminata - Carpentaria Palm.....	45.69	
	32 93 43 00-0814	EA	15 Gallon Carpentaria acuminata - Carpentaria Palm.....	82.24	
	32 93 43 00-0815	EA	5' To 6' Carpentaria acuminata - Carpentaria Palm.....	54.83	
	32 93 43 00-0816	EA	7' To 8' Carpentaria acuminata - Carpentaria Palm.....	73.10	
	32 93 43 00-0817	EA	9' To 10' Carpentaria acuminata - Carpentaria Palm.....	91.38	
	32 93 43 00-0818	EA	11' To 12' Carpentaria acuminata - Carpentaria Palm.....	180.93	
	32 93 43 00-0819	EA	13' To 14' Carpentaria acuminata - Carpentaria Palm.....	211.08	
	32 93 43 00-0820	EA	15' To 16' Carpentaria acuminata - Carpentaria Palm.....	292.41	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 43 00-0821	EA	17' To 18'	Carpentaria acuminata - Carpentaria Palm	328.96
32 93 43 00-0822	EA	19' To 20'	Carpentaria acuminata - Carpentaria Palm	365.51
32 93 43 00-0823 Caryota Mitis - Clustering Fishtail Palm (32 93 43 00-0686)				
32 93 43 00-0824	EA	3 Gallon	Caryota mitis - Clustering Fishtail Palm	11.88
32 93 43 00-0825	EA	7 Gallon	Caryota mitis - Clustering Fishtail Palm	31.98
32 93 43 00-0826	EA	10 Gallon	Caryota mitis - Clustering Fishtail Palm	45.69
32 93 43 00-0827	EA	15 Gallon	Caryota mitis - Clustering Fishtail Palm	73.10
32 93 43 00-0828	EA	25 Gallon	Caryota mitis - Clustering Fishtail Palm	137.07
32 93 43 00-0829	EA	3' To 4'	Caryota mitis - Clustering Fishtail Palm	36.55
32 93 43 00-0830	EA	5' To 6'	Caryota mitis - Clustering Fishtail Palm	87.72
32 93 43 00-0831	EA	7' To 8'	Caryota mitis - Clustering Fishtail Palm	116.96
32 93 43 00-0832	EA	9' To 10'	Caryota mitis - Clustering Fishtail Palm	146.20
32 93 43 00-0833	EA	11' To 12'	Caryota mitis - Clustering Fishtail Palm	197.38
32 93 43 00-0834	EA	13' To 14'	Caryota mitis - Clustering Fishtail Palm	230.27
32 93 43 00-0835	EA	15' To 16'	Caryota mitis - Clustering Fishtail Palm	365.51
32 93 43 00-0836	EA	17' To 18'	Caryota mitis - Clustering Fishtail Palm	411.20
32 93 43 00-0837	EA	19' To 20'	Caryota mitis - Clustering Fishtail Palm	548.27
32 93 43 00-0838 Chamaerops Humilis - European Fan Palm (32 93 43 00-0686)				
32 93 43 00-0839	EA	1 Gallon	Chamaerops humilis - European Fan Palm	4.57
32 93 43 00-0840	EA	3 Gallon	Chamaerops humilis - European Fan Palm	20.56
32 93 43 00-0841	EA	7 Gallon	Chamaerops humilis - European Fan Palm	51.17
32 93 43 00-0842	EA	15 Gallon	Chamaerops humilis - European Fan Palm	109.65
32 93 43 00-0843	EA	25 Gallon	Chamaerops humilis - European Fan Palm	164.48
32 93 43 00-0844	EA	30 Gallon	Chamaerops humilis - European Fan Palm	201.03
32 93 43 00-0845	EA	3' To 4'	Chamaerops humilis - European Fan Palm	146.20
32 93 43 00-0846	EA	5' To 6'	Chamaerops humilis - European Fan Palm	274.13
32 93 43 00-0847	EA	7' To 8'	Chamaerops humilis - European Fan Palm	365.51
32 93 43 00-0848	EA	9' To 10'	Chamaerops humilis - European Fan Palm	456.89
32 93 43 00-0849 Cocos Nucifera - Coconut Palm (32 93 43 00-0686)				
32 93 43 00-0850	EA	7 Gallon	Cocos nucifera - Coconut Palm	38.38
32 93 43 00-0851	EA	10 Gallon	Cocos nucifera - Coconut Palm	51.17
32 93 43 00-0852	EA	15 Gallon	Cocos nucifera - Coconut Palm	69.45
32 93 43 00-0853	EA	25 Gallon	Cocos nucifera - Coconut Palm	127.93
32 93 43 00-0854	EA	5' To 6'	Cocos nucifera - Coconut Palm	109.65
32 93 43 00-0855	EA	7' To 8'	Cocos nucifera - Coconut Palm	146.20
32 93 43 00-0856	EA	9' To 10'	Cocos nucifera - Coconut Palm	219.31
32 93 43 00-0857	EA	11' To 12'	Cocos nucifera - Coconut Palm	263.17
32 93 43 00-0858	EA	13' To 14'	Cocos nucifera - Coconut Palm	307.03
32 93 43 00-0859	EA	15' To 16'	Cocos nucifera - Coconut Palm	438.61
32 93 43 00-0860	EA	17' To 18'	Cocos nucifera - Coconut Palm	493.44
32 93 43 00-0861	EA	19' To 20'	Cocos nucifera - Coconut Palm	548.27
32 93 43 00-0862 Cocos Nucifera -Green Malayan (32 93 43 00-0686)				
32 93 43 00-0863	EA	7 Gallon	Cocos nucifera - Green Malayan	27.41
32 93 43 00-0864	EA	10 Gallon	Cocos nucifera - Green Malayan	60.31
32 93 43 00-0865	EA	15 Gallon	Cocos nucifera - Green Malayan	100.52
32 93 43 00-0866	EA	20 Gallon	Cocos nucifera - Green Malayan	118.79
32 93 43 00-0867	EA	25 Gallon	Cocos nucifera - Green Malayan	137.07
32 93 43 00-0868	EA	7' To 8'	Cocos nucifera - Green Malayan	556.40
32 93 43 00-0869	EA	9' To 10'	Cocos nucifera - Green Malayan	695.50
32 93 43 00-0870	EA	11' To 12'	Cocos nucifera - Green Malayan	834.60
32 93 43 00-0871	EA	13' To 14'	Cocos nucifera - Green Malayan	973.70
32 93 43 00-0872	EA	15' To 16'	Cocos nucifera - Green Malayan	1,112.80
32 93 43 00-0873	EA	17' To 18'	Cocos nucifera - Green Malayan	1,251.90
32 93 43 00-0874	EA	19' To 20'	Cocos nucifera - Green Malayan	1,391.00
32 93 43 00-0875 Cocos Nucifera -Green Maypan (32 93 43 00-0686)				
32 93 43 00-0876	EA	15 Gallon	Cocos nucifera - Green Maypan	91.38
32 93 43 00-0877	EA	30 Gallon	Cocos nucifera - Green Maypan	164.48
32 93 43 00-0878	EA	5' To 6'	Cocos nucifera - Green Maypan	76.76
32 93 43 00-0879	EA	7' To 8'	Cocos nucifera - Green Maypan	102.34
32 93 43 00-0880	EA	9' To 10'	Cocos nucifera - Green Maypan	164.48
32 93 43 00-0881	EA	11' To 12'	Cocos nucifera - Green Maypan	219.31
32 93 43 00-0882	EA	13' To 14'	Cocos nucifera - Green Maypan	255.86
32 93 43 00-0883	EA	15' To 16'	Cocos nucifera - Green Maypan	350.89
32 93 43 00-0884	EA	17' To 18'	Cocos nucifera - Green Maypan	394.75
32 93 43 00-0885	EA	19' To 20'	Cocos nucifera - Green Maypan	438.61
32 93 43 00-0886 Copernicia Alba (32 93 43 00-0686)				
32 93 43 00-0887	EA	3' To 4'	Copernicia alba	365.51
32 93 43 00-0888	EA	5' To 6'	Copernicia alba	548.27
32 93 43 00-0889	EA	7' To 8'	Copernicia alba	731.02
32 93 43 00-0890	EA	9' To 10'	Copernicia alba	913.78



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0891			Copernicia Baileyana (32 93 43 00-0686)		
32 93 43 00-0892	EA		7 Gallon Copernicia baileyana.....	228.44	
32 93 43 00-0893	EA		3' To 4' Copernicia baileyana.....	731.02	
32 93 43 00-0894	EA		5' To 6' Copernicia baileyana.....	1,096.54	
32 93 43 00-0895	EA		7' To 8' Copernicia baileyana.....	1,462.05	
32 93 43 00-0896	EA		9' To 10' Copernicia baileyana.....	1,827.56	
32 93 43 00-0897			Dypsis Decaryi - Triangle Palm (32 93 43 00-0686)		
32 93 43 00-0898	EA		3 Gallon Dypsis decaryi - Triangle Palm.....	18.28	
32 93 43 00-0899	EA		7 Gallon Dypsis decaryi - Triangle Palm.....	51.17	
32 93 43 00-0900	EA		15 Gallon Dypsis decaryi - Triangle Palm.....	91.38	
32 93 43 00-0901	EA		20 Gallon Dypsis decaryi - Triangle Palm.....	118.79	
32 93 43 00-0902	EA		25 Gallon Dypsis decaryi - Triangle Palm.....	137.07	
32 93 43 00-0903	EA		3' To 4' Dypsis decaryi - Triangle Palm.....	87.72	
32 93 43 00-0904	EA		5' To 6' Dypsis decaryi - Triangle Palm.....	131.58	
32 93 43 00-0905	EA		7' To 8' Dypsis decaryi - Triangle Palm.....	175.45	
32 93 43 00-0906	EA		9' To 10' Dypsis decaryi - Triangle Palm.....	255.86	
32 93 43 00-0907	EA		11' To 12' Dypsis decaryi - Triangle Palm.....	307.03	
32 93 43 00-0908	EA		13' To 14' Dypsis decaryi - Triangle Palm.....	358.20	
32 93 43 00-0909	EA		15' To 16' Dypsis decaryi - Triangle Palm.....	438.61	
32 93 43 00-0910	EA		17' To 18' Dypsis decaryi - Triangle Palm.....	493.44	
32 93 43 00-0911	EA		19' To 20' Dypsis decaryi - Triangle Palm.....	548.27	
32 93 43 00-0912			Dypsis Lutescens - Areca Palm (32 93 43 00-0686)		
32 93 43 00-0913	EA		1 Gallon Dypsis lutescens - Areca Palm.....	2.74	
32 93 43 00-0914	EA		3 Gallon Dypsis lutescens - Areca Palm.....	10.97	
32 93 43 00-0915	EA		7 Gallon Dypsis lutescens - Areca Palm.....	27.41	
32 93 43 00-0916	EA		10 Gallon Dypsis lutescens - Areca Palm.....	54.83	
32 93 43 00-0917	EA		15 Gallon Dypsis lutescens - Areca Palm.....	63.96	
32 93 43 00-0918	EA		25 Gallon Dypsis lutescens - Areca Palm.....	109.65	
32 93 43 00-0919	EA		5' To 6' Dypsis lutescens - Areca Palm.....	98.69	
32 93 43 00-0920	EA		7' To 8' Dypsis lutescens - Areca Palm.....	131.58	
32 93 43 00-0921	EA		9' To 10' Dypsis lutescens - Areca Palm.....	164.48	
32 93 43 00-0922	EA		11' To 12' Dypsis lutescens - Areca Palm.....	328.96	
32 93 43 00-0923	EA		13' To 14' Dypsis lutescens - Areca Palm.....	383.79	
32 93 43 00-0924	EA		15' To 16' Dypsis lutescens - Areca Palm.....	438.61	
32 93 43 00-0925	EA		17' To 18' Dypsis lutescens - Areca Palm.....	493.44	
32 93 43 00-0926	EA		19' To 20' Dypsis lutescens - Areca Palm.....	548.27	
32 93 43 00-0927			Hyopherbe Verschaffeltii - Spindle Palm (32 93 43 00-0686)		
32 93 43 00-0928	EA		1 Gallon Hyopherbe verschaffeltii - Spindle Palm.....	3.66	
32 93 43 00-0929	EA		3 Gallon Hyopherbe verschaffeltii - Spindle Palm.....	11.88	
32 93 43 00-0930	EA		7 Gallon Hyopherbe verschaffeltii - Spindle Palm.....	40.21	
32 93 43 00-0931	EA		15 Gallon Hyopherbe verschaffeltii - Spindle Palm.....	82.24	
32 93 43 00-0932	EA		25 Gallon Hyopherbe verschaffeltii - Spindle Palm.....	155.34	
32 93 43 00-0933	EA		6' To 8' Hyopherbe verschaffeltii - Spindle Palm.....	175.45	
32 93 43 00-0934	EA		8' To 10' Hyopherbe verschaffeltii - Spindle Palm.....	219.31	
32 93 43 00-0935	EA		10' To 12' Hyopherbe verschaffeltii - Spindle Palm.....	263.17	
32 93 43 00-0936			Latania Loddgessii - Latania Palm (32 93 43 00-0686)		
32 93 43 00-0937	EA		1 Gallon Latania loddgessii - Latania Palm.....	6.40	
32 93 43 00-0938	EA		3 Gallon Latania loddgessii - Latania Palm.....	21.93	
32 93 43 00-0939	EA		10 Gallon Latania loddgessii - Latania Palm.....	118.79	
32 93 43 00-0940	EA		15 Gallon Latania loddgessii - Latania Palm.....	146.20	
32 93 43 00-0941	EA		25 Gallon Latania loddgessii - Latania Palm.....	228.44	
32 93 43 00-0942	EA		5' To 6' Latania loddgessii - Latania Palm.....	274.13	
32 93 43 00-0943	EA		7' To 8' Latania loddgessii - Latania Palm.....	365.51	
32 93 43 00-0944	EA		9' To 10' Latania loddgessii - Latania Palm.....	456.89	
32 93 43 00-0945			Livistona Australis - Australian Fan Palm (32 93 43 00-0686)		
32 93 43 00-0946	EA		1 Gallon Livistona australis - Australian Fan Palm.....	5.48	
32 93 43 00-0947	EA		7 Gallon Livistona australis - Australian Fan Palm.....	18.28	
32 93 43 00-0948	EA		25 Gallon Livistona australis - Australian Fan Palm.....	118.79	
32 93 43 00-0949			Livistona Chinensis - Chinese Fan Palm (32 93 43 00-0686)		
32 93 43 00-0950	EA		1 Gallon Livistona chinensis - Chinese Fan Palm.....	3.20	
32 93 43 00-0951	EA		3 Gallon Livistona chinensis - Chinese Fan Palm.....	10.05	
32 93 43 00-0952	EA		7 Gallon Livistona chinensis - Chinese Fan Palm.....	27.41	
32 93 43 00-0953	EA		10 Gallon Livistona chinensis - Chinese Fan Palm.....	53.00	
32 93 43 00-0954	EA		15 Gallon Livistona chinensis - Chinese Fan Palm.....	67.62	
32 93 43 00-0955	EA		20 Gallon Livistona chinensis - Chinese Fan Palm.....	91.38	
32 93 43 00-0956	EA		25 Gallon Livistona chinensis - Chinese Fan Palm.....	109.65	
32 93 43 00-0957	EA		5' To 6' Livistona chinensis - Chinese Fan Palm.....	87.72	
32 93 43 00-0958	EA		7' To 8' Livistona chinensis - Chinese Fan Palm.....	116.96	
32 93 43 00-0959	EA		9' To 10' Livistona chinensis - Chinese Fan Palm.....	146.20	
32 93 43 00-0960	EA		11' To 12' Livistona chinensis - Chinese Fan Palm.....	208.34	
32 93 43 00-0961	EA		13' To 14' Livistona chinensis - Chinese Fan Palm.....	243.07	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
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32 93 43 00-0962	EA	15'	To 16'	Livistona chinensis - Chinese Fan Palm.....	350.89
32 93 43 00-0963	EA	17'	To 18'	Livistona chinensis - Chinese Fan Palm.....	394.75
32 93 43 00-0964	EA	19'	To 20'	Livistona chinensis - Chinese Fan Palm.....	438.61
32 93 43 00-0965 Livistona Decipiens - Ribbon Palm (32 93 43 00-0686)					
32 93 43 00-0966	EA	3	Gallon	Livistona decipiens - Ribbon Palm.....	10.97
32 93 43 00-0967	EA	7	Gallon	Livistona decipiens - Ribbon Palm.....	45.69
32 93 43 00-0968	EA	5'	To 6'	Livistona decipiens - Ribbon Palm.....	87.72
32 93 43 00-0969	EA	7'	To 8'	Livistona decipiens - Ribbon Palm.....	116.96
32 93 43 00-0970	EA	9'	To 10'	Livistona decipiens - Ribbon Palm.....	146.20
32 93 43 00-0971	EA	11'	To 12'	Livistona decipiens - Ribbon Palm.....	175.45
32 93 43 00-0972	EA	13'	To 14'	Livistona decipiens - Ribbon Palm.....	204.69
32 93 43 00-0973	EA	15'	To 16'	Livistona decipiens - Ribbon Palm.....	233.93
32 93 43 00-0974	EA	17'	To 18'	Livistona decipiens - Ribbon Palm.....	263.17
32 93 43 00-0975	EA	19'	To 20'	Livistona decipiens - Ribbon Palm.....	456.89
32 93 43 00-0976 Neodypsis Decaryi - Triangle Palm (32 93 43 00-0686)					
32 93 43 00-0977	EA	3	Gallon	Neodypsis decaryi - Triangle Palm.....	14.62
32 93 43 00-0978	EA	7	Gallon	Neodypsis decaryi - Triangle Palm.....	45.69
32 93 43 00-0979	EA	15	Gallon	Neodypsis decaryi - Triangle Palm.....	91.38
32 93 43 00-0980	EA	20	Gallon	Neodypsis decaryi - Triangle Palm.....	118.79
32 93 43 00-0981	EA	25	Gallon	Neodypsis decaryi - Triangle Palm.....	137.07
32 93 43 00-0982	EA	9'	To 10'	Neodypsis decaryi - Triangle Palm.....	219.31
32 93 43 00-0983	EA	11'	To 12'	Neodypsis decaryi - Triangle Palm.....	263.17
32 93 43 00-0984	EA	13'	To 14'	Neodypsis decaryi - Triangle Palm.....	307.03
32 93 43 00-0985	EA	15'	To 16'	Neodypsis decaryi - Triangle Palm.....	350.89
32 93 43 00-0986	EA	17'	To 18'	Neodypsis decaryi - Triangle Palm.....	394.75
32 93 43 00-0987	EA	19'	To 20'	Neodypsis decaryi - Triangle Palm.....	438.61
32 93 43 00-0988 Phoenix Canariensis - Canary Island Date Palm (32 93 43 00-0686)					
32 93 43 00-0989	EA	1	Gallon	Phoenix canariensis - Canary Island Date Palm.....	2.74
32 93 43 00-0990	EA	3	Gallon	Phoenix canariensis - Canary Island Date Palm.....	13.71
32 93 43 00-0991	EA	7	Gallon	Phoenix canariensis - Canary Island Date Palm.....	43.86
32 93 43 00-0992	EA	10	Gallon	Phoenix canariensis - Canary Island Date Palm.....	67.62
32 93 43 00-0993	EA	25	Gallon	Phoenix canariensis - Canary Island Date Palm.....	146.20
32 93 43 00-0994	EA	45	Gallon	Phoenix canariensis - Canary Island Date Palm.....	274.13
32 93 43 00-0995	EA	5'	To 6'	Phoenix canariensis - Canary Island Date Palm.....	246.72
32 93 43 00-0996	EA	7'	To 8'	Phoenix canariensis - Canary Island Date Palm.....	328.96
32 93 43 00-0997	EA	9'	To 10'	Phoenix canariensis - Canary Island Date Palm.....	411.20
32 93 43 00-0998	EA	11'	To 12'	Phoenix canariensis - Canary Island Date Palm.....	548.27
32 93 43 00-0999	EA	13'	To 14'	Phoenix canariensis - Canary Island Date Palm.....	639.65
32 93 43 00-1000	EA	15'	To 16'	Phoenix canariensis - Canary Island Date Palm.....	877.23
32 93 43 00-1001	EA	17'	To 18'	Phoenix canariensis - Canary Island Date Palm.....	986.88
32 93 43 00-1002	EA	19'	To 20'	Phoenix canariensis - Canary Island Date Palm.....	1,096.54
32 93 43 00-1003 Phoenix Dactylifera and cvs (32 93 43 00-0686)					
32 93 43 00-1004	EA	5'	To 6'	Phoenix Dactylifera & cvs - Date Palm.....	2,905.82
32 93 43 00-1005	EA	7'	To 8'	Phoenix Dactylifera & cvs - Date Palm.....	3,874.43
32 93 43 00-1006	EA	9'	To 10'	Phoenix Dactylifera & cvs - Date Palm.....	4,843.03
32 93 43 00-1007	EA	11'	To 12'	Phoenix Dactylifera & cvs - Date Palm.....	5,811.64
32 93 43 00-1008	EA	13'	To 14'	Phoenix Dactylifera & cvs - Date Palm.....	6,780.25
32 93 43 00-1009	EA	15'	To 16'	Phoenix Dactylifera & cvs - Date Palm.....	7,748.85
32 93 43 00-1010	EA	17'	To 18'	Phoenix Dactylifera & cvs - Date Palm.....	8,717.46
32 93 43 00-1011	EA	19'	To 20'	Phoenix Dactylifera & cvs - Date Palm.....	9,686.07
32 93 43 00-1012 Phoenix/Hybrid - Canariensis x Reclinata (32 93 43 00-0686)					
32 93 43 00-1013	EA	5'	To 6'	Phoenix/Hybrid - canariensis x reclinata - Senegal Date Palm.....	1,809.28
32 93 43 00-1014	EA	7'	To 8'	Phoenix/Hybrid - canariensis x reclinata - Senegal Date Palm.....	2,412.38
32 93 43 00-1015	EA	9'	To 10'	Phoenix/Hybrid - canariensis x reclinata - Senegal Date Palm.....	3,015.47
32 93 43 00-1016	EA	11'	To 12'	Phoenix/Hybrid - canariensis x reclinata - Senegal Date Palm.....	3,618.57
32 93 43 00-1017	EA	13'	To 14'	Phoenix/Hybrid - canariensis x reclinata - Senegal Date Palm.....	4,221.66
32 93 43 00-1018	EA	15'	To 16'	Phoenix/Hybrid - canariensis x reclinata - Senegal Date Palm.....	4,824.76
32 93 43 00-1019	EA	17'	To 18'	Phoenix/Hybrid - canariensis x reclinata - Senegal Date Palm.....	5,427.85
32 93 43 00-1020	EA	19'	To 20'	Phoenix/Hybrid - canariensis x reclinata - Senegal Date Palm.....	6,030.95
32 93 43 00-1021 Phoenix Reclinata - Senegal Date (32 93 43 00-0686)					
32 93 43 00-1022	EA	1	Gallon	Phoenix reclinata - Senegal Date.....	3.66
32 93 43 00-1023	EA	25	Gallon	Phoenix reclinata - Senegal Date.....	114.22
32 93 43 00-1024	EA	3'	To 4'	Phoenix reclinata - Senegal Date.....	109.65
32 93 43 00-1025	EA	5'	To 6'	Phoenix reclinata - Senegal Date.....	164.48
32 93 43 00-1026	EA	7'	To 8'	Phoenix reclinata - Senegal Date.....	219.31
32 93 43 00-1027	EA	9'	To 10'	Phoenix reclinata - Senegal Date.....	274.13
32 93 43 00-1028	EA	11'	To 12'	Phoenix reclinata - Senegal Date.....	438.61
32 93 43 00-1029	EA	13'	To 14'	Phoenix reclinata - Senegal Date.....	511.72
32 93 43 00-1030	EA	15'	To 16'	Phoenix reclinata - Senegal Date.....	731.02
32 93 43 00-1031	EA	17'	To 18'	Phoenix reclinata - Senegal Date.....	822.40
32 93 43 00-1032	EA	19'	To 20'	Phoenix reclinata - Senegal Date.....	913.78



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32 93 43 00-1033		Phoenix Roebelenii - Pygmy Date Palm (32 93 43 00-0686)	
32 93 43 00-1034	EA	1 Gallon Phoenix roebelenii - Pygmy Date Palm	3.20
32 93 43 00-1035	EA	3 Gallon Phoenix roebelenii - Pygmy Date Palm	10.05
32 93 43 00-1036	EA	5 Gallon Phoenix roebelenii - Pygmy Date Palm	23.76
32 93 43 00-1037	EA	7 Gallon Phoenix roebelenii - Pygmy Date Palm	40.21
32 93 43 00-1038	EA	10 Gallon Phoenix roebelenii - Pygmy Date Palm	63.96
32 93 43 00-1039	EA	15 Gallon Phoenix roebelenii - Pygmy Date Palm	73.10
32 93 43 00-1040	EA	20 Gallon Phoenix roebelenii - Pygmy Date Palm	100.52
32 93 43 00-1041	EA	25 Gallon Phoenix roebelenii - Pygmy Date Palm	126.10
32 93 43 00-1042	EA	3' To 4' Phoenix roebelenii - Pygmy Date Palm	84.07
32 93 43 00-1043	EA	5' To 6' Phoenix roebelenii - Pygmy Date Palm	142.55
32 93 43 00-1044	EA	7' To 8' Phoenix roebelenii - Pygmy Date Palm	190.07
32 93 43 00-1045	EA	9' To 10' Phoenix roebelenii - Pygmy Date Palm	237.58
32 93 43 00-1046	EA	11' To 12' Phoenix roebelenii - Pygmy Date Palm	328.96

32 93 43 00-1047		Phoenix Sylvestris - Wild Date Palm (32 93 43 00-0686)	
32 93 43 00-1048	EA	3 Gallon Phoenix sylvestris - Wild Date Palm	15.53
32 93 43 00-1049	EA	7 Gallon Phoenix sylvestris - Wild Date Palm	27.41
32 93 43 00-1050	EA	5' To 6' Phoenix sylvestris - Wild Date Palm	274.13
32 93 43 00-1051	EA	7' To 8' Phoenix sylvestris - Wild Date Palm	365.51
32 93 43 00-1052	EA	9' To 10' Phoenix sylvestris - Wild Date Palm	456.89
32 93 43 00-1053	EA	11' To 12' Phoenix sylvestris - Wild Date Palm	657.92
32 93 43 00-1054	EA	13' To 14' Phoenix sylvestris - Wild Date Palm	767.58
32 93 43 00-1055	EA	15' To 16' Phoenix sylvestris - Wild Date Palm	877.23
32 93 43 00-1056	EA	17' To 18' Phoenix sylvestris - Wild Date Palm	986.88
32 93 43 00-1057	EA	19' To 20' Phoenix sylvestris - Wild Date Palm	1,096.54

32 93 43 00-1058		Ptychosperma Elegans - Alexander Palms (32 93 43 00-0686)	
32 93 43 00-1059	EA	3 Gallon Ptychosperma elegans - Alexander Palm	8.22
32 93 43 00-1060	EA	7 Gallon Ptychosperma elegans - Alexander Palm	27.41
32 93 43 00-1061	EA	10 Gallon Ptychosperma elegans - Alexander Palm	45.69
32 93 43 00-1062	EA	15 Gallon Ptychosperma elegans - Alexander Palm	82.24
32 93 43 00-1063	EA	20 Gallon Ptychosperma elegans - Alexander Palm	91.38
32 93 43 00-1064	EA	25 Gallon Ptychosperma elegans - Alexander Palm	137.07
32 93 43 00-1065	EA	30 Gallon Ptychosperma elegans - Alexander Palm	155.34
32 93 43 00-1066	EA	45 Gallon Ptychosperma elegans - Alexander Palm	274.13
32 93 43 00-1067	EA	7' To 8' Ptychosperma elegans - Alexander Palm	175.45
32 93 43 00-1068	EA	9' To 10' Ptychosperma elegans - Alexander Palm	219.31
32 93 43 00-1069	EA	11' To 12' Ptychosperma elegans - Alexander Palm	263.17
32 93 43 00-1070	EA	13' To 14' Ptychosperma elegans - Alexander Palm	307.03
32 93 43 00-1071	EA	15' To 16' Ptychosperma elegans - Alexander Palm	350.89
32 93 43 00-1072	EA	17' To 18' Ptychosperma elegans - Alexander Palm	394.75
32 93 43 00-1073	EA	19' To 20' Ptychosperma elegans - Alexander Palm	438.61

32 93 43 00-1074		Rhapidophyllum Hystrix - Needle Palm (32 93 43 00-0686)	
32 93 43 00-1075	EA	7 Gallon Rhapidophyllum hystrix - Needle Palm	91.38
32 93 43 00-1076	EA	15 Gallon Rhapidophyllum hystrix - Needle Palm	210.17
32 93 43 00-1077	EA	3' To 4' Rhapidophyllum hystrix - Needle Palm	365.51

32 93 43 00-1078		Rhapis - Lady Palm (32 93 43 00-0686)	
32 93 43 00-1079	EA	3 Gallon Rhapis - Lady Palm	38.38
32 93 43 00-1080	EA	7 Gallon Rhapis - Lady Palm	100.52
32 93 43 00-1081	EA	10 Gallon Rhapis - Lady Palm	182.76
32 93 43 00-1082	EA	15 Gallon Rhapis - Lady Palm	228.44

32 93 43 00-1083		Roystones Elata - Florida Royal (32 93 43 00-0686)	
32 93 43 00-1084	EA	1 Gallon Roystones elata - Florida Royal Palm	10.97
32 93 43 00-1085	EA	3 Gallon Roystones elata - Florida Royal Palm	14.62
32 93 43 00-1086	EA	7 Gallon Roystones elata - Florida Royal Palm	27.41
32 93 43 00-1087	EA	15 Gallon Roystones elata - Florida Royal Palm	36.55
32 93 43 00-1088	EA	25 Gallon Roystones elata - Florida Royal Palm	137.07
32 93 43 00-1089	EA	9' To 10' Roystones elata - Florida Royal Palm	182.76
32 93 43 00-1090	EA	11' To 12' Roystones elata - Florida Royal Palm	219.31
32 93 43 00-1091	EA	13' To 14' Roystones elata - Florida Royal Palm	255.86
32 93 43 00-1092	EA	15' To 16' Roystones elata - Florida Royal Palm	292.41
32 93 43 00-1093	EA	17' To 18' Roystones elata - Florida Royal Palm	328.96
32 93 43 00-1094	EA	19' To 20' Roystones elata - Florida Royal Palm	365.51

32 93 43 00-1095		Roystones Regia - Cuban Royal (32 93 43 00-0686)	
32 93 43 00-1096	EA	1 Gallon Roystones regia - Florida/Cuban Royal Palm	8.22
32 93 43 00-1097	EA	3 Gallon Roystones regia - Florida/Cuban Royal Palm	18.28
32 93 43 00-1098	EA	7 Gallon Roystones regia - Florida/Cuban Royal Palm	63.96
32 93 43 00-1099	EA	15 Gallon Roystones regia - Florida/Cuban Royal Palm	155.34
32 93 43 00-1100	EA	25 Gallon Roystones regia - Florida/Cuban Royal Palm	146.20
32 93 43 00-1101	EA	30 Gallon Roystones regia - Florida/Cuban Royal Palm	228.44

32 Exterior Improvements**32 90 Planting****32 93 Plants**
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32 93 43 00-1102	EA	9' To 10'	Roystones regia - Florida/Cuban Royal Palm.....	182.76
32 93 43 00-1103	EA	11' To 12'	Roystones regia - Florida/Cuban Royal Palm.....	219.31
32 93 43 00-1104	EA	13' To 14'	Roystones regia - Florida/Cuban Royal Palm.....	255.86
32 93 43 00-1105	EA	15' To 16'	Roystones regia - Florida/Cuban Royal Palm.....	292.41
32 93 43 00-1106	EA	17' To 18'	Roystones regia - Florida/Cuban Royal Palm.....	328.96
32 93 43 00-1107	EA	19' To 20'	Roystones regia - Florida/Cuban Royal Palm.....	365.51
32 93 43 00-1108			Sabal Causiarum - Puerto Rican Hat Palm (32 93 43 00-0686)	
32 93 43 00-1109	EA	25 Gallon	Sabal causiarum - Puerto Rican Hat Palm.....	228.44
32 93 43 00-1110	EA	9' To 10'	Sabal causiarum - Puerto Rican Hat Palm.....	548.27
32 93 43 00-1111	EA	11' To 12'	Sabal causiarum - Puerto Rican Hat Palm.....	657.92
32 93 43 00-1112	EA	13' To 14'	Sabal causiarum - Puerto Rican Hat Palm.....	767.58
32 93 43 00-1113	EA	15' To 16'	Sabal causiarum - Puerto Rican Hat Palm.....	877.23
32 93 43 00-1114	EA	17' To 18'	Sabal causiarum - Puerto Rican Hat Palm.....	986.88
32 93 43 00-1115	EA	19' To 20'	Sabal causiarum - Puerto Rican Hat Palm.....	1,096.54
32 93 43 00-1116			Sabal Minor - Dwarf/Blue-Stem Palmetto (32 93 43 00-0686)	
32 93 43 00-1117	EA	1 Gallon	Sabal minor - Dwarf/Bluestem Palmetto Palm.....	7.31
32 93 43 00-1118	EA	3 Gallon	Sabal minor - Dwarf/Bluestem Palmetto Palm.....	27.41
32 93 43 00-1119	EA	3' To 4'	Sabal minor - Dwarf/Bluestem Palmetto Palm.....	106.00
32 93 43 00-1120	EA	5' To 6'	Sabal minor - Dwarf/Bluestem Palmetto Palm.....	169.96
32 93 43 00-1121	EA	7' To 8'	Sabal minor - Dwarf/Bluestem Palmetto Palm.....	226.62
32 93 43 00-1122			Sabal Palmetto - Cabbage Palm (32 93 43 00-0686)	
32 93 43 00-1123	EA	1 Gallon	Sabal palmetto - Cabbage Palm.....	3.20
32 93 43 00-1124	EA	3 Gallon	Sabal palmetto - Cabbage Palm.....	9.14
32 93 43 00-1125	EA	7' To 8'	Sabal palmetto - Cabbage Palm.....	65.79
32 93 43 00-1126	EA	9' To 10'	Sabal palmetto - Cabbage Palm.....	82.24
32 93 43 00-1127	EA	11' To 12'	Sabal palmetto - Cabbage Palm.....	98.69
32 93 43 00-1128	EA	13' To 14'	Sabal palmetto - Cabbage Palm.....	115.14
32 93 43 00-1129	EA	15' To 16'	Sabal palmetto - Cabbage Palm.....	131.58
32 93 43 00-1130	EA	17' To 18'	Sabal palmetto - Cabbage Palm.....	148.03
32 93 43 00-1131	EA	19' To 20'	Sabal palmetto - Cabbage Palm.....	164.48
32 93 43 00-1132			Serenoa Repens - Palmetto (32 93 43 00-0686)	
32 93 43 00-1133	EA	1 Gallon	Serenoa repens - Saw Palmetto Palm.....	5.48
32 93 43 00-1134	EA	3 Gallon	Serenoa repens - Saw Palmetto Palm.....	18.28
32 93 43 00-1135	EA	7 Gallon	Serenoa repens - Saw Palmetto Palm.....	54.83
32 93 43 00-1136	EA	10 Gallon	Serenoa repens - Saw Palmetto Palm.....	73.10
32 93 43 00-1137	EA	15 Gallon	Serenoa repens - Saw Palmetto Palm.....	118.79
32 93 43 00-1138	EA	25 Gallon	Serenoa repens - Saw Palmetto Palm.....	173.62
32 93 43 00-1139	EA	45 Gallon	Serenoa repens - Saw Palmetto Palm.....	338.10
32 93 43 00-1140	EA	95 Gallon	Serenoa repens - Saw Palmetto Palm.....	703.61
32 93 43 00-1141			Syagrus Romanzoffiana - Queen Palm (32 93 43 00-0686)	
32 93 43 00-1142	EA	1 Gallon	Syagrus romanzoffiana - Queen Palm.....	3.66
32 93 43 00-1143	EA	3 Gallon	Syagrus romanzoffiana - Queen Palm.....	9.14
32 93 43 00-1144	EA	5 Gallon	Syagrus romanzoffiana - Queen Palm.....	21.93
32 93 43 00-1145	EA	7 Gallon	Syagrus romanzoffiana - Queen Palm.....	31.07
32 93 43 00-1146	EA	10 Gallon	Syagrus romanzoffiana - Queen Palm.....	58.48
32 93 43 00-1147	EA	15 Gallon	Syagrus romanzoffiana - Queen Palm.....	73.10
32 93 43 00-1148	EA	20 Gallon	Syagrus romanzoffiana - Queen Palm.....	91.38
32 93 43 00-1149	EA	25 Gallon	Syagrus romanzoffiana - Queen Palm.....	118.79
32 93 43 00-1150	EA	30 Gallon	Syagrus romanzoffiana - Queen Palm.....	155.34
32 93 43 00-1151	EA	7' To 8'	Syagrus romanzoffiana - Queen Palm.....	95.03
32 93 43 00-1152	EA	9' To 10'	Syagrus romanzoffiana - Queen Palm.....	118.79
32 93 43 00-1153	EA	11' To 12'	Syagrus romanzoffiana - Queen Palm.....	142.55
32 93 43 00-1154	EA	13' To 14'	Syagrus romanzoffiana - Queen Palm.....	166.31
32 93 43 00-1155	EA	15' To 16'	Syagrus romanzoffiana - Queen Palm.....	190.07
32 93 43 00-1156	EA	17' To 18'	Syagrus romanzoffiana - Queen Palm.....	246.72
32 93 43 00-1157	EA	19' To 20'	Syagrus romanzoffiana - Queen Palm.....	274.13
32 93 43 00-1158			Thrinax Radiata - Florida Thatch (32 93 43 00-0686)	
32 93 43 00-1159	EA	3 Gallon	Thrinax radiata - Florida Thatch Palm.....	14.62
32 93 43 00-1160	EA	7 Gallon	Thrinax radiata - Florida Thatch Palm.....	63.96
32 93 43 00-1161	EA	10 Gallon	Thrinax radiata - Florida Thatch Palm.....	82.24
32 93 43 00-1162	EA	15 Gallon	Thrinax radiata - Florida Thatch Palm.....	91.38
32 93 43 00-1163	EA	20 Gallon	Thrinax radiata - Florida Thatch Palm.....	137.07
32 93 43 00-1164	EA	25 Gallon	Thrinax radiata - Florida Thatch Palm.....	173.62
32 93 43 00-1165	EA	45 Gallon	Thrinax radiata - Florida Thatch Palm.....	639.65
32 93 43 00-1166	EA	5' To 6'	Thrinax radiata - Florida Thatch Palm.....	219.31
32 93 43 00-1167	EA	7' To 8'	Thrinax radiata - Florida Thatch Palm.....	292.41
32 93 43 00-1168	EA	9' To 10'	Thrinax radiata - Florida Thatch Palm.....	365.51
32 93 43 00-1169			Trachycarpus Fortunei - Windmill Palm (32 93 43 00-0686)	
32 93 43 00-1170	EA	3 Gallon	Trachycarpus fortunei - Windmill Palm.....	18.28



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1171	EA		25 Gallon Trachycarpus fortunei - Windmill Palm.....	146.20	
32 93 43 00-1172	EA		45 Gallon Trachycarpus fortunei - Windmill Palm.....	365.51	
32 93 43 00-1173	EA		4' To 6' Trachycarpus fortunei - Windmill Palm.....	219.31	
32 93 43 00-1174			Washingtonia Filifera - Desert Fan Palm (32 93 43 00-0686)		
32 93 43 00-1175	EA		9' To 10' Washingtonia filifera - Desert Fan Palm.....	328.96	
32 93 43 00-1176	EA		11' To 12' Washingtonia filifera - Desert Fan Palm.....	394.75	
32 93 43 00-1177	EA		13' To 14' Washingtonia filifera - Desert Fan Palm.....	460.55	
32 93 43 00-1178	EA		15' To 16' Washingtonia filifera - Desert Fan Palm.....	526.34	
32 93 43 00-1179	EA		17' To 18' Washingtonia filifera - Desert Fan Palm.....	592.13	
32 93 43 00-1180	EA		19' To 20' Washingtonia filifera - Desert Fan Palm.....	657.92	
32 93 43 00-1181			Washingtonia Robusta - Washington Palm (32 93 43 00-0686)		
32 93 43 00-1182	EA		1 Gallon Washingtonia robusta - Washington Palm.....	2.74	
32 93 43 00-1183	EA		3 Gallon Washingtonia robusta - Washington Palm.....	8.22	
32 93 43 00-1184	EA		7 Gallon Washingtonia robusta - Washington Palm.....	27.41	
32 93 43 00-1185	EA		10 Gallon Washingtonia robusta - Washington Palm.....	54.83	
32 93 43 00-1186	EA		15 Gallon Washingtonia robusta - Washington Palm.....	82.24	
32 93 43 00-1187	EA		25 Gallon Washingtonia robusta - Washington Palm.....	118.79	
32 93 43 00-1188	EA		5' To 6' Washingtonia robusta - Washington Palm.....	87.72	
32 93 43 00-1189	EA		7' To 8' Washingtonia robusta - Washington Palm.....	116.96	
32 93 43 00-1190	EA		9' To 10' Washingtonia robusta - Washington Palm.....	146.20	
32 93 43 00-1191	EA		11' To 12' Washingtonia robusta - Washington Palm.....	241.24	
32 93 43 00-1192	EA		13' To 14' Washingtonia robusta - Washington Palm.....	281.44	
32 93 43 00-1193	EA		15' To 16' Washingtonia robusta - Washington Palm.....	321.65	
32 93 43 00-1194	EA		17' To 18' Washingtonia robusta - Washington Palm.....	427.65	
32 93 43 00-1195	EA		19' To 20' Washingtonia robusta - Washington Palm.....	475.17	
32 93 43 00-1196			Wodyetia Bifurcata - Foxtail Palm (32 93 43 00-0686)		
32 93 43 00-1197	EA		1 Gallon Wodyetia bifurcata - Foxtail Palm.....	9.14	
32 93 43 00-1198	EA		3 Gallon Wodyetia bifurcata - Foxtail Palm.....	21.93	
32 93 43 00-1199	EA		7 Gallon Wodyetia bifurcata - Foxtail Palm.....	45.69	
32 93 43 00-1200	EA		10 Gallon Wodyetia bifurcata - Foxtail Palm.....	76.76	
32 93 43 00-1201	EA		15 Gallon Wodyetia bifurcata - Foxtail Palm.....	118.79	
32 93 43 00-1202	EA		20 Gallon Wodyetia bifurcata - Foxtail Palm.....	146.20	
32 93 43 00-1203	EA		25 Gallon Wodyetia bifurcata - Foxtail Palm.....	237.58	
32 93 43 00-1204	EA		7' To 8' Wodyetia bifurcata - Foxtail Palm.....	190.07	
32 93 43 00-1205	EA		9' To 10' Wodyetia bifurcata - Foxtail Palm.....	237.58	
32 93 43 00-1206	EA		11' To 12' Wodyetia bifurcata - Foxtail Palm.....	328.96	
32 93 43 00-1207	EA		13' To 14' Wodyetia bifurcata - Foxtail Palm.....	383.79	
32 93 43 00-1208	EA		15' To 16' Wodyetia bifurcata - Foxtail Palm.....	643.30	
32 93 43 00-1209	EA		17' To 18' Wodyetia bifurcata - Foxtail Palm.....	723.71	
32 93 43 00-1210	EA		19' To 20' Wodyetia bifurcata - Foxtail Palm.....	804.13	
32 93 43 00-1211			Zamia Furfuracea - Cardboard Palm (32 93 43 00-0686)		
32 93 43 00-1212	EA		3 Gallon Zamia furfuracea - Cardboard Palm.....	17.36	
32 93 43 00-1213	EA		7 Gallon Zamia furfuracea - Cardboard Palm.....	45.69	
32 93 43 00-1214	EA		10 Gallon Zamia furfuracea - Cardboard Palm.....	63.96	
32 93 43 00-1215	EA		15 Gallon Zamia furfuracea - Cardboard Palm.....	82.24	
32 93 43 00-1216	EA		25 Gallon Zamia furfuracea - Cardboard Palm.....	173.62	
32 93 43 00-1217	EA		45 Gallon Zamia furfuracea - Cardboard Palm.....	228.44	
32 93 43 00-1218			Cycads (32 93 43)		
32 93 43 00-1219	EA		3 Gallon Ceratozamia mexicana - Mexican Horncone.....	45.69	
32 93 43 00-1220	EA		7 Gallon Ceratozamia mexicana - Mexican Horncone.....	91.38	
32 93 43 00-1221	EA		15 Gallon Ceratozamia mexicana - Mexican Horncone.....	182.76	
32 93 43 00-1222	EA		25 Gallon Ceratozamia mexicana - Mexican Horncone.....	365.51	
32 93 43 00-1223	EA		7 Gallon Ceratozamia mexicana 'Latifolia' - Mexican Horncone.....	100.52	
32 93 43 00-1224	EA		10 Gallon Ceratozamia mexicana 'Latifolia' - Mexican Horncone.....	164.48	
32 93 43 00-1225	EA		3 Gallon Cycas - Sago.....	14.62	
32 93 43 00-1226	EA		20 Gallon Cycas - Sago.....	91.38	
32 93 43 00-1227	EA		7 Gallon Cycas circinalis - Queen Sago.....	91.38	
32 93 43 00-1228	EA		25 Gallon Cycas circinalis - Queen Sago.....	146.20	
32 93 43 00-1229	EA		30 Gallon Cycas circinalis - Queen Sago.....	228.44	
32 93 43 00-1230	EA		45 Gallon Cycas circinalis - Queen Sago.....	274.13	
32 93 43 00-1231	EA		3 Gallon Cycas revoluta - King Sago.....	14.62	
32 93 43 00-1232	EA		7 Gallon Cycas revoluta - King Sago.....	45.69	
32 93 43 00-1233	EA		10 Gallon Cycas revoluta - King Sago.....	82.24	
32 93 43 00-1234	EA		15 Gallon Cycas revoluta - King Sago.....	100.52	
32 93 43 00-1235	EA		20 Gallon Cycas revoluta - King Sago.....	146.20	
32 93 43 00-1236	EA		30 Gallon Cycas revoluta - King Sago.....	182.76	
32 93 43 00-1237	EA		45 Gallon Cycas revoluta - King Sago.....	274.13	
32 93 43 00-1238	EA		65 Gallon Cycas revoluta - King Sago.....	548.27	
32 93 43 00-1239	EA		1' To 2' Cycas revoluta - King Sago.....	456.89	
32 93 43 00-1240	EA		3' To 4' Cycas revoluta - King Sago.....	228.44	
32 93 43 00-1241	EA		5' To 6' Cycas revoluta - King Sago.....	1,370.67	
32 93 43 00-1242	EA		7' To 8' Cycas revoluta - King Sago.....	1,827.56	
32 93 43 00-1243	EA		9' To 10' Cycas revoluta - King Sago.....	2,284.45	
32 93 43 00-1244	EA		11' To 12' Cycas revoluta - King Sago.....	2,741.34	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 43 00-1245	EA	3	Gallon Dioon edule - Chamal/Mexican Fern Palm	31.98
32 93 43 00-1246	EA	7	Gallon Dioon edule - Chamal/Mexican Fern Palm	73.10
32 93 43 00-1247	EA	1	Gallon Dioon spinulosum - Giant Dioon	9.14
32 93 43 00-1248	EA	3	Gallon Dioon spinulosum - Giant Dioon	27.41
32 93 43 00-1249	EA	7	Gallon Dioon spinulosum - Giant Dioon	73.10
32 93 43 00-1250	EA	10	Gallon Dioon spinulosum - Giant Dioon	82.24
32 93 43 00-1251	EA	15	Gallon Dioon spinulosum - Giant Dioon	182.76
32 93 43 00-1252	EA	1	Gallon Zamia floridana - Coontie	6.85
32 93 43 00-1253	EA	3	Gallon Zamia floridana - Coontie	22.84
32 93 43 00-1254	EA	3	Gallon Zamia maritima - Cardboard Palm	18.28
32 93 43 00-1255	EA	7	Gallon Zamia maritima - Cardboard Palm	51.17
32 93 43 00-1256	EA	10	Gallon Zamia maritima - Cardboard Palm	65.79
32 93 43 00-1257	EA	15	Gallon Zamia maritima - Cardboard Palm	86.81
32 93 43 00-1258	EA	25	Gallon Zamia maritima - Cardboard Palm	182.76
32 93 43 00-1259	EA	45	Gallon Zamia maritima - Cardboard Palm	223.88
32 93 43 00-1260	EA	1	Gallon Zamia pumila - Coontie	7.77
32 93 43 00-1261	EA	3	Gallon Zamia pumila - Coontie	22.84
32 93 43 00-1262	EA	7	Gallon Zamia pumila - Coontie	50.26
32 93 43 00-1263	EA	10	Gallon Zamia pumila - Coontie	56.65

32 93 53 Planting Of Trees, Shrubs And Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 53 00-0001 Planting Trees (32 93 53)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 53 00-0002	EA	3"	To 5" Bare Root Seedlings Tree Planting	0.40
32 93 53 00-0003	EA	6"	To 10" Bare Root Seedlings Tree Planting	0.66
32 93 53 00-0004	EA	11"	To 16" Bare Root Seedlings Tree Planting	0.82
32 93 53 00-0005	EA	17"	To 24" Bare Root Seedlings Tree Planting	1.30
32 93 53 00-0006	EA	1	Gallon Container Tree Planting	6.50
			<i>For >10 To 25, Deduct</i>	-0.33
			<i>For >25 To 50, Deduct</i>	-0.81
			<i>For >50 To 100, Deduct</i>	-1.30
			<i>For >100, Deduct</i>	-1.95
32 93 53 00-0007	EA	2	Gallon Container Tree Planting	9.12
			<i>For >10 To 25, Deduct</i>	-0.46
			<i>For >25 To 50, Deduct</i>	-1.14
			<i>For >50 To 100, Deduct</i>	-1.82
			<i>For >100, Deduct</i>	-2.74
32 93 53 00-0008	EA	3	Gallon Container Tree Planting	11.72
			<i>For >10 To 25, Deduct</i>	-0.59
			<i>For >25 To 50, Deduct</i>	-1.47
			<i>For >50 To 100, Deduct</i>	-2.34
			<i>For >100, Deduct</i>	-3.52
32 93 53 00-0009	EA	5	Gallon Container Tree Planting	19.52
			<i>For >10 To 25, Deduct</i>	-0.98
			<i>For >25 To 50, Deduct</i>	-2.44
			<i>For >50 To 100, Deduct</i>	-3.90
			<i>For >100, Deduct</i>	-5.86
32 93 53 00-0010	EA	7	Gallon Container Tree Planting	26.04
			<i>For >10 To 25, Deduct</i>	-1.30
			<i>For >25 To 50, Deduct</i>	-3.26
			<i>For >50 To 100, Deduct</i>	-5.21
			<i>For >100, Deduct</i>	-7.81
32 93 53 00-0011	EA	10	Gallon Container Tree Planting	33.84
			<i>For >10 To 25, Deduct</i>	-1.69
			<i>For >25 To 50, Deduct</i>	-4.23
			<i>For >50 To 100, Deduct</i>	-6.77
			<i>For >100, Deduct</i>	-10.15
32 93 53 00-0012	EA	15	Gallon Container Tree Planting	48.16
			<i>For >10 To 25, Deduct</i>	-2.41
			<i>For >25 To 50, Deduct</i>	-6.02
			<i>For >50 To 100, Deduct</i>	-9.63
			<i>For >100, Deduct</i>	-14.45
32 93 53 00-0013	EA	20	Gallon Container Tree Planting	79.40
			<i>For >10 To 25, Deduct</i>	-3.97
			<i>For >25 To 50, Deduct</i>	-9.93
			<i>For >50 To 100, Deduct</i>	-15.88
			<i>For >100, Deduct</i>	-23.82
32 93 53 00-0014	EA	25	Gallon Container Tree Planting	102.83
			<i>For >10 To 25, Deduct</i>	-5.14
			<i>For >25 To 50, Deduct</i>	-12.85
			<i>For >50 To 100, Deduct</i>	-20.57
			<i>For >100, Deduct</i>	-30.85
32 93 53 00-0015	EA	30	Gallon Container Tree Planting	123.66
			<i>For >10 To 25, Deduct</i>	-6.18
			<i>For >25 To 50, Deduct</i>	-15.46
			<i>For >50 To 100, Deduct</i>	-24.73
			<i>For >100, Deduct</i>	-37.10
32 93 53 00-0016	EA	45	Gallon Container Tree Planting	153.59
			<i>For >10 To 25, Deduct</i>	-7.68
			<i>For >25 To 50, Deduct</i>	-19.20
			<i>For >50 To 100, Deduct</i>	-30.72
			<i>For >100, Deduct</i>	-46.08



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0017	EA		65 Gallon Container Tree Planting.....	182.23	
			For >10 To 25, Deduct	-9.11	
			For >25 To 50, Deduct	-22.78	
			For >50 To 100, Deduct	-36.45	
			For >100, Deduct	-54.67	
32 93 53 00-0018	EA		6' Balled And Burlapped Tree Planting.....	65.08	
			For >10 To 25, Deduct	-3.25	
			For >25 To 50, Deduct	-8.14	
			For >50 To 100, Deduct	-13.02	
			For >100, Deduct	-19.52	
32 93 53 00-0019	EA		7' Balled And Burlapped Tree Planting.....	86.70	
			For >10 To 25, Deduct	-4.34	
			For >25 To 50, Deduct	-10.84	
			For >50 To 100, Deduct	-17.34	
			For >100, Deduct	-26.01	
32 93 53 00-0020	EA		8' Balled And Burlapped Tree Planting.....	97.63	
			For >10 To 25, Deduct	-4.88	
			For >25 To 50, Deduct	-12.20	
			For >50 To 100, Deduct	-19.53	
			For >100, Deduct	-29.29	
32 93 53 00-0021	EA		10' Balled And Burlapped Tree Planting.....	113.89	
			For >10 To 25, Deduct	-5.69	
			For >25 To 50, Deduct	-14.24	
			For >50 To 100, Deduct	-22.78	
			For >100, Deduct	-34.17	
32 93 53 00-0022	EA		12' Balled And Burlapped Tree Planting.....	152.29	
			For >10 To 25, Deduct	-7.61	
			For >25 To 50, Deduct	-19.04	
			For >50 To 100, Deduct	-30.46	
			For >100, Deduct	-45.69	
32 93 53 00-0023	EA		14' Balled And Burlapped Tree Planting.....	174.43	
			For >10 To 25, Deduct	-8.72	
			For >25 To 50, Deduct	-21.80	
			For >50 To 100, Deduct	-34.89	
			For >100, Deduct	-52.33	
32 93 53 00-0024	EA		16' Balled And Burlapped Tree Planting.....	211.53	
			For >10 To 25, Deduct	-10.58	
			For >25 To 50, Deduct	-26.44	
			For >50 To 100, Deduct	-42.31	
			For >100, Deduct	-63.46	
32 93 53 00-0025	EA		18' Balled And Burlapped Tree Planting.....	253.83	
			For >10 To 25, Deduct	-12.69	
			For >25 To 50, Deduct	-31.73	
			For >50 To 100, Deduct	-50.77	
			For >100, Deduct	-76.15	
32 93 53 00-0026	EA		20' Balled And Burlapped Tree Planting.....	292.88	
			For >10 To 25, Deduct	-14.64	
			For >25 To 50, Deduct	-36.61	
			For >50 To 100, Deduct	-58.58	
			For >100, Deduct	-87.86	
32 93 53 00-0027	EA		1-1/2" Caliper Balled And Burlapped Tree Planting.....	97.63	
			For >10 To 25, Deduct	-4.88	
			For >25 To 50, Deduct	-12.20	
			For >50 To 100, Deduct	-19.53	
			For >100, Deduct	-29.29	
32 93 53 00-0028	EA		2" Caliper Balled And Burlapped Tree Planting.....	113.89	
			For >10 To 25, Deduct	-5.69	
			For >25 To 50, Deduct	-14.24	
			For >50 To 100, Deduct	-22.78	
			For >100, Deduct	-34.17	
32 93 53 00-0029	EA		2-1/2" Caliper Balled And Burlapped Tree Planting.....	152.95	
			For >10 To 25, Deduct	-7.65	
			For >25 To 50, Deduct	-19.12	
			For >50 To 100, Deduct	-30.59	
			For >100, Deduct	-45.89	
32 93 53 00-0030	EA		3" Caliper Balled And Burlapped Tree Planting.....	175.73	
			For >10 To 25, Deduct	-8.79	
			For >25 To 50, Deduct	-21.97	
			For >50 To 100, Deduct	-35.15	
			For >100, Deduct	-52.72	
32 93 53 00-0031	EA		3-1/2" Caliper Balled And Burlapped Tree Planting.....	195.25	
			For >10 To 25, Deduct	-9.76	
			For >25 To 50, Deduct	-24.41	
			For >50 To 100, Deduct	-39.05	
			For >100, Deduct	-58.58	
32 93 53 00-0032	EA		4" Caliper Balled And Burlapped Tree Planting.....	223.89	
			For >10 To 25, Deduct	-11.19	
			For >25 To 50, Deduct	-27.99	
			For >50 To 100, Deduct	-44.78	
			For >100, Deduct	-67.17	
32 93 53 00-0033			Planting Shrubs <small>(32 93 53)</small>		
			Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 53 00-0034	EA		1 Gallon Container Shrub Planting.....	5.54	
			For >10 To 25, Deduct	-0.28	
			For >25 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.11	
			For >100, Deduct	-1.66	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 53 00-0035	EA 2 Gallon Container Shrub Planting.....	7.81	
	For >10 To 25, Deduct	-0.39	
	For >25 To 50, Deduct	-0.98	
	For >50 To 100, Deduct	-1.56	
	For >100, Deduct	-2.34	
32 93 53 00-0036	EA 3 Gallon Container Shrub Planting.....	9.76	
	For >10 To 25, Deduct	-0.49	
	For >25 To 50, Deduct	-1.22	
	For >50 To 100, Deduct	-1.95	
	For >100, Deduct	-2.93	
32 93 53 00-0037	EA 4 Gallon Container Shrub Planting.....	13.02	
	For >10 To 25, Deduct	-0.65	
	For >25 To 50, Deduct	-1.63	
	For >50 To 100, Deduct	-2.60	
	For >100, Deduct	-3.91	
32 93 53 00-0038	EA 5 Gallon Container Shrub Planting.....	16.28	
	For >10 To 25, Deduct	-0.81	
	For >25 To 50, Deduct	-2.04	
	For >50 To 100, Deduct	-3.26	
	For >100, Deduct	-4.88	
32 93 53 00-0039	EA 7 Gallon Container Shrub Planting.....	22.13	
	For >10 To 25, Deduct	-1.11	
	For >25 To 50, Deduct	-2.77	
	For >50 To 100, Deduct	-4.43	
	For >100, Deduct	-6.64	
32 93 53 00-0040	EA 10 Gallon Container Shrub Planting.....	29.28	
	For >10 To 25, Deduct	-1.46	
	For >25 To 50, Deduct	-3.66	
	For >50 To 100, Deduct	-5.86	
	For >100, Deduct	-8.78	
32 93 53 00-0041	EA 15 Gallon Container Shrub Planting.....	40.35	
	For >10 To 25, Deduct	-2.02	
	For >25 To 50, Deduct	-5.04	
	For >50 To 100, Deduct	-8.07	
	For >100, Deduct	-12.11	
32 93 53 00-0042	EA 20 Gallon Container Shrub Planting.....	67.69	
	For >10 To 25, Deduct	-3.38	
	For >25 To 50, Deduct	-8.46	
	For >50 To 100, Deduct	-13.54	
	For >100, Deduct	-20.31	
32 93 53 00-0043	EA 25 Gallon Container Shrub Planting.....	86.70	
	For >10 To 25, Deduct	-4.34	
	For >25 To 50, Deduct	-10.84	
	For >50 To 100, Deduct	-17.34	
	For >100, Deduct	-26.01	
32 93 53 00-0044	EA 15" Balled And Burlapped Shrub Planting.....	18.22	
	For >10 To 25, Deduct	-0.91	
	For >25 To 50, Deduct	-2.28	
	For >50 To 100, Deduct	-3.64	
	For >100, Deduct	-5.47	
32 93 53 00-0045	EA 18" Balled And Burlapped Shrub Planting.....	18.88	
	For >10 To 25, Deduct	-0.94	
	For >25 To 50, Deduct	-2.36	
	For >50 To 100, Deduct	-3.78	
	For >100, Deduct	-5.66	
32 93 53 00-0046	EA 24" Balled And Burlapped Shrub Planting.....	20.82	
	For >10 To 25, Deduct	-1.04	
	For >25 To 50, Deduct	-2.60	
	For >50 To 100, Deduct	-4.16	
	For >100, Deduct	-6.25	
32 93 53 00-0047	EA 30" Balled And Burlapped Shrub Planting.....	20.82	
	For >10 To 25, Deduct	-1.04	
	For >25 To 50, Deduct	-2.60	
	For >50 To 100, Deduct	-4.16	
	For >100, Deduct	-6.25	
32 93 53 00-0048	EA 36" Balled And Burlapped Shrub Planting.....	22.78	
	For >10 To 25, Deduct	-1.14	
	For >25 To 50, Deduct	-2.85	
	For >50 To 100, Deduct	-4.56	
	For >100, Deduct	-6.83	
32 93 53 00-0049	EA 42" Balled And Burlapped Shrub Planting.....	24.08	
	For >10 To 25, Deduct	-1.20	
	For >25 To 50, Deduct	-3.01	
	For >50 To 100, Deduct	-4.82	
	For >100, Deduct	-7.22	
32 93 53 00-0050	EA 48" Balled And Burlapped Shrub Planting.....	26.04	
	For >10 To 25, Deduct	-1.30	
	For >25 To 50, Deduct	-3.26	
	For >50 To 100, Deduct	-5.21	
	For >100, Deduct	-7.81	
32 93 53 00-0051	EA 5' Balled And Burlapped Shrub Planting.....	39.05	
	For >10 To 25, Deduct	-1.95	
	For >25 To 50, Deduct	-4.88	
	For >50 To 100, Deduct	-7.81	
	For >100, Deduct	-11.72	
32 93 53 00-0052	EA 6' Balled And Burlapped Shrub Planting.....	55.32	
	For >10 To 25, Deduct	-2.77	
	For >25 To 50, Deduct	-6.92	
	For >50 To 100, Deduct	-11.06	
	For >100, Deduct	-16.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0053	EA		7' Balled And Burlapped Shrub Planting.....	73.55	
			For >10 To 25, Deduct	-3.68	
			For >25 To 50, Deduct	-9.19	
			For >50 To 100, Deduct	-14.71	
			For >100, Deduct	-22.07	
32 93 53 00-0054	EA		8' Balled And Burlapped Shrub Planting.....	83.31	
			For >10 To 25, Deduct	-4.17	
			For >25 To 50, Deduct	-10.41	
			For >50 To 100, Deduct	-16.66	
			For >100, Deduct	-24.99	
32 93 53 00-0055	EA		9' Balled And Burlapped Shrub Planting.....	89.82	
			For >10 To 25, Deduct	-4.49	
			For >25 To 50, Deduct	-11.23	
			For >50 To 100, Deduct	-17.96	
			For >100, Deduct	-26.95	
32 93 53 00-0056	EA		10' Balled And Burlapped Shrub Planting.....	97.63	
			For >10 To 25, Deduct	-4.88	
			For >25 To 50, Deduct	-12.20	
			For >50 To 100, Deduct	-19.53	
			For >100, Deduct	-29.29	
32 93 53 00-0057			Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 53)		
			See CSI section 32 91 13 16-0001 for mulch.		
32 93 53 00-0058	EA		2-1/4" Diameter Potted Groundcover And Flower Planting.....	0.54	
			For >10 To 25, Deduct	-0.03	
			For >25 To 50, Deduct	-0.07	
			For >50 To 100, Deduct	-0.11	
			For >100, Deduct	-0.16	
32 93 53 00-0059	EA		3" Diameter Potted Groundcover And Flower Planting.....	0.61	
			For >10 To 25, Deduct	-0.03	
			For >25 To 50, Deduct	-0.08	
			For >50 To 100, Deduct	-0.12	
			For >100, Deduct	-0.18	
32 93 53 00-0060	EA		4" Diameter Potted Groundcover And Flower Planting.....	0.73	
			For >10 To 25, Deduct	-0.04	
			For >25 To 50, Deduct	-0.09	
			For >50 To 100, Deduct	-0.15	
			For >100, Deduct	-0.22	
32 93 53 00-0061	EA		5-1/2" Diameter Potted Groundcover And Flower Planting.....	0.87	
			For >10 To 25, Deduct	-0.04	
			For >25 To 50, Deduct	-0.11	
			For >50 To 100, Deduct	-0.17	
			For >100, Deduct	-0.26	
32 93 53 00-0062	EA		6" Diameter Potted Groundcover And Flower Planting.....	1.09	
			For >10 To 25, Deduct	-0.05	
			For >25 To 50, Deduct	-0.14	
			For >50 To 100, Deduct	-0.22	
			For >100, Deduct	-0.33	
32 93 53 00-0063	EA		8" Diameter Potted Groundcover And Flower Planting.....	1.62	
			For >10 To 25, Deduct	-0.08	
			For >25 To 50, Deduct	-0.20	
			For >50 To 100, Deduct	-0.32	
			For >100, Deduct	-0.49	
32 93 53 00-0064	EA		1 Gallon Container Groundcover And Flower Planting.....	5.20	
			For >10 To 25, Deduct	-0.26	
			For >25 To 50, Deduct	-0.65	
			For >50 To 100, Deduct	-1.04	
			For >100, Deduct	-1.56	
32 93 53 00-0065	EA		2 Gallon Container Groundcover And Flower Planting.....	7.16	
			For >10 To 25, Deduct	-0.36	
			For >25 To 50, Deduct	-0.90	
			For >50 To 100, Deduct	-1.43	
			For >100, Deduct	-2.15	
32 93 53 00-0066	EA		3 Gallon Container Groundcover And Flower Planting.....	9.12	
			For >10 To 25, Deduct	-0.46	
			For >25 To 50, Deduct	-1.14	
			For >50 To 100, Deduct	-1.82	
			For >100, Deduct	-2.74	
32 93 53 00-0067	EA		4 Gallon Container Groundcover And Flower Planting.....	11.72	
			For >10 To 25, Deduct	-0.59	
			For >25 To 50, Deduct	-1.47	
			For >50 To 100, Deduct	-2.34	
			For >100, Deduct	-3.52	
32 93 53 00-0068	EA		5 Gallon Container Groundcover And Flower Planting.....	14.32	
			For >10 To 25, Deduct	-0.72	
			For >25 To 50, Deduct	-1.79	
			For >50 To 100, Deduct	-2.86	
			For >100, Deduct	-4.30	
32 93 53 00-0069	EA		7 Gallon Container Groundcover And Flower Planting.....	19.52	
			For >10 To 25, Deduct	-0.98	
			For >25 To 50, Deduct	-2.44	
			For >50 To 100, Deduct	-3.90	
			For >100, Deduct	-5.86	
32 93 53 00-0070	EA		Bulb Planting.....	0.32	
			For >10 To 25, Deduct	-0.02	
			For >25 To 50, Deduct	-0.04	
			For >50 To 100, Deduct	-0.06	
			For >100, Deduct	-0.10	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 53 00-0071	EA	Flats Of 24 Groundcover And Flower Planting.....	9.11	
		<i>For >10 To 25, Deduct</i>	-0.46	
		<i>For >25, Deduct</i>	-1.14	
32 93 53 00-0072	EA	Flats Of 36 Groundcover And Flower Planting.....	12.92	
		<i>For >10 To 25, Deduct</i>	-0.65	
		<i>For >25, Deduct</i>	-1.62	
32 93 53 00-0073	EA	Flats Of 48 Groundcover And Flower Planting.....	17.20	
		<i>For >10 To 25, Deduct</i>	-0.86	
		<i>For >25, Deduct</i>	-2.15	

32 94 Planting Accessories (32 90)**32 94 13 Landscape Edging** (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	4.13	0.80
32 94 13 00-0003	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	4.65	0.80
32 94 13 00-0004	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	4.68	0.80
32 94 13 00-0005	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	5.55	0.83
32 94 13 00-0006	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	6.19	0.83
32 94 13 00-0007	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	6.18	0.83
32 94 13 00-0008	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	4.73	0.86
32 94 13 00-0009	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	5.44	0.86
32 94 13 00-0010	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	5.52	0.86
32 94 13 00-0011	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	6.38	0.88
32 94 13 00-0012	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	7.10	0.88
32 94 13 00-0013	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	7.16	0.88
32 94 13 00-0014	LF	3/16" x 4" Powder Coated Steel Landscape Edging	5.48	0.83
32 94 13 00-0015	LF	1/4" x 5" Powder Coated Steel Landscape Edging	8.31	0.83
32 94 13 00-0016	LF	2" x 8" x 16" Precast Scallops, Green.....	2.32	0.61
32 94 13 00-0017	LF	2" x 8" x 16" Precast Scallops, Other Than Green.....	2.10	0.61
32 94 13 00-0018	LF	Brick, Set Horizontally, 1-1/2 Per LF	2.87	0.67
32 94 13 00-0019	LF	Brick, Set Horizontally, 3 Per LF	6.74	1.83
32 94 13 00-0020	LF	"V" Trenching By Machine, 4" Deep x 4" Wide	0.69	

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001	LF	6" x 8" Railroad Ties	7.50	1.64
32 94 16 00-0002	LF	7" x 9" Railroad Ties	8.80	2.07
32 94 16 00-0003	LF	1" x 4" Redwood	2.59	0.59
32 94 16 00-0004	LF	2" x 4" Redwood Edging	3.36	0.89
32 94 16 00-0005	LF	4" x 6" Pressure Treated Hardwood.....	4.81	1.18
32 94 16 00-0006	LF	6" x 6" Pressure Treated Hardwood.....	6.45	1.48
32 94 16 00-0007	LF	6" x 8" Pressure Treated Hardwood.....	7.47	1.74
32 94 16 00-0008	LF	1" x 4" Pressure Treated Pine.....	1.60	0.59
32 94 16 00-0009	LF	2" x 4" Pressure Treated Pine.....	2.45	0.89
32 94 16 00-0010	LF	4" x 6" Pressure Treated Pine.....	4.54	1.15
32 94 16 00-0011	LF	6" x 6" Pressure Treated Pine.....	6.37	1.48
32 94 16 00-0012	LF	6" x 8" Pressure Treated Pine.....	7.95	1.74

32 94 43 Tree Grates (32 94)**32 94 43 00-0001 Tree Grates With Frames** (32 94 43)**32 94 43 00-0002 Round Cast Iron Tree Grates With Frames** (32 94 43 00-0001)

32 94 43 00-0003	EA	32" Diameter, 100 To 150 LB Cast Iron Tree Gate With Frame	441.84	20.83
		<i>For >3 To 9, Deduct</i>	-30.01	
		<i>For >9, Deduct</i>	-62.03	
32 94 43 00-0004	EA	36" Diameter, 125 To 175 LB Cast Iron Tree Gate With Frame	514.59	20.83
		<i>For >3 To 9, Deduct</i>	-35.47	
		<i>For >9, Deduct</i>	-73.31	
32 94 43 00-0005	EA	42" Diameter, 150 To 200 LB Cast Iron Tree Gate With Frame	619.43	27.77
		<i>For >3 To 9, Deduct</i>	-42.29	
		<i>For >9, Deduct</i>	-87.40	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 LB Cast Iron Tree Gate With Frame	777.79	27.77
		<i>For >3 To 9, Deduct</i>	-54.17	
		<i>For >9, Deduct</i>	-111.95	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 LB Cast Iron Tree Gate With Frame	998.18	34.71
		<i>For >3 To 9, Deduct</i>	-69.66	
		<i>For >9, Deduct</i>	-143.96	
32 94 43 00-0008	EA	60" Diameter, Up To 350 LB Cast Iron Tree Gate With Frame	1,042.02	41.65
		<i>For >3 To 9, Deduct</i>	-71.90	
		<i>For >9, Deduct</i>	-148.60	
32 94 43 00-0009	EA	60" Diameter, >350 LB Cast Iron Tree Gate With Frame	1,152.23	41.65
		<i>For >3 To 9, Deduct</i>	-80.17	
		<i>For >9, Deduct</i>	-165.68	
32 94 43 00-0010	EA	72" Diameter, Up To 550 LB Cast Iron Tree Gate With Frame	1,530.42	59.00
		<i>For >3 To 9, Deduct</i>	-105.93	
		<i>For >9, Deduct</i>	-218.92	
32 94 43 00-0011	EA	72" Diameter, >500 To 550 LB Cast Iron Tree Gate With Frame	1,594.62	59.00
		<i>For >3 To 9, Deduct</i>	-110.75	
		<i>For >9, Deduct</i>	-228.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0012	EA		72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame	1,648.12	59.00
			For >3 To 9, Deduct	-114.76	
			For >9, Deduct	-237.17	
32 94 43 00-0013	EA		72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame	1,690.92	59.00
			For >3 To 9, Deduct	-117.97	
			For >9, Deduct	-243.80	
32 94 43 00-0014	EA		72" Diameter, >700 LB Cast Iron Tree Grate With Frame	1,723.02	59.00
			For >3 To 9, Deduct	-120.38	
			For >9, Deduct	-248.78	
32 94 43 00-0015	EA		93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame	1,885.09	69.42
			For >3 To 9, Deduct	-130.97	
			For >9, Deduct	-270.67	
32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)					
32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame.....	405.45	20.83
			For >3 To 9, Deduct	-27.29	
			For >9, Deduct	-56.39	
32 94 43 00-0018	EA		36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame.....	496.40	20.83
			For >3 To 9, Deduct	-34.11	
			For >9, Deduct	-70.49	
32 94 43 00-0019	EA		48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	732.82	34.71
			For >3 To 9, Deduct	-49.76	
			For >9, Deduct	-102.83	
32 94 43 00-0020	EA		48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame.....	871.92	34.71
			For >3 To 9, Deduct	-60.19	
			For >9, Deduct	-124.39	
32 94 43 00-0021	EA		48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame.....	1,000.32	34.71
			For >3 To 9, Deduct	-69.82	
			For >9, Deduct	-144.29	
32 94 43 00-0022	EA		48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame.....	1,118.02	34.71
			For >3 To 9, Deduct	-78.65	
			For >9, Deduct	-162.53	
32 94 43 00-0023	EA		48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame.....	1,225.02	34.71
			For >3 To 9, Deduct	-86.67	
			For >9, Deduct	-179.12	
32 94 43 00-0024	EA		48" x 48", >400 LB Cast Iron Tree Grate With Frame.....	1,321.32	34.71
			For >3 To 9, Deduct	-93.89	
			For >9, Deduct	-194.04	
32 94 43 00-0025	EA		60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	1,252.79	48.59
			For >3 To 9, Deduct	-86.67	
			For >9, Deduct	-179.12	
32 94 43 00-0026	EA		60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame.....	1,349.09	48.59
			For >3 To 9, Deduct	-93.89	
			For >9, Deduct	-194.04	
32 94 43 00-0027	EA		60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame.....	1,434.69	48.59
			For >3 To 9, Deduct	-100.31	
			For >9, Deduct	-207.31	
32 94 43 00-0028	EA		60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame.....	1,509.59	48.59
			For >3 To 9, Deduct	-105.93	
			For >9, Deduct	-218.92	
32 94 43 00-0029	EA		60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame.....	1,573.79	48.59
			For >3 To 9, Deduct	-110.75	
			For >9, Deduct	-228.87	
32 94 43 00-0030	EA		60" x 60", >600 LB Cast Iron Tree Grate With Frame.....	1,627.29	48.59
			For >3 To 9, Deduct	-114.76	
			For >9, Deduct	-237.17	
32 94 43 00-0031	EA		72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	1,530.42	59.00
			For >3 To 9, Deduct	-105.93	
			For >9, Deduct	-218.92	
32 94 43 00-0032	EA		72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame.....	1,594.62	59.00
			For >3 To 9, Deduct	-110.75	
			For >9, Deduct	-228.87	
32 94 43 00-0033	EA		72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame.....	1,648.12	59.00
			For >3 To 9, Deduct	-114.76	
			For >9, Deduct	-237.17	
32 94 43 00-0034	EA		72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame.....	1,690.92	59.00
			For >3 To 9, Deduct	-117.97	
			For >9, Deduct	-243.80	
32 94 43 00-0035	EA		72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame.....	1,723.02	59.00
			For >3 To 9, Deduct	-120.38	
			For >9, Deduct	-248.78	
32 94 43 00-0036	EA		72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame.....	1,744.42	59.00
			For >3 To 9, Deduct	-121.98	
			For >9, Deduct	-252.09	
32 94 43 00-0037	EA		72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame.....	1,755.12	59.00
			For >3 To 9, Deduct	-122.78	
			For >9, Deduct	-253.75	
32 94 43 00-0038	EA		72" x 72", >850 LB Cast Iron Tree Grate With Frame.....	1,765.82	59.00
			For >3 To 9, Deduct	-123.59	
			For >9, Deduct	-255.41	
32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)					
32 94 43 00-0040	EA		36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	777.79	27.77
			For >3 To 9, Deduct	-54.17	
			For >9, Deduct	-111.95	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0041	EA		36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame	793.84	27.77
			For >3 To 9, Deduct	-55.37	
			For >9, Deduct	-114.44	
32 94 43 00-0042	EA		36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame	969.29	34.71
			For >3 To 9, Deduct	-67.49	
			For >9, Deduct	-139.48	
32 94 43 00-0043	EA		48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame	1,147.98	34.71
			For >3 To 9, Deduct	-80.89	
			For >9, Deduct	-167.18	
32 94 43 00-0044	EA		48" x 72", >350 LB Cast Iron Tree Grate With Frame	1,225.02	34.71
			For >3 To 9, Deduct	-86.67	
			For >9, Deduct	-179.12	
32 94 43 00-0045	EA		60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame	1,626.72	59.00
			For >3 To 9, Deduct	-113.15	
			For >9, Deduct	-233.85	

32 94 49 Plant And Tree Accessories (32 94)**32 94 49 00-0001 Tree Guying (32 94 49)****32 94 49 00-0002 Tree Guying, Stakes (32 94 49 00-0001)**

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA		Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	11.42	
32 94 49 00-0004	EA		Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	17.30	
32 94 49 00-0005	EA		Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	29.89	

32 94 49 00-0006 Tree Guying, Anchors (32 94 49 00-0001)

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA		Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	52.93	
32 94 49 00-0008	EA		Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	72.01	
32 94 49 00-0009	EA		Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	94.84	
32 94 49 00-0010	EA		Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	118.58	

32 94 49 00-0011 Tree Wrap (32 94 49)

32 94 49 00-0012	EA		Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	2.15	
32 94 49 00-0013	EA		Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	3.72	
32 94 49 00-0014	EA		Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	7.63	
32 94 49 00-0015	EA		Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	12.48	

32 94 49 00-0016 Tree Guards (32 94 49)

32 94 49 00-0017	EA		3' Preformed Plastic Tree Guard	4.00	
32 94 49 00-0018	EA		2' Preformed Plastic Tree Guard	3.49	

32 94 49 00-0019 Stake Out Tree And Shrub Locations (32 94 49)

Note: When no design available.

32 94 49 00-0020	EA		Stake Out Trees Or Shrubs	2.06	
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32 94 49 00-0021 Root Barriers (32 94 49)

32 94 49 00-0022	EA		12" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	5.80	
32 94 49 00-0023	EA		18" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	8.68	
32 94 49 00-0024	EA		24" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	10.36	
32 94 49 00-0025	EA		36" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	20.46	
32 94 49 00-0026	EA		48" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner	28.68	

32 94 49 00-0027 Porous Paving (32 94 49)

32 94 49 00-0028	SF		3" Porous Epoxy Paving At Tree Pit	25.00	
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32 96 Transplanting (32 90)

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001 Moving Shrubs On Site, Relocate (32 96 33)

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA		Up To 18" Root Ball, Move Shrubs On Site	19.22	
			For >25 To 50, Deduct	-1.92	
			For >50, Deduct	-2.88	
32 96 33 00-0003	EA		>18" To 24" Root Ball, Move Shrubs On Site	26.37	
			For >25 To 50, Deduct	-2.64	
			For >50, Deduct	-3.96	
32 96 33 00-0004	EA		>24" To 30" Root Ball, Move Shrubs On Site	32.95	
			For >25 To 50, Deduct	-3.30	
			For >50, Deduct	-4.94	
32 96 33 00-0005	EA		>30" To 36" Root Ball, Move Shrubs On Site	42.92	
			For >25 To 50, Deduct	-4.29	
			For >50, Deduct	-6.44	



		Exterior Improvements	32
		Planting	32 90
		Transplanting	32 96

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 96 43

Tree Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001

Moving Trees On Site, Relocate (32 96 43)

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA Up To 24" Root Ball, Move Trees On Site	105.33
	For >5 To 10, Deduct	-5.27
	For >10 To 20, Deduct	-10.53
	For >20, Deduct	-15.80
32 96 43 00-0003	EA >24" To 30" Root Ball, Move Trees On Site.....	144.44
	For >5 To 10, Deduct	-7.22
	For >10 To 20, Deduct	-14.44
	For >20, Deduct	-21.67
32 96 43 00-0004	EA >30" To 36" Root Ball, Move Trees On Site.....	234.06
	For >5 To 10, Deduct	-11.70
	For >10 To 20, Deduct	-23.41
	For >20, Deduct	-35.11
32 96 43 00-0005	EA >36" To 48" Root Ball, Move Trees On Site.....	388.89
	For >5 To 10, Deduct	-19.44
	For >10 To 20, Deduct	-38.89
	For >20, Deduct	-58.33
32 96 43 00-0006	EA >48" To 60" Root Ball, Move Trees On Site.....	631.96
	For >5 To 10, Deduct	-31.60
	For >10 To 20, Deduct	-63.20
	For >20, Deduct	-94.79
32 96 43 00-0007	EA >60" To 72" Root Ball, Move Trees On Site.....	815.43
	For >5 To 10, Deduct	-40.77
	For >10 To 20, Deduct	-81.54
	For >20, Deduct	-122.31
32 96 43 00-0008	EA >72" To 84" Root Ball, Move Trees On Site.....	1,053.26
	For >5 To 10, Deduct	-52.66
	For >10 To 20, Deduct	-105.33
	For >20, Deduct	-157.99
32 96 43 00-0009	EA >84" To 96" Root Ball, Move Trees On Site.....	1,263.91
	For >5 To 10, Deduct	-63.20
	For >10 To 20, Deduct	-126.39
	For >20, Deduct	-189.59
32 96 43 00-0010	EA >96" To 120" Root Ball, Move Trees On Site.....	1,436.26
	For >5 To 10, Deduct	-71.81
	For >10 To 20, Deduct	-143.63
	For >20, Deduct	-215.44

END OF SECTION 32

32 Exterior Improvements

32 90 Planting

32 96 Transplanting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 Utilities

33 01 Operation And Maintenance Of Utilities ⁽³³⁾

33 01 10 Operation And Maintenance Of Water Utilities ^(33 01)

33 01 10 58 Disinfection of Water Utility Piping Systems ^(33 01 10)

33 01 10 58-0001 Water Main Disinfection/Sterilization ^(33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	345.89
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	172.95
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.13
		For >250 To 500, Deduct	-0.01
		For >500 To 1,000, Deduct	-0.01
		For >1,000 To 2,000, Deduct	-0.02
		For >2,000 To 5,000, Deduct	-0.03
		For >5,000, Deduct	-0.03
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.20
		For >250 To 500, Deduct	-0.01
		For >500 To 1,000, Deduct	-0.02
		For >1,000 To 2,000, Deduct	-0.03
		For >2,000 To 5,000, Deduct	-0.04
		For >5,000, Deduct	-0.05
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.26
		For >250 To 500, Deduct	-0.01
		For >500 To 1,000, Deduct	-0.03
		For >1,000 To 2,000, Deduct	-0.04
		For >2,000 To 5,000, Deduct	-0.05
		For >5,000, Deduct	-0.07
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.31
		For >250 To 500, Deduct	-0.02
		For >500 To 1,000, Deduct	-0.03
		For >1,000 To 2,000, Deduct	-0.05
		For >2,000 To 5,000, Deduct	-0.06
		For >5,000, Deduct	-0.08
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	0.40
		For >250 To 500, Deduct	-0.02
		For >500 To 1,000, Deduct	-0.04
		For >1,000 To 2,000, Deduct	-0.06
		For >2,000 To 5,000, Deduct	-0.08
		For >5,000, Deduct	-0.10
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	0.45
		For >250 To 500, Deduct	-0.02
		For >500 To 1,000, Deduct	-0.05
		For >1,000 To 2,000, Deduct	-0.07
		For >2,000 To 5,000, Deduct	-0.09
		For >5,000, Deduct	-0.11
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	0.52
		For >250 To 500, Deduct	-0.03
		For >500 To 1,000, Deduct	-0.05
		For >1,000 To 2,000, Deduct	-0.08
		For >2,000 To 5,000, Deduct	-0.10
		For >5,000, Deduct	-0.13
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	0.62
		For >250 To 500, Deduct	-0.03
		For >500 To 1,000, Deduct	-0.06
		For >1,000 To 2,000, Deduct	-0.09
		For >2,000 To 5,000, Deduct	-0.12
		For >5,000, Deduct	-0.16
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	0.78
		For >250 To 500, Deduct	-0.04
		For >500 To 1,000, Deduct	-0.08
		For >1,000 To 2,000, Deduct	-0.12
		For >2,000 To 5,000, Deduct	-0.16
		For >5,000, Deduct	-0.20
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	1.15
		For >250 To 500, Deduct	-0.06
		For >500 To 1,000, Deduct	-0.12
		For >1,000 To 2,000, Deduct	-0.17
		For >2,000 To 5,000, Deduct	-0.23
		For >5,000, Deduct	-0.29
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	1.60
		For >250 To 500, Deduct	-0.08
		For >500 To 1,000, Deduct	-0.16
		For >1,000 To 2,000, Deduct	-0.24
		For >2,000 To 5,000, Deduct	-0.32
		For >5,000, Deduct	-0.40

33 01 30 Operation And Maintenance Of Sewer Utilities ^(33 01)

33 01 30 11 Television Inspection Of Pipelines ^(33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD. Records and reporting must comply with the latest specifications and standards.

33 01 30 11-0001 Remote Visual inspection (RVI) Of Pipe Interior And Culverts ^(33 01 30 11)

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 11-0002	Video Camera Set-up (33 01 30 11-0001)		
33 01 30 11-0003	EA Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	346.42	
	Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.		
33 01 30 11-0004	EA Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert.....	692.84	
	Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).		
33 01 30 11-0005	EA Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	1,039.27	
33 01 30 11-0006	EA Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	173.21	
33 01 30 11-0007	EA Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	346.42	
33 01 30 11-0008	Video Camera Planning And Analysis Inspection (33 01 30 11-0001)		
	Note: For pipe interior and culverts.		
33 01 30 11-0009	LF 4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase.....	0.88	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.09	
	For >1,000 To 5,000, Deduct	-0.22	
	For >5,000, Deduct	-0.31	
33 01 30 11-0010	LF >6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase.....	1.17	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.12	
	For >1,000 To 5,000, Deduct	-0.29	
	For >5,000, Deduct	-0.41	
33 01 30 11-0011	LF >12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase.....	1.46	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.15	
	For >1,000 To 5,000, Deduct	-0.37	
	For >5,000, Deduct	-0.51	
33 01 30 11-0012	LF >21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....	1.95	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.20	
	For >1,000 To 5,000, Deduct	-0.49	
	For >5,000, Deduct	-0.68	
33 01 30 11-0013	LF >30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....	2.75	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.28	
	For >1,000 To 5,000, Deduct	-0.69	
	For >5,000, Deduct	-0.96	
33 01 30 11-0014	LF >42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....	3.66	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.37	
	For >1,000 To 5,000, Deduct	-0.92	
	For >5,000, Deduct	-1.28	
33 01 30 11-0015	LF >60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....	5.17	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.52	
	For >1,000 To 5,000, Deduct	-1.29	
	For >5,000, Deduct	-1.81	
33 01 30 11-0016	LF >72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....	7.32	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.73	
	For >1,000 To 5,000, Deduct	-1.83	
	For >5,000, Deduct	-2.56	
33 01 30 11-0017	Video Camera Pre-Rehab For Pipe Interior And Culverts (33 01 30 11-0001)		
33 01 30 11-0018	LF 4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	1.29	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.13	
	For >1,000 To 5,000, Deduct	-0.32	
	For >5,000, Deduct	-0.45	
33 01 30 11-0019	LF >6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	1.73	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.17	
	For >1,000 To 5,000, Deduct	-0.43	
	For >5,000, Deduct	-0.61	
33 01 30 11-0020	LF >12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	2.16	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.22	
	For >1,000 To 5,000, Deduct	-0.54	
	For >5,000, Deduct	-0.76	
33 01 30 11-0021	LF >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	2.89	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.29	
	For >1,000 To 5,000, Deduct	-0.72	
	For >5,000, Deduct	-1.01	
33 01 30 11-0022	LF >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	4.06	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.41	
	For >1,000 To 5,000, Deduct	-1.02	
	For >5,000, Deduct	-1.42	
33 01 30 11-0023	LF >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	5.41	
	Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.54	
	For >1,000 To 5,000, Deduct	-1.35	
	For >5,000, Deduct	-1.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0024 LF >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....7.64 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.76 For >1,000 To 5,000, Deduct -1.91 For >5,000, Deduct -2.67		
33 01 30 11-0025 LF >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....10.82 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -1.08 For >1,000 To 5,000, Deduct -2.71 For >5,000, Deduct -3.79		
33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts (33 01 30 11-0001)		
33 01 30 11-0027 LF 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase .....0.93 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.09 For >1,000 To 5,000, Deduct -0.23 For >5,000, Deduct -0.33		
33 01 30 11-0028 LF >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase .....1.23 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.12 For >1,000 To 5,000, Deduct -0.31 For >5,000, Deduct -0.43		
33 01 30 11-0029 LF >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase .....1.55 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.16 For >1,000 To 5,000, Deduct -0.39 For >5,000, Deduct -0.54		
33 01 30 11-0030 LF >21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase .....2.07 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.21 For >1,000 To 5,000, Deduct -0.52 For >5,000, Deduct -0.72		
33 01 30 11-0031 LF >30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase .....2.90 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.29 For >1,000 To 5,000, Deduct -0.73 For >5,000, Deduct -1.02		
33 01 30 11-0032 LF >42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase .....3.86 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.39 For >1,000 To 5,000, Deduct -0.97 For >5,000, Deduct -1.35		
33 01 30 11-0033 LF >60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase .....5.46 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.55 For >1,000 To 5,000, Deduct -1.37 For >5,000, Deduct -1.91		
33 01 30 11-0034 LF >72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase .....7.73 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.77 For >1,000 To 5,000, Deduct -1.93 For >5,000, Deduct -2.71		
33 01 30 23 Pipe Bursting (33 01 30)		
33 01 30 23-0001 Pipe Bursting (33 01 30 23) Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 01 22 20 00-0000 for hourly rates for emergency after hours response for homeowners backups, 02 30 00 00-0000 for soil testing, 31 11 00 00-0000 for tree removal, 31 13 13 00-0001 for tree removal, 31 25 14 23-0000 for erosion control, 32 01 17 63-0000 for temporary paving, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection.		
33 01 30 23-0002 Manhole Chipping (33 01 30 23-0001) Note: For use at manholes to open holes for pipe bursting head.		
33 01 30 23-0003 EA 6" To 15" Diameter, Manhole Chipping.....132.85		
33 01 30 23-0004 EA >15" To 24" Diameter, Manhole Chipping.....155.97		
33 01 30 23-0005 EA >24" To 36" Diameter, Manhole Chipping.....194.95		
33 01 30 23-0006 Pipe Bursting (33 01 30 23-0001) Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0047 for PE piping.		
33 01 30 23-0007 Pipe Bursting Equipment Set-up (33 01 30 23-0006)		
33 01 30 23-0008 EA Initial Set-up Pipe Bursting Equipment .....3,125.39		
33 01 30 23-0009 EA Re-Set Up/Move Pipe Bursting Equipment .....1,562.70		
33 01 30 23-0010 EA Set Up/Move Pipe Bursting Equipment For Laterals.....781.35		
33 01 30 23-0011 Pneumatic Head Pipe Bursting (33 01 30 23-0006)		

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 23-0012	LF 4" Diameter, Pneumatic Head Pipe Bursting	12.41
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.55
	For >150 To 200, Add	0.36
	For >100 To 150, Add	0.71
	For >75 To 100, Add	1.07
	For >50 To 75, Add	1.42
	For >25 To 50, Add	2.13
	For Up To 25, Add	3.20
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	0.71
	For Bursting Ductile Iron Pipe, Add	1.78
33 01 30 23-0013	LF 6" Diameter, Pneumatic Head Pipe Bursting	14.12
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.68
	For >150 To 200, Add	0.44
	For >100 To 150, Add	0.88
	For >75 To 100, Add	1.32
	For >50 To 75, Add	1.76
	For >25 To 50, Add	2.64
	For Up To 25, Add	3.96
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	0.88
	For Bursting Ductile Iron Pipe, Add	2.20
33 01 30 23-0014	LF 8" Diameter, Pneumatic Head Pipe Bursting	15.72
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.80
	For >150 To 200, Add	0.52
	For >100 To 150, Add	1.04
	For >75 To 100, Add	1.56
	For >50 To 75, Add	2.08
	For >25 To 50, Add	3.12
	For Up To 25, Add	4.68
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.04
	For Bursting Ductile Iron Pipe, Add	2.60
33 01 30 23-0015	LF 10" Diameter, Pneumatic Head Pipe Bursting	17.78
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.96
	For >150 To 200, Add	0.62
	For >100 To 150, Add	1.25
	For >75 To 100, Add	1.87
	For >50 To 75, Add	2.49
	For >25 To 50, Add	3.74
	For Up To 25, Add	5.61
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.25
	For Bursting Ductile Iron Pipe, Add	3.12
33 01 30 23-0016	LF 12" Diameter, Pneumatic Head Pipe Bursting	20.17
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.14
	For >150 To 200, Add	0.74
	For >100 To 150, Add	1.49
	For >75 To 100, Add	2.23
	For >50 To 75, Add	2.97
	For >25 To 50, Add	4.46
	For Up To 25, Add	6.69
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.49
	For Bursting Ductile Iron Pipe, Add	3.72
33 01 30 23-0017	LF 15" Diameter, Pneumatic Head Pipe Bursting	22.67
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.18
	For >150 To 200, Add	0.77
	For >100 To 150, Add	1.53
	For >75 To 100, Add	2.30
	For >50 To 75, Add	3.07
	For >25 To 50, Add	4.60
	For Up To 25, Add	6.90
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.53
	For Bursting Ductile Iron Pipe, Add	3.83
33 01 30 23-0018	LF 18" Diameter, Pneumatic Head Pipe Bursting	25.07
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.37
	For >150 To 200, Add	0.89
	For >100 To 150, Add	1.77
	For >75 To 100, Add	2.66
	For >50 To 75, Add	3.55
	For >25 To 50, Add	5.32
	For Up To 25, Add	7.98
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.77
	For Bursting Ductile Iron Pipe, Add	4.43
33 01 30 23-0019	LF 21"/22" Diameter, Pneumatic Head Pipe Bursting	32.11
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.62
	For >150 To 200, Add	1.05
	For >100 To 150, Add	2.11
	For >75 To 100, Add	3.16
	For >50 To 75, Add	4.22
	For >25 To 50, Add	6.33
	For Up To 25, Add	9.49
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.11
	For Bursting Ductile Iron Pipe, Add	5.27
33 01 30 23-0020	LF 24" Diameter, Pneumatic Head Pipe Bursting	38.88
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.15
	For >150 To 200, Add	1.39
	For >100 To 150, Add	2.79
	For >75 To 100, Add	4.18
	For >50 To 75, Add	5.57
	For >25 To 50, Add	8.36
	For Up To 25, Add	12.54
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.79
	For Bursting Ductile Iron Pipe, Add	6.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0021 LF 30" Diameter, Pneumatic Head Pipe Bursting	43.59	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.23	
For >150 To 200, Add	1.45	
For >100 To 150, Add	2.89	
For >75 To 100, Add	4.34	
For >50 To 75, Add	5.78	
For >25 To 50, Add	8.67	
For Up To 25, Add	13.01	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.89	
For Bursting Ductile Iron Pipe, Add	7.23	
33 01 30 23-0022 LF 36" Diameter, Pneumatic Head Pipe Bursting	56.37	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.21	
For >150 To 200, Add	2.08	
For >100 To 150, Add	4.17	
For >75 To 100, Add	6.25	
For >50 To 75, Add	8.34	
For >25 To 50, Add	12.51	
For Up To 25, Add	18.76	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.17	
For Bursting Ductile Iron Pipe, Add	10.42	
33 01 30 23-0023 Static Head Pipe Bursting (33 01 30 23-0006)	15.87	
33 01 30 23-0024 LF 4" Diameter, Static Head Pipe Bursting	15.87	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.81	
For >150 To 200, Add	0.53	
For >100 To 150, Add	1.06	
For >75 To 100, Add	1.58	
For >50 To 75, Add	2.11	
For >25 To 50, Add	3.17	
For Up To 25, Add	4.75	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.06	
For Bursting Ductile Iron Pipe, Add	2.64	
33 01 30 23-0025 LF 6" Diameter, Static Head Pipe Bursting	17.59	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.95	
For >150 To 200, Add	0.61	
For >100 To 150, Add	1.23	
For >75 To 100, Add	1.84	
For >50 To 75, Add	2.46	
For >25 To 50, Add	3.68	
For Up To 25, Add	5.53	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.23	
For Bursting Ductile Iron Pipe, Add	3.07	
33 01 30 23-0026 LF 8" Diameter, Static Head Pipe Bursting	19.57	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.10	
For >150 To 200, Add	0.71	
For >100 To 150, Add	1.43	
For >75 To 100, Add	2.14	
For >50 To 75, Add	2.85	
For >25 To 50, Add	4.28	
For Up To 25, Add	6.42	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.43	
For Bursting Ductile Iron Pipe, Add	3.57	
33 01 30 23-0027 LF 10" Diameter, Static Head Pipe Bursting	22.15	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.30	
For >150 To 200, Add	0.84	
For >100 To 150, Add	1.68	
For >75 To 100, Add	2.53	
For >50 To 75, Add	3.37	
For >25 To 50, Add	5.05	
For Up To 25, Add	7.58	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.68	
For Bursting Ductile Iron Pipe, Add	4.21	
33 01 30 23-0028 LF 12" Diameter, Static Head Pipe Bursting	25.13	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.53	
For >150 To 200, Add	0.99	
For >100 To 150, Add	1.98	
For >75 To 100, Add	2.97	
For >50 To 75, Add	3.96	
For >25 To 50, Add	5.95	
For Up To 25, Add	8.92	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.98	
For Bursting Ductile Iron Pipe, Add	4.96	
33 01 30 23-0029 LF 15" Diameter, Static Head Pipe Bursting	29.55	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.71	
For >150 To 200, Add	1.11	
For >100 To 150, Add	2.22	
For >75 To 100, Add	3.33	
For >50 To 75, Add	4.44	
For >25 To 50, Add	6.66	
For Up To 25, Add	9.99	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.22	
For Bursting Ductile Iron Pipe, Add	5.55	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 23-0030	LF 18" Diameter, Static Head Pipe Bursting	32.47
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.94
	For >150 To 200, Add	1.26
	For >100 To 150, Add	2.51
	For >75 To 100, Add	3.77
	For >50 To 75, Add	5.03
	For >25 To 50, Add	7.54
	For Up To 25, Add	11.31
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.51
	For Bursting Ductile Iron Pipe, Add	6.28
33 01 30 23-0031	LF 21"/22" Diameter, Static Head Pipe Bursting	41.11
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.32
	For >150 To 200, Add	1.50
	For >100 To 150, Add	3.01
	For >75 To 100, Add	4.51
	For >50 To 75, Add	6.02
	For >25 To 50, Add	9.03
	For Up To 25, Add	13.54
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.01
	For Bursting Ductile Iron Pipe, Add	7.52
33 01 30 23-0032	LF 24" Diameter, Static Head Pipe Bursting	52.75
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.21
	For >150 To 200, Add	2.09
	For >100 To 150, Add	4.17
	For >75 To 100, Add	6.26
	For >50 To 75, Add	8.35
	For >25 To 50, Add	12.52
	For Up To 25, Add	18.78
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.17
	For Bursting Ductile Iron Pipe, Add	10.43
33 01 30 23-0033	LF 30" Diameter, Static Head Pipe Bursting	64.55
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.84
	For >150 To 200, Add	2.49
	For >100 To 150, Add	4.99
	For >75 To 100, Add	7.48
	For >50 To 75, Add	9.97
	For >25 To 50, Add	14.96
	For Up To 25, Add	22.44
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.99
	For Bursting Ductile Iron Pipe, Add	12.47
33 01 30 23-0034	LF 36" Diameter, Static Head Pipe Bursting	77.19
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.81
	For >150 To 200, Add	3.13
	For >100 To 150, Add	6.25
	For >75 To 100, Add	9.38
	For >50 To 75, Add	12.50
	For >25 To 50, Add	18.75
	For Up To 25, Add	28.13
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.25
	For Bursting Ductile Iron Pipe, Add	15.63
33 01 30 23-0035	Hydraulic Head Pipe Bursting (33 01 30 23-0006)	
33 01 30 23-0036	LF 4" Diameter, Hydraulic Head Pipe Bursting	14.00
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.67
	For >150 To 200, Add	0.43
	For >100 To 150, Add	0.87
	For >75 To 100, Add	1.30
	For >50 To 75, Add	1.74
	For >25 To 50, Add	2.61
	For Up To 25, Add	3.91
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	0.87
	For Bursting Ductile Iron Pipe, Add	2.17
33 01 30 23-0037	LF 6" Diameter, Hydraulic Head Pipe Bursting	15.51
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.79
	For >150 To 200, Add	0.51
	For >100 To 150, Add	1.02
	For >75 To 100, Add	1.53
	For >50 To 75, Add	2.04
	For >25 To 50, Add	3.06
	For Up To 25, Add	4.59
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.02
	For Bursting Ductile Iron Pipe, Add	2.55
33 01 30 23-0038	LF 8" Diameter, Hydraulic Head Pipe Bursting	17.27
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.92
	For >150 To 200, Add	0.60
	For >100 To 150, Add	1.20
	For >75 To 100, Add	1.79
	For >50 To 75, Add	2.39
	For >25 To 50, Add	3.59
	For Up To 25, Add	5.38
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.20
	For Bursting Ductile Iron Pipe, Add	2.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0039 LF 10" Diameter, Hydraulic Head Pipe Bursting	19.53	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.09	
For >150 To 200, Add	0.71	
For >100 To 150, Add	1.42	
For >75 To 100, Add	2.13	
For >50 To 75, Add	2.84	
For >25 To 50, Add	4.27	
For Up To 25, Add	6.40	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.42	
For Bursting Ductile Iron Pipe, Add	3.56	
33 01 30 23-0040 LF 12" Diameter, Hydraulic Head Pipe Bursting	22.15	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.30	
For >150 To 200, Add	0.84	
For >100 To 150, Add	1.68	
For >75 To 100, Add	2.53	
For >50 To 75, Add	3.37	
For >25 To 50, Add	5.05	
For Up To 25, Add	7.58	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.68	
For Bursting Ductile Iron Pipe, Add	4.21	
33 01 30 23-0041 LF 15" Diameter, Hydraulic Head Pipe Bursting	26.00	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.44	
For >150 To 200, Add	0.93	
For >100 To 150, Add	1.87	
For >75 To 100, Add	2.80	
For >50 To 75, Add	3.73	
For >25 To 50, Add	5.60	
For Up To 25, Add	8.40	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.87	
For Bursting Ductile Iron Pipe, Add	4.67	
33 01 30 23-0042 LF 18" Diameter, Hydraulic Head Pipe Bursting	28.87	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.66	
For >150 To 200, Add	1.08	
For >100 To 150, Add	2.15	
For >75 To 100, Add	3.23	
For >50 To 75, Add	4.31	
For >25 To 50, Add	6.46	
For Up To 25, Add	9.69	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.15	
For Bursting Ductile Iron Pipe, Add	5.38	
33 01 30 23-0043 LF 21"/22" Diameter, Hydraulic Head Pipe Bursting	36.81	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.99	
For >150 To 200, Add	1.29	
For >100 To 150, Add	2.58	
For >75 To 100, Add	3.87	
For >50 To 75, Add	5.16	
For >25 To 50, Add	7.74	
For Up To 25, Add	11.61	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.58	
For Bursting Ductile Iron Pipe, Add	6.45	
33 01 30 23-0044 LF 24" Diameter, Hydraulic Head Pipe Bursting	47.49	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.81	
For >150 To 200, Add	1.82	
For >100 To 150, Add	3.65	
For >75 To 100, Add	5.47	
For >50 To 75, Add	7.29	
For >25 To 50, Add	10.94	
For Up To 25, Add	16.41	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.65	
For Bursting Ductile Iron Pipe, Add	9.12	
33 01 30 23-0045 LF 30" Diameter, Hydraulic Head Pipe Bursting	58.64	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.38	
For >150 To 200, Add	2.20	
For >100 To 150, Add	4.40	
For >75 To 100, Add	6.59	
For >50 To 75, Add	8.79	
For >25 To 50, Add	13.19	
For Up To 25, Add	19.78	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.40	
For Bursting Ductile Iron Pipe, Add	10.99	
33 01 30 23-0046 LF 36" Diameter, Hydraulic Head Pipe Bursting	70.66	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.31	
For >150 To 200, Add	2.80	
For >100 To 150, Add	5.60	
For >75 To 100, Add	8.40	
For >50 To 75, Add	11.20	
For >25 To 50, Add	16.79	
For Up To 25, Add	25.19	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.60	
For Bursting Ductile Iron Pipe, Add	14.00	
 33 01 30 23-0047 Pipe Lining <small>(33 01 30 23-0001)</small>		
33 01 30 23-0048 Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining <small>(33 01 30 23-0047)</small>		
Note: Per each joint.		
33 01 30 23-0049 EA 4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	48.26	
33 01 30 23-0050 EA >15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	55.38	
33 01 30 23-0051 EA >24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	66.04	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 23-0052 High Density Polyethylene (HDPE) Pipe Lining, DR 17 <small>(33 01 30 23-0047)</small>		
Note: Material only, to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0048 for pipe joint fusion.		
33 01 30 23-0053	LF 4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	2.30
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.31
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	0.83
	<i>For White Interior Pipe, Add</i>	0.56
	<i>For Gray Interior Pipe, Add</i>	0.43
33 01 30 23-0054	LF 5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	3.20
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.46
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	1.26
	<i>For White Interior Pipe, Add</i>	0.85
	<i>For Gray Interior Pipe, Add</i>	0.65
33 01 30 23-0055	LF 6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	4.77
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.75
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.02
	<i>For White Interior Pipe, Add</i>	1.37
	<i>For Gray Interior Pipe, Add</i>	1.04
33 01 30 23-0056	LF 7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	5.43
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.86
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.34
	<i>For White Interior Pipe, Add</i>	1.58
	<i>For Gray Interior Pipe, Add</i>	1.20
33 01 30 23-0057	LF 8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	7.65
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.26
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	3.42
	<i>For White Interior Pipe, Add</i>	2.31
	<i>For Gray Interior Pipe, Add</i>	1.75
33 01 30 23-0058	LF 10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	11.56
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.96
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	5.32
	<i>For White Interior Pipe, Add</i>	3.59
	<i>For Gray Interior Pipe, Add</i>	2.72
33 01 30 23-0059	LF 12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	16.00
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-2.75
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	7.48
	<i>For White Interior Pipe, Add</i>	5.05
	<i>For Gray Interior Pipe, Add</i>	3.82
33 01 30 23-0060	LF 13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	17.54
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.03
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	8.22
	<i>For White Interior Pipe, Add</i>	5.55
	<i>For Gray Interior Pipe, Add</i>	4.21
33 01 30 23-0061	LF 14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	19.19
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.32
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	9.02
	<i>For White Interior Pipe, Add</i>	6.09
	<i>For Gray Interior Pipe, Add</i>	4.61
33 01 30 23-0062	LF 16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	24.88
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-4.33
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	11.78
	<i>For White Interior Pipe, Add</i>	7.95
	<i>For Gray Interior Pipe, Add</i>	6.02
33 01 30 23-0063	LF 18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	31.34
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-5.49
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	14.91
	<i>For White Interior Pipe, Add</i>	10.06
	<i>For Gray Interior Pipe, Add</i>	7.62
33 01 30 23-0064	LF 20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	38.54
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-6.77
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	18.40
	<i>For White Interior Pipe, Add</i>	12.42
	<i>For Gray Interior Pipe, Add</i>	9.41
33 01 30 23-0065	LF 22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	46.51
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-8.20
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	22.26
	<i>For White Interior Pipe, Add</i>	15.02
	<i>For Gray Interior Pipe, Add</i>	11.38
33 01 30 23-0066	LF 24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	55.26
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-9.76
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	26.50
	<i>For White Interior Pipe, Add</i>	17.89
	<i>For Gray Interior Pipe, Add</i>	13.55
33 01 30 23-0067	LF 26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	64.72
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-11.44
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	31.09
	<i>For White Interior Pipe, Add</i>	20.98
	<i>For Gray Interior Pipe, Add</i>	15.89
33 01 30 23-0068	LF 28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	75.01
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-13.27
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	36.06
	<i>For White Interior Pipe, Add</i>	24.33
	<i>For Gray Interior Pipe, Add</i>	18.44
33 01 30 23-0069	LF 30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	86.07
	<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-15.24
	<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	41.40
	<i>For White Interior Pipe, Add</i>	27.94
	<i>For Gray Interior Pipe, Add</i>	21.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0070 LF 32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	97.88	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-17.33	
For DR 11 Polyethylene Pipe, 160 PSI, Add	47.09	
For White Interior Pipe, Add	31.78	
For Gray Interior Pipe, Add	24.08	
33 01 30 23-0071 LF 34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	120.64	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-21.39	
For DR 11 Polyethylene Pipe, 160 PSI, Add	58.11	
For White Interior Pipe, Add	39.21	
For Gray Interior Pipe, Add	29.71	
33 01 30 23-0072 LF 36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	124.01	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-21.94	
For DR 11 Polyethylene Pipe, 160 PSI, Add	59.60	
For White Interior Pipe, Add	40.22	
For Gray Interior Pipe, Add	30.47	
33 01 30 23-0073 Re-Connection Of Non-Renewed Laterals (33 01 30 23-0001)		
33 01 30 23-0074 Re-Connection Of Non-Renewed Laterals; Insert-A-Tee (33 01 30 23-0073)		
Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0028 for hauling, 31 05 16 00-0001 for back-fill material.		
33 01 30 23-0075 EA Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee.....	521.59	
For No Excavation, Deduct	-327.02	
33 01 30 23-0076 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee.....	584.93	
For No Excavation, Deduct	-367.90	
33 01 30 23-0077 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	617.43	
For No Excavation, Deduct	-388.34	
33 01 30 23-0078 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	649.92	
For No Excavation, Deduct	-408.77	
33 01 30 23-0079 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	713.75	
For No Excavation, Deduct	-429.21	
33 01 30 23-0080 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	661.46	
For No Excavation, Deduct	-408.77	
33 01 30 23-0081 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	695.61	
For No Excavation, Deduct	-429.21	
33 01 30 23-0082 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	752.84	
For No Excavation, Deduct	-449.65	
33 01 30 23-0083 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	922.21	
For No Excavation, Deduct	-470.09	
33 01 30 23-0084 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	974.48	
For No Excavation, Deduct	-490.53	
33 01 30 23-0085 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	1,244.44	
For No Excavation, Deduct	-510.97	
33 01 30 23-0086 Re-Connection Of Non-Renewed Laterals; Saddle Style (33 01 30 23-0073)		
Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0028 for hauling, 31 05 16 00-0001 for back-fill material.		
33 01 30 23-0087 EA Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	1,628.25	
For No Excavation, Deduct	-364.98	
For Strap-On Saddle Type Instead Of Fusion Weld	-11.25	
33 01 30 23-0088 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	1,862.49	
For No Excavation, Deduct	-379.58	
For Strap-On Saddle Type Instead Of Fusion Weld	13.67	
33 01 30 23-0089 EA Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	2,970.56	
For No Excavation, Deduct	-394.18	
For Strap-On Saddle Type Instead Of Fusion Weld	169.66	
33 01 30 23-0090 EA Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,058.16	
For No Excavation, Deduct	-437.98	
For Strap-On Saddle Type Instead Of Fusion Weld	152.14	
33 01 30 23-0091 EA Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	6,266.50	
For No Excavation, Deduct	-467.17	
For Strap-On Saddle Type Instead Of Fusion Weld	612.96	
33 01 30 23-0092 EA Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	6,757.30	
For No Excavation, Deduct	-518.27	
For Strap-On Saddle Type Instead Of Fusion Weld	650.81	
33 01 30 23-0093 EA Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	9,446.25	
For No Excavation, Deduct	-569.36	
For Strap-On Saddle Type Instead Of Fusion Weld	1,018.39	
33 01 30 23-0094 EA Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	8,716.77	
For No Excavation, Deduct	-642.36	
For Strap-On Saddle Type Instead Of Fusion Weld	857.86	
33 01 30 23-0095 EA Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	10,647.90	
For No Excavation, Deduct	-759.16	
For Strap-On Saddle Type Instead Of Fusion Weld	1,065.78	
33 01 30 41 Cleaning of Sewers (33 01 30)		
33 01 30 41-0001 Pipe Line Cleaning And Flushing (33 01 30 41)		
Note: Includes flushing. Owner provided water.		
33 01 30 41-0002 Pipe Line Cleaning (33 01 30 41-0001)		
Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003 Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)		

33 Utilities
33 01 Operation And Maintenance Of Utilities
33 01 30 Operation And Maintenance Of Sewer Utilities



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 41-0004	EA	Initial Set Up And Final Equipment Removal For Jet Cleaning	1,102.62
33 01 30 41-0005	EA	Move And Reset Up At Different Access/Location For Jet Cleaning	275.65

33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)

33 01 30 41-0007	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	1.48
		<i>For >250 To 500, Deduct</i>	-0.07
		<i>For >500 To 1,000, Deduct</i>	-0.15
		<i>For >1,000 To 2,000, Deduct</i>	-0.22
		<i>For >2,000 To 5,000, Deduct</i>	-0.30
		<i>For >5,000, Deduct</i>	-0.37
		<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	1.11
33 01 30 41-0008	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	1.70
		<i>For >250 To 500, Deduct</i>	-0.09
		<i>For >500 To 1,000, Deduct</i>	-0.17
		<i>For >1,000 To 2,000, Deduct</i>	-0.26
		<i>For >2,000 To 5,000, Deduct</i>	-0.34
		<i>For >5,000, Deduct</i>	-0.43
		<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	1.28
33 01 30 41-0009	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	1.99
		<i>For >250 To 500, Deduct</i>	-0.10
		<i>For >500 To 1,000, Deduct</i>	-0.20
		<i>For >1,000 To 2,000, Deduct</i>	-0.30
		<i>For >2,000 To 5,000, Deduct</i>	-0.40
		<i>For >5,000, Deduct</i>	-0.50
		<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	1.49
33 01 30 41-0010	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	2.47
		<i>For >250 To 500, Deduct</i>	-0.12
		<i>For >500 To 1,000, Deduct</i>	-0.25
		<i>For >1,000 To 2,000, Deduct</i>	-0.37
		<i>For >2,000 To 5,000, Deduct</i>	-0.49
		<i>For >5,000, Deduct</i>	-0.62
		<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	1.85
33 01 30 41-0011	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	2.80
		<i>For >250 To 500, Deduct</i>	-0.14
		<i>For >500 To 1,000, Deduct</i>	-0.28
		<i>For >1,000 To 2,000, Deduct</i>	-0.42
		<i>For >2,000 To 5,000, Deduct</i>	-0.56
		<i>For >5,000, Deduct</i>	-0.70
		<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	2.10
33 01 30 41-0012	LF	>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	3.24
		<i>For >250 To 500, Deduct</i>	-0.16
		<i>For >500 To 1,000, Deduct</i>	-0.32
		<i>For >1,000 To 2,000, Deduct</i>	-0.49
		<i>For >2,000 To 5,000, Deduct</i>	-0.65
		<i>For >5,000, Deduct</i>	-0.81
		<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	2.43
33 01 30 41-0013	LF	>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	3.90
		<i>For >250 To 500, Deduct</i>	-0.20
		<i>For >500 To 1,000, Deduct</i>	-0.39
		<i>For >1,000 To 2,000, Deduct</i>	-0.59
		<i>For >2,000 To 5,000, Deduct</i>	-0.78
		<i>For >5,000, Deduct</i>	-0.98
		<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	2.93
33 01 30 41-0014	LF	>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	4.42
		<i>For >250 To 500, Deduct</i>	-0.22
		<i>For >500 To 1,000, Deduct</i>	-0.44
		<i>For >1,000 To 2,000, Deduct</i>	-0.66
		<i>For >2,000 To 5,000, Deduct</i>	-0.88
		<i>For >5,000, Deduct</i>	-1.11
		<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	3.32

33 01 30 41-0015 Flushing Of Storm Water Pipelines (33 01 30 41-0002)

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

33 01 30 41-0016	LF	12" To 16" Diameter Pipe Line Flushing	0.42
		<i>For >250 To 500, Deduct</i>	-0.02
		<i>For >500 To 1,000, Deduct</i>	-0.04
		<i>For >1,000 To 2,000, Deduct</i>	-0.06
		<i>For >2,000 To 5,000, Deduct</i>	-0.08
		<i>For >5,000, Deduct</i>	-0.11
33 01 30 41-0017	LF	>16" To 24" Diameter Pipe Line Flushing	0.48
		<i>For >250 To 500, Deduct</i>	-0.02
		<i>For >500 To 1,000, Deduct</i>	-0.05
		<i>For >1,000 To 2,000, Deduct</i>	-0.07
		<i>For >2,000 To 5,000, Deduct</i>	-0.10
		<i>For >5,000, Deduct</i>	-0.12
33 01 30 41-0018	LF	>24" To 30" Diameter Pipe Line Flushing	0.56
		<i>For >250 To 500, Deduct</i>	-0.03
		<i>For >500 To 1,000, Deduct</i>	-0.06
		<i>For >1,000 To 2,000, Deduct</i>	-0.08
		<i>For >2,000 To 5,000, Deduct</i>	-0.11
		<i>For >5,000, Deduct</i>	-0.14
33 01 30 41-0019	LF	>30" To 42" Diameter Pipe Line Flushing	0.66
		<i>For >250 To 500, Deduct</i>	-0.03
		<i>For >500 To 1,000, Deduct</i>	-0.07
		<i>For >1,000 To 2,000, Deduct</i>	-0.10
		<i>For >2,000 To 5,000, Deduct</i>	-0.13
		<i>For >5,000, Deduct</i>	-0.17



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0020	LF		>42" To 60" Diameter Pipe Line Flushing.....	0.87	
			For >250 To 500, Deduct	-0.04	
			For >500 To 1,000, Deduct	-0.09	
			For >1,000 To 2,000, Deduct	-0.13	
			For >2,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.22	
33 01 30 41-0021			Hydro Jet Cleaning Of Culverts <small>(33 01 30 41-0002)</small>		
33 01 30 41-0022	LF		Jet Cleaning Of Culvert, 0-250 LF	6.86	
			For >250 To 500, Deduct	-0.34	
			For >500 To 1,000, Deduct	-0.69	
			For >1,000 To 2,000, Deduct	-1.03	
			For >2,000 To 5,000, Deduct	-1.37	
			For >5,000, Deduct	-1.72	
33 01 30 41-0023			Pipe Line Cleaning, Mechanical Method <small>(33 01 30 41-0001)</small>		
			Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0024	EA		Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	415.07	
33 01 30 41-0025	EA		Move And Reset Up At Different Access/Location.....	138.35	
33 01 30 41-0026	LF		Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	2.47	
			For >250 To 500, Deduct	-0.12	
			For >500 To 1,000, Deduct	-0.23	
			For >1,000 To 2,000, Deduct	-0.35	
			For >2,000 To 5,000, Deduct	-0.46	
			For >5,000, Deduct	-0.58	
33 01 30 41-0027	LF		6" Diameter Pipe Line Cleaning, Mechanical Method.....	3.29	
			For >250 To 500, Deduct	-0.15	
			For >500 To 1,000, Deduct	-0.30	
			For >1,000 To 2,000, Deduct	-0.44	
			For >2,000 To 5,000, Deduct	-0.59	
			For >5,000, Deduct	-0.74	
33 01 30 41-0028	LF		8" Diameter Pipe Line Cleaning, Mechanical Method.....	3.87	
			For >250 To 500, Deduct	-0.17	
			For >500 To 1,000, Deduct	-0.35	
			For >1,000 To 2,000, Deduct	-0.52	
			For >2,000 To 5,000, Deduct	-0.69	
			For >5,000, Deduct	-0.87	
33 01 30 41-0029	LF		10" Diameter Pipe Line Cleaning, Mechanical Method.....	4.48	
			For >250 To 500, Deduct	-0.20	
			For >500 To 1,000, Deduct	-0.40	
			For >1,000 To 2,000, Deduct	-0.60	
			For >2,000 To 5,000, Deduct	-0.80	
			For >5,000, Deduct	-1.00	
33 01 30 41-0030	LF		12" Diameter Pipe Line Cleaning, Mechanical Method.....	4.90	
			For >250 To 500, Deduct	-0.22	
			For >500 To 1,000, Deduct	-0.43	
			For >1,000 To 2,000, Deduct	-0.65	
			For >2,000 To 5,000, Deduct	-0.86	
			For >5,000, Deduct	-1.08	
33 01 30 41-0031	LF		>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	5.68	
			For >250 To 500, Deduct	-0.25	
			For >500 To 1,000, Deduct	-0.49	
			For >1,000 To 2,000, Deduct	-0.74	
			For >2,000 To 5,000, Deduct	-0.99	
			For >5,000, Deduct	-1.24	
33 01 30 41-0032	LF		>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	7.25	
			For >250 To 500, Deduct	-0.31	
			For >500 To 1,000, Deduct	-0.61	
			For >1,000 To 2,000, Deduct	-0.92	
			For >2,000 To 5,000, Deduct	-1.22	
			For >5,000, Deduct	-1.53	
33 01 30 41-0033	LF		>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	8.46	
			For >250 To 500, Deduct	-0.34	
			For >500 To 1,000, Deduct	-0.68	
			For >1,000 To 2,000, Deduct	-1.02	
			For >2,000 To 5,000, Deduct	-1.36	
			For >5,000, Deduct	-1.70	
33 01 30 41-0034	LF		>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	9.89	
			For >250 To 500, Deduct	-0.39	
			For >500 To 1,000, Deduct	-0.78	
			For >1,000 To 2,000, Deduct	-1.17	
			For >2,000 To 5,000, Deduct	-1.57	
			For >5,000, Deduct	-1.96	
33 01 30 41-0035	LF		>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	12.84	
			For >250 To 500, Deduct	-0.52	
			For >500 To 1,000, Deduct	-1.04	
			For >1,000 To 2,000, Deduct	-1.56	
			For >2,000 To 5,000, Deduct	-2.07	
			For >5,000, Deduct	-2.59	
33 01 30 41-0036	LF		>60" Diameter Pipe Line Cleaning, Mechanical Method.....	14.83	
			For >250 To 500, Deduct	-0.58	
			For >500 To 1,000, Deduct	-1.15	
			For >1,000 To 2,000, Deduct	-1.73	
			For >2,000 To 5,000, Deduct	-2.31	
			For >5,000, Deduct	-2.88	

33 Utilities

33 01 Operation And Maintenance Of Utilities

33 01 30 Operation And Maintenance Of Sewer Utilities



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 41-0037		Pipe Line Auguring/Rod Out Pipe <small>(33 01 30 41-0001)</small>	
33 01 30 41-0038	EA	Initial Set Up And Final Equipment Removal For Auguring.....	415.07
33 01 30 41-0039	EA	Move And Reset Up At Different Location	138.35
33 01 30 41-0040	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out.....	1.39
		For >250 To 500, Deduct	-0.07
		For >500 To 1,000, Deduct	-0.14
		For >1,000 To 2,000, Deduct	-0.21
		For >2,000 To 5,000, Deduct	-0.28
		For >5,000, Deduct	-0.35
33 01 30 41-0041	LF	6" Diameter Pipe Line Auguring/Rod Out.....	1.79
		For >250 To 500, Deduct	-0.09
		For >500 To 1,000, Deduct	-0.18
		For >1,000 To 2,000, Deduct	-0.27
		For >2,000 To 5,000, Deduct	-0.36
		For >5,000, Deduct	-0.45
33 01 30 41-0042	LF	8" Diameter Pipe Line Auguring/Rod Out.....	2.07
		For >250 To 500, Deduct	-0.10
		For >500 To 1,000, Deduct	-0.21
		For >1,000 To 2,000, Deduct	-0.31
		For >2,000 To 5,000, Deduct	-0.41
		For >5,000, Deduct	-0.52
33 01 30 41-0043	LF	10" Diameter Pipe Line Auguring/Rod Out.....	2.42
		For >250 To 500, Deduct	-0.12
		For >500 To 1,000, Deduct	-0.24
		For >1,000 To 2,000, Deduct	-0.36
		For >2,000 To 5,000, Deduct	-0.48
		For >5,000, Deduct	-0.61
33 01 30 41-0044	LF	12" Diameter Pipe Line Auguring/Rod Out.....	2.59
		For >250 To 500, Deduct	-0.13
		For >500 To 1,000, Deduct	-0.26
		For >1,000 To 2,000, Deduct	-0.39
		For >2,000 To 5,000, Deduct	-0.52
		For >5,000, Deduct	-0.65
33 01 30 41-0045	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out.....	2.96
		For >250 To 500, Deduct	-0.15
		For >500 To 1,000, Deduct	-0.30
		For >1,000 To 2,000, Deduct	-0.44
		For >2,000 To 5,000, Deduct	-0.59
		For >5,000, Deduct	-0.74
33 01 30 41-0046	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out.....	3.64
		For >250 To 500, Deduct	-0.18
		For >500 To 1,000, Deduct	-0.36
		For >1,000 To 2,000, Deduct	-0.55
		For >2,000 To 5,000, Deduct	-0.73
		For >5,000, Deduct	-0.91
33 01 30 41-0047	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out.....	4.07
		For >250 To 500, Deduct	-0.20
		For >500 To 1,000, Deduct	-0.41
		For >1,000 To 2,000, Deduct	-0.61
		For >2,000 To 5,000, Deduct	-0.81
		For >5,000, Deduct	-1.02
33 01 30 41-0048	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out.....	4.71
		For >250 To 500, Deduct	-0.24
		For >500 To 1,000, Deduct	-0.47
		For >1,000 To 2,000, Deduct	-0.71
		For >2,000 To 5,000, Deduct	-0.94
		For >5,000, Deduct	-1.18
33 01 30 41-0049	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out.....	6.49
		For >250 To 500, Deduct	-0.32
		For >500 To 1,000, Deduct	-0.65
		For >1,000 To 2,000, Deduct	-0.97
		For >2,000 To 5,000, Deduct	-1.30
		For >5,000, Deduct	-1.62
33 01 30 41-0050	LF	>60" Diameter Pipe Line Auguring/Rod Out.....	6.92
		For >250 To 500, Deduct	-0.35
		For >500 To 1,000, Deduct	-0.69
		For >1,000 To 2,000, Deduct	-1.04
		For >2,000 To 5,000, Deduct	-1.38
		For >5,000, Deduct	-1.73

33 01 30 42 **Cleaning of Manholes** (33 01 30)

33 01 30 42-0001 **Structure Cleaning And Flushing** (33 01 30 42)
Note: Includes flushing. Owner provided water.

33 01 30 42-0002 **Rod Out Structures And Other Hand Operations** (33 01 30 42-0001)

33 01 30 42-0003	EA	Rod Out Sewer Catch Basin	38.85
33 01 30 42-0004	EA	Clean Out Debris From Entrance To Inlet Structure	97.15
33 01 30 42-0005	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand.....	260.34
		For >10 To 100, Deduct	-39.05
		For >100 To 250, Deduct	-58.58
		For >250, Deduct	-78.10
33 01 30 42-0006	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	312.40
		For >10 To 100, Deduct	-46.86
		For >100 To 250, Deduct	-70.29
		For >250, Deduct	-93.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 42-0007 EA Clean Out Blocked Catch Basin By Hand..... <i>For >10 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	156.21 -23.43 -35.15 -46.86	
33 01 30 42-0008 Cleaning Manholes And Drainage Structures (33 01 30 42-0001) Note: Includes removal of debris. Excludes disposal.		
33 01 30 42-0009 EA Vacuum Out 26 To 100 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	346.03	
33 01 30 42-0010 EA Vacuum Out 101 To 250 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	321.31	
33 01 30 42-0011 EA Vacuum Out >250 Catch Basins Or Manholes Note: Includes vacuum pump equipment.	296.59	
33 01 30 42-0012 VAC-CON Truck Cleaning (33 01 30 42-0001) Note: Not to be used in conjunction with pipe line cleaning tasks.		
33 01 30 42-0013 EA Initial Set Up For VAC-CON Per Catch Basin.....	291.23	
33 01 30 42-0014 EA Cost Per Dump Of VAC-CON Truck, Non-Hazardous.....	679.54	
33 01 30 42-0015 EA Re-Filling Of VAC-CON Truck-Water.....	1,155.21	
33 01 30 42-0016 EA VAC-CON Per Catch Basin.....	388.30	
33 01 30 43 Removal of Protruding Service Connection (33 01 30)		
33 01 30 43-0001 Trim Protruding Service Taps (33 01 30 43)		
33 01 30 43-0002 EA Trim Protruding Service Tap, 4", Robotic.....	286.97	
33 01 30 43-0003 EA Trim Protruding Service Tap, 6", Robotic.....	315.67	
33 01 30 43-0004 EA Trim Protruding Service Tap, 8", Robotic.....	344.37	
33 01 30 51 Maintenance Of Utilities (33 01 30)		
33 01 30 51-0001 Pipe Repair (33 01 30 51)		
33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001) Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0003 EA 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	102.19 20.07	
33 01 30 51-0004 EA 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	149.60 30.25	
33 01 30 51-0005 EA 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	174.59 35.63	
33 01 30 51-0006 EA 2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	199.89 40.99	
33 01 30 51-0007 EA 2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	110.60 21.80	
33 01 30 51-0008 EA 2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	159.35 32.29	
33 01 30 51-0009 EA 2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	183.99 37.54	
33 01 30 51-0010 EA 2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	214.00 43.92	
33 01 30 51-0011 EA 3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	119.98 23.85	
33 01 30 51-0012 EA 3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	166.19 33.75	
33 01 30 51-0013 EA 3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	193.53 39.58	
33 01 30 51-0014 EA 3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	227.78 46.98	
33 01 30 51-0015 EA 4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	135.79 27.12	
33 01 30 51-0016 EA 4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	181.10 36.50	
33 01 30 51-0017 EA 4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	220.06 44.44	
33 01 30 51-0018 EA 4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	265.29 53.61	
33 01 30 51-0019 EA 4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	351.68 72.00	
33 01 30 51-0020 EA 4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	439.63 90.39	
33 01 30 51-0021 EA 4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	537.87 110.89	
33 01 30 51-0022 EA 6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	159.95 32.00	
33 01 30 51-0023 EA 6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	214.75 43.41	
33 01 30 51-0024 EA 6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	253.77 51.19	
33 01 30 51-0025 EA 6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	296.08 59.48	
33 01 30 51-0026 EA 6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	419.70 86.19	

33 Utilities

33 01 Operation And Maintenance Of Utilities

33 01 30 Operation And Maintenance Of Sewer Utilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 51-0027	EA 6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	511.09	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	105.11	
33 01 30 51-0028	EA 6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	610.60	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	125.60	
33 01 30 51-0029	EA 8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	199.76	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	38.29	
33 01 30 51-0030	EA 8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	261.87	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	50.66	
33 01 30 51-0031	EA 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	316.49	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	61.31	
33 01 30 51-0032	EA 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	377.55	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	73.05	
33 01 30 51-0033	EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	512.01	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	101.21	
33 01 30 51-0034	EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	612.32	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	121.02	
33 01 30 51-0035	EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	722.93	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	142.44	
33 01 30 51-0036	EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	238.39	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	46.60	
33 01 30 51-0037	EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	324.96	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	64.45	
33 01 30 51-0038	EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	381.33	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	75.36	
33 01 30 51-0039	EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	469.77	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	93.21	
33 01 30 51-0040	EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	627.10	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	126.43	
33 01 30 51-0041	EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	707.17	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	141.31	
33 01 30 51-0042	EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	921.65	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	186.43	
33 01 30 51-0043	EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	270.13	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	52.56	
33 01 30 51-0044	EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	355.95	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	69.90	
33 01 30 51-0045	EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	430.18	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	84.59	
33 01 30 51-0046	EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	531.90	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	105.11	
33 01 30 51-0047	EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	693.50	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	138.83	
33 01 30 51-0048	EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	812.69	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	162.13	
33 01 30 51-0049	EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,043.40	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	210.22	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands (33 01 30 51-0001)

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA 14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	651.37	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	202.23	
33 01 30 51-0052	EA 14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	932.41	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	291.93	
33 01 30 51-0053	EA 14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,260.34	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	395.90	
33 01 30 51-0054	EA 14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,879.64	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	596.70	
33 01 30 51-0055	EA 15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	683.55	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	212.18	
33 01 30 51-0056	EA 15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	975.84	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	305.47	
33 01 30 51-0057	EA 15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,315.37	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	412.99	
33 01 30 51-0058	EA 15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,969.82	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	625.18	
33 01 30 51-0059	EA 15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	699.05	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	216.46	
33 01 30 51-0060	EA 15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	996.35	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	311.17	
33 01 30 51-0061	EA 15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,347.18	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	422.25	
33 01 30 51-0062	EA 15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,015.83	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	638.70	
33 01 30 51-0063	EA 16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	714.95	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	220.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0064 EA 16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,019.57	
For Stainless Steel Nuts And Bolts, Add	317.58	
33 01 30 51-0065 EA 16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,376.03	
For Stainless Steel Nuts And Bolts, Add	430.08	
33 01 30 51-0066 EA 16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,060.63	
For Stainless Steel Nuts And Bolts, Add	651.53	
33 01 30 51-0067 EA 17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	728.78	
For Stainless Steel Nuts And Bolts, Add	224.30	
33 01 30 51-0068 EA 17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,038.57	
For Stainless Steel Nuts And Bolts, Add	322.55	
33 01 30 51-0069 EA 17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,404.89	
For Stainless Steel Nuts And Bolts, Add	437.91	
33 01 30 51-0070 EA 17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,099.53	
For Stainless Steel Nuts And Bolts, Add	662.20	
33 01 30 51-0071 EA 17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	742.17	
For Stainless Steel Nuts And Bolts, Add	227.86	
33 01 30 51-0072 EA 17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,059.08	
For Stainless Steel Nuts And Bolts, Add	328.25	
33 01 30 51-0073 EA 17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,430.82	
For Stainless Steel Nuts And Bolts, Add	445.03	
33 01 30 51-0074 EA 17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,121.88	
For Stainless Steel Nuts And Bolts, Add	667.54	
33 01 30 51-0075 EA 18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	758.13	
For Stainless Steel Nuts And Bolts, Add	232.30	
33 01 30 51-0076 EA 18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,083.97	
For Stainless Steel Nuts And Bolts, Add	335.37	
33 01 30 51-0077 EA 18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,458.85	
For Stainless Steel Nuts And Bolts, Add	452.86	
33 01 30 51-0078 EA 18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,183.64	
For Stainless Steel Nuts And Bolts, Add	686.41	
33 01 30 51-0079 Repair Couplings and Fittings (33 01 30 51-0001)		
33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079)		
Note: Includes gaskets. Dresser style 88.		
33 01 30 51-0081 Copper Compression Repair Couplings (33 01 30 51-0080)		
33 01 30 51-0082 EA 1/2" Copper Compression Repair Coupling	31.07	
33 01 30 51-0083 EA 3/4" Copper Compression Repair Coupling	36.14	
33 01 30 51-0084 EA 1" Copper Compression Repair Coupling	42.48	
33 01 30 51-0085 EA 1-1/4" Copper Compression Repair Coupling	47.80	
33 01 30 51-0086 EA 1-1/2" Copper Compression Repair Coupling	73.78	
33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)		
33 01 30 51-0088 EA 1/2" Copper Compression Repair 90 Degree Elbow	37.30	
33 01 30 51-0089 EA 1" Copper Compression Repair 90 Degree Elbow	43.37	
33 01 30 51-0090 EA 1-1/2" Copper Compression Repair 90 Degree Elbow	87.94	
33 01 30 51-0091 EA 1" IPS x 1" CTS 90 Degree Plain End Street Elbow	35.04	
33 01 30 51-0092 EA 3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	31.47	
33 01 30 51-0093 EA 1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	36.84	
33 01 30 51-0094 EA 1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	45.55	
33 01 30 51-0095 Copper Compression Repair Fitting, Tees (33 01 30 51-0080)		
33 01 30 51-0096 EA 1/2" Copper Compression Repair Tee	68.34	
33 01 30 51-0097 EA 3/4" Copper Compression Repair Tee	53.10	
33 01 30 51-0098 EA 1" Copper Compression Repair Tee	63.08	
33 01 30 51-0099 EA 1" F x 1" M x 1" CTS Street Tee	52.03	
33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)		
33 01 30 51-0101 EA 3/4" M x 1/2" CTS Male Adapter	32.25	
33 01 30 51-0102 EA 3/4" M x 3/4" CTS Male Adapter	25.94	
33 01 30 51-0103 EA 1" M x 1" CTS Male Adapter	29.60	
33 01 30 51-0104 EA 1-1/4" M x 1" CTS Male Adapter	36.06	
33 01 30 51-0105 EA 1-1/4" M x 1-1/4" CTS Male Adapter	43.06	
33 01 30 51-0106 EA 1-1/2" M x 1" CTS Male Adapter	47.01	
33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)		

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	37.77
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	40.09

33 01 30 51-0110 Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079)
 Note: Includes gaskets. Dresser style 90.

33 01 30 51-0111 Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110)
 Note: Includes gaskets.

33 01 30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring	36.17
33 01 30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring	35.10
33 01 30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring	39.13
33 01 30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	43.22
33 01 30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	53.23
33 01 30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring	65.03
33 01 30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	37.40
33 01 30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	36.46
33 01 30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	39.33
33 01 30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	43.85
33 01 30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	55.30
33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	65.94
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	77.41
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	90.60
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	93.08
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	102.99
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	125.60

33 01 30 51-0129 Reducing Couplings For Steel Pipe (Compression) (33 01 30 51-0110)
 Note: Includes armored gaskets.

33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression)	39.21
33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression)	40.47
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression)	45.47
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression)	47.74
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression)	100.72
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression)	56.76
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression)	57.08
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression)	120.18
33 01 30 51-0138	EA	2" x 1" Reducing Coupling (Compression)	107.56
33 01 30 51-0139	EA	2" x 1-1/4" Reducing Coupling (Compression)	77.51
33 01 30 51-0140	EA	2" x 1-1/2" Reducing Coupling (Compression)	77.18

33 01 30 51-0141 Steel Compression Repair Fittings, Elbows (33 01 30 51-0110)
 Note: Includes armored gaskets.

33 01 30 51-0142	EA	1" 45 Degree Elbow (Compression)	69.45
33 01 30 51-0143	EA	1-1/4" 45 Degree Elbow (Compression)	71.23
33 01 30 51-0144	EA	1-1/2" 45 Degree Elbow (Compression)	92.55
33 01 30 51-0145	EA	2" 45 Degree Elbow (Compression)	117.83
33 01 30 51-0146	EA	3/4" 90 Degree Elbow (Compression)	44.45
33 01 30 51-0147	EA	1" 90 Degree Elbow (Compression)	44.85
33 01 30 51-0148	EA	1-1/4" 90 Degree Elbow (Compression)	52.86
33 01 30 51-0149	EA	1-1/2" 90 Degree Elbow (Compression)	77.65
33 01 30 51-0150	EA	2" 90 Degree Elbow (Compression)	83.38
33 01 30 51-0151	EA	3/4" Plain End 90 Degree Street Elbow (Compression)	44.62
33 01 30 51-0152	EA	1" Plain End 90 Degree Street Elbow (Compression)	36.66
33 01 30 51-0153	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression)	41.27
33 01 30 51-0154	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression)	52.39
33 01 30 51-0155	EA	2" Plain End 90 Degree Street Elbow (Compression)	69.09
33 01 30 51-0156	EA	3/4" Threaded End 90 Degree Street Elbow (Compression)	46.40
33 01 30 51-0157	EA	1" Threaded End 90 Degree Street Elbow (Compression)	40.00
33 01 30 51-0158	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression)	53.65
33 01 30 51-0159	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression)	64.20
33 01 30 51-0160	EA	2" Threaded End 90 Degree Street Elbow (Compression)	94.35

33 01 30 51-0161 Steel Compression Repair Fittings, Tees (33 01 30 51-0110)
 Note: Includes armored gaskets.

33 01 30 51-0162	EA	3/4" Street Tee (Compression)	45.19
33 01 30 51-0163	EA	1" Street Tee (Compression)	53.34
33 01 30 51-0164	EA	1-1/4" Street Tee (Compression)	51.77
33 01 30 51-0165	EA	1-1/2" Street Tee (Compression)	58.02
33 01 30 51-0166	EA	2" Street Tee (Compression)	95.01
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	51.12
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	54.35
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	68.12
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	82.70
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	83.34
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	66.75
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression)	91.86
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression)	108.05
33 01 30 51-0175	EA	3/4" Welding Street Tee (Compression)	93.78
33 01 30 51-0176	EA	1" Welding Street Tee (Compression)	91.80
33 01 30 51-0177	EA	1-1/4" Welding Street Tee (Compression)	97.34
33 01 30 51-0178	EA	1-1/2" Welding Street Tee (Compression)	116.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0179 EA 2" Welding Street Tee (Compression)	160.04	
33 01 30 51-0180 EA 3/4" Regular Tee (Compression)	65.52	
33 01 30 51-0181 EA 1" Regular Tee (Compression)	122.64	
33 01 30 51-0182 EA 1-1/4" Regular Tee (Compression)	128.11	
33 01 30 51-0183 EA 1-1/2" Regular Tee (Compression)	134.36	
33 01 30 51-0184 EA 2" Regular Tee (Compression)	146.92	
33 01 30 51-0185 EA 2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	144.32	
33 01 30 51-0186 Steel Compression Repair Fittings, Male Adapters (33 01 30 51-0110)		
Note: Includes armored gaskets.		
33 01 30 51-0187 EA 3/4" Male Adapter (Compression)	44.30	
33 01 30 51-0188 EA 1" Male Adapter (Compression)	48.89	
33 01 30 51-0189 EA 1-1/4" Male Adapter (Compression)	65.48	
33 01 30 51-0190 EA 1-1/2" Male Adapter (Compression)	72.47	
33 01 30 51-0191 EA 2" Male Adapter (Compression)	80.66	
33 01 30 51-0192 EA 1" x 1-1/4" Male Adapter (Compression)	65.07	
33 01 30 51-0193 Steel Compression Repair Fittings, Line Caps (33 01 30 51-0110)		
Note: Includes armored gaskets.		
33 01 30 51-0194 EA 3/4" Line Caps (Compression)	24.14	
33 01 30 51-0195 EA 1" Line Caps (Compression)	28.10	
33 01 30 51-0196 EA 1-1/4" Line Caps (Compression)	32.13	
33 01 30 51-0197 EA 1-1/2" Line Caps (Compression)	37.37	
33 01 30 51-0198 EA 2" Line Caps (Compression)	46.40	
33 01 30 51-0199 Temporary Bypass And Service Lines (33 01 30 51-0001)		
Note: Laid on ground, includes fittings and connections. Remove after use.		
33 01 30 51-0200 Temporary Water Service Lines (33 01 30 51-0199)		
Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 51-0201 LF 1/2" Temporary Service Hose With Fittings	1.13	
Note: Includes removal after use.		
33 01 30 51-0202 LF 3/4" Temporary Service Hose With Fittings	1.45	
Note: Includes removal after use.		
33 01 30 51-0203 LF 1" Temporary Service Hose With Fittings	1.68	
Note: Includes removal after use.		
33 01 30 51-0204 LF 1-1/2" Temporary Service Hose With Fittings	2.01	
Note: Includes removal after use.		
33 01 30 51-0205 LF 2" Temporary Service Hose With Fittings	2.48	
Note: Includes removal after use.		
33 01 30 51-0206 EA Temporary Service Valve Assembly At Fire Hydrant	124.83	
Note: Includes removal after use.		
33 01 30 51-0207 Temporary Bypass Water Main Lines (33 01 30 51-0199)		
Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 51-0208 LF 4" Temporary Bypass Pipe With Fittings	3.55	
Note: Includes removal after use.		
For >500 To 1,000, Deduct		
		-0.22
For >1,000 To 5,000, Deduct		
		-0.45
For >5,000, Deduct		
		-0.74
33 01 30 51-0209 LF 6" Temporary Bypass Pipe With Fittings	4.65	
Note: Includes removal after use.		
For >500 To 1,000, Deduct		
		-0.26
For >1,000 To 5,000, Deduct		
		-0.52
For >5,000, Deduct		
		-0.87
33 01 30 51-0210 LF 8" Temporary Bypass Pipe With Fittings	6.20	
Note: Includes removal after use.		
For >500 To 1,000, Deduct		
		-0.31
For >1,000 To 5,000, Deduct		
		-0.62
For >5,000, Deduct		
		-1.04
33 01 30 51-0211 Piping Protection For Temporary Water Line (33 01 30 51-0199)		
33 01 30 51-0212 LF Cold Mix For Temporary Pipe	1.26	
Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.		
33 01 30 51-0213 Grind Offset Joint (33 01 30 51-0001)		
33 01 30 51-0214 EA 6" To 10", Grind Drop Offset Joint	172.18	
33 01 30 51-0215 EA >10" To 15", Grind Drop Offset Joint	229.57	
33 01 30 51-0216 EA >15" To 24", Grind Drop Offset Joint	286.97	
33 01 30 51-0217 EA >24" To 30", Grind Drop Offset Joint	344.37	
33 01 30 51-0218 Temporary Pipe Plugging (33 01 30 51-0001)		
33 01 30 51-0219 Gravity Bladder Pipe Plugging (33 01 30 51-0218)		
Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0220 EA 3/4" Bladder Type Pipe Plug	27.01	
33 01 30 51-0221 EA 1" Bladder Type Pipe Plug	29.11	
33 01 30 51-0222 EA 1-1/4" Bladder Type Pipe Plug	32.52	
33 01 30 51-0223 EA 1-1/2" Bladder Type Pipe Plug	35.40	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
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33 01 30 51-0224	EA	2" Bladder Type Pipe Plug.....	38.02
33 01 30 51-0225	EA	2-1/2" Bladder Type Pipe Plug.....	41.41
33 01 30 51-0226	EA	3" Bladder Type Pipe Plug.....	46.76
33 01 30 51-0227	EA	4" Bladder Type Pipe Plug.....	51.87
33 01 30 51-0228	EA	5" Bladder Type Pipe Plug.....	55.91
33 01 30 51-0229	EA	6" Bladder Type Pipe Plug.....	61.92
33 01 30 51-0230	EA	8" Bladder Type Pipe Plug.....	69.09
33 01 30 51-0231	EA	10" Bladder Type Pipe Plug.....	79.79
33 01 30 51-0232	EA	12" Bladder Type Pipe Plug.....	101.87
33 01 30 51-0233	EA	14" Bladder Type Pipe Plug.....	119.66
33 01 30 51-0234	EA	16" Bladder Type Pipe Plug.....	143.46
33 01 30 51-0235	EA	18" Bladder Type Pipe Plug.....	172.11
33 01 30 51-0236	EA	20" Bladder Type Pipe Plug.....	210.67
33 01 30 51-0237	EA	24" Bladder Type Pipe Plug.....	245.93

33 01 30 51-0238 Hydra Stop, Hot Tapping Of Pressure Pipe (33 01 30 51-0218)

Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.

33 01 30 51-0239	EA	2" Hydra Stop, Line Stopper.....	1,301.94
33 01 30 51-0240	EA	2-1/2" Hydra Stop, Line Stopper.....	1,634.76
33 01 30 51-0241	EA	3" Hydra Stop, Line Stopper.....	2,011.62
33 01 30 51-0242	EA	4" Hydra Stop, Line Stopper.....	2,383.71
33 01 30 51-0243	EA	5" Hydra Stop, Line Stopper.....	2,631.03
33 01 30 51-0244	EA	6" Hydra Stop, Line Stopper.....	2,978.90
33 01 30 51-0245	EA	8" Hydra Stop, Line Stopper.....	3,226.23
33 01 30 51-0246	EA	10" Hydra Stop, Line Stopper.....	3,574.09
33 01 30 51-0247	EA	12" Hydra Stop, Line Stopper.....	3,921.97
33 01 30 51-0248	EA	14" Hydra Stop, Line Stopper.....	4,306.54
33 01 30 51-0249	EA	16" Hydra Stop, Line Stopper.....	4,911.27
33 01 30 51-0250	EA	18" Hydra Stop, Line Stopper.....	5,626.10
33 01 30 51-0251	EA	20" Hydra Stop, Line Stopper.....	6,854.63

33 01 30 61 Sewer and Pipe Joint Sealing (33 01 30)**33 01 30 61-0001 Joint Air Test (33 01 30 61)**

33 01 30 61-0002	EA	4" To 8", Joint Air Test.....	38.41
33 01 30 61-0003	EA	10" To 15", Joint Air Test.....	44.83
33 01 30 61-0004	EA	>15" To 21", Joint Air Test.....	51.23
33 01 30 61-0005	EA	>21" To 24", Joint Air Test.....	64.03
33 01 30 61-0006	EA	>24" To 27", Joint Air Test.....	76.84
33 01 30 61-0007	EA	>27" To 36", Joint Air Test.....	89.64

33 01 30 61-0008 Joint Seal And Joint Air Retest (33 01 30 61)

Note: Includes grout.

33 01 30 61-0009	EA	4" Joint Seal And Joint Air Retest.....	122.24
Note: Includes up to 1 gallon of grout.			
33 01 30 61-0010	EA	6" Joint Seal And Joint Air Retest.....	135.04
Note: Includes 1 gallon of grout.			
33 01 30 61-0011	EA	8" Joint Seal And Joint Air Retest.....	167.64
Note: Includes 2 gallons of grout.			
33 01 30 61-0012	EA	10" Joint Seal And Joint Air Retest.....	190.34
Note: Includes 2.5 gallons of grout.			
33 01 30 61-0013	EA	12" Joint Seal And Joint Air Retest.....	213.04
Note: Includes 3 gallons of grout.			
33 01 30 61-0014	EA	15" Joint Seal And Joint Air Retest.....	253.49
Note: Includes 3.75 gallons of grout.			
33 01 30 61-0015	EA	18" Joint Seal And Joint Air Retest.....	293.95
Note: Includes 4.5 gallons of grout.			
33 01 30 61-0016	EA	21" Joint Seal And Joint Air Retest.....	334.41
Note: Includes 5.25 gallons of grout.			
33 01 30 61-0017	EA	24" Joint Seal And Joint Air Retest.....	387.66
Note: Includes 6 gallons of grout.			
33 01 30 61-0018	EA	27" Joint Seal And Joint Air Retest.....	440.92
Note: Includes 6.75 gallons of grout.			
33 01 30 61-0019	EA	30" Joint Seal And Joint Air Retest.....	506.98
Note: Includes 7.5 gallons of grout.			
33 01 30 61-0020	EA	36" Joint Seal And Joint Air Retest.....	587.89
Note: Includes 9 gallons of grout.			

33 01 30 79 Relining Pipelines (33 01 30)**33 01 30 79-0001 Relining Underground Pipelines (33 01 30 79)**

Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups. 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 79-0002 Relining Underground Pipelines Set-Up And Reinsertion (33 01 30 79-0001)

33 01 30 79-0003	EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines.....	1,979.60
33 01 30 79-0004	EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines.....	791.84
33 01 30 79-0005	EA	Mixing Truck And Refrigeration For 54" To 72" Cured In-Place Pipe.....	19,673.40
Note: Need to mix wet material in bag prior to installation. Not needed for small sizes.			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0006 Lining Pipe With Cured In-Place Pipe <small>(33 01 30 79-0001)</small>		
Note: Cured in-place thermosetting resin pipe and resin impregnated tube.		
33 01 30 79-0007 LF 6mm Lining 6" Pipe With Cured In-Place Pipe (CIPP)	22.13	
For Up To 75, Add	10.37	
For >75 To 150, Add	5.18	
For >500 To 1,000, Deduct	-0.53	
For >1,000 To 2,000, Deduct	-1.05	
For >2,000 To 5,000, Deduct	-1.60	
For >5,000, Deduct	-2.44	
For 7.5mm Liner Thickness, Add	4.39	
For 9mm Liner Thickness, Add	8.88	
33 01 30 79-0008 LF 6mm Lining 8" Pipe With Cured In-Place Pipe (CIPP)	24.59	
For Up To 75, Add	11.35	
For >75 To 150, Add	5.68	
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 2,000, Deduct	-1.16	
For >2,000 To 5,000, Deduct	-1.77	
For >5,000, Deduct	-2.71	
For 7.5mm Liner Thickness, Add	4.91	
For 9mm Liner Thickness, Add	9.93	
33 01 30 79-0009 LF 6mm Lining 10" Pipe With Cured In-Place Pipe (CIPP)	27.63	
For Up To 75, Add	12.53	
For >75 To 150, Add	6.27	
For >500 To 1,000, Deduct	-0.66	
For >1,000 To 2,000, Deduct	-1.29	
For >2,000 To 5,000, Deduct	-1.98	
For >5,000, Deduct	-3.03	
For 7.5mm Liner Thickness, Add	5.56	
For 9mm Liner Thickness, Add	11.24	
33 01 30 79-0010 LF 6mm Lining 12" Pipe With Cured In-Place Pipe (CIPP)	30.85	
For Up To 75, Add	13.88	
For >75 To 150, Add	6.94	
For >500 To 1,000, Deduct	-0.74	
For >1,000 To 2,000, Deduct	-1.44	
For >2,000 To 5,000, Deduct	-2.21	
For >5,000, Deduct	-3.38	
For 7.5mm Liner Thickness, Add	6.23	
For 9mm Liner Thickness, Add	12.60	
33 01 30 79-0011 LF 6mm Lining 15" Pipe With Cured In-Place Pipe (CIPP)	35.51	
For Up To 75, Add	15.88	
For >75 To 150, Add	7.94	
For >500 To 1,000, Deduct	-0.85	
For >1,000 To 2,000, Deduct	-1.66	
For >2,000 To 5,000, Deduct	-2.54	
For >5,000, Deduct	-3.89	
For 7.5mm Liner Thickness, Add	7.19	
For 9mm Liner Thickness, Add	14.54	
For 10.5mm Liner Thickness, Add	21.79	
For 12mm Liner Thickness, Add	28.99	
For 13.5mm Liner Thickness, Add	36.30	
For 15mm Liner Thickness, Add	43.49	
33 01 30 79-0012 LF 6mm Lining 18" Pipe With Cured In-Place Pipe (CIPP)	41.76	
For Up To 75, Add	18.25	
For >75 To 150, Add	9.12	
For >500 To 1,000, Deduct	-0.99	
For >1,000 To 2,000, Deduct	-1.94	
For >2,000 To 5,000, Deduct	-2.96	
For >5,000, Deduct	-4.56	
For 7.5mm Liner Thickness, Add	8.54	
For 9mm Liner Thickness, Add	17.26	
For 10.5mm Liner Thickness, Add	25.87	
For 12mm Liner Thickness, Add	34.42	
For 13.5mm Liner Thickness, Add	43.10	
For 15mm Liner Thickness, Add	51.63	
33 01 30 79-0013 LF 6mm Lining 21" Pipe With Cured In-Place Pipe (CIPP)	47.05	
For Up To 75, Add	20.14	
For >75 To 150, Add	10.07	
For >500 To 1,000, Deduct	-1.11	
For >1,000 To 2,000, Deduct	-2.17	
For >2,000 To 5,000, Deduct	-3.32	
For >5,000, Deduct	-5.12	
For 7.5mm Liner Thickness, Add	9.70	
For 9mm Liner Thickness, Add	19.61	
For 10.5mm Liner Thickness, Add	29.39	
For 12mm Liner Thickness, Add	39.11	
For 13.5mm Liner Thickness, Add	48.97	
For 15mm Liner Thickness, Add	58.67	
For 16.5mm Liner Thickness, Add	69.62	
For 18mm Liner Thickness, Add	79.56	
For 19.5mm Liner Thickness, Add	89.82	
For 21mm Liner Thickness, Add	99.67	
For 22.5mm Liner Thickness, Add	109.61	
For 24mm Liner Thickness, Add	119.59	
For 27mm Liner Thickness, Add	139.57	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 79-0014	LF	6mm Lining 24" Pipe With Cured In-Place Pipe (CIPP)	51.36
		For Up To 75, Add	21.97
		For >75 To 150, Add	10.99
		For >500 To 1,000, Deduct	-1.21
		For >1,000 To 2,000, Deduct	-2.37
		For >2,000 To 5,000, Deduct	-3.62
		For >5,000, Deduct	-5.59
		For 7.5mm Liner Thickness, Add	10.59
		For 9mm Liner Thickness, Add	21.41
		For 10.5mm Liner Thickness, Add	32.09
		For 12mm Liner Thickness, Add	42.70
		For 13.5mm Liner Thickness, Add	53.46
		For 15mm Liner Thickness, Add	64.05
		For 16.5mm Liner Thickness, Add	76.01
		For 18mm Liner Thickness, Add	86.86
		For 19.5mm Liner Thickness, Add	98.06
		For 21mm Liner Thickness, Add	108.81
		For 22.5mm Liner Thickness, Add	119.67
		For 24mm Liner Thickness, Add	130.56
		For 27mm Liner Thickness, Add	152.37
33 01 30 79-0015	LF	6mm Lining 27" Pipe With Cured In-Place Pipe (CIPP)	58.03
		For Up To 75, Add	24.48
		For >75 To 150, Add	12.24
		For >500 To 1,000, Deduct	-1.36
		For >1,000 To 2,000, Deduct	-2.67
		For >2,000 To 5,000, Deduct	-4.08
		For >5,000, Deduct	-6.30
		For 7.5mm Liner Thickness, Add	12.03
		For 9mm Liner Thickness, Add	24.33
		For 10.5mm Liner Thickness, Add	36.46
		For 12mm Liner Thickness, Add	48.52
		For 13.5mm Liner Thickness, Add	60.74
		For 15mm Liner Thickness, Add	72.77
		For 16.5mm Liner Thickness, Add	86.36
		For 18mm Liner Thickness, Add	98.70
		For 19.5mm Liner Thickness, Add	111.42
		For 21mm Liner Thickness, Add	123.63
		For 22.5mm Liner Thickness, Add	135.97
		For 24mm Liner Thickness, Add	148.35
		For 27mm Liner Thickness, Add	173.13
33 01 30 79-0016	LF	6mm Lining 30" Pipe With Cured In-Place Pipe (CIPP)	64.48
		For Up To 75, Add	27.20
		For >75 To 150, Add	13.60
		For >500 To 1,000, Deduct	-1.51
		For >1,000 To 2,000, Deduct	-2.96
		For >2,000 To 5,000, Deduct	-4.53
		For >5,000, Deduct	-7.00
		For 7.5mm Liner Thickness, Add	13.37
		For 9mm Liner Thickness, Add	27.03
		For 10.5mm Liner Thickness, Add	40.51
		For 12mm Liner Thickness, Add	53.91
		For 13.5mm Liner Thickness, Add	67.49
		For 15mm Liner Thickness, Add	80.86
		For 16.5mm Liner Thickness, Add	95.96
		For 18mm Liner Thickness, Add	109.67
		For 19.5mm Liner Thickness, Add	123.80
		For 21mm Liner Thickness, Add	137.37
		For 22.5mm Liner Thickness, Add	151.08
		For 24mm Liner Thickness, Add	164.84
		For 27mm Liner Thickness, Add	192.37
33 01 30 79-0017	LF	6mm Lining 36" Pipe With Cured In-Place Pipe (CIPP)	77.97
		For Up To 75, Add	31.68
		For >75 To 150, Add	15.84
		For >500 To 1,000, Deduct	-1.81
		For >1,000 To 2,000, Deduct	-3.55
		For >2,000 To 5,000, Deduct	-5.42
		For >5,000, Deduct	-8.42
		For 7.5mm Liner Thickness, Add	16.40
		For 9mm Liner Thickness, Add	33.16
		For 10.5mm Liner Thickness, Add	49.69
		For 12mm Liner Thickness, Add	66.12
		For 13.5mm Liner Thickness, Add	82.79
		For 15mm Liner Thickness, Add	99.19
		For 16.5mm Liner Thickness, Add	117.71
		For 18mm Liner Thickness, Add	134.52
		For 19.5mm Liner Thickness, Add	151.86
		For 21mm Liner Thickness, Add	168.51
		For 22.5mm Liner Thickness, Add	185.32
		For 24mm Liner Thickness, Add	202.19
		For 27mm Liner Thickness, Add	235.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0018 LF 13.5mm Lining 42" Pipe With Cured In-Place Pipe (CIPP)	194.62	
For Up To 75, Add	57.31	
For >75 To 150, Add	28.65	
For >500 To 1,000, Deduct	-4.18	
For >1,000 To 2,000, Deduct	-8.28	
For >2,000 To 5,000, Deduct	-12.53	
For >5,000, Deduct	-20.17	
For 15mm Liner Thickness, Add	20.05	
For 16.5mm Liner Thickness, Add	42.32	
For 18mm Liner Thickness, Add	63.82	
For 19.5mm Liner Thickness, Add	84.18	
For 21mm Liner Thickness, Add	104.71	
For 22.5mm Liner Thickness, Add	125.18	
For 24mm Liner Thickness, Add	146.08	
For 27mm Liner Thickness, Add	190.53	
33 01 30 79-0019 LF 13.5mm Lining 48" Pipe With Cured In-Place Pipe (CIPP)	222.75	
For Up To 75, Add	65.99	
For >75 To 150, Add	32.99	
For >500 To 1,000, Deduct	-4.78	
For >1,000 To 2,000, Deduct	-9.49	
For >2,000 To 5,000, Deduct	-14.35	
For >5,000, Deduct	-23.10	
For 15mm Liner Thickness, Add	22.92	
For 16.5mm Liner Thickness, Add	48.37	
For 18mm Liner Thickness, Add	72.93	
For 19.5mm Liner Thickness, Add	96.20	
For 21mm Liner Thickness, Add	119.67	
For 22.5mm Liner Thickness, Add	143.06	
For 24mm Liner Thickness, Add	166.95	
For 27mm Liner Thickness, Add	217.75	
33 01 30 79-0020 LF 15mm Lining 54" Pipe With Cured In-Place Pipe (CIPP)	277.69	
For Up To 75, Add	81.28	
For >75 To 150, Add	40.64	
For >500 To 1,000, Deduct	-5.95	
For >1,000 To 2,000, Deduct	-11.80	
For >2,000 To 5,000, Deduct	-17.85	
For >5,000, Deduct	-28.76	
For 16.5mm Liner Thickness, Add	25.81	
For 18mm Liner Thickness, Add	51.64	
For 19.5mm Liner Thickness, Add	77.68	
For 21mm Liner Thickness, Add	103.70	
For 22.5mm Liner Thickness, Add	129.67	
For 24mm Liner Thickness, Add	155.74	
For 27mm Liner Thickness, Add	207.91	
33 01 30 79-0021 LF 18mm Lining 60" Pipe With Cured In-Place Pipe (CIPP)	370.91	
For Up To 75, Add	109.27	
For >75 To 150, Add	54.63	
For >500 To 1,000, Deduct	-7.96	
For >1,000 To 2,000, Deduct	-15.78	
For >2,000 To 5,000, Deduct	-23.87	
For >5,000, Deduct	-38.44	
For 19.5mm Liner Thickness, Add	28.68	
For 21mm Liner Thickness, Add	57.61	
For 22.5mm Liner Thickness, Add	86.43	
For 24mm Liner Thickness, Add	115.35	
For 27mm Liner Thickness, Add	173.30	
33 01 30 79-0022 LF 18mm Lining 66" Pipe With Cured In-Place Pipe (CIPP)	420.82	
For Up To 75, Add	139.31	
For >75 To 150, Add	69.66	
For >500 To 1,000, Deduct	-9.26	
For >1,000 To 2,000, Deduct	-18.32	
For >2,000 To 5,000, Deduct	-27.79	
For >5,000, Deduct	-44.20	
For 19.5mm Liner Thickness, Add	31.56	
For 21mm Liner Thickness, Add	63.38	
For 22.5mm Liner Thickness, Add	95.09	
For 24mm Liner Thickness, Add	126.92	
For 27mm Liner Thickness, Add	190.68	
33 01 30 79-0023 LF 18mm Lining 72" Pipe With Cured In-Place Pipe (CIPP)	487.10	
For Up To 75, Add	193.93	
For >75 To 150, Add	96.97	
For >500 To 1,000, Deduct	-11.23	
For >1,000 To 2,000, Deduct	-22.08	
For >2,000 To 5,000, Deduct	-33.68	
For >5,000, Deduct	-52.42	
For 19.5mm Liner Thickness, Add	34.43	
For 21mm Liner Thickness, Add	69.15	
For 22.5mm Liner Thickness, Add	103.75	
For 24mm Liner Thickness, Add	138.47	
For 27mm Liner Thickness, Add	208.04	
33 01 30 79-0024 Form And Fold Polyethylene (PE) Pipeliner (33 01 30 79-0001)		
33 01 30 79-0025 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	18.07	
For DR 26 Pipe Liner, Add	3.46	
For >500 To 1,000, Deduct	-0.32	
For >1,000 To 2,000, Deduct	-0.64	
For >2,000, Deduct	-1.27	

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33 01 30 79-0026	LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	23.36
	For DR 26 Pipe Liner, Add	4.70
	For DR 35 Pipe Liner, Deduct	-2.35
	For >500 To 1,000, Deduct	-0.34
	For >1,000 To 2,000, Deduct	-0.69
	For >2,000, Deduct	-1.37
33 01 30 79-0027	LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	24.09
	For DR 26 Pipe Liner, Add	4.79
	For DR 35 Pipe Liner, Deduct	-2.39
	For >500 To 1,000, Deduct	-0.37
	For >1,000 To 2,000, Deduct	-0.74
	For >2,000, Deduct	-1.49
33 01 30 79-0028	LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	34.09
	For DR 26 Pipe Liner, Add	7.18
	For DR 35 Pipe Liner, Deduct	-3.59
	For DR 41 Pipe Liner, Deduct	-7.18
	For >500 To 1,000, Deduct	-0.40
	For >1,000 To 2,000, Deduct	-0.81
	For >2,000, Deduct	-1.62
33 01 30 79-0029	LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	47.94
	For DR 26 Pipe Liner, Add	10.50
	For DR 35 Pipe Liner, Deduct	-5.25
	For DR 41 Pipe Liner, Deduct	-10.50
	For >500 To 1,000, Deduct	-0.44
	For >1,000 To 2,000, Deduct	-0.89
	For >2,000, Deduct	-1.78
33 01 30 79-0030	LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	65.90
	For DR 35 Pipe Liner, Deduct	-7.39
	For DR 41 Pipe Liner, Deduct	-14.79
	For >500 To 1,000, Deduct	-0.51
	For >1,000 To 2,000, Deduct	-1.01
	For >2,000, Deduct	-2.03
33 01 30 79-0031	LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	93.37
	For DR 41 Pipe Liner, Deduct	-8.58
	For DR 50 Pipe Liner, Deduct	-17.15
	For >500 To 1,000, Deduct	-0.57
	For >1,000 To 2,000, Deduct	-1.14
	For >2,000, Deduct	-2.28
33 01 30 79-0032	LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	105.67
	For DR 50 Pipe Liner, Deduct	-14.61
	For DR 55 Pipe Liner, Deduct	-24.36
	For >500 To 1,000, Deduct	-0.62
	For >1,000 To 2,000, Deduct	-1.24
	For >2,000, Deduct	-2.48
33 01 30 79-0033	LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	129.04
	For DR 60 Pipe Liner, Deduct	-18.01
	For >500 To 1,000, Deduct	-0.68
	For >1,000 To 2,000, Deduct	-1.35
	For >2,000, Deduct	-2.70
33 01 30 79-0034	Form And Fold Polyvinyl Chloride (PVC) Pipeliner (33 01 30 79-0001)	
33 01 30 79-0035	LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	19.38
	For >500 To 1,000, Deduct	-0.32
	For >1,000 To 2,000, Deduct	-0.64
	For >2,000, Deduct	-1.27
	For DR 26 Pipe Liner, Add	3.79
33 01 30 79-0036	LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	23.36
	For >500 To 1,000, Deduct	-0.34
	For >1,000 To 2,000, Deduct	-0.69
	For >2,000, Deduct	-1.37
	For DR 26 Pipe Liner, Add	4.70
	For DR 35 Pipe Liner, Deduct	-2.35
33 01 30 79-0037	LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	25.83
	For >500 To 1,000, Deduct	-0.37
	For >1,000 To 2,000, Deduct	-0.74
	For >2,000, Deduct	-1.49
	For DR 26 Pipe Liner, Add	5.22
	For DR 35 Pipe Liner, Deduct	-2.61
33 01 30 79-0038	LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	36.70
	For >500 To 1,000, Deduct	-0.40
	For >1,000 To 2,000, Deduct	-0.81
	For >2,000, Deduct	-1.62
	For DR 26 Pipe Liner, Add	7.83
	For DR 35 Pipe Liner, Deduct	-3.91
	For DR 41 Pipe Liner, Deduct	-7.83
33 01 30 79-0039	LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	51.86
	For >500 To 1,000, Deduct	-0.44
	For >1,000 To 2,000, Deduct	-0.89
	For >2,000, Deduct	-1.78
	For DR 26 Pipe Liner, Add	11.48
	For DR 35 Pipe Liner, Deduct	-5.74
	For DR 41 Pipe Liner, Deduct	-11.48
33 01 30 79-0040	LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	71.47
	For >500 To 1,000, Deduct	-0.51
	For >1,000 To 2,000, Deduct	-1.01
	For >2,000, Deduct	-2.03
	For DR 35 Pipe Liner, Deduct	-8.09
	For DR 41 Pipe Liner, Deduct	-16.18



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33 01 30 79-0041 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	101.55	
For >500 To 1,000, Deduct	-0.57	
For >1,000 To 2,000, Deduct	-1.14	
For >2,000, Deduct	-2.28	
For DR 41 Pipe Liner, Deduct	-9.39	
For DR 50 Pipe Liner, Deduct	-18.79	
33 01 30 79-0042 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	114.72	
For >500 To 1,000, Deduct	-0.62	
For >1,000 To 2,000, Deduct	-1.24	
For >2,000, Deduct	-2.48	
For DR 50 Pipe Liner, Deduct	-15.97	
For DR 55 Pipe Liner, Deduct	-26.62	
33 01 30 79-0043 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	140.52	
For >500 To 1,000, Deduct	-0.68	
For >1,000 To 2,000, Deduct	-1.35	
For >2,000, Deduct	-2.70	
For DR 60 Pipe Liner, Deduct	-19.73	
33 01 30 79-0044 Laterals; Cutting, Grouting And Reinstatement (33 01 30 79-0001)		
33 01 30 79-0045 Lateral Reinstatement/Reconnection (33 01 30 79-0044)		
33 01 30 79-0046 EA Cut Liner For Laterals, 4" (Robotic)	212.35	
33 01 30 79-0047 EA Cut Liner For Laterals, 6" (Robotic)	229.57	
33 01 30 79-0048 EA Cut Liner For Laterals, 8" (Robotic)	258.27	
33 01 30 79-0049 Grout Lateral Service (33 01 30 79-0044)		
33 01 30 79-0050 Grout Lateral Service - Bladder (33 01 30 79-0049)		
33 01 30 79-0051 EA Grout 4" Lateral Service - Bladder	224.69	
33 01 30 79-0052 EA Grout 6" Lateral Service - Bladder	260.20	
33 01 30 79-0053 EA Grout 8" Lateral Service - Bladder	295.70	
33 01 30 79-0054 Lining Lateral Pipe (33 01 30 79-0044)		
33 01 30 79-0055 Lining Lateral Pipe (33 01 30 79-0054)		
33 01 30 79-0056 LF 6mm Lining 4" To 6" Lateral Pipe With Cured In-Place Pipe (CIPP).....	26.05	
For 7.5mm, Add	4.39	
For 9 mm, Add	8.88	
33 01 30 79-0057 Relining Underground Water Pipelines (33 01 30 79)		
Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.		
33 01 30 79-0058 Relining Underground Water Pipelines Set-Up And Reinsertion (33 01 30 79-0057)		
33 01 30 79-0059 EA Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	1,979.60	
33 01 30 79-0060 EA Move And Reset Up At Different Access/Location.....	791.84	
33 01 30 79-0061 Lining Pipe With Cement (33 01 30 79-0057)		
33 01 30 79-0062 LF Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	23.20	
For 3/16" Thickness, Add	0.35	
For 1/4" Thickness, Add	0.70	
33 01 30 79-0063 LF >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	20.65	
For 3/16" Thickness, Add	0.35	
For 1/4" Thickness, Add	0.70	
33 01 30 79-0064 LF >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	17.26	
For 3/16" Thickness, Add	0.35	
For 1/4" Thickness, Add	0.70	
33 01 30 79-0065 LF >5,000', 4" Pipe, 1/8" Pipe Lining With Cement	12.98	
For 3/16" Thickness, Add	0.35	
For 1/4" Thickness, Add	0.70	
33 01 30 79-0066 LF Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	24.13	
For 3/16" Thickness, Add	0.53	
For 1/4" Thickness, Add	1.05	
33 01 30 79-0067 LF >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	21.49	
For 3/16" Thickness, Add	0.53	
For 1/4" Thickness, Add	1.05	
33 01 30 79-0068 LF >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	17.98	
For 3/16" Thickness, Add	0.53	
For 1/4" Thickness, Add	1.05	
33 01 30 79-0069 LF >5,000', 6" Pipe, 1/8" Pipe Lining With Cement	13.64	
For 3/16" Thickness, Add	0.53	
For 1/4" Thickness, Add	1.05	
33 01 30 79-0070 LF Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	25.03	
For 3/16" Thickness, Add	0.70	
For 1/4" Thickness, Add	1.40	
33 01 30 79-0071 LF >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	22.33	
For 3/16" Thickness, Add	0.70	
For 1/4" Thickness, Add	1.40	
33 01 30 79-0072 LF >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	18.69	
For 3/16" Thickness, Add	0.70	
For 1/4" Thickness, Add	1.40	

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33 01 30 79-0073 LF >5,000', 8" Pipe, 1/8" Pipe Lining With Cement.....	14.30	
For 3/16" Thickness, Add	0.70	
For 1/4" Thickness, Add	1.40	
33 01 30 79-0074 LF Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement.....	25.71	
For 3/16" Thickness, Add	0.88	
For 1/4" Thickness, Add	1.75	
33 01 30 79-0075 LF >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement.....	22.97	
For 3/16" Thickness, Add	0.88	
For 1/4" Thickness, Add	1.75	
33 01 30 79-0076 LF >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement.....	19.27	
For 3/16" Thickness, Add	0.88	
For 1/4" Thickness, Add	1.75	
33 01 30 79-0077 LF >5,000', 10" Pipe, 1/8" Pipe Lining With Cement.....	14.96	
For 3/16" Thickness, Add	0.88	
For 1/4" Thickness, Add	1.75	
33 01 30 79-0078 LF Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement.....	27.78	
For 3/16" Thickness, Add	1.05	
For 1/4" Thickness, Add	2.10	
33 01 30 79-0079 LF >500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement.....	24.87	
For 3/16" Thickness, Add	1.05	
For 1/4" Thickness, Add	2.10	
33 01 30 79-0080 LF >1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement.....	20.95	
For 3/16" Thickness, Add	1.05	
For 1/4" Thickness, Add	2.10	
33 01 30 79-0081 LF >5,000', 12" Pipe, 1/8" Pipe Lining With Cement.....	16.28	
For 3/16" Thickness, Add	1.05	
For 1/4" Thickness, Add	2.10	
33 01 30 79-0082 LF Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	29.96	
For 1/4" Thickness, Add	1.17	
For 5/16" Thickness, Add	2.33	
33 01 30 79-0083 LF >500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	26.95	
For 1/4" Thickness, Add	1.17	
For 5/16" Thickness, Add	2.33	
33 01 30 79-0084 LF >1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	22.86	
For 1/4" Thickness, Add	1.17	
For 5/16" Thickness, Add	2.33	
33 01 30 79-0085 LF >5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	18.39	
For 1/4" Thickness, Add	1.17	
For 5/16" Thickness, Add	2.33	
33 01 30 79-0086 LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	31.44	
For 1/4" Thickness, Add	1.40	
For 5/16" Thickness, Add	2.80	
33 01 30 79-0087 LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	28.33	
For 1/4" Thickness, Add	1.40	
For 5/16" Thickness, Add	2.80	
33 01 30 79-0088 LF >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	24.10	
For 1/4" Thickness, Add	1.40	
For 5/16" Thickness, Add	2.80	
33 01 30 79-0089 LF >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	19.86	
For 1/4" Thickness, Add	1.40	
For 5/16" Thickness, Add	2.80	
33 01 30 79-0090 LF Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	33.26	
For 1/4" Thickness, Add	1.63	
For 5/16" Thickness, Add	3.27	
33 01 30 79-0091 LF >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	30.05	
For 1/4" Thickness, Add	1.63	
For 5/16" Thickness, Add	3.27	
33 01 30 79-0092 LF >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	25.61	
For 1/4" Thickness, Add	1.63	
For 5/16" Thickness, Add	3.27	
33 01 30 79-0093 LF >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	21.65	
For 1/4" Thickness, Add	1.63	
For 5/16" Thickness, Add	3.27	
33 01 30 79-0094 LF Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement.....	35.13	
For 1/4" Thickness, Add	1.87	
For 5/16" Thickness, Add	3.73	
33 01 30 79-0095 LF >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement.....	31.78	
For 1/4" Thickness, Add	1.87	
For 5/16" Thickness, Add	3.73	
33 01 30 79-0096 LF >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement.....	27.20	
For 1/4" Thickness, Add	1.87	
For 5/16" Thickness, Add	3.73	
33 01 30 79-0097 LF >5,000', 24" Pipe, 3/16" Pipe Lining With Cement.....	23.51	
For 1/4" Thickness, Add	1.87	
For 5/16" Thickness, Add	3.73	
33 01 30 79-0098 LF Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement.....	37.66	
For 1/4" Thickness, Add	2.33	
For 5/16" Thickness, Add	4.67	
33 01 30 79-0099 LF >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement.....	34.11	
For 1/4" Thickness, Add	2.33	
For 5/16" Thickness, Add	4.67	
33 01 30 79-0100 LF >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement.....	29.26	
For 1/4" Thickness, Add	2.33	
For 5/16" Thickness, Add	4.67	
33 01 30 79-0101 LF >5,000', 30" Pipe, 3/16" Pipe Lining With Cement.....	25.53	
For 1/4" Thickness, Add	2.33	
For 5/16" Thickness, Add	4.67	
33 01 30 79-0102 LF Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement.....	40.16	
For 1/4" Thickness, Add	2.80	
For 5/16" Thickness, Add	5.61	



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33 01 30 79-0103 LF 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	36.46 2.80 5.61	
33 01 30 79-0104 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	31.34 2.80 5.61	
33 01 30 79-0105 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement <i>For 1/4" Thickness, Add</i> <i>For 5/16" Thickness, Add</i>	27.57 2.80 5.61	
33 01 30 79-0106 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	49.41 7.36 11.03	
33 01 30 79-0107 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	45.37 7.36 11.03	
33 01 30 79-0108 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	39.82 7.36 11.03	
33 01 30 79-0109 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	35.92 7.36 11.03	
33 01 30 79-0110 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	54.43 8.41 12.61	
33 01 30 79-0111 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	50.11 8.41 12.61	
33 01 30 79-0112 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	44.13 8.41 12.61	
33 01 30 79-0113 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	40.16 8.41 12.61	
33 01 30 79-0114 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	57.22 9.46 14.18	
33 01 30 79-0115 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	52.82 9.46 14.18	
33 01 30 79-0116 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	46.70 9.46 14.18	
33 01 30 79-0117 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	42.89 9.46 14.18	
33 01 30 79-0118 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	60.03 10.51 15.76	
33 01 30 79-0119 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	55.53 10.51 15.76	
33 01 30 79-0120 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	49.30 10.51 15.76	
33 01 30 79-0121 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	45.61 10.51 15.76	
33 01 30 79-0122 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	62.94 11.56 17.33	
33 01 30 79-0123 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	58.35 11.56 17.33	
33 01 30 79-0124 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	52.02 11.56 17.33	
33 01 30 79-0125 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	48.60 11.56 17.33	
33 01 30 79-0126 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	66.01 12.61 18.91	
33 01 30 79-0127 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	61.35 12.61 18.91	
33 01 30 79-0128 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	54.86 12.61 18.91	
33 01 30 79-0129 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	51.63 12.61 18.91	
33 01 30 81 Manhole Rehabilitation (33 01 30)		
33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81) Note: Work is in confined spaces.		
33 01 30 81-0002 Inspection And Ventilation System Set-up (33 01 30 81-0001)		
33 01 30 81-0003 EA Inspect Manhole	71.26	

33 Utilities

33 01 Operation And Maintenance Of Utilities

33 01 30 Operation And Maintenance Of Sewer Utilities

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 81-0004	EA	Installation & Maintenance Of Ventilation System, Inspection And Repair Of Water Mains, 36" To 60" Diameter To 2600' Section Length.....	7,474.20	
33 01 30 81-0005	EA	Installation & Maintenance Of Ventilation System, Inspection And Repair Of Water Mains, 60" To 108" Diameter To 2600' Section Length.....	10,662.57	
33 01 30 81-0006		Manhole Seals <small>(33 01 30 81-0001)</small>		
33 01 30 81-0007		Internal Manhole Chimney Seals <small>(33 01 30 81-0006)</small>		
		Note: Cretex.		
33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal.....	236.09	
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal.....	248.87	
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal.....	255.24	
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal.....	293.53	
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal.....	331.82	
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal.....	370.10	
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal.....	446.68	
33 01 30 81-0015		External Manhole Encapsulation <small>(33 01 30 81-0006)</small>		
		Note: Wrapidseal.		
33 01 30 81-0016	EA	24" External Manhole Encapsulation.....	344.57	
33 01 30 81-0017	EA	30" External Manhole Encapsulation.....	363.73	
33 01 30 81-0018	EA	36" External Manhole Encapsulation.....	389.24	
33 01 30 81-0019	EA	42" External Manhole Encapsulation.....	421.15	
33 01 30 81-0020	EA	48" External Manhole Encapsulation.....	465.81	
33 01 30 81-0021	EA	54" External Manhole Encapsulation.....	516.87	
33 01 30 81-0022	EA	60" External Manhole Encapsulation.....	580.67	
33 01 30 81-0023		Manhole Crack Repair <small>(33 01 30 81-0001)</small>		
		Note: Includes removing loose materials and cleaning.		
33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	20.50	
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	27.82	
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair.....	18.14	
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair.....	24.83	
33 01 30 81-0028		Manhole Patching <small>(33 01 30 81-0001)</small>		
		Note: Includes removing loose materials and cleaning.		
33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	5.94	
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	21.75	
33 01 30 81-0031		Manhole Joint Restoration <small>(33 01 30 81-0001)</small>		
		Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,174.77	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	133.48	
33 01 30 81-0033	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,371.51	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	143.23	
33 01 30 81-0034	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,566.37	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	152.98	
33 01 30 81-0035	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,885.80	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	157.86	
33 01 30 81-0036	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,204.28	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	162.73	
33 01 30 81-0037		Step Installation In Existing Manholes <small>(33 01 30 81-0001)</small>		
		Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	62.12	6.82
33 01 30 81-0039	EA	Drill And Grout Galvanized Steel Manhole Step.....	49.11	6.82
33 01 30 81-0040	EA	Bolt On Galvanized Steel Manhole Step.....	55.00	6.82
33 01 30 81-0041	EA	Drill And Grout Aluminum Manhole Step.....	45.84	6.82
33 01 30 81-0042	EA	Drill And Insert Polypropylene Manhole Step.....	27.48	5.46
33 01 30 81-0043		Manhole Penetration Sealing <small>(33 01 30 81-0001)</small>		
		Note: At new pipe connection to manhole.		
33 01 30 81-0044	EA	6" To 12" Opening, Seal New Pipe Connection To Existing Manhole.....	145.35	
33 01 30 81-0045	EA	>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole.....	230.41	
33 01 30 81-0046	EA	>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole.....	323.70	
33 01 30 81-0047		Invert Restoration <small>(33 01 30 81-0001)</small>		
		Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0048		Concrete Invert Restoration <small>(33 01 30 81-0047)</small>		
33 01 30 81-0049	EA	2' Diameter, Concrete Invert Restoration.....	156.35	
33 01 30 81-0050	EA	3' Diameter, Concrete Invert Restoration.....	174.17	
33 01 30 81-0051	EA	4' Diameter, Concrete Invert Restoration.....	191.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0052 EA 5' Diameter, Concrete Invert Restoration.....	209.80	
33 01 30 81-0053 EA 6' Diameter, Concrete Invert Restoration.....	263.24	
33 01 30 81-0054 SF Square Or Rectangular, Concrete Invert Restoration.....	15.27	
33 01 30 81-0055 Brick Invert Restoration (33 01 30 81-0047)		
33 01 30 81-0056 EA 2' Diameter, Brick Invert Restoration.....	281.52	
33 01 30 81-0057 EA 3' Diameter, Brick Invert Restoration.....	299.33	
33 01 30 81-0058 EA 4' Diameter, Brick Invert Restoration.....	317.15	
33 01 30 81-0059 EA 5' Diameter, Brick Invert Restoration.....	334.97	
33 01 30 81-0060 EA 6' Diameter, Brick Invert Restoration.....	352.79	
33 01 30 81-0061 SF Square Or Rectangular, Brick Invert Restoration.....	20.95	
33 01 30 82 Lining For Concrete Manholes (33 01 30)		
33 01 30 82-0001 Manhole Lining (33 01 30 82)		
Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 82-0002 Cementitious Manhole Restoration, Interior (33 01 30 82-0001)		
33 01 30 82-0003 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior.....	61.35	
For Each Additional 1/2" Thick Material, Add	18.18	
For 2 To 5 Manholes, Deduct	-4.23	
For 6 To 10 Manholes, Deduct	-6.92	
For >10 Manholes, Deduct	-13.83	
33 01 30 82-0004 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior.....	71.16	
For Each Additional 1/2" Thick Material, Add	21.16	
For 2 To 5 Manholes, Deduct	-4.90	
For 6 To 10 Manholes, Deduct	-8.02	
For >10 Manholes, Deduct	-16.04	
33 01 30 82-0005 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	80.98	
For Each Additional 1/2" Thick Material, Add	24.15	
For 2 To 5 Manholes, Deduct	-5.57	
For 6 To 10 Manholes, Deduct	-9.12	
For >10 Manholes, Deduct	-18.24	
33 01 30 82-0006 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	95.87	
For Each Additional 1/2" Thick Material, Add	29.75	
For 2 To 5 Manholes, Deduct	-6.56	
For 6 To 10 Manholes, Deduct	-10.72	
For >10 Manholes, Deduct	-21.45	
33 01 30 82-0007 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	105.63	
For Each Additional 1/2" Thick Material, Add	34.64	
For 2 To 5 Manholes, Deduct	-7.17	
For 6 To 10 Manholes, Deduct	-11.70	
For >10 Manholes, Deduct	-23.40	
33 01 30 82-0008 Polyurethane Manhole Restoration, Interior (33 01 30 82-0001)		
33 01 30 82-0009 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior.....	121.42	
For 80 Mil Material, Add	12.14	
For 100 Mil Material, Add	24.29	
For 125 Mil Material, Add	37.41	
For 150 Mil Material, Add	50.54	
For 200 Mil Material, Add	71.30	
For 2 To 5 Manholes, Deduct	-8.81	
For 6 To 10 Manholes, Deduct	-14.59	
For >10 Manholes, Deduct	-29.18	
33 01 30 82-0010 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior.....	147.75	
For 80 Mil Material, Add	14.63	
For 100 Mil Material, Add	29.25	
For 125 Mil Material, Add	45.02	
For 150 Mil Material, Add	60.79	
For 200 Mil Material, Add	85.63	
For 2 To 5 Manholes, Deduct	-10.74	
For 6 To 10 Manholes, Deduct	-17.78	
For >10 Manholes, Deduct	-35.57	
33 01 30 82-0011 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior.....	161.89	
For 80 Mil Material, Add	16.19	
For 100 Mil Material, Add	32.38	
For 125 Mil Material, Add	49.88	
For 150 Mil Material, Add	67.38	
For 200 Mil Material, Add	95.07	
For 2 To 5 Manholes, Deduct	-11.75	
For 6 To 10 Manholes, Deduct	-19.45	
For >10 Manholes, Deduct	-38.90	
33 01 30 82-0012 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior.....	202.37	
For 80 Mil Material, Add	20.24	
For 100 Mil Material, Add	40.48	
For 125 Mil Material, Add	62.36	
For 150 Mil Material, Add	84.23	
For 200 Mil Material, Add	118.84	
For 2 To 5 Manholes, Deduct	-14.69	
For 6 To 10 Manholes, Deduct	-24.32	
For >10 Manholes, Deduct	-48.63	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 82-0013	VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	242.84
	For 80 Mil Material, Add	24.29
	For 100 Mil Material, Add	48.58
	For 125 Mil Material, Add	74.83
	For 150 Mil Material, Add	101.08
	For 200 Mil Material, Add	142.61
	For 2 To 5 Manholes, Deduct	-17.63
	For 6 To 10 Manholes, Deduct	-29.18
	For >10 Manholes, Deduct	-58.36
33 01 30 82-0014	Epoxy Manhole Restoration, Interior <small>(33 01 30 82-0001)</small>	
33 01 30 82-0015	VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	143.31
	For 80 Mil Material, Add	19.44
	For 100 Mil Material, Add	38.88
	For 125 Mil Material, Add	61.13
	For 150 Mil Material, Add	83.37
	For 200 Mil Material, Add	122.38
	For 2 To 5 Manholes, Deduct	-9.91
	For 6 To 10 Manholes, Deduct	-16.23
	For >10 Manholes, Deduct	-32.46
33 01 30 82-0016	VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	173.33
	For 80 Mil Material, Add	23.15
	For 100 Mil Material, Add	46.30
	For 125 Mil Material, Add	72.73
	For 150 Mil Material, Add	99.16
	For 200 Mil Material, Add	145.31
	For 2 To 5 Manholes, Deduct	-12.02
	For 6 To 10 Manholes, Deduct	-19.70
	For >10 Manholes, Deduct	-39.40
33 01 30 82-0017	VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	191.08
	For 80 Mil Material, Add	25.92
	For 100 Mil Material, Add	51.84
	For 125 Mil Material, Add	81.51
	For 150 Mil Material, Add	111.17
	For 200 Mil Material, Add	163.18
	For 2 To 5 Manholes, Deduct	-13.21
	For 6 To 10 Manholes, Deduct	-21.64
	For >10 Manholes, Deduct	-43.28
33 01 30 82-0018	VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	238.89
	For 80 Mil Material, Add	32.41
	For 100 Mil Material, Add	64.83
	For 125 Mil Material, Add	101.92
	For 150 Mil Material, Add	139.01
	For 200 Mil Material, Add	204.05
	For 2 To 5 Manholes, Deduct	-16.51
	For 6 To 10 Manholes, Deduct	-27.06
	For >10 Manholes, Deduct	-54.11
33 01 30 82-0019	VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	286.66
	For 80 Mil Material, Add	38.90
	For 100 Mil Material, Add	77.79
	For 125 Mil Material, Add	122.30
	For 150 Mil Material, Add	166.81
	For 200 Mil Material, Add	244.85
	For 2 To 5 Manholes, Deduct	-19.82
	For 6 To 10 Manholes, Deduct	-32.47
	For >10 Manholes, Deduct	-64.93
33 01 30 82-0020	Multiplxxx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior <small>(33 01 30 82-0001)</small>	
33 01 30 82-0021	VLF 3' Diameter, Multiplxxx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	277.78
	For 2 To 5 Manholes, Deduct	-15.56
	For 6 To 10 Manholes, Deduct	-24.17
	For >10 Manholes, Deduct	-48.35
33 01 30 82-0022	VLF 3-1/2' Diameter, Multiplxxx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	340.27
	For 2 To 5 Manholes, Deduct	-19.06
	For 6 To 10 Manholes, Deduct	-29.60
	For >10 Manholes, Deduct	-59.21
33 01 30 82-0023	VLF 4' Diameter, Multiplxxx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	404.66
	For 2 To 5 Manholes, Deduct	-22.46
	For 6 To 10 Manholes, Deduct	-34.80
	For >10 Manholes, Deduct	-69.61
33 01 30 82-0024	VLF 5' Diameter, Multiplxxx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	507.66
	For 2 To 5 Manholes, Deduct	-28.17
	For 6 To 10 Manholes, Deduct	-43.64
	For >10 Manholes, Deduct	-87.28
33 01 30 82-0025	VLF 6' Diameter, Multiplxxx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	610.67
	For 2 To 5 Manholes, Deduct	-33.87
	For 6 To 10 Manholes, Deduct	-52.48
	For >10 Manholes, Deduct	-104.96
33 01 30 86	Manhole Rim Adjustment <small>(33 01 30)</small>	
33 01 30 86-0001	Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86)</small>	
33 01 30 86-0002	Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86-0001)</small>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 86-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	204.98	
33 01 30 86-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	233.70	
33 01 30 86-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	259.30	
33 01 30 86-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	288.52	
33 01 30 86-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	311.35	
33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser (33 01 30 86-0001)		
33 01 30 86-0009 EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	249.94	
33 01 30 86-0010 EA >2" To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	273.73	
33 01 30 86-0011 EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	304.35	
33 01 30 86-0012 EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	333.56	
33 01 30 86-0013 EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	361.38	
33 01 30 86-0014 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers (33 01 30 86-0001)		
33 01 30 86-0015 EA >6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	346.29	
33 01 30 86-0016 EA 7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	378.37	
33 01 30 86-0017 EA 7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	410.78	
33 01 30 86-0018 EA 8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	435.24	
33 01 30 86-0019 EA 9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	475.05	
33 01 30 86-0020 EA 10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	510.31	
33 01 30 86-0021 EA 11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	544.36	
33 01 30 86-0022 EA 12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	578.85	
33 01 30 86-0023 >12" Rise, Solid Manhole Risers (33 01 30 86)		
33 01 30 86-0024 Precast Concrete Manhole Riser (33 01 30 86-0023)		
33 01 30 86-0025 VLF Up To 26" Diameter Precast Concrete Manhole Riser	54.11	
33 01 30 86-0026 VLF >26" To 36" Diameter Precast Concrete Manhole Riser	64.30	
33 01 30 86-0027 VLF >36" To 48" Diameter Precast Concrete Manhole Riser	73.58	
33 01 30 86-0028 VLF >48" To 60" Diameter Precast Concrete Manhole Riser	152.13	
33 01 30 86-0029 VLF >60" To 72" Diameter Precast Concrete Manhole Riser	222.48	
33 01 30 89 By Pass Piping And Pumping Of Sewer Utilities (33 01 30)		
33 01 30 89-0001 Set-Up By-Pass Pumping Unit (33 01 30 89)		
Note: Excludes pump and hose rental. See CSI section 01 22 23 00-0809 for pump rental, 01 22 23 00-0842 for suction hose, 01 22 23 00-0861 for discharge hose.		
33 01 30 89-0002 EA Set-up By-Pass Pumping Unit	743.34	
33 01 30 89-0003 EA Re-Set Up/Move By-Pass Pumping Unit	371.68	
33 01 30 89-0004 By-Pass Pumping (33 01 30 89)		
Note: Excludes pump rental. See CSI section 01 22 23 00-0809 for pump rental.		
33 01 30 89-0005 DAY Maintain And Operate By-Pass Pumping Unit	185.83	
33 01 30 89-0006 WK Maintain And Operate By-Pass Pumping Unit	929.18	
33 01 30 89-0007 MO Maintain And Operate By-Pass Pumping Unit	3,902.56	
33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems (33 01)		
33 01 34 13 Septic Tank Solids Removal (33 01 34)		
33 01 34 13-0001 Pump Out Septic Tanks (33 01 34 13)		
33 01 34 13-0002 GAL Pump Out Septic Tank And Dispose	0.32	
33 01 60 Operation And Maintenance Of Hydronic And Steam Energy Utilities (33 01)		
33 01 60 00-0001 Remove Steel Pipe Coatings (33 01 60)		
Note: Excludes sand blasting. See CSI section 09 91 43 00-0015 for sand blasting.		
33 01 60 00-0002 Replace Steel Pipe Spools (33 01 60)		
Note: Up to 30' long spool. Includes removing existing spool from trench, placing/aligning owner furnished spool and placement of owner furnished butt strap. Excludes welding butt strap. Excludes transportation of spool. See CSI section 05 12 23 00-0098 for welding.		
33 05 Common Work Results For Utilities (33)		
33 05 07 Trenchless Installation of Utility Piping (33 05)		
33 05 07 13 Utility Directional Drilling (33 05 07)		
33 05 07 13-0001 Horizontal Augering (33 05 07 13)		
Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.		
33 05 07 13-0002 LF Up To 2" Diameter Horizontal Hand Augering	7.92	
33 05 07 13-0003 LF 3" Diameter Horizontal Hand Augering	9.56	

33 Utilities

33 05 Common Work Results For Utilities

33 05 07 Trenchless Installation of Utility Piping



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	13.10	
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	16.93	
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	38.89	
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	56.74	
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	68.18	
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	81.44	
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	140.92	
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	185.59	
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	228.91	
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	261.53	
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	383.48	
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	413.20	
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	449.38	
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	471.12	
33 05 07 13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge	1,647.10	
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge	2,353.25	
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge	3,914.71	
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

33 05 07 13-0021 Horizontal Directional Boring (33 05 07 13)

Note: Excludes receiving pits or dewatering or cost of casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	5.33	
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	8.00	
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	11.11	
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	13.78	
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	16.44	
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	19.11	
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	22.22	
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	27.45	
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	29.74	
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	32.03	
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	66.35	
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	109.64	
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	133.71	
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	213.93	
33 05 07 13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge	1,422.07	
		Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge	1,647.10	
		Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge	2,353.25	
		Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

33 05 07 23 Utility Boring and Jacking (33 05 07)

33 05 07 23-0001 Horizontal Jacking (33 05 07 23)

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking	29.30	
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking	35.14	
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking	47.58	
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking	61.48	
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking	83.41	
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking	122.21	
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking	147.10	
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking	175.64	
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking	277.36	
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking	439.29	
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking	513.34	
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking	580.41	
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking	623.79	
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking	676.04	
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking	723.71	
33 05 07 23-0017	EA	Up To 6" Horizontal Jacking Minimum Set-up Charge	1,422.07	
		Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0018	EA	>6" To 20" Horizontal Jacking Minimum Set-up Charge	1,647.10	
		Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0019	EA	>20" To 36" Horizontal Jacking Minimum Set-up Charge	2,353.25	
		Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0020	EA	>36" Horizontal Jacking Minimum Set-up Charge	3,914.71	
		Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

33 05 07 24 Casing Piping for Utility Jacking (33 05 07)



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 07 24-0001		Casing Pipe <small>(33 05 07 24)</small> Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.		
33 05 07 24-0002		Steel Pipe <small>(33 05 07 24-0001)</small>		
33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine.....	8.00	
		Note: Includes pipe welding.		
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine.....	8.48	
		Note: Includes pipe welding.		
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine.....	9.16	
		Note: Includes pipe welding.		
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine.....	9.86	
		Note: Includes pipe welding.		
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine.....	12.44	
		Note: Includes pipe welding.		
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine.....	14.05	
		Note: Includes pipe welding.		
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine.....	15.66	
		Note: Includes pipe welding.		
33 05 07 24-0010		Polyethylene Pipe <small>(33 05 07 24-0001)</small>		
33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine.....	2.92	
		Note: Includes pipe welding.		
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine.....	3.20	
		Note: Includes pipe welding.		
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine.....	3.46	
		Note: Includes pipe welding.		
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	3.71	
		Note: Includes pipe welding.		
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine.....	3.96	
		Note: Includes pipe welding.		
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	4.25	
		Note: Includes pipe welding.		
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine.....	4.53	
		Note: Includes pipe welding.		
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine.....	5.52	
		Note: Includes pipe welding.		
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine.....	6.13	
		Note: Includes pipe welding.		
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine.....	6.75	
		Note: Includes pipe welding.		
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine.....	8.84	
		Note: Includes pipe welding.		
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine.....	12.11	
		Note: Includes pipe welding.		

33 05 61 Concrete Manholes (33 05 61)

33 05 61 00-0001		Manholes <small>(33 05 61)</small>		
33 05 61 00-0002		Cast In Place Concrete, 8" Thick <small>(33 05 61 00-0001)</small> Note: Includes base, wall, top and block-out for openings.		
33 05 61 00-0003		48" Diameter <small>(33 05 61 00-0002)</small>		
33 05 61 00-0004	EA	4' Diameter x 4' Deep Cast In Place Manhole 8" Thick.....	879.92	240.33
33 05 61 00-0005	EA	4' Diameter x 6' Deep Cast In Place Manhole 8" Thick.....	1,216.36	328.81
33 05 61 00-0006	EA	4' Diameter x 8' Deep Cast In Place Manhole 8" Thick.....	1,704.09	492.92
33 05 61 00-0007	VLF	4' Diameter x Vertical Linear Foot Depth Cast In Place Manhole 8" Thick, Over 8'.....	209.79	61.64
33 05 61 00-0008		Precast Concrete Manholes <small>(33 05 61 00-0001)</small> Note: Includes base, riser(s), reducer and openings. See CSI section 33 05 84 00-0002 for top slabs.		
33 05 61 00-0009		3' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 05 61 00-0008)</small>		
33 05 61 00-0010	EA	4' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	606.84	113.75
		For 6" Thick Wall, Deduct	-49.31	
33 05 61 00-0011	EA	6' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	850.16	155.56
		For 6" Thick Wall, Deduct	-69.46	
33 05 61 00-0012	EA	8' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,165.43	233.33
		For 6" Thick Wall, Deduct	-93.21	
33 05 61 00-0013	VLF	Vertical Linear Foot Depth Over 8', x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	143.18	31.11
		For 6" Thick Wall, Deduct	-11.40	
33 05 61 00-0014		3'-6" Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 05 61 00-0008)</small>		
33 05 61 00-0015	EA	4' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole.....	691.45	118.61
		For 6" Thick Wall, Deduct	-57.28	
33 05 61 00-0016	EA	6' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole.....	964.86	162.17
		For 6" Thick Wall, Deduct	-80.27	
33 05 61 00-0017	EA	8' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,312.92	243.06
		For 6" Thick Wall, Deduct	-106.99	
33 05 61 00-0018	VLF	Vertical Linear Foot Depth Over 8', x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole.....	160.62	31.11
		For 6" Thick Wall, Deduct	-13.03	

33 Utilities

33 05 Common Work Results For Utilities

33 05 61 Concrete Manholes



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0019 4' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 05 61 00-0008)</small>		
33 05 61 00-0020 EA 4' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	778.92	122.50
For 6" Thick Wall, Deduct	-65.56	
33 05 61 00-0021 EA 6' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,082.34	167.22
For 6" Thick Wall, Deduct	-91.38	
33 05 61 00-0022 EA 8' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,463.86	252.78
For 6" Thick Wall, Deduct	-121.11	
33 05 61 00-0023 VLF Vertical Linear Foot Depth Over 8', x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	178.55	32.08
For 6" Thick Wall, Deduct	-14.70	
33 05 61 00-0024 VLF Vertical Linear Foot Depth x 4' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone.....	222.66	32.08
For 6" Thick Wall, Deduct	-19.11	
33 05 61 00-0025 5' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 05 61 00-0008)</small>		
33 05 61 00-0026 EA 4' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	971.73	136.12
For 6" Thick Wall, Deduct	-83.52	
33 05 61 00-0027 EA 6' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,337.74	186.67
For 6" Thick Wall, Deduct	-115.13	
33 05 61 00-0028 EA 8' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,790.30	280.00
For 6" Thick Wall, Deduct	-151.07	
33 05 61 00-0029 VLF Vertical Linear Foot Depth Over 8', x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	216.93	35.00
For 6" Thick Wall, Deduct	-18.19	
33 05 61 00-0030 VLF Vertical Linear Foot Depth x 5' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone.....	264.60	35.00
For 6" Thick Wall, Deduct	-22.96	
33 05 61 00-0031 6' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 05 61 00-0008)</small>		
33 05 61 00-0032 EA 4' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,181.53	151.66
33 05 61 00-0033 EA 6' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,612.26	206.11
33 05 61 00-0034 EA 8' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	2,139.90	311.12
33 05 61 00-0035 VLF Vertical Linear Foot Depth Over 8', x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	257.45	38.89
33 05 61 00-0036 VLF Vertical Linear Foot Depth x 6' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone.....	301.56	38.89
33 05 61 00-0037 City Of Miami Manholes <small>(33 05 61 00-0001)</small>		
33 05 61 00-0038 EA Manhole, Type P-7, <10'.....	3,219.80	1,186.68
33 05 61 00-0039 EA Manhole, Type P-7, <10', Conflict Structure.....	3,219.80	1,186.68
33 05 61 00-0040 EA Manhole, Type J-7, <10'.....	4,199.77	1,547.86
33 05 61 00-0041 EA Manhole, Type J-7, <10', Special With Weir.....	18,654.05	6,875.06
33 05 61 00-0042 EA City Of Miami Type D Catch Basin.....	3,547.39	1,186.68
Note: Includes catch basin, cone, excavation, backfill, compaction, handwork, frame, grate, two courses of brick, and one piping connection.		
For Additional Piping Connection, Add	93.40	
For Hinged Frame And Cover, Add	151.81	
33 05 61 00-0043 EA City Of Miami Type D4 Catch Basin.....	4,592.03	1,186.68
Note: Includes 6' catch basin, cone, excavation, backfill, compaction, handwork, frame, grate, two courses of brick, and one piping connection.		
For Additional Piping Connection, Add	93.40	
For Hinged Frame And Cover, Add	151.81	
For Additional VLF, Add	366.60	
33 05 61 00-0044 EA City Of Miami Type D5 Catch Basin.....	5,859.10	1,186.68
Note: Includes 6' catch basin, cone, excavation, backfill, compaction, handwork, frame, grate, two courses of brick, and one piping connection.		
For Additional Piping Connection, Add	93.40	
For Hinged Frame And Cover, Add	151.81	
For Additional VLF, Add	513.24	
33 05 61 00-0045 EA City Of Miami Type D6 Catch Basin.....	7,047.37	1,186.68
Note: Includes 6' catch basin, cone, excavation, backfill, compaction, handwork, frame, grate, two courses of brick, and one piping connection.		
For Additional Piping Connection, Add	93.40	
For Hinged Frame And Cover, Add	151.81	
For Additional VLF, Add	687.38	
33 05 61 00-0046 EA City Of Miami Type D7 Catch Basin.....	8,319.57	1,186.68
Note: Includes 6' catch basin, cone, excavation, backfill, compaction, handwork, frame, grate, two courses of brick, and one piping connection.		
For Additional Piping Connection, Add	93.40	
For Hinged Frame And Cover, Add	151.81	
For Additional VLF, Add	1,099.80	
33 05 61 00-0047 EA City Of Miami Type D8 Catch Basin.....	9,659.25	1,186.68
Note: Includes 6' catch basin, cone, excavation, backfill, compaction, handwork, frame, grate, two courses of brick, and one piping connection.		
For Additional Piping Connection, Add	93.40	
For Hinged Frame And Cover, Add	151.81	
33 05 61 00-0048 EA City Of Miami Type F-3 Catch Basin Frame And Cover Top.....	1,415.91	593.06
Note: Includes handwork, frame, cover, and brickwork.		
For Additional VLF, Add	219.96	
33 05 61 00-0049 EA City Of Miami Type F-3 Catch Basin.....	3,795.83	1,186.68
Note: Includes excavation, backfill, compaction, handwork, 6' basin, frame, cover, brickwork, and one piping connection.		
For Additional VLF, Add	219.96	
33 05 61 00-0050 EA City Of Miami Type F-6 Catch Basin.....	5,995.43	1,186.68
Note: Includes excavation, backfill, compaction, handwork, 6' basin frame, cover, brickwork, and one piping connection.		
For Additional VLF, Add	384.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0051 EA City Of Miami "V" Type Catch Basin And Grate.....	510.66	57.56
33 05 61 00-0052 EA City Of Miami Type A Manhole	2,313.94	1,186.68
Note: Includes 4' depth manhole, cone, excavation, backfill, compaction, handwork, frame, cover, two courses of brick, and one piping connection. 7.5' total depth.		
For Additional Piping Connection, Add	93.40	
For Additional VLF, Add	178.54	
33 05 61 00-0053 EA City Of Miami Standard Shallow Manhole	1,167.44	1,186.68
Note: Includes manhole, excavation, backfill, compaction, handwork, frame, cover and one piping connection.		
For Additional Piping Connection, Add	46.70	
33 05 61 00-0054 EA City Of Miami Box Type Manhole	2,580.09	1,186.68
Note: Includes 4' depth manhole, excavation, backfill, compaction, handwork, frame, cover, two courses of brick, and one piping connection.		
For Additional Piping Connection, Add	93.40	
For Additional VLF, Add	178.54	

33 05 62 Brick Manholes (33 05)

33 05 62 00-0001	Brick Manholes (33 05 62)		
33 05 62 00-0002	Up To 4 Ft Inside Diameter x 8 In Wall (2 Brick) (33 05 62 00-0001)		
33 05 62 00-0003 EA	4' Inside Diameter x 4' Deep Brick Manhole, 8" Wall	1,453.53	342.92
33 05 62 00-0004 EA	4' Inside Diameter x 6' Deep Brick Manhole, 8" Wall	2,088.40	505.04
33 05 62 00-0005 EA	4' Inside Diameter x 8' Deep Brick Manhole, 8" Wall	2,725.89	685.86
33 05 62 00-0006 VLF	4' Inside Diameter x Vertical Linear Foot Depth Brick Manhole, 8" Wall, Over 8'.....	365.93	85.73

33 05 63 Concrete Vaults and Chambers (33 05)

33 05 63 00-0001	Underground Utility Vaults And Structures (33 05 63) See CSI section 33 05 61 00-0001 for manholes, 33 05 84 00-0095 for frames and covers.		
33 05 63 00-0002	Precast Concrete Underground Utility Vault (33 05 63 00-0001) Note: Sizes given are for inside dimensions.		
33 05 63 00-0003	6' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0004 EA	4' x 4' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	1,703.68	
33 05 63 00-0005 EA	4' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	2,220.73	
33 05 63 00-0006 EA	5' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,663.56	
33 05 63 00-0007 EA	5' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,230.29	
33 05 63 00-0008 EA	6' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	2,837.92	
33 05 63 00-0009 EA	6' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,454.70	
33 05 63 00-0010 EA	6' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,071.90	
33 05 63 00-0011 EA	6' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	5,883.05	
33 05 63 00-0012 EA	6' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	5,883.05	
33 05 63 00-0013 EA	6' x 16' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	7,407.73	
33 05 63 00-0014 EA	8' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,172.06	
33 05 63 00-0015 EA	8' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,889.01	
33 05 63 00-0016 EA	8' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	6,988.38	
33 05 63 00-0017 EA	8' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	7,865.32	
33 05 63 00-0018	7' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0019 EA	4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	1,875.47	
33 05 63 00-0020 EA	4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	2,435.27	
33 05 63 00-0021 EA	4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	2,995.06	
33 05 63 00-0022 EA	5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,985.18	
33 05 63 00-0023 EA	5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,595.05	
33 05 63 00-0024 EA	6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,095.21	
33 05 63 00-0025 EA	6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,755.17	
33 05 63 00-0026 EA	6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,415.10	
33 05 63 00-0027 EA	6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	6,397.65	
33 05 63 00-0028 EA	6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	8,036.72	

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,515.25	
33 05 63 00-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,274.96	
33 05 63 00-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	7,560.41	
33 05 63 00-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	8,493.92	
33 05 63 00-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	7,674.55	
33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	2,046.87	
33 05 63 00-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	2,649.82	
33 05 63 00-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,306.82	
33 05 63 00-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,959.43	
33 05 63 00-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,352.52	
33 05 63 00-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,055.21	
33 05 63 00-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,757.92	
33 05 63 00-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	6,912.25	
33 05 63 00-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	8,665.74	
33 05 63 00-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,858.06	
33 05 63 00-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,660.90	
33 05 63 00-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	8,132.00	
33 05 63 00-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	9,122.93	
33 05 63 00-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	8,246.40	
33 05 63 00-0049 10' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,609.82	
33 05 63 00-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,355.26	
33 05 63 00-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	8,817.98	
33 05 63 00-0053 12' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,867.13	
33 05 63 00-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,655.72	
33 05 63 00-0056 Meter Pit (33 05 63 00-0001)		
33 05 63 00-0057 Precast Concrete Meter Pit (33 05 63 00-0056)		
33 05 63 00-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	1,148.30	
33 05 63 00-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	1,552.71	
33 05 63 00-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	1,943.21	
33 05 63 00-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	2,404.00	
33 05 63 00-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	3,310.22	
33 05 63 00-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	1,737.21	
33 05 63 00-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	2,404.00	
33 05 63 00-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	3,091.37	
33 05 63 00-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	3,856.84	
33 05 63 00-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	5,459.03	
33 05 63 00-0068 Handhole Or Pull Box Enclosures (33 05 63 00-0001)		
33 05 63 00-0069 Polymer Concrete Handhole Enclosures (33 05 63 00-0068)		
33 05 63 00-0070 Polymer Concrete Handhole Enclosures (33 05 63 00-0069)		
33 05 63 00-0071 Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)		
33 05 63 00-0072 Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		
33 05 63 00-0073 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	184.48	7.03
33 05 63 00-0074 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	142.49	15.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0075 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	218.29	23.42
33 05 63 00-0076 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	260.42	23.42
33 05 63 00-0077 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	246.50	23.42
33 05 63 00-0078 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	307.27	23.42
33 05 63 00-0079 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	298.10	23.42
33 05 63 00-0080 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	421.15	23.42
33 05 63 00-0081 EA 27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	601.75	31.22
33 05 63 00-0082 EA 27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	866.56	31.22
33 05 63 00-0083 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	520.65	42.93
33 05 63 00-0084 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	603.58	42.93
33 05 63 00-0085 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,034.99	42.93
33 05 63 00-0086 EA 39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	554.25	46.83
33 05 63 00-0087 EA 39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	825.89	46.83
33 05 63 00-0088 EA 39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,048.04	46.83
33 05 63 00-0089 EA 39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,573.45	46.83
33 05 63 00-0090 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	820.95	88.82
33 05 63 00-0091 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,229.80	88.82
33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0071)</small>		
33 05 63 00-0093 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	239.52	7.03
33 05 63 00-0094 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	283.85	23.42
33 05 63 00-0095 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	351.67	23.42
33 05 63 00-0096 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	321.31	23.42
33 05 63 00-0097 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	373.25	23.42
33 05 63 00-0098 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	386.87	23.42
33 05 63 00-0099 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	510.69	23.42
33 05 63 00-0100 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	660.06	42.93
33 05 63 00-0101 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	742.99	42.93
33 05 63 00-0102 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,174.42	42.93
33 05 63 00-0103 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	983.87	88.82
33 05 63 00-0104 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,395.82	88.82
33 05 63 00-0105 Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0070)</small>		
33 05 63 00-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0107 EA 5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	310.36	7.03
33 05 63 00-0108 EA 10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	260.54	7.03
33 05 63 00-0109 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	181.52	23.42
33 05 63 00-0110 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	210.92	23.42
33 05 63 00-0111 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	63.74	7.03
33 05 63 00-0112 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	105.40	7.03
33 05 63 00-0113 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	177.71	7.03
33 05 63 00-0114 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	186.46	7.03
33 05 63 00-0115 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	139.44	15.61
33 05 63 00-0116 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	152.86	15.61
33 05 63 00-0117 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	103.61	7.03
33 05 63 00-0118 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	120.01	7.03
33 05 63 00-0119 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	151.47	15.61

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	174.04	15.61
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	159.43	15.61
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	182.89	23.42
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	205.02	23.42
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	221.48	23.42
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	246.28	23.42
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	295.72	23.42
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	325.71	23.42
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	358.52	23.42
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	379.16	23.42
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	446.19	31.22
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	430.81	42.93
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	574.54	42.93
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	707.25	42.93
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	791.06	42.93
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	874.43	42.93
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	980.46	88.82
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	686.65	88.82
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	793.10	88.82
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	996.64	88.82
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	994.55	88.82
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,070.53	88.82
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,216.65	88.82
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,103.92	95.16
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,207.09	95.16
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,338.80	95.16
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,391.50	95.16
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,409.82	95.16
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,610.51	95.16
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,220.76	95.16
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,643.64	95.16
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,856.35	101.51
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,316.45	101.51
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,002.14	101.51

33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures

(33 05 63 00-0105)

33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	257.84	23.42
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	301.45	23.42
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	116.01	7.03
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	172.95	7.03
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	235.89	7.03
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	244.65	7.03
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	196.75	15.61
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	206.09	15.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0163 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	218.58	15.61
33 05 63 00-0164 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	160.60	7.03
33 05 63 00-0165 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	191.95	7.03
33 05 63 00-0166 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	218.28	15.61
33 05 63 00-0167 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	240.85	15.61
33 05 63 00-0168 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	226.95	15.61
33 05 63 00-0169 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	257.42	23.42
33 05 63 00-0170 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	279.83	23.42
33 05 63 00-0171 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	310.43	23.42
33 05 63 00-0172 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	335.06	23.42
33 05 63 00-0173 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	384.36	23.42
33 05 63 00-0174 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	414.48	23.42
33 05 63 00-0175 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	447.15	23.42
33 05 63 00-0176 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	467.93	23.42
33 05 63 00-0177 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	568.82	31.22
33 05 63 00-0178 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	570.23	42.93
33 05 63 00-0179 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	713.79	42.93
33 05 63 00-0180 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	846.36	42.93
33 05 63 00-0181 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	930.04	42.93
33 05 63 00-0182 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,013.68	42.93
33 05 63 00-0183 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	848.02	88.82
33 05 63 00-0184 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	954.63	88.82
33 05 63 00-0185 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,158.02	88.82
33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0186)</small>		
33 05 63 00-0187 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	233.47	23.42
33 05 63 00-0188 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	278.29	23.42
33 05 63 00-0189 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	82.69	7.03
33 05 63 00-0190 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	143.69	7.03
33 05 63 00-0191 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	211.54	7.03
33 05 63 00-0192 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	220.47	7.03
33 05 63 00-0193 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	180.72	15.61
33 05 63 00-0194 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	206.70	15.61
33 05 63 00-0195 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	124.27	7.03
33 05 63 00-0196 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	193.49	15.61
33 05 63 00-0197 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	225.84	15.61
33 05 63 00-0198 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	201.89	15.61
33 05 63 00-0199 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	253.99	23.42
33 05 63 00-0200 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	298.23	23.42
33 05 63 00-0201 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	312.94	23.42
33 05 63 00-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	347.97	23.42
33 05 63 00-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	380.20	23.42
33 05 63 00-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	410.62	23.42
33 05 63 00-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	465.10	23.42
33 05 63 00-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	472.69	23.42
33 05 63 00-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	578.32	31.22
33 05 63 00-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	582.55	42.93

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	741.10	42.93
33 05 63 00-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	897.89	42.93
33 05 63 00-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,002.03	42.93
33 05 63 00-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,106.17	42.93
33 05 63 00-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,174.49	88.82
33 05 63 00-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	880.70	88.82
33 05 63 00-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	995.45	88.82
33 05 63 00-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,198.85	88.82
33 05 63 00-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,288.57	88.82
33 05 63 00-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,316.66	88.82
33 05 63 00-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,589.22	88.82
33 05 63 00-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,460.59	95.16
33 05 63 00-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,513.90	95.16
33 05 63 00-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,665.11	95.16
33 05 63 00-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,779.56	95.16
33 05 63 00-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,626.58	95.16
33 05 63 00-0225 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,035.89	95.16
33 05 63 00-0226 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,754.02	95.16
33 05 63 00-0227 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,937.67	95.16
33 05 63 00-0228 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,361.51	101.51
33 05 63 00-0229 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,821.79	101.51
33 05 63 00-0230 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,843.24	101.51
33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0232 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	309.78	23.42
33 05 63 00-0233 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	369.00	23.42
33 05 63 00-0234 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	134.54	7.03
33 05 63 00-0235 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	211.11	7.03
33 05 63 00-0236 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	269.60	7.03
33 05 63 00-0237 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	278.64	7.03
33 05 63 00-0238 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	247.53	15.61
33 05 63 00-0239 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	273.35	15.61
33 05 63 00-0240 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	198.36	7.03
33 05 63 00-0241 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	259.99	15.61
33 05 63 00-0242 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	292.35	15.61
33 05 63 00-0243 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	250.35	15.61
33 05 63 00-0244 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	328.82	23.42
33 05 63 00-0245 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	373.07	23.42
33 05 63 00-0246 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	401.71	23.42
33 05 63 00-0247 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	436.76	23.42
33 05 63 00-0248 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	468.97	23.42
33 05 63 00-0249 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	499.41	23.42
33 05 63 00-0250 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	553.90	23.42
33 05 63 00-0251 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	561.47	23.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0252 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	700.80	31.22
33 05 63 00-0253 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	721.96	42.93
33 05 63 00-0254 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	880.36	42.93
33 05 63 00-0255 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,036.98	42.93
33 05 63 00-0256 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,141.20	42.93
33 05 63 00-0257 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,245.43	42.93
33 05 63 00-0258 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,042.21	88.82
33 05 63 00-0259 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,157.12	88.82
33 05 63 00-0260 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,360.38	88.82
33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0262 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	252.08	23.42
33 05 63 00-0263 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	170.61	15.61
33 05 63 00-0264 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	195.56	15.61
33 05 63 00-0265 EA 13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	219.69	23.42
33 05 63 00-0266 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	178.79	15.61
33 05 63 00-0267 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	202.68	15.61
33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions <small>(33 05 63 00-0069)</small>		
33 05 63 00-0269 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	173.24	23.42
33 05 63 00-0270 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	199.24	23.42
33 05 63 00-0271 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	221.14	31.22
33 05 63 00-0272 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	246.67	31.22
33 05 63 00-0273 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	281.94	42.93
33 05 63 00-0274 EA 36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	535.21	88.82
33 05 63 00-0275 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	507.30	88.82
33 05 63 00-0276 EA 30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	513.39	88.82
33 05 63 00-0277 EA 36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	718.30	95.16
33 05 63 00-0278 EA 48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,191.89	101.51
33 05 63 00-0279 EA 48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,597.33	101.51
33 05 63 00-0280 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	309.68	23.42
33 05 63 00-0281 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	325.56	23.42
33 05 63 00-0282 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	337.52	31.22
33 05 63 00-0283 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	363.33	31.22
33 05 63 00-0284 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	409.59	42.93
33 05 63 00-0285 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	687.69	88.82
33 05 63 00-0286 EA 13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	232.02	23.42
33 05 63 00-0287 EA 17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	263.36	23.42
33 05 63 00-0288 EA 24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	326.89	42.93
33 05 63 00-0289 EA 36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	688.42	95.16
33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0069)</small>		
33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0290)</small>		
33 05 63 00-0292 EA 5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	70.79	3.13
33 05 63 00-0293 EA 10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	71.79	3.13
33 05 63 00-0294 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	66.06	3.13
33 05 63 00-0295 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	71.98	3.13
33 05 63 00-0296 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	72.76	3.12
33 05 63 00-0297 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	84.42	3.12
33 05 63 00-0298 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	98.84	3.12
33 05 63 00-0299 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	675.44	11.42
33 05 63 00-0300 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	589.44	11.42
33 05 63 00-0301 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	888.98	11.42


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 05 63 00-0302	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	899.19	11.42
33 05 63 00-0303	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,020.38	11.42
33 05 63 00-0304	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,112.96	11.42
33 05 63 00-0305	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,796.45	11.42
33 05 63 00-0306	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	59.72	3.12
33 05 63 00-0307	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	88.34	3.12
33 05 63 00-0308	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	89.67	3.12
33 05 63 00-0309	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	114.47	3.12
33 05 63 00-0310	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	84.78	3.12
33 05 63 00-0311	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	136.59	3.12
33 05 63 00-0312	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	105.87	3.12
33 05 63 00-0313	EA	27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	224.01	3.12
33 05 63 00-0314	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	192.28	4.68
33 05 63 00-0315	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	243.41	4.68
33 05 63 00-0316	EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	314.91	5.47
33 05 63 00-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	446.37	8.88
33 05 63 00-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	462.74	16.92
33 05 63 00-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	115.96	3.12
33 05 63 00-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	168.07	3.12
33 05 63 00-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	192.12	3.12
33 05 63 00-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	323.72	3.12
33 05 63 00-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	262.57	4.68
33 05 63 00-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	448.80	5.47
33 05 63 00-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	591.41	8.88
33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	798.73	11.42
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	708.63	11.42
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	995.14	11.42
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,299.86	11.42
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,244.28	11.42
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,895.69	11.42
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,935.40	11.42
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	154.57	3.12
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	169.62	3.12
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	225.38	3.12
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	257.74	3.12
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	450.17	3.12
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	322.16	4.68
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	443.99	4.68
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	692.08	5.47
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	793.32	8.88
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	824.24	16.92
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	953.85	11.42
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,336.93	11.42
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,875.75	11.42
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,672.40	11.42
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,780.30	11.42
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,298.68	11.42

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)

33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	82.25	3.13
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	87.29	3.13
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	88.94	3.12
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	89.56	3.12
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	104.34	3.12
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	64.36	3.12
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	93.10	3.12
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	94.02	3.12
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	119.38	3.12
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	90.13	3.12
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	111.51	3.12
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	141.79	3.12
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	195.76	4.68
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	248.77	4.68
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	468.24	16.92
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	52.53	3.13
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	85.71	3.13
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	96.05	3.13
33 05 63 00-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	91.46	3.13
33 05 63 00-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	74.24	3.12
33 05 63 00-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	120.71	3.12
33 05 63 00-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	131.45	3.12
33 05 63 00-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	173.12	3.12
33 05 63 00-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	267.61	3.12
33 05 63 00-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	267.48	4.68
33 05 63 00-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	336.35	4.68
33 05 63 00-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	620.41	16.92

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)

33 05 63 00-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	41.12	3.13
33 05 63 00-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	50.05	3.13
33 05 63 00-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	62.06	3.13



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various concrete handhole enclosure covers with dimensions and design loads.

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0438 EA 6" Diameter Precast Concrete Handholes With Steel Cover..... Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	285.02 15.00	95.85
33 05 63 00-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover..... Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	337.68 15.00	107.83
33 05 63 00-0440 EA 12" Diameter Precast Concrete Handholes With Steel Cover..... Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	419.02 15.00	119.81

33 05 84 Accessories for Utility Structures (33 05)

See CSI section 22 13 19 26-0043 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001 Manhole Accessories (33 05 84)		
33 05 84 00-0002 Precast Concrete Manhole Tops (33 05 84 00-0001)		
33 05 84 00-0003 Precast Concrete Manhole Slab Tops (33 05 84 00-0002)		
33 05 84 00-0004 EA 3' Diameter x 8" Thick Precast Manhole Top Slab.....	236.46	29.17
33 05 84 00-0005 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Slab.....	284.74	30.34
33 05 84 00-0006 EA 4' Diameter x 8" Thick Precast Manhole Top Slab.....	339.25	31.50
33 05 84 00-0007 EA 5' Diameter x 8" Thick Precast Manhole Top Slab.....	467.47	33.83
33 05 84 00-0008 EA 6' Diameter x 8" Thick Precast Manhole Top Slab.....	563.69	36.16
33 05 84 00-0009 Precast Concrete Manhole Cone Tops (33 05 84 00-0002)		
33 05 84 00-0010 EA 3' Diameter x 8" Thick Precast Manhole Top Cone.....	385.41	36.45
33 05 84 00-0011 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone.....	431.16	37.92
33 05 84 00-0012 EA 4' Diameter x 8" Thick Precast Manhole Top Cone.....	476.94	39.38
33 05 84 00-0013 EA 5' Diameter x 8" Thick Precast Manhole Top Cone.....	566.50	41.81
33 05 84 00-0014 EA 6' Diameter x 8" Thick Precast Manhole Top Cone.....	658.04	44.72
33 05 84 00-0015 Pipe To Manhole Connector (33 05 84 00-0001)		
33 05 84 00-0016 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors (33 05 84 00-0015)		
33 05 84 00-0017 EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	39.86	
33 05 84 00-0018 EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	61.08	
33 05 84 00-0019 EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	68.74	
33 05 84 00-0020 EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	107.72	
33 05 84 00-0021 EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	152.07	
33 05 84 00-0022 EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	199.87	
33 05 84 00-0023 EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	368.78	
33 05 84 00-0024 EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	514.26	
33 05 84 00-0025 EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	821.61	
33 05 84 00-0026 EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	964.23	
33 05 84 00-0027 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout (33 05 84 00-0015)		
Note: Fernco CMA.		
33 05 84 00-0028 EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	45.06	
33 05 84 00-0029 EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	63.67	
33 05 84 00-0030 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	80.80	
33 05 84 00-0031 EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	97.80	
33 05 84 00-0032 EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	113.22	
33 05 84 00-0033 Brick And Grout Pipe To Manhole Connector (33 05 84 00-0015)		
33 05 84 00-0034 EA Seal Gap Between Pipe And Structure With Brick And Grout.....	93.41	
33 05 84 00-0035 Inverts For Manholes (33 05 84 00-0001)		
33 05 84 00-0036 EA Single Channel Concrete Invert For Manholes.....	161.69	
33 05 84 00-0037 EA Double Channel Concrete Invert For Manholes.....	229.18	
33 05 84 00-0038 EA Triple Channel Concrete Invert For Manholes.....	310.06	
33 05 84 00-0039 EA Quad Channel Concrete Invert For Manholes.....	390.92	
33 05 84 00-0040 EA Single Channel Brick Invert For Manholes.....	268.60	
33 05 84 00-0041 EA Double Channel Brick Invert For Manholes.....	401.45	
33 05 84 00-0042 EA Triple Channel Brick Invert For Manholes.....	536.40	
33 05 84 00-0043 EA Quad Channel Brick Invert For Manholes.....	670.65	
33 05 84 00-0044 Steps For Cast-In-Place Manholes (33 05 84 00-0001)		
See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.		
33 05 84 00-0045 EA Cast Iron Manhole Step For New Manholes.....	43.94	
33 05 84 00-0046 EA Galvanized Steel Manhole Step For New Manholes.....	30.93	
33 05 84 00-0047 EA Aluminum Manhole Step For New Manholes.....	27.66	
33 05 84 00-0048 EA Polypropylene Manhole Step For New Manholes.....	22.09	
33 05 84 00-0049 Protective Coating For New Manholes (33 05 84 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0050 Polyurethane Protective Coating For New Manholes (33 05 84 00-0049)		
33 05 84 00-0051 VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	88.48	
For 80 Mil Material, Add	15.33	
For 100 Mil Material, Add	30.66	
For 125 Mil Material, Add	48.79	
For 150 Mil Material, Add	66.92	
For 200 Mil Material, Add	100.45	
For 2 To 5 Manholes, Deduct	-5.79	
For 6 To 10 Manholes, Deduct	-9.38	
For >10 Manholes, Deduct	-18.76	
33 05 84 00-0052 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	106.31	
For 80 Mil Material, Add	18.13	
For 100 Mil Material, Add	36.25	
For 125 Mil Material, Add	57.65	
For 150 Mil Material, Add	79.05	
For 200 Mil Material, Add	118.50	
For 2 To 5 Manholes, Deduct	-6.99	
For 6 To 10 Manholes, Deduct	-11.32	
For >10 Manholes, Deduct	-22.65	
33 05 84 00-0053 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	117.98	
For 80 Mil Material, Add	20.44	
For 100 Mil Material, Add	40.88	
For 125 Mil Material, Add	65.06	
For 150 Mil Material, Add	89.24	
For 200 Mil Material, Add	133.94	
For 2 To 5 Manholes, Deduct	-7.73	
For 6 To 10 Manholes, Deduct	-12.50	
For >10 Manholes, Deduct	-25.01	
33 05 84 00-0054 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	147.50	
For 80 Mil Material, Add	25.56	
For 100 Mil Material, Add	51.12	
For 125 Mil Material, Add	81.36	
For 150 Mil Material, Add	111.59	
For 200 Mil Material, Add	167.50	
For 2 To 5 Manholes, Deduct	-9.66	
For 6 To 10 Manholes, Deduct	-15.63	
For >10 Manholes, Deduct	-31.26	
33 05 84 00-0055 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	172.13	
For 80 Mil Material, Add	30.31	
For 100 Mil Material, Add	60.61	
For 125 Mil Material, Add	96.53	
For 150 Mil Material, Add	132.45	
For 200 Mil Material, Add	199.04	
For 2 To 5 Manholes, Deduct	-11.23	
For 6 To 10 Manholes, Deduct	-18.15	
For >10 Manholes, Deduct	-36.30	
33 05 84 00-0056 Polyvinyl Chloride (PVC) Liner (33 05 84 00-0049)		
Note: For new manholes and shop applied.		
33 05 84 00-0057 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	158.23	
33 05 84 00-0058 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	193.96	
33 05 84 00-0059 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	236.68	
33 05 84 00-0060 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	297.23	
33 05 84 00-0061 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	357.78	
33 05 84 00-0062 SF Polyvinyl Chloride (PVC) Liner At Structures	22.92	
33 05 84 00-0063 Concrete Grade Extensions/Grade Rings (33 05 84 00-0001)		
33 05 84 00-0064 18" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0063)		
33 05 84 00-0065 EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	44.96	
33 05 84 00-0066 EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	50.45	
33 05 84 00-0067 EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	55.95	
33 05 84 00-0068 EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	61.44	
33 05 84 00-0069 24" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0063)		
33 05 84 00-0070 EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	50.65	
33 05 84 00-0071 EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	56.89	
33 05 84 00-0072 EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	63.13	
33 05 84 00-0073 EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	69.37	
33 05 84 00-0074 30" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0063)		
33 05 84 00-0075 EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	56.19	
33 05 84 00-0076 EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	63.15	
33 05 84 00-0077 EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	70.10	
33 05 84 00-0078 EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	77.06	
33 05 84 00-0079 Bentonite Collar (33 05 84 00-0001)		
33 05 84 00-0080 Bentonite Collar At Manhole Connections (33 05 84 00-0079)		
33 05 84 00-0081 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection	66.31	
33 05 84 00-0082 EA >12" To 21", Bentonite Collar At Manhole Connection	104.87	
33 05 84 00-0083 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection	164.19	

33 Utilities**33 05 Common Work Results For Utilities****33 05 84 Accessories for Utility Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0084	EA		>30" To 36" Pipe, Bentonite Collar At Manhole Connection	381.51	
33 05 84 00-0085	EA		>36" To 48" Pipe, Bentonite Collar At Manhole Connection	609.26	
33 05 84 00-0086	EA		>48" To 60" Pipe, Bentonite Collar At Manhole Connection	1,110.65	
33 05 84 00-0087			City Of Miami Standard Baffles (33 05 84 00-0001)		
			Note: Landmark Precast (305-242-8888)		
33 05 84 00-0088	EA		City Of Miami 21" x 10" x 48" Baffle For 15" Pipe Per Detail 35-86-39	448.66	26.98
33 05 84 00-0089	EA		City Of Miami 24" x 12" x 48" Baffle For 18" Pipe Per Detail 35-86-39	524.23	28.32
33 05 84 00-0090	EA		City Of Miami 30" x 16" x 48" Baffle For 24" Pipe Per Detail 35-86-39	575.51	29.67
33 05 84 00-0091	EA		City Of Miami 36" x 20" x 48" Baffle For 30" Pipe Per Detail 35-86-39	651.07	31.02
33 05 84 00-0092	EA		City Of Miami 42" x 24" x 60" Baffle For 36" Pipe Per Detail 35-86-39	744.86	32.37
33 05 84 00-0093	EA		City Of Miami 48" x 24" x 60" Baffle For 42" Pipe Per Detail 35-86-39	893.30	33.72
33 05 84 00-0094	EA		City Of Miami 54" x 27" x 72" Baffle For 48" Pipe Per Detail 35-86-39	1,072.09	35.07
33 05 84 00-0095			Manhole Covers And Frames (33 05 84)		
			Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 05 84 00-0096			Regular Manhole Covers And Frames, City Type (33 05 84 00-0095)		
33 05 84 00-0097	EA		18" Square, Gray Iron, Manhole Cover With Frame	574.26	33.44
			For Ductile Iron Castings, Add	331.21	
			For Heavy Duty, Add	206.05	
33 05 84 00-0098	EA		18" Diameter, Gray Iron, Manhole Cover With Frame.....	330.78	33.44
			For Ductile Iron Castings, Add	160.77	
			For Heavy Duty, Add	120.83	
33 05 84 00-0099	EA		24" Diameter, Gray Iron, Manhole Cover With Frame.....	382.22	38.89
			For Ductile Iron Castings, Add	185.88	
			For Heavy Duty, Add	139.61	
33 05 84 00-0100	EA		24" Square, Gray Iron, Manhole Cover With Frame	591.01	43.16
			For Ductile Iron Castings, Add	322.97	
			For Heavy Duty, Add	213.34	
33 05 84 00-0101	EA		26" Diameter, Gray Iron, Manhole Cover With Frame.....	506.58	46.67
			For Ductile Iron Castings, Add	256.21	
			For Heavy Duty, Add	184.33	
33 05 84 00-0102	EA		30" Diameter, Gray Iron, Manhole Cover With Frame.....	528.35	48.61
			For Ductile Iron Castings, Add	267.76	
			For Heavy Duty, Add	192.21	
33 05 84 00-0103			Watertight Type Manhole Covers And Frames (33 05 84 00-0095)		
33 05 84 00-0104	EA		20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	651.49	27.61
			For Ductile Iron Castings, Add	379.11	
33 05 84 00-0105	EA		22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	662.31	27.61
			For Ductile Iron Castings, Add	380.35	
33 05 84 00-0106	EA		24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	676.56	32.28
			For Ductile Iron Castings, Add	382.85	
33 05 84 00-0107	EA		26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	803.80	36.16
			For Ductile Iron Castings, Add	464.27	
33 05 84 00-0108	EA		30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	928.80	36.94
			For Ductile Iron Castings, Add	548.08	
33 05 84 00-0109	EA		32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	976.79	37.73
			For Ductile Iron Castings, Add	580.34	
33 05 84 00-0110	EA		36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,019.83	38.89
			For Ductile Iron Castings, Add	609.08	
33 05 84 00-0111			Aluminum Manhole Covers And Frames (33 05 84 00-0095)		
33 05 84 00-0112	EA		12" Square Aluminum Manhole Cover With Frame	353.80	13.82
33 05 84 00-0113	EA		18" Square Aluminum Manhole Cover With Frame	636.03	15.30
33 05 84 00-0114	EA		24" Square Aluminum Manhole Cover With Frame	907.10	17.76
33 05 84 00-0115			Remove And Reinstall Manhole Cover And Frame (33 05 84 00-0095)		
			Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 84 00-0116	EA		Removal And Reinstallation Of Manhole Cover And Frame	155.92	
33 05 84 00-0117	EA		Remove, Install A Single Course Of Brick And Reinstall Manhole Cover And Frame	362.56	
			For Additional Courses Of Brick, Add	36.26	
33 05 84 00-0118			Rainguard Inflow Protectors (33 05 84 00-0095)		
33 05 84 00-0119	EA		18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	53.58	6.82
33 05 84 00-0120	EA		22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	66.46	6.82
33 05 84 00-0121	EA		24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	79.34	8.19
33 05 84 00-0122	EA		26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	87.48	8.19
33 05 84 00-0123	EA		30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	111.07	9.56
33 05 84 00-0124	EA		32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	121.06	9.56
33 05 84 00-0125			Waste Water Collection System Taps (33 05 84)		
			Note: For tapping existing structures only. Includes grout.		
33 05 84 00-0126			Brick Manhole Taps (33 05 84 00-0125)		
33 05 84 00-0127	EA		4" Tap In 6" Brick Manhole.....	219.54	
33 05 84 00-0128	EA		6" Tap In 6" Brick Manhole.....	243.57	
33 05 84 00-0129	EA		8" Tap In 6" Brick Manhole.....	267.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 84 00-0130	EA		10" Tap In 6" Brick Manhole	290.72	
33 05 84 00-0131	EA		12" Tap In 6" Brick Manhole	323.72	
33 05 84 00-0132	EA		15" Tap In 6" Brick Manhole	347.23	

33 05 84 00-0133 Precast Concrete Manhole Tap (33 05 84 00-0125)

33 05 84 00-0134	EA		4" Tap In Existing Precast Concrete Manhole	308.01	
33 05 84 00-0135	EA		6" Tap In Existing Precast Concrete Manhole	344.06	
33 05 84 00-0136	EA		8" Tap In Existing Precast Concrete Manhole	386.31	
33 05 84 00-0137	EA		10" Tap In Existing Precast Concrete Manhole	421.64	
33 05 84 00-0138	EA		12" Tap In Existing Precast Concrete Manhole	456.89	
33 05 84 00-0139	EA		15" Tap In Existing Precast Concrete Manhole	493.01	
33 05 84 00-0140	EA		18" Tap In Existing Precast Concrete Manhole	573.38	
33 05 84 00-0141	EA		24" Tap In Existing Precast Concrete Manhole	740.99	

33 05 97 Identification and Signage for Utilities (33 05)

33 05 97 16 Markers for Utility Identification (33 05 97)

33 05 97 16-0001 Reflective Sheeting Delineators (33 05 97 16)

33 05 97 16-0002	EA		Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square.....	17.26	
33 05 97 16-0003	EA		Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square.....	19.44	
33 05 97 16-0004	EA		Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square.....	23.79	
33 05 97 16-0005	EA		Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square.....	25.97	
33 05 97 16-0006	EA		Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square.....	28.15	
33 05 97 16-0007	EA		Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square.....	22.16	
33 05 97 16-0008	EA		Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	17.81	
33 05 97 16-0009	EA		Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	19.98	
33 05 97 16-0010	EA		Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	19.98	
33 05 97 16-0011	EA		Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	22.16	
33 05 97 16-0012	EA		Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	24.34	
33 05 97 16-0013	EA		Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	26.51	
33 05 97 16-0014	EA		Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	46.10	
33 05 97 16-0015	EA		Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	25.97	
33 05 97 16-0016	EA		Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	48.82	
33 05 97 16-0017	EA		Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	46.10	
33 05 97 16-0018	EA		Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	48.28	
33 05 97 16-0019	EA		Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	48.82	
33 05 97 16-0020	EA		Relocate Delineator	18.11	

33 05 97 16-0021 Reference Markers (33 05 97 16)

33 05 97 16-0022	EA		Reference Marker, 4' Mounting Height	27.02	
33 05 97 16-0023	EA		Reference Marker, 7' Mounting Height	33.44	
33 05 97 16-0024	EA		Reference Marker, Band Or Bracket Mounted.....	31.57	
33 05 97 16-0025	EA		Reference Marker, Furnish Panel Only.....	27.55	
33 05 97 16-0026	EA		Relocate Reference Marker.....	18.11	

33 05 97 23 Utility Identification Warning Tape (33 05 97)

33 05 97 23-0001 Non-Detectable Utility Warning Tape (33 05 97 23)

Note: Labor installation is included with pipe and excavation..					
33 05 97 23-0002	LF		3" Non-Detectable Utility Warning Tape	0.02	
33 05 97 23-0003	LF		6" Non-Detectable Utility Warning Tape	0.03	

33 05 97 23-0004 Detectable Utility Warning Tape (33 05 97 23)

Note: Labor installation is included with pipe and excavation..					
33 05 97 23-0005	LF		2" Detectable Utility Warning Tape	0.02	
33 05 97 23-0006	LF		3" Detectable Utility Warning Tape	0.04	
33 05 97 23-0007	LF		6" Detectable Utility Warning Tape	0.07	

33 05 97 23-0008 Utility Tracer Wire (33 05 97 23)

33 05 97 23-0009	MLF		#12 Base Tracer Wire.....	208.17	
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33 10 Water Utilities (33)

33 11 Groundwater Sources (33 10)

33 11 13 Potable Water Supply Wells (33 11)

33 11 13 00-0001			Drill And Test Water Well (33 11 13)		
33 11 13 00-0002			Drill Hole (33 11 13 00-0001)		
Note: Excludes loading and hauling of spoils.					

33 Utilities
33 10 Water Utilities
33 11 Groundwater Sources



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0003			Mobilization And Demobilization (33 11 13 00-0002)		
33 11 13 00-0004	EA		Up To 12" Diameter, Well Drilling Mobilization And Demobilization.....	460.17	
33 11 13 00-0005	EA		>12" To 24" Diameter, Well Drilling Mobilization And Demobilization.....	546.26	
33 11 13 00-0006	EA		>24" To 36" Diameter, Well Drilling Mobilization And Demobilization.....	819.38	
33 11 13 00-0007			Drill Hole In Normal Soil, Sand, Gravel, O.B. (33 11 13 00-0002)		
			Note: Excludes well casing, gravel or materials.		
33 11 13 00-0008	LF		6" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	10.59	
			For >100 To 250, Add	0.26	
			For >250 To 400, Add	0.53	
			For >400 To 600, Add	0.79	
			For >600 To 750, Add	1.06	
			For >750, Add	1.32	
33 11 13 00-0009	LF		8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	12.57	
			For >100 To 250, Add	0.31	
			For >250 To 400, Add	0.63	
			For >400 To 600, Add	0.94	
			For >600 To 750, Add	1.26	
			For >750, Add	1.57	
33 11 13 00-0010	LF		10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	16.79	
			For >100 To 250, Add	0.42	
			For >250 To 400, Add	0.84	
			For >400 To 600, Add	1.26	
			For >600 To 750, Add	1.68	
			For >750, Add	2.10	
33 11 13 00-0011	LF		12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	26.29	
			For >100 To 250, Add	0.66	
			For >250 To 400, Add	1.31	
			For >400 To 600, Add	1.97	
			For >600 To 750, Add	2.63	
			For >750, Add	3.29	
33 11 13 00-0012	LF		14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	37.83	
			For >100 To 250, Add	0.95	
			For >250 To 400, Add	1.89	
			For >400 To 600, Add	2.84	
			For >600 To 750, Add	3.78	
			For >750, Add	4.73	
33 11 13 00-0013	LF		16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	49.43	
			For >100 To 250, Add	1.24	
			For >250 To 400, Add	2.47	
			For >400 To 600, Add	3.71	
			For >600 To 750, Add	4.94	
			For >750, Add	6.18	
33 11 13 00-0014	LF		18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	58.72	
			For >100 To 250, Add	1.47	
			For >250 To 400, Add	2.94	
			For >400 To 600, Add	4.40	
			For >600 To 750, Add	5.87	
			For >750, Add	7.34	
33 11 13 00-0015	LF		20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	68.28	
			For >100 To 250, Add	1.71	
			For >250 To 400, Add	3.41	
			For >400 To 600, Add	5.12	
			For >600 To 750, Add	6.83	
			For >750, Add	8.54	
33 11 13 00-0016	LF		22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	80.23	
			For >100 To 250, Add	2.01	
			For >250 To 400, Add	4.01	
			For >400 To 600, Add	6.02	
			For >600 To 750, Add	8.02	
			For >750, Add	10.03	
33 11 13 00-0017	LF		24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	94.57	
			For >100 To 250, Add	2.36	
			For >250 To 400, Add	4.73	
			For >400 To 600, Add	7.09	
			For >600 To 750, Add	9.46	
			For >750, Add	11.82	
33 11 13 00-0018	LF		26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	102.22	
			For >100 To 250, Add	2.56	
			For >250 To 400, Add	5.11	
			For >400 To 600, Add	7.67	
			For >600 To 750, Add	10.22	
			For >750, Add	12.78	
33 11 13 00-0019	LF		28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	112.46	
			For >100 To 250, Add	2.81	
			For >250 To 400, Add	5.62	
			For >400 To 600, Add	8.43	
			For >600 To 750, Add	11.25	
			For >750, Add	14.06	
33 11 13 00-0020	LF		30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	123.18	
			For >100 To 250, Add	3.08	
			For >250 To 400, Add	6.16	
			For >400 To 600, Add	9.24	
			For >600 To 750, Add	12.32	
			For >750, Add	15.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	153.23	
For >100 To 250, Add	3.83	
For >250 To 400, Add	7.66	
For >400 To 600, Add	11.49	
For >600 To 750, Add	15.32	
For >750, Add	19.15	
33 11 13 00-0022 Drill Hole In Sedimentary Rock (33 11 13 00-0002)		
33 11 13 00-0023 LF 6" Water Well Hole Drilled In Sedimentary Rock	21.57	
For >100 To 250, Add	0.54	
For >250 To 400, Add	1.08	
For >400 To 600, Add	1.62	
For >600 To 750, Add	2.16	
For >750, Add	2.70	
33 11 13 00-0024 LF 8" Water Well Hole Drilled In Sedimentary Rock	25.12	
For >100 To 250, Add	0.63	
For >250 To 400, Add	1.26	
For >400 To 600, Add	1.88	
For >600 To 750, Add	2.51	
For >750, Add	3.14	
33 11 13 00-0025 LF 10" Water Well Hole Drilled In Sedimentary Rock	40.23	
For >100 To 250, Add	1.01	
For >250 To 400, Add	2.01	
For >400 To 600, Add	3.02	
For >600 To 750, Add	4.02	
For >750, Add	5.03	
33 11 13 00-0026 LF 12" Water Well Hole Drilled In Sedimentary Rock	52.60	
For >100 To 250, Add	1.32	
For >250 To 400, Add	2.63	
For >400 To 600, Add	3.95	
For >600 To 750, Add	5.26	
For >750, Add	6.58	
33 11 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock	75.71	
For >100 To 250, Add	1.89	
For >250 To 400, Add	3.79	
For >400 To 600, Add	5.68	
For >600 To 750, Add	7.57	
For >750, Add	9.46	
33 11 13 00-0028 LF 16" Water Well Hole Drilled In Sedimentary Rock	98.81	
For >100 To 250, Add	2.47	
For >250 To 400, Add	4.94	
For >400 To 600, Add	7.41	
For >600 To 750, Add	9.88	
For >750, Add	12.35	
33 11 13 00-0029 LF 18" Water Well Hole Drilled In Sedimentary Rock	117.50	
For >100 To 250, Add	2.94	
For >250 To 400, Add	5.88	
For >400 To 600, Add	8.81	
For >600 To 750, Add	11.75	
For >750, Add	14.69	
33 11 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock	136.35	
For >100 To 250, Add	3.41	
For >250 To 400, Add	6.82	
For >400 To 600, Add	10.23	
For >600 To 750, Add	13.64	
For >750, Add	17.04	
33 11 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock	160.60	
For >100 To 250, Add	4.02	
For >250 To 400, Add	8.03	
For >400 To 600, Add	12.05	
For >600 To 750, Add	16.06	
For >750, Add	20.08	
33 11 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock	185.51	
For >100 To 250, Add	4.64	
For >250 To 400, Add	9.28	
For >400 To 600, Add	13.91	
For >600 To 750, Add	18.55	
For >750, Add	23.19	
33 11 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock	204.43	
For >100 To 250, Add	5.11	
For >250 To 400, Add	10.22	
For >400 To 600, Add	15.33	
For >600 To 750, Add	20.44	
For >750, Add	25.55	
33 11 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock	224.92	
For >100 To 250, Add	5.62	
For >250 To 400, Add	11.25	
For >400 To 600, Add	16.87	
For >600 To 750, Add	22.49	
For >750, Add	28.12	
33 11 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock	246.36	
For >100 To 250, Add	6.16	
For >250 To 400, Add	12.32	
For >400 To 600, Add	18.48	
For >600 To 750, Add	24.64	
For >750, Add	30.80	

33 Utilities
33 10 Water Utilities
33 11 Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock	306.45	
For >100 To 250, Add	7.66	
For >250 To 400, Add	15.32	
For >400 To 600, Add	22.98	
For >600 To 750, Add	30.65	
For >750, Add	38.31	
33 11 13 00-0037 Drill Hole In Crystalline Rock (33 11 13 00-0002)		
33 11 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock	44.39	
For >100 To 250, Add	1.11	
For >250 To 400, Add	2.22	
For >400 To 600, Add	3.33	
For >600 To 750, Add	4.44	
For >750, Add	5.55	
33 11 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock	51.21	
For >100 To 250, Add	1.28	
For >250 To 400, Add	2.56	
For >400 To 600, Add	3.84	
For >600 To 750, Add	5.12	
For >750, Add	6.40	
33 11 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock	58.72	
For >100 To 250, Add	1.47	
For >250 To 400, Add	2.94	
For >400 To 600, Add	4.40	
For >600 To 750, Add	5.87	
For >750, Add	7.34	
33 11 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock	74.42	
For >100 To 250, Add	1.86	
For >250 To 400, Add	3.72	
For >400 To 600, Add	5.58	
For >600 To 750, Add	7.44	
For >750, Add	9.30	
33 11 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock	96.28	
For >100 To 250, Add	2.41	
For >250 To 400, Add	4.81	
For >400 To 600, Add	7.22	
For >600 To 750, Add	9.63	
For >750, Add	12.04	
33 11 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock	139.98	
For >100 To 250, Add	3.50	
For >250 To 400, Add	7.00	
For >400 To 600, Add	10.50	
For >600 To 750, Add	14.00	
For >750, Add	17.50	
33 11 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock	166.61	
For >100 To 250, Add	4.17	
For >250 To 400, Add	8.33	
For >400 To 600, Add	12.50	
For >600 To 750, Add	16.66	
For >750, Add	20.83	
33 11 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock	193.24	
For >100 To 250, Add	4.83	
For >250 To 400, Add	9.66	
For >400 To 600, Add	14.49	
For >600 To 750, Add	19.32	
For >750, Add	24.16	
33 11 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock	227.38	
For >100 To 250, Add	5.68	
For >250 To 400, Add	11.37	
For >400 To 600, Add	17.05	
For >600 To 750, Add	22.74	
For >750, Add	28.42	
33 11 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock	262.89	
For >100 To 250, Add	6.57	
For >250 To 400, Add	13.14	
For >400 To 600, Add	19.72	
For >600 To 750, Add	26.29	
For >750, Add	32.86	
33 11 13 00-0048 Furnish And Install Casing (33 11 13 00-0001)		
Note: Excludes drilling of hole.		
33 11 13 00-0049 Steel Well Casing (33 11 13 00-0048)		
33 11 13 00-0050 LF 6" Diameter, Steel Well Casing, Flush	22.26	
For >100 To 250, Deduct	-0.62	
For >250 To 400, Deduct	-1.18	
For >400 To 600, Deduct	-1.77	
For >600 To 750, Deduct	-2.36	
For >750, Deduct	-3.03	
33 11 13 00-0051 LF 8" Diameter, Steel Well Casing, Flush	27.65	
For >100 To 250, Deduct	-0.77	
For >250 To 400, Deduct	-1.46	
For >400 To 600, Deduct	-2.20	
For >600 To 750, Deduct	-2.93	
For >750, Deduct	-3.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0052 LF 10" Diameter, Steel Well Casing, Flush.....	41.77	
For >100 To 250, Deduct	-1.14	
For >250 To 400, Deduct	-2.19	
For >400 To 600, Deduct	-3.28	
For >600 To 750, Deduct	-4.37	
For >750, Deduct	-5.59	
33 11 13 00-0053 LF 12" Diameter, Steel Well Casing, Flush.....	71.79	
For >100 To 250, Deduct	-1.91	
For >250 To 400, Deduct	-3.71	
For >400 To 600, Deduct	-5.56	
For >600 To 750, Deduct	-7.41	
For >750, Deduct	-9.42	
33 11 13 00-0054 LF 14" Diameter, Steel Well Casing, Flush.....	79.39	
For >100 To 250, Deduct	-2.15	
For >250 To 400, Deduct	-4.13	
For >400 To 600, Deduct	-6.20	
For >600 To 750, Deduct	-8.26	
For >750, Deduct	-10.54	
33 11 13 00-0055 LF 16" Diameter, Steel Well Casing, Flush.....	92.80	
For >100 To 250, Deduct	-2.52	
For >250 To 400, Deduct	-4.84	
For >400 To 600, Deduct	-7.26	
For >600 To 750, Deduct	-9.68	
For >750, Deduct	-12.37	
33 11 13 00-0056 LF 18" Diameter, Steel Well Casing, Flush.....	105.03	
For >100 To 250, Deduct	-2.88	
For >250 To 400, Deduct	-5.51	
For >400 To 600, Deduct	-8.26	
For >600 To 750, Deduct	-11.01	
For >750, Deduct	-14.09	
33 11 13 00-0057 LF 20" Diameter, Steel Well Casing, Flush.....	118.91	
For >100 To 250, Deduct	-3.29	
For >250 To 400, Deduct	-6.26	
For >400 To 600, Deduct	-9.39	
For >600 To 750, Deduct	-12.52	
For >750, Deduct	-16.05	
33 11 13 00-0058 LF 24" Diameter, Steel Well Casing, Flush.....	139.47	
For >100 To 250, Deduct	-3.84	
For >250 To 400, Deduct	-7.32	
For >400 To 600, Deduct	-10.99	
For >600 To 750, Deduct	-14.65	
For >750, Deduct	-18.77	
33 11 13 00-0059 LB Steel Well Casing, Furnish And Install.....	0.64	
For >100 To 250, Deduct	-0.02	
For >250 To 400, Deduct	-0.04	
For >400 To 600, Deduct	-0.05	
For >600 To 750, Deduct	-0.07	
For >750, Deduct	-0.10	
33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded <small>(33 11 13 00-0048)</small>		
33 11 13 00-0061 LF 6" Diameter, Stainless Steel Well Casing, Flush.....	54.97	
For >100 To 250, Deduct	-1.44	
For >250 To 400, Deduct	-2.81	
For >400 To 600, Deduct	-4.22	
For >600 To 750, Deduct	-5.63	
For >750, Deduct	-7.12	
33 11 13 00-0062 LF 8" Diameter, Stainless Steel Well Casing, Flush.....	83.44	
For >100 To 250, Deduct	-2.17	
For >250 To 400, Deduct	-4.25	
For >400 To 600, Deduct	-6.38	
For >600 To 750, Deduct	-8.51	
For >750, Deduct	-10.74	
33 11 13 00-0063 LF 10" Diameter, Stainless Steel Well Casing, Flush.....	117.10	
For >100 To 250, Deduct	-3.03	
For >250 To 400, Deduct	-5.96	
For >400 To 600, Deduct	-8.94	
For >600 To 750, Deduct	-11.92	
For >750, Deduct	-15.03	
33 11 13 00-0064 LF 12" Diameter, Stainless Steel Well Casing, Flush.....	136.03	
For >100 To 250, Deduct	-3.52	
For >250 To 400, Deduct	-6.93	
For >400 To 600, Deduct	-10.39	
For >600 To 750, Deduct	-13.85	
For >750, Deduct	-17.47	
33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring <small>(33 11 13 00-0048)</small>		
33 11 13 00-0066 LF 10" Diameter, Stainless Steel Well Casing, Welded.....	120.21	
For >100 To 250, Deduct	-3.19	
For >250 To 400, Deduct	-6.19	
For >400 To 600, Deduct	-9.29	
For >600 To 750, Deduct	-12.39	
For >750, Deduct	-15.72	
33 11 13 00-0067 LF 12" Diameter, Stainless Steel Well Casing, Welded.....	139.41	
For >100 To 250, Deduct	-3.69	
For >250 To 400, Deduct	-7.18	
For >400 To 600, Deduct	-10.77	
For >600 To 750, Deduct	-14.36	
For >750, Deduct	-18.22	

33 Utilities**33 10 Water Utilities****33 11 Groundwater Sources**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0068 LF 14" Diameter, Stainless Steel Well Casing, Welded	168.40	
For >100 To 250, Deduct	-4.44	
For >250 To 400, Deduct	-8.65	
For >400 To 600, Deduct	-12.98	
For >600 To 750, Deduct	-17.31	
For >750, Deduct	-21.94	
33 11 13 00-0069 LF 16" Diameter, Stainless Steel Well Casing, Welded	192.90	
For >100 To 250, Deduct	-5.09	
For >250 To 400, Deduct	-9.91	
For >400 To 600, Deduct	-14.87	
For >600 To 750, Deduct	-19.82	
For >750, Deduct	-25.13	
33 11 13 00-0070 LF 18" Diameter, Stainless Steel Well Casing, Welded	212.41	
For >100 To 250, Deduct	-5.62	
For >250 To 400, Deduct	-10.93	
For >400 To 600, Deduct	-16.39	
For >600 To 750, Deduct	-21.85	
For >750, Deduct	-27.71	
33 11 13 00-0071 LF 20" Diameter, Stainless Steel Well Casing, Welded	280.30	
For >100 To 250, Deduct	-7.37	
For >250 To 400, Deduct	-14.38	
For >400 To 600, Deduct	-21.57	
For >600 To 750, Deduct	-28.76	
For >750, Deduct	-36.42	
33 11 13 00-0072 LF 24" Diameter, Stainless Steel Well Casing, Welded	370.63	
For >100 To 250, Deduct	-9.72	
For >250 To 400, Deduct	-18.99	
For >400 To 600, Deduct	-28.48	
For >600 To 750, Deduct	-37.97	
For >750, Deduct	-48.06	
33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 <small>(33 11 13 00-0048)</small>		
33 11 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing	22.70	
For >100 To 250, Deduct	-0.62	
For >250 To 400, Deduct	-1.19	
For >400 To 600, Deduct	-1.78	
For >600 To 750, Deduct	-2.37	
For >750, Deduct	-3.04	
33 11 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing	36.10	
For >100 To 250, Deduct	-0.98	
For >250 To 400, Deduct	-1.89	
For >400 To 600, Deduct	-2.83	
For >600 To 750, Deduct	-3.77	
For >750, Deduct	-4.82	
33 11 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing	54.54	
For >100 To 250, Deduct	-1.49	
For >250 To 400, Deduct	-2.85	
For >400 To 600, Deduct	-4.28	
For >600 To 750, Deduct	-5.70	
For >750, Deduct	-7.29	
33 11 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing	64.23	
For >100 To 250, Deduct	-1.76	
For >250 To 400, Deduct	-3.36	
For >400 To 600, Deduct	-5.04	
For >600 To 750, Deduct	-6.72	
For >750, Deduct	-8.60	
33 11 13 00-0078 Furnish And Install Well Screen Assembly <small>(33 11 13 00-0001)</small>		
33 11 13 00-0079 Stainless Steel Well Screen <small>(33 11 13 00-0078)</small>		
33 11 13 00-0080 LF 2" Stainless Steel Well Screen	14.52	0.52
For >100 To 250, Deduct	-0.43	
For >250 To 400, Deduct	-0.79	
For >400 To 600, Deduct	-1.19	
For >600 To 750, Deduct	-1.59	
For >750, Deduct	-2.07	
33 11 13 00-0081 LF 3" Stainless Steel Well Screen	24.94	0.52
For >100 To 250, Deduct	-0.70	
For >250 To 400, Deduct	-1.32	
For >400 To 600, Deduct	-1.98	
For >600 To 750, Deduct	-2.64	
For >750, Deduct	-3.39	
33 11 13 00-0082 LF 4" Stainless Steel Well Screen	31.30	0.78
For >100 To 250, Deduct	-0.87	
For >250 To 400, Deduct	-1.66	
For >400 To 600, Deduct	-2.48	
For >600 To 750, Deduct	-3.31	
For >750, Deduct	-4.26	
33 11 13 00-0083 LF 5" Stainless Steel Well Screen	39.95	0.78
For >100 To 250, Deduct	-1.11	
For >250 To 400, Deduct	-2.11	
For >400 To 600, Deduct	-3.16	
For >600 To 750, Deduct	-4.21	
For >750, Deduct	-5.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0084 LF 6" Stainless Steel Well Screen	47.10	1.04
For >100 To 250, Deduct	-1.32	
For >250 To 400, Deduct	-2.50	
For >400 To 600, Deduct	-3.75	
For >600 To 750, Deduct	-5.00	
For >750, Deduct	-6.44	
33 11 13 00-0085 LF 8" Stainless Steel Well Screen	61.69	1.30
For >100 To 250, Deduct	-1.73	
For >250 To 400, Deduct	-3.27	
For >400 To 600, Deduct	-4.90	
For >600 To 750, Deduct	-6.54	
For >750, Deduct	-8.41	
33 11 13 00-0086 LF 10" Stainless Steel Well Screen.....	77.44	2.08
For >100 To 250, Deduct	-2.19	
For >250 To 400, Deduct	-4.12	
For >400 To 600, Deduct	-6.18	
For >600 To 750, Deduct	-8.24	
For >750, Deduct	-10.63	
33 11 13 00-0087 LF 12" Stainless Steel Well Screen.....	90.92	2.60
For >100 To 250, Deduct	-2.56	
For >250 To 400, Deduct	-4.84	
For >400 To 600, Deduct	-7.26	
For >600 To 750, Deduct	-9.67	
For >750, Deduct	-12.47	
33 11 13 00-0088 LF 14" Stainless Steel Well Screen.....	98.96	2.87
For >100 To 250, Deduct	-2.81	
For >250 To 400, Deduct	-5.28	
For >400 To 600, Deduct	-7.93	
For >600 To 750, Deduct	-10.57	
For >750, Deduct	-13.64	
33 11 13 00-0089 LF 16" Stainless Steel Well Screen.....	106.32	3.38
For >100 To 250, Deduct	-3.04	
For >250 To 400, Deduct	-5.69	
For >400 To 600, Deduct	-8.54	
For >600 To 750, Deduct	-11.39	
For >750, Deduct	-14.72	
33 11 13 00-0090 LF 18" Stainless Steel Well Screen.....	126.94	3.90
For >100 To 250, Deduct	-3.64	
For >250 To 400, Deduct	-6.81	
For >400 To 600, Deduct	-10.22	
For >600 To 750, Deduct	-13.62	
For >750, Deduct	-17.63	
33 11 13 00-0091 LF 20" Stainless Steel Well Screen.....	160.24	4.94
For >100 To 250, Deduct	-4.59	
For >250 To 400, Deduct	-8.60	
For >400 To 600, Deduct	-12.89	
For >600 To 750, Deduct	-17.19	
For >750, Deduct	-22.25	
33 11 13 00-0092 LF 24" Stainless Steel Well Screen.....	207.41	6.51
For >100 To 250, Deduct	-5.95	
For >250 To 400, Deduct	-11.14	
For >400 To 600, Deduct	-16.70	
For >600 To 750, Deduct	-22.27	
For >750, Deduct	-28.83	
33 11 13 00-0093 LF 26" Stainless Steel Well Screen.....	240.02	7.55
For >100 To 250, Deduct	-6.87	
For >250 To 400, Deduct	-12.87	
For >400 To 600, Deduct	-19.30	
For >600 To 750, Deduct	-25.74	
For >750, Deduct	-33.30	
33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 <small>(33 11 13 00-0078)</small>		
33 11 13 00-0095 LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	7.05	
For >100 To 250, Deduct	-0.25	
For >250 To 400, Deduct	-0.43	
For >400 To 600, Deduct	-0.64	
For >600 To 750, Deduct	-0.85	
For >750, Deduct	-1.16	
For Schedule 80, Add	1.64	
33 11 13 00-0096 LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	8.06	
For >100 To 250, Deduct	-0.28	
For >250 To 400, Deduct	-0.48	
For >400 To 600, Deduct	-0.72	
For >600 To 750, Deduct	-0.96	
For >750, Deduct	-1.31	
For Schedule 80, Add	1.97	
33 11 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	11.37	
For >100 To 250, Deduct	-0.42	
For >250 To 400, Deduct	-0.71	
For >400 To 600, Deduct	-1.06	
For >600 To 750, Deduct	-1.42	
For >750, Deduct	-1.96	
For Schedule 80, Add	2.30	

33 Utilities**33 10 Water Utilities****33 11 Groundwater Sources**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 11 13 00-0098	LF	3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	16.74
		<i>For >100 To 250, Deduct</i>	-0.57
		<i>For >250 To 400, Deduct</i>	-0.99
		<i>For >400 To 600, Deduct</i>	-1.48
		<i>For >600 To 750, Deduct</i>	-1.98
		<i>For >750, Deduct</i>	-2.67
		<i>For Schedule 80, Add</i>	4.27
33 11 13 00-0099	LF	4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	21.05
		<i>For >100 To 250, Deduct</i>	-0.72
		<i>For >250 To 400, Deduct</i>	-1.24
		<i>For >400 To 600, Deduct</i>	-1.87
		<i>For >600 To 750, Deduct</i>	-2.49
		<i>For >750, Deduct</i>	-3.36
		<i>For Schedule 80, Add</i>	5.35
33 11 13 00-0100	LF	5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	26.37
		<i>For >100 To 250, Deduct</i>	-0.89
		<i>For >250 To 400, Deduct</i>	-1.55
		<i>For >400 To 600, Deduct</i>	-2.32
		<i>For >600 To 750, Deduct</i>	-3.09
		<i>For >750, Deduct</i>	-4.16
		<i>For Schedule 80, Add</i>	6.90
33 11 13 00-0101	LF	6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	29.01
		<i>For >100 To 250, Deduct</i>	-1.03
		<i>For >250 To 400, Deduct</i>	-1.76
		<i>For >400 To 600, Deduct</i>	-2.63
		<i>For >600 To 750, Deduct</i>	-3.51
		<i>For >750, Deduct</i>	-4.78
		<i>For Schedule 80, Add</i>	6.73
33 11 13 00-0102	LF	8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	41.83
		<i>For >100 To 250, Deduct</i>	-1.44
		<i>For >250 To 400, Deduct</i>	-2.48
		<i>For >400 To 600, Deduct</i>	-3.72
		<i>For >600 To 750, Deduct</i>	-4.96
		<i>For >750, Deduct</i>	-6.71
		<i>For Schedule 80, Add</i>	10.50
33 11 13 00-0103		Furnish And Install Gravel Pack Material <small>(33 11 13 00-0001)</small>	
		Note: Quantity is based on 3" space between wall and the casing or well screen.	
33 11 13 00-0104		Artificial Gravel Pack <small>(33 11 13 00-0103)</small>	
		Note: Excludes casing.	
33 11 13 00-0105	LF	Artificial Gravel Pack, 6" Casing, 2" Screen.....	7.69
		<i>For >100 To 250, Deduct</i>	-0.27
		<i>For >250 To 400, Deduct</i>	-0.46
		<i>For >400 To 600, Deduct</i>	-0.69
		<i>For >600 To 750, Deduct</i>	-0.92
		<i>For >750, Deduct</i>	-1.25
33 11 13 00-0106	LF	Artificial Gravel Pack, 8" Casing, 2" Screen.....	11.11
		<i>For >100 To 250, Deduct</i>	-0.40
		<i>For >250 To 400, Deduct</i>	-0.67
		<i>For >400 To 600, Deduct</i>	-1.01
		<i>For >600 To 750, Deduct</i>	-1.35
		<i>For >750, Deduct</i>	-1.83
33 11 13 00-0107	LF	Artificial Gravel Pack, 10" Casing, 2" Screen.....	15.08
		<i>For >100 To 250, Deduct</i>	-0.55
		<i>For >250 To 400, Deduct</i>	-0.93
		<i>For >400 To 600, Deduct</i>	-1.39
		<i>For >600 To 750, Deduct</i>	-1.86
		<i>For >750, Deduct</i>	-2.55
33 11 13 00-0108	LF	Artificial Gravel Pack, 12" Casing, 2" Screen.....	19.58
		<i>For >100 To 250, Deduct</i>	-0.71
		<i>For >250 To 400, Deduct</i>	-1.20
		<i>For >400 To 600, Deduct</i>	-1.79
		<i>For >600 To 750, Deduct</i>	-2.39
		<i>For >750, Deduct</i>	-3.27
33 11 13 00-0109	LF	Artificial Gravel Pack, 14" Casing, 2" Screen.....	24.44
		<i>For >100 To 250, Deduct</i>	-0.87
		<i>For >250 To 400, Deduct</i>	-1.48
		<i>For >400 To 600, Deduct</i>	-2.22
		<i>For >600 To 750, Deduct</i>	-2.96
		<i>For >750, Deduct</i>	-4.04
33 11 13 00-0110	LF	Artificial Gravel Pack, 16" Casing, 2" Screen.....	32.21
		<i>For >100 To 250, Deduct</i>	-1.13
		<i>For >250 To 400, Deduct</i>	-1.93
		<i>For >400 To 600, Deduct</i>	-2.90
		<i>For >600 To 750, Deduct</i>	-3.86
		<i>For >750, Deduct</i>	-5.24
33 11 13 00-0111	LF	Artificial Gravel Pack, 18" Casing, 2" Screen.....	37.10
		<i>For >100 To 250, Deduct</i>	-1.29
		<i>For >250 To 400, Deduct</i>	-2.22
		<i>For >400 To 600, Deduct</i>	-3.32
		<i>For >600 To 750, Deduct</i>	-4.43
		<i>For >750, Deduct</i>	-6.01
33 11 13 00-0112	LF	Artificial Gravel Pack, 20" Casing, 2" Screen.....	43.65
		<i>For >100 To 250, Deduct</i>	-1.53
		<i>For >250 To 400, Deduct</i>	-2.62
		<i>For >400 To 600, Deduct</i>	-3.94
		<i>For >600 To 750, Deduct</i>	-5.25
		<i>For >750, Deduct</i>	-7.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen.....	49.12	
For >100 To 250, Deduct	-1.73	
For >250 To 400, Deduct	-2.96	
For >400 To 600, Deduct	-4.44	
For >600 To 750, Deduct	-5.93	
For >750, Deduct	-8.06	
33 11 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen.....	53.52	
For >100 To 250, Deduct	-1.87	
For >250 To 400, Deduct	-3.21	
For >400 To 600, Deduct	-4.81	
For >600 To 750, Deduct	-6.41	
For >750, Deduct	-8.70	
33 11 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen.....	63.11	
For >100 To 250, Deduct	-2.23	
For >250 To 400, Deduct	-3.81	
For >400 To 600, Deduct	-5.71	
For >600 To 750, Deduct	-7.61	
For >750, Deduct	-10.36	
33 11 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen.....	71.56	
For >100 To 250, Deduct	-2.58	
For >250 To 400, Deduct	-4.37	
For >400 To 600, Deduct	-6.56	
For >600 To 750, Deduct	-8.74	
For >750, Deduct	-11.96	
33 11 13 00-0117 Develop Well <small>(33 11 13 00-0001)</small>		
Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118 HR Develop Well.....	222.65	
33 11 13 00-0119 Pump Test <small>(33 11 13 00-0001)</small>		
Note: To determine water level and GPM flow rate.		
33 11 13 00-0120 HR Pump Test Well	195.07	
33 11 13 00-0121 Test Well <small>(33 11 13 00-0001)</small>		
33 11 13 00-0122 VLF 2-1/2" Diameter Test Well.....	46.44	
33 11 13 00-0123 Surface Seal, Concrete Filled <small>(33 11 13)</small>		
33 11 13 00-0124 SF Surface Seal Well, Concrete Filled	15.76	
33 11 13 00-0125 Other Water Well <small>(33 11 13)</small>		
33 11 13 00-0126 SF Patch Hole In Well Casing	32.52	
33 11 13 00-0127 SF 1/2" Pressure Grout Well	1.09	
33 11 13 00-0128 SF 1" Pressure Grout Well	1.85	
33 11 13 00-0129 CF Sediment Removal In Well Casing For Existing Well.....	1.62	
33 11 13 00-0130 Sterilization Of Well <small>(33 11 13)</small>		
33 11 13 00-0131 EA Well Sterilization, Chlorine.....	636.99	
33 11 13 00-0132 Submersible Well Pumps <small>(33 11 13)</small>		
Note: Includes pump end, motor and control box.		
33 11 13 00-0133 4" Submersible Well Pumps <small>(33 11 13 00-0132)</small>		
33 11 13 00-0134 Powder Coated Case And Cast Iron Ends <small>(33 11 13 00-0133)</small>		
33 11 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	823.19	188.21
33 11 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	946.93	208.61
33 11 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,050.14	231.79
33 11 13 00-0138 Stainless Steel Case And Ends <small>(33 11 13 00-0133)</small>		
33 11 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	999.76	185.43
33 11 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,148.91	208.61
33 11 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,294.44	231.79
33 11 13 00-0142 EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,514.94	254.97
33 11 13 00-0143 EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,746.35	278.15
33 11 13 00-0144 EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,201.88	324.50
33 11 13 00-0145 EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,883.58	370.87
33 11 13 00-0146 6" Submersible Well Pumps <small>(33 11 13 00-0132)</small>		
33 11 13 00-0147 EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel	2,489.69	463.58
33 11 13 00-0148 EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	2,946.39	509.94
33 11 13 00-0149 EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,426.17	556.30
33 11 13 00-0150 EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,478.74	649.01
33 11 53 Monitoring Wells <small>(33 11)</small>		

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 11 53 00-0001			Monitoring Wells <small>(33 11 53)</small>		
33 11 53 00-0002	EA		Monitoring Well Installation, 2" Polyvinyl Chloride (PVC), Maximum 20 Foot Depth.....	577.15	
33 11 53 00-0003	EA		Monitoring Well Installation, 4" Polyvinyl Chloride (PVC), Maximum 20 Foot Depth.....	659.60	
33 11 53 00-0004	LF		Monitoring Well Installation, 2" Polyvinyl Chloride (PVC), >20', Up To 100'.....	57.72	
33 11 53 00-0005	LF		Monitoring Well Installation, 4" Polyvinyl Chloride (PVC), >20', Up To 100'.....	65.96	

33 14 Water Utility Transmission and Distribution (33 10)**33 14 11 Water Utility Transmission Piping** (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping (33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping (33 14 13)**33 14 13 13-0001 Ductile Iron Piping** (33 14 13 13)**33 14 13 13-0002 Mechanical Joint Ductile Iron Piping** (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.

33 14 13 13-0004	LF		4" Mechanical Joint Ductile Iron Pipe.....	28.32	5.24
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.27	
			For Cement Mortar Lining (CML), Add	2.04	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.53	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.42	
			For Class 51, Add	1.86	
			For Class 52, Add	4.18	
			For Class 53, Add	11.22	
			For Class 54, Add	16.02	
			For Class 55, Add	18.41	
			For Class 56, Add	20.75	
33 14 13 13-0005	LF		6" Mechanical Joint Ductile Iron Pipe.....	29.55	5.50
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.87	
			For Cement Mortar Lining (CML), Add	2.12	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.59	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.48	
			For Class 51, Add	1.94	
			For Class 52, Add	4.35	
			For Class 53, Add	11.69	
			For Class 54, Add	16.69	
			For Class 55, Add	19.18	
			For Class 56, Add	21.62	
33 14 13 13-0006	LF		8" Mechanical Joint Ductile Iron Pipe.....	35.82	5.71
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	19.02	
			For Cement Mortar Lining (CML), Add	2.72	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.04	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.79	
			For Class 51, Add	2.45	
			For Class 52, Add	5.52	
			For Class 53, Add	14.88	
			For Class 54, Add	21.26	
			For Class 55, Add	24.41	
			For Class 56, Add	27.51	
33 14 13 13-0007	LF		10" Mechanical Joint Ductile Iron Pipe.....	47.40	7.96
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.21	
			For Cement Mortar Lining (CML), Add	3.54	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.65	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.37	
			For Class 51, Add	3.20	
			For Class 52, Add	7.20	
			For Class 53, Add	19.40	
			For Class 54, Add	27.69	
			For Class 55, Add	31.81	
			For Class 56, Add	35.85	
33 14 13 13-0008	LF		12" Mechanical Joint Ductile Iron Pipe.....	58.54	8.83
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.58	
			For Cement Mortar Lining (CML), Add	4.52	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.39	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.93	
			For Class 51, Add	4.06	
			For Class 52, Add	9.14	
			For Class 53, Add	24.70	
			For Class 54, Add	35.27	
			For Class 55, Add	40.50	
			For Class 56, Add	45.64	



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0009 LF 14" Mechanical Joint Ductile Iron Pipe.....	71.06	9.92
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.64	
For Cement Mortar Lining (CML), Add	5.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.20	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.55	
For Class 51, Add	5.02	
For Class 52, Add	11.30	
For Class 53, Add	30.57	
For Class 54, Add	43.66	
For Class 55, Add	50.13	
For Class 56, Add	56.48	
33 14 13 13-0010 LF 16" Mechanical Joint Ductile Iron Pipe.....	79.98	11.37
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.74	
For Cement Mortar Lining (CML), Add	6.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.71	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.00	
For Class 51, Add	5.63	
For Class 52, Add	12.68	
For Class 53, Add	34.28	
For Class 54, Add	48.97	
For Class 55, Add	56.22	
For Class 56, Add	63.34	
33 14 13 13-0011 LF 18" Mechanical Joint Ductile Iron Pipe.....	100.58	13.26
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	33.01	
For Cement Mortar Lining (CML), Add	8.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.04	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.03	
For Class 51, Add	7.20	
For Class 52, Add	16.21	
For Class 53, Add	43.89	
For Class 54, Add	62.70	
For Class 55, Add	71.97	
For Class 56, Add	81.08	
33 14 13 13-0012 LF 20" Mechanical Joint Ductile Iron Pipe.....	112.76	15.91
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	33.69	
For Cement Mortar Lining (CML), Add	8.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.65	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.64	
For Class 51, Add	7.95	
For Class 52, Add	17.90	
For Class 53, Add	48.42	
For Class 54, Add	69.15	
For Class 55, Add	79.39	
For Class 56, Add	89.45	
33 14 13 13-0013 LF 24" Mechanical Joint Ductile Iron Pipe.....	149.11	19.88
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	36.89	
For Cement Mortar Lining (CML), Add	11.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.92	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.46	
For Class 51, Add	10.65	
For Class 52, Add	23.97	
For Class 53, Add	64.90	
For Class 54, Add	92.70	
For Class 55, Add	106.42	
For Class 56, Add	119.88	
33 14 13 13-0014 LF 30" Mechanical Joint Ductile Iron Pipe.....	199.93	21.41
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	52.01	
For Cement Mortar Lining (CML), Add	16.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.58	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.00	
For Class 51, Add	14.88	
For Class 52, Add	33.54	
For Class 53, Add	91.12	
For Class 54, Add	130.20	
For Class 55, Add	149.41	
For Class 56, Add	168.27	
33 14 13 13-0015 LF 36" Mechanical Joint Ductile Iron Pipe.....	243.96	22.74
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	65.04	
For Cement Mortar Lining (CML), Add	20.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.74	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-12.20	
For Class 51, Add	18.53	
For Class 52, Add	41.79	
For Class 53, Add	113.72	
For Class 54, Add	162.51	
For Class 55, Add	186.45	
For Class 56, Add	209.96	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0016 LF 42" Mechanical Joint Ductile Iron Pipe.....	306.44	24.06
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	83.79	
For Cement Mortar Lining (CML), Add	27.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.27	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-15.32	
For Class 51, Add	23.78	
For Class 52, Add	53.64	
For Class 53, Add	146.20	
For Class 54, Add	208.95	
For Class 55, Add	239.70	
For Class 56, Add	269.88	
33 14 13 13-0017 LF 48" Mechanical Joint Ductile Iron Pipe.....	382.66	25.42
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	106.80	
For Cement Mortar Lining (CML), Add	34.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.84	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-19.13	
For Class 51, Add	30.21	
For Class 52, Add	68.17	
For Class 53, Add	186.05	
For Class 54, Add	265.93	
For Class 55, Add	305.03	
For Class 56, Add	343.40	
33 14 13 13-0018 Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0019 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow	95.42	18.56
For Cement Mortar Lining (CML), Add	6.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.05	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0020 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow	151.57	27.42
For Cement Mortar Lining (CML), Add	11.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.25	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow	209.36	32.53
For Cement Mortar Lining (CML), Add	16.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow	308.07	35.27
For Cement Mortar Lining (CML), Add	25.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow	405.52	41.37
For Cement Mortar Lining (CML), Add	34.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow	644.15	46.39
For Cement Mortar Lining (CML), Add	57.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.04	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow	859.72	53.02
For Cement Mortar Lining (CML), Add	77.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow	1,050.99	74.23
For Cement Mortar Lining (CML), Add	93.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	70.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow	1,449.26	92.79
For Cement Mortar Lining (CML), Add	130.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	98.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow	2,140.71	123.55
For Cement Mortar Lining (CML), Add	195.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	146.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow	3,335.68	132.55
For Cement Mortar Lining (CML), Add	313.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	235.11	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow	5,109.45	137.61
For Cement Mortar Lining (CML), Add	490.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	367.57	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0031 EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,645.15 840.41 630.31	159.06
33 14 13 13-0032 EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,462.51 1,120.61 840.46	169.22
33 14 13 13-0033 Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0034 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	83.60 5.55 4.16	18.56
33 14 13 13-0035 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	130.66 8.91 6.68	27.42
33 14 13 13-0036 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	179.35 13.01 9.75	32.53
33 14 13 13-0037 EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	243.50 19.01 14.26	35.27
33 14 13 13-0038 EA 12" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	346.41 28.38 21.28	41.37
33 14 13 13-0039 EA 14" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	516.83 44.65 33.49	46.39
33 14 13 13-0040 EA 16" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	636.91 55.66 41.74	53.02
33 14 13 13-0041 EA 18" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	910.94 79.85 59.89	74.23
33 14 13 13-0042 EA 20" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	993.63 85.31 63.98	92.79
33 14 13 13-0043 EA 24" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,483.18 129.60 97.20	123.55
33 14 13 13-0044 EA 30" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,833.67 263.28 197.46	132.55
33 14 13 13-0045 EA 36" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,058.14 384.97 288.72	137.61
33 14 13 13-0046 EA 42" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,156.01 591.50 443.63	159.06
33 14 13 13-0047 EA 48" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,007.55 775.12 581.34	169.22
33 14 13 13-0048 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0002)		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0049 EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	80.87 5.28 3.96	18.56
33 14 13 13-0050 EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	123.38 8.19 6.14	27.42
33 14 13 13-0051 EA 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	176.62 12.73 9.55	32.53
33 14 13 13-0052 EA 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	242.59 18.92 14.19	35.27
33 14 13 13-0053 EA 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	310.94 24.83 18.62	41.37
33 14 13 13-0054 EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	522.28 45.20 33.90	46.39
33 14 13 13-0055 EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	614.17 53.38 40.04	53.02
33 14 13 13-0056 EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	768.16 65.57 49.18	74.23
33 14 13 13-0057 EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,031.83 89.13 66.84	92.79
33 14 13 13-0058 EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,383.14 119.59 89.69	123.55
33 14 13 13-0059 EA 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,407.14 220.63 165.47	132.55
33 14 13 13-0060 EA 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,442.45 323.40 242.55	137.61
33 14 13 13-0061 EA 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,123.79 488.28 366.21	159.06
33 14 13 13-0062 EA 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,614.29 635.79 476.84	169.22
33 14 13 13-0063 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0064 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	78.14 5.00 3.75	18.56
33 14 13 13-0065 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	126.11 8.46 6.34	27.42
33 14 13 13-0066 EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	164.80 11.55 8.66	32.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0067 EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	240.77 18.73 14.05	35.27
33 14 13 13-0068 EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	295.48 23.28 17.46	41.37
33 14 13 13-0069 EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	585.94 51.57 38.67	46.39
33 14 13 13-0070 EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	645.09 56.48 42.36	53.02
33 14 13 13-0071 EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	940.95 82.85 62.14	74.23
33 14 13 13-0072 EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	979.99 83.94 62.96	92.79
33 14 13 13-0073 EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,306.75 111.95 83.96	123.55
33 14 13 13-0074 EA 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,447.16 224.63 168.47	132.55
33 14 13 13-0075 EA 36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,278.75 307.03 230.27	137.61
33 14 13 13-0076 EA 42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,900.98 466.00 349.50	159.06
33 14 13 13-0077 EA 48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,570.63 631.42 473.57	169.22
33 14 13 13-0078 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0079 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	108.15 8.00 6.00	18.56
33 14 13 13-0080 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	174.31 13.28 9.96	27.42
33 14 13 13-0081 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	239.37 19.01 14.26	32.53
33 14 13 13-0082 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	351.73 29.83 22.37	35.27
33 14 13 13-0083 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	452.81 39.02 29.26	41.37
33 14 13 13-0084 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	796.02 72.57 54.43	46.39

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0085 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,229.86 114.95 86.21	53.02
33 14 13 13-0086 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,418.41 130.60 97.95	74.23
33 14 13 13-0087 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,933.09 179.25 134.44	92.79
33 14 13 13-0088 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,340.78 215.36 161.52	123.55
33 14 13 13-0089 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,441.56 424.07 318.05	132.55
33 14 13 13-0090 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,023.30 781.48 586.11	137.61
33 14 13 13-0091 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow (33 14 13 13- 0002)		
33 14 13 13-0092 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	86.32 5.82 4.37	18.56
33 14 13 13-0093 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	140.66 9.91 7.43	27.42
33 14 13 13-0094 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	208.45 15.92 11.94	32.53
33 14 13 13-0095 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	289.88 23.65 17.73	35.27
33 14 13 13-0096 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	399.15 33.65 25.24	41.37
33 14 13 13-0097 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	700.53 63.02 47.27	46.39
33 14 13 13-0098 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,079.80 99.95 74.96	53.02
33 14 13 13-0099 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,266.53 115.41 86.56	74.23
33 14 13 13-0100 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,647.52 150.69 113.02	92.79
33 14 13 13-0101 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,065.22 187.80 140.85	123.55
33 14 13 13-0102 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,889.53 368.87 276.65	132.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0103 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,007.45 679.90 509.92	137.61
33 14 13 13-0104 Mechanical Joint Ductile Iron Tee (33 14 13 13-0002)		
33 14 13 13-0105 EA 4" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	129.75 8.82 6.62	27.42
33 14 13 13-0106 EA 6" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	202.74 14.82 11.12	35.97
33 14 13 13-0107 EA 6" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	220.13 15.92 11.94	40.27
33 14 13 13-0108 EA 8" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	235.04 17.19 12.89	41.69
33 14 13 13-0109 EA 8" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	267.90 19.83 14.87	45.96
33 14 13 13-0110 EA 8" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	313.15 23.92 17.94	48.84
33 14 13 13-0111 EA 10" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	330.15 26.37 19.78	43.83
33 14 13 13-0112 EA 10" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	327.98 25.56 19.17	47.80
33 14 13 13-0113 EA 10" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	375.66 29.92 22.44	50.46
33 14 13 13-0114 EA 10" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	422.28 34.20 25.65	53.02
33 14 13 13-0115 EA 12" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	397.29 32.29 24.21	49.13
33 14 13 13-0116 EA 12" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	453.33 37.29 27.97	53.10
33 14 13 13-0117 EA 12" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	563.76 47.93 35.95	55.76
33 14 13 13-0118 EA 12" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	604.92 51.66 38.74	58.32
33 14 13 13-0119 EA 12" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	569.84 47.75 35.81	60.98
33 14 13 13-0120 EA 14" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	610.32 51.66 38.74	61.88

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0121 EA 14" x 8" Mechanical Joint Ductile Iron Tee.....	682.55	64.53
For Cement Mortar Lining (CML), Add	58.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122 EA 14" x 10" Mechanical Joint Ductile Iron Tee.....	882.87	67.10
For Cement Mortar Lining (CML), Add	78.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123 EA 14" x 12" Mechanical Joint Ductile Iron Tee.....	945.09	69.75
For Cement Mortar Lining (CML), Add	83.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124 EA 14" x 14" Mechanical Joint Ductile Iron Tee.....	907.17	74.15
For Cement Mortar Lining (CML), Add	79.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	59.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125 EA 16" x 6" Mechanical Joint Ductile Iron Tee.....	779.05	74.23
For Cement Mortar Lining (CML), Add	66.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126 EA 16" x 8" Mechanical Joint Ductile Iron Tee.....	840.40	76.88
For Cement Mortar Lining (CML), Add	72.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127 EA 16" x 10" Mechanical Joint Ductile Iron Tee.....	986.16	79.44
For Cement Mortar Lining (CML), Add	86.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128 EA 16" x 12" Mechanical Joint Ductile Iron Tee.....	1,082.94	82.09
For Cement Mortar Lining (CML), Add	95.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129 EA 16" x 14" Mechanical Joint Ductile Iron Tee.....	1,312.39	86.48
For Cement Mortar Lining (CML), Add	118.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	88.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130 EA 16" x 16" Mechanical Joint Ductile Iron Tee.....	1,232.62	92.67
For Cement Mortar Lining (CML), Add	109.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131 EA 18" x 6" Mechanical Joint Ductile Iron Tee.....	1,087.93	94.99
For Cement Mortar Lining (CML), Add	94.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	70.80	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132 EA 18" x 8" Mechanical Joint Ductile Iron Tee.....	1,170.16	97.65
For Cement Mortar Lining (CML), Add	102.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0133 EA 18" x 10" Mechanical Joint Ductile Iron Tee.....	1,270.44	100.21
For Cement Mortar Lining (CML), Add	111.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134 EA 18" x 12" Mechanical Joint Ductile Iron Tee.....	1,369.95	102.86
For Cement Mortar Lining (CML), Add	121.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135 EA 18" x 14" Mechanical Joint Ductile Iron Tee.....	1,408.43	107.25
For Cement Mortar Lining (CML), Add	124.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	93.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136 EA 18" x 16" Mechanical Joint Ductile Iron Tee.....	1,504.17	113.42
For Cement Mortar Lining (CML), Add	133.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137 EA 18" x 18" Mechanical Joint Ductile Iron Tee.....	1,768.19	123.80
For Cement Mortar Lining (CML), Add	158.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	118.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138 EA 20" x 6" Mechanical Joint Ductile Iron Tee.....	1,268.63	136.22
For Cement Mortar Lining (CML), Add	106.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	79.67	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0139 EA 20" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,296.29 108.59 81.44	138.88
33 14 13 13-0140 EA 20" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,419.32 120.50 90.38	141.44
33 14 13 13-0141 EA 20" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,541.56 132.32 99.24	144.09
33 14 13 13-0142 EA 20" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,558.21 133.32 99.99	148.48
33 14 13 13-0143 EA 20" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,578.47 134.42 100.81	154.65
33 14 13 13-0144 EA 20" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,005.27 175.52 131.64	165.03
33 14 13 13-0145 EA 20" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,738.20 145.69 109.27	185.65
33 14 13 13-0146 EA 24" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,546.44 127.78 95.83	177.33
33 14 13 13-0147 EA 24" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,566.83 129.41 97.06	180.23
33 14 13 13-0148 EA 24" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,738.05 146.15 109.61	182.54
33 14 13 13-0149 EA 24" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,782.98 150.24 112.68	185.19
33 14 13 13-0150 EA 24" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,020.63 173.34 130.00	189.58
33 14 13 13-0151 EA 24" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,189.13 189.25 141.94	195.74
33 14 13 13-0152 EA 24" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,499.53 218.72 164.04	206.13
33 14 13 13-0153 EA 24" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,771.76 242.82 182.12	226.75
33 14 13 13-0154 EA 24" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,537.35 216.27 162.20	247.32
33 14 13 13-0155 EA 30" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,756.98 244.00 183.00	209.19
33 14 13 13-0156 EA 30" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,910.92 259.01 194.26	211.75

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0157 EA 30" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,064.99 274.01 205.51	214.40
33 14 13 13-0158 EA 30" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,284.44 295.30 221.47	218.78
33 14 13 13-0159 EA 30" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,521.16 318.03 238.52	291.10
33 14 13 13-0160 EA 30" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,613.28 325.67 244.25	235.34
33 14 13 13-0161 EA 30" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,750.92 336.31 252.23	255.96
33 14 13 13-0162 EA 30" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,935.75 351.68 263.76	276.51
33 14 13 13-0163 EA 30" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,974.63 453.36 340.02	291.10
33 14 13 13-0164 EA 30" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,891.19 257.83 193.37	206.53
33 14 13 13-0165 EA 36" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,387.31 303.57 227.68	232.06
33 14 13 13-0166 EA 36" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,785.90 343.04 257.28	234.62
33 14 13 13-0167 EA 36" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,000.90 364.14 273.11	237.27
33 14 13 13-0168 EA 36" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,153.97 378.78 284.09	241.66
33 14 13 13-0169 EA 36" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,307.92 393.24 294.93	247.83
33 14 13 13-0170 EA 36" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,603.77 421.25 315.94	258.21
33 14 13 13-0171 EA 36" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,916.00 449.35 337.02	278.83
33 14 13 13-0172 EA 36" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,445.52 499.19 374.39	299.38
33 14 13 13-0173 EA 36" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,032.41 555.67 416.75	325.43
33 14 13 13-0174 EA 36" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,072.85 657.98 493.49	325.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0175 EA 42" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,032.71 765.39 574.04	250.05
33 14 13 13-0176 EA 42" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,193.97 780.85 585.63	254.44
33 14 13 13-0177 EA 42" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,122.76 872.79 654.59	260.61
33 14 13 13-0178 EA 42" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,510.98 810.04 607.53	270.99
33 14 13 13-0179 EA 42" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,542.22 810.04 607.53	291.61
33 14 13 13-0180 EA 42" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,721.59 824.86 618.65	312.16
33 14 13 13-0181 EA 42" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,613.53 1,011.84 758.88	326.76
33 14 13 13-0182 EA 42" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,055.57 1,054.31 790.74	338.20
33 14 13 13-0183 EA 42" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,704.58 1,118.25 838.69	344.60
33 14 13 13-0184 EA 48" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,481.39 907.17 680.37	270.43
33 14 13 13-0185 EA 48" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,651.74 923.54 692.65	274.81
33 14 13 13-0186 EA 48" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,893.00 946.73 710.05	280.98
33 14 13 13-0187 EA 48" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,139.74 969.83 727.37	291.37
33 14 13 13-0188 EA 48" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,402.87 993.02 744.76	311.98
33 14 13 13-0189 EA 48" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,464.94 996.11 747.08	332.53
33 14 13 13-0190 EA 48" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,777.95 1,225.20 918.90	347.13
33 14 13 13-0191 EA 48" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,595.96 1,405.27 1,053.95	358.57
33 14 13 13-0192 EA 48" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,318.65 1,476.57 1,107.43	364.97

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0193 EA 48" x 48" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,571.44 1,500.30 1,125.23	375.16
33 14 13 13-0194 Mechanical Joint Ductile Iron Wye (Laterals) <small>(33 14 13 13-0002)</small>		
33 14 13 13-0195 EA 4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	186.13 14.46 10.85	27.41
33 14 13 13-0196 EA 6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	203.65 14.92 11.19	35.97
33 14 13 13-0197 EA 6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	279.25 21.83 16.37	40.25
33 14 13 13-0198 EA 8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	364.18 30.10 22.58	41.69
33 14 13 13-0199 EA 8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	321.55 25.19 18.89	45.96
33 14 13 13-0200 EA 8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	392.27 31.83 23.87	48.82
33 14 13 13-0201 EA 10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	572.97 50.66 37.99	43.83
33 14 13 13-0202 EA 10" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	605.36 53.29 39.97	47.80
33 14 13 13-0203 EA 10" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	698.51 62.21 46.65	50.46
33 14 13 13-0204 EA 10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	788.78 70.85 53.13	53.02
33 14 13 13-0205 EA 12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	735.60 66.12 49.59	49.13
33 14 13 13-0206 EA 12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	833.48 75.30 56.48	53.10
33 14 13 13-0207 EA 12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,009.39 92.49 69.37	55.76
33 14 13 13-0208 EA 12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,037.82 94.95 71.21	58.32
33 14 13 13-0209 EA 12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	935.43 84.31 63.23	60.97
33 14 13 13-0210 EA 14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,108.70 101.49 76.12	61.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0211 EA 14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,272.78 117.50 88.13	64.53
33 14 13 13-0212 EA 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,672.26 157.06 117.80	67.10
33 14 13 13-0213 EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,792.69 168.70 126.53	69.75
33 14 13 13-0214 EA 14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,748.40 163.61 122.71	74.13
33 14 13 13-0215 EA 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,132.86 102.04 76.53	74.23
33 14 13 13-0216 EA 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,249.65 113.32 84.99	76.88
33 14 13 13-0217 EA 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,479.98 135.96 101.97	79.44
33 14 13 13-0218 EA 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,659.52 153.51 115.13	82.09
33 14 13 13-0219 EA 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,086.33 195.53 146.65	86.48
33 14 13 13-0220 EA 16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,006.55 186.62 139.96	92.65
33 14 13 13-0221 EA 18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,796.38 165.25 123.93	94.99
33 14 13 13-0222 EA 18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,936.82 178.89 134.17	97.65
33 14 13 13-0223 EA 18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,072.57 192.07 144.06	100.21
33 14 13 13-0224 EA 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,220.28 206.44 154.83	102.86
33 14 13 13-0225 EA 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,243.30 208.08 156.06	107.25
33 14 13 13-0226 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,263.55 209.17 156.88	113.42
33 14 13 13-0227 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,059.21 187.16 140.37	123.80
33 14 13 13-0228 EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,118.04 191.16 143.37	136.22

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0229 EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,164.81	138.88
For Cement Mortar Lining (CML), Add	195.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	146.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,383.32	141.44
For Cement Mortar Lining (CML), Add	216.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	162.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,600.14	144.09
For Cement Mortar Lining (CML), Add	238.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	2,624.98	148.48
For Cement Mortar Lining (CML), Add	240.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	180.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	2,653.43	154.65
For Cement Mortar Lining (CML), Add	241.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	181.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234 EA 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	3,082.05	165.03
For Cement Mortar Lining (CML), Add	283.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	212.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235 EA 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	2,904.10	185.64
For Cement Mortar Lining (CML), Add	262.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	196.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236 EA 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,568.65	177.33
For Cement Mortar Lining (CML), Add	230.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	172.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237 EA 24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,601.78	179.98
For Cement Mortar Lining (CML), Add	232.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	174.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238 EA 24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,906.68	182.54
For Cement Mortar Lining (CML), Add	263.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	197.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239 EA 24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,045.29	185.19
For Cement Mortar Lining (CML), Add	276.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	207.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240 EA 24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,528.48	189.58
For Cement Mortar Lining (CML), Add	324.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	243.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241 EA 24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	3,927.98	195.74
For Cement Mortar Lining (CML), Add	363.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	272.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242 EA 24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,402.08	206.13
For Cement Mortar Lining (CML), Add	408.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	306.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243 EA 24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	4,836.19	226.75
For Cement Mortar Lining (CML), Add	449.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	336.95	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244 EA 24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	4,267.10	247.30
For Cement Mortar Lining (CML), Add	389.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	291.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245 EA 30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,386.70	206.53
For Cement Mortar Lining (CML), Add	507.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	380.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246 EA 30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	6,050.97	209.19
For Cement Mortar Lining (CML), Add	573.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	430.05	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0247 EA 30" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,407.71 608.69 456.52	211.75
33 14 13 13-0248 EA 30" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,764.59 643.97 482.98	214.40
33 14 13 13-0249 EA 30" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,270.52 693.90 520.43	218.78
33 14 13 13-0250 EA 30" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,814.63 747.38 560.53	224.96
33 14 13 13-0251 EA 30" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,009.52 765.29 573.97	235.34
33 14 13 13-0252 EA 30" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,290.84 790.30 592.73	255.96
33 14 13 13-0253 EA 30" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,683.03 826.41 619.81	276.51
33 14 13 13-0254 EA 30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,415.42 897.44 673.08	291.11
33 14 13 13-0255 EA 36" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,373.34 1,001.38 751.04	237.27
33 14 13 13-0256 EA 36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,782.88 1,041.67 781.25	241.66
33 14 13 13-0257 EA 36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,189.65 1,081.42 811.06	247.83
33 14 13 13-0258 EA 36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,975.68 1,158.45 868.83	258.21
33 14 13 13-0259 EA 36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,779.93 1,235.75 926.81	278.83
33 14 13 13-0260 EA 36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,181.60 1,372.80 1,029.60	299.38
33 14 13 13-0261 EA 36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,898.01 1,542.23 1,156.67	313.98
33 14 13 13-0262 EA 36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,999.24 1,850.62 1,387.96	325.42
33 14 13 13-0263 EA 42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,715.36 1,627.35 1,220.51	291.61
33 14 13 13-0264 EA 42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,125.73 1,665.28 1,248.96	312.16

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0265 EA 42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	18,297.39	326.76
For Cement Mortar Lining (CML), Add	1,780.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,335.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266 EA 42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	20,943.00	338.20
For Cement Mortar Lining (CML), Add	2,043.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,532.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267 EA 42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	24,730.49	344.60
For Cement Mortar Lining (CML), Add	2,420.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,815.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268 EA 48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	16,477.02	311.98
For Cement Mortar Lining (CML), Add	1,600.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,200.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269 EA 48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	18,672.63	332.53
For Cement Mortar Lining (CML), Add	1,816.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,362.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270 EA 48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	19,905.23	347.13
For Cement Mortar Lining (CML), Add	1,937.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,453.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271 EA 48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	22,709.98	358.57
For Cement Mortar Lining (CML), Add	2,216.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,662.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272 EA 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	29,749.64	364.97
For Cement Mortar Lining (CML), Add	2,919.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,189.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273 EA 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	32,675.28	375.15
For Cement Mortar Lining (CML), Add	3,210.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,408.02	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274 Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)		
33 14 13 13-0275 EA 4" x 4" Mechanical Joint Ductile Iron Cross	241.98	34.25
For Cement Mortar Lining (CML), Add	19.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276 EA 6" x 4" Mechanical Joint Ductile Iron Cross	276.56	45.68
For Cement Mortar Lining (CML), Add	20.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277 EA 6" x 6" Mechanical Joint Ductile Iron Cross	319.32	57.10
For Cement Mortar Lining (CML), Add	23.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278 EA 8" x 4" Mechanical Joint Ductile Iron Cross	282.15	49.96
For Cement Mortar Lining (CML), Add	20.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279 EA 8" x 6" Mechanical Joint Ductile Iron Cross	334.00	61.38
For Cement Mortar Lining (CML), Add	24.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.08	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280 EA 8" x 8" Mechanical Joint Ductile Iron Cross	353.23	65.66
For Cement Mortar Lining (CML), Add	25.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281 EA 10" x 4" Mechanical Joint Ductile Iron Cross.....	346.85	51.26
For Cement Mortar Lining (CML), Add	26.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282 EA 10" x 6" Mechanical Joint Ductile Iron Cross.....	395.67	61.87
For Cement Mortar Lining (CML), Add	30.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.64	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0283 EA 10" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	474.46 37.47 28.10	65.85
33 14 13 13-0284 EA 10" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	513.65 40.65 30.49	70.70
33 14 13 13-0285 EA 12 x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	424.48 34.01 25.51	55.68
33 14 13 13-0286 EA 12" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	492.39 39.20 29.40	66.28
33 14 13 13-0287 EA 12" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	724.87 61.84 46.38	70.26
33 14 13 13-0288 EA 12" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	732.24 61.84 46.38	75.13
33 14 13 13-0289 EA 12" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	834.41 71.39 53.54	79.53
33 14 13 13-0290 EA 14" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	859.84 74.94 56.20	72.90
33 14 13 13-0291 EA 14" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,016.84 90.04 67.53	76.88
33 14 13 13-0292 EA 14" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,042.39 91.85 68.89	81.74
33 14 13 13-0293 EA 14" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,100.00 96.95 72.71	86.16
33 14 13 13-0294 EA 14" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,218.27 107.77 80.83	92.79
33 14 13 13-0295 EA 16" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	983.93 85.94 64.46	82.18
33 14 13 13-0296 EA 16" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,123.65 99.31 74.48	86.16
33 14 13 13-0297 EA 16" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,351.63 121.37 91.03	91.02
33 14 13 13-0298 EA 16" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,509.66 136.51 102.38	95.43
33 14 13 13-0299 EA 16" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,830.73 167.61 125.71	102.05
33 14 13 13-0300 EA 16" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,147.61 197.89 148.42	111.34

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0301 EA 18" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,648.71 150.15 112.61	97.17
33 14 13 13-0302 EA 18" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,743.87 159.06 119.30	101.15
33 14 13 13-0303 EA 18" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,825.80 166.52 124.89	106.01
33 14 13 13-0304 EA 18" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,981.64 181.43 136.07	110.42
33 14 13 13-0305 EA 18" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,318.17 214.08 160.56	117.05
33 14 13 13-0306 EA 18" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,466.82 227.54 170.66	126.32
33 14 13 13-0307 EA 18" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,578.66 236.45 177.34	141.31
33 14 13 13-0308 EA 20" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,072.72 188.80 141.60	121.91
33 14 13 13-0309 EA 20" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,168.78 197.80 148.35	125.90
33 14 13 13-0310 EA 20" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,235.28 203.72 152.79	130.76
33 14 13 13-0311 EA 20" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,390.19 218.54 163.90	135.17
33 14 13 13-0312 EA 20" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,430.25 221.54 166.16	141.80
33 14 13 13-0313 EA 20" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,949.94 272.10 204.08	151.07
33 14 13 13-0314 EA 20" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,061.78 281.02 210.76	166.06
33 14 13 13-0315 EA 20" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,307.54 301.84 226.38	190.80
33 14 13 13-0316 EA 24" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,832.99 260.19 195.14	152.51
33 14 13 13-0317 EA 24" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,899.16 266.19 199.64	156.49
33 14 13 13-0318 EA 24" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,010.09 276.56 207.42	161.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0319 EA 24" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,105.89 285.47 214.10	165.76
33 14 13 13-0320 EA 24" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,160.49 289.93 217.45	172.39
33 14 13 13-0321 EA 24" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,279.13 300.39 225.29	181.67
33 14 13 13-0322 EA 24" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,357.71 405.97 304.48	196.65
33 14 13 13-0323 EA 24" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,588.00 425.25 318.94	221.40
33 14 13 13-0324 EA 24" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,050.88 466.91 350.18	252.01
33 14 13 13-0325 EA 30" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,464.68 515.74 386.81	202.78
33 14 13 13-0326 EA 30" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,573.00 525.84 394.38	207.65
33 14 13 13-0327 EA 30" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,679.73 535.84 401.88	212.06
33 14 13 13-0328 EA 30" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,805.27 547.39 410.54	218.69
33 14 13 13-0329 EA 30" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,948.46 560.31 420.23	227.96
33 14 13 13-0330 EA 30" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,114.86 574.68 431.01	242.95
33 14 13 13-0331 EA 30" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,324.25 591.86 443.90	267.70
33 14 13 13-0332 EA 30" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,154.01 770.21 577.65	298.29
33 14 13 13-0333 EA 30" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,375.51 885.34 664.01	344.60
33 14 13 13-0334 EA 36" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,660.47 732.74 549.55	219.85
33 14 13 13-0335 EA 36" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,767.88 742.74 557.06	224.71
33 14 13 13-0336 EA 36" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,860.05 751.29 563.47	229.12

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0337 EA 36" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,970.12 761.29 570.97	235.75
33 14 13 13-0338 EA 36" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,098.76 772.75 579.56	245.03
33 14 13 13-0339 EA 36" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,249.71 785.57 589.18	260.01
33 14 13 13-0340 EA 36" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,444.54 801.31 600.98	284.77
33 14 13 13-0341 EA 36" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,791.01 831.32 623.49	315.36
33 14 13 13-0342 EA 36" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,875.04 1,132.71 849.53	361.65
33 14 13 13-0343 EA 36" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,057.70 1,248.39 936.29	378.74
33 14 13 13-0344 EA 42" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,312.30 995.02 746.26	239.00
33 14 13 13-0345 EA 42" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,673.53 1,130.14 847.60	245.62
33 14 13 13-0346 EA 42" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,541.01 1,015.48 761.61	254.89
33 14 13 13-0347 EA 42" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,673.76 1,026.49 769.86	269.89
33 14 13 13-0348 EA 42" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,861.32 1,041.49 781.12	294.64
33 14 13 13-0349 EA 42" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,181.42 1,068.87 801.65	325.23
33 14 13 13-0350 EA 42" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,340.02 1,377.71 1,033.28	371.52
33 14 13 13-0351 EA 42" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,781.22 1,819.24 1,364.43	388.59
33 14 13 13-0352 EA 42" x 42" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,134.85 1,953.11 1,464.83	398.47
33 14 13 13-0353 EA 48" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,966.67 1,354.52 1,015.89	278.17
33 14 13 13-0354 EA 48" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,058.56 1,362.71 1,022.03	284.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0355 EA 48" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,181.74 1,373.62 1,030.21	294.07
33 14 13 13-0356 EA 48" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,313.59 1,384.53 1,038.40	309.06
33 14 13 13-0357 EA 48" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,488.42 1,398.26 1,048.70	333.81
33 14 13 13-0358 EA 48" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,793.96 1,424.18 1,068.14	364.40
33 14 13 13-0359 EA 48" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,643.50 1,502.12 1,126.59	410.70
33 14 13 13-0360 EA 48" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,208.89 1,856.08 1,392.06	427.76
33 14 13 13-0361 EA 48" x 42" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,759.60 2,409.65 1,807.24	437.63
33 14 13 13-0362 EA 48" x 48" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,363.19 2,564.08 1,923.06	476.79
33 14 13 13-0363 Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)		
33 14 13 13-0364 EA 6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	97.83 6.37 4.77	22.56
33 14 13 13-0365 EA 8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	125.85 8.73 6.55	25.41
33 14 13 13-0366 EA 8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	137.75 9.28 6.96	29.69
33 14 13 13-0367 EA 10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	153.31 11.37 8.53	26.16
33 14 13 13-0368 EA 10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	165.71 12.01 9.00	30.14
33 14 13 13-0369 EA 10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	181.54 13.19 9.89	32.78
33 14 13 13-0370 EA 12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	187.34 14.37 10.78	28.81
33 14 13 13-0371 EA 12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	207.91 15.82 11.87	32.78
33 14 13 13-0372 EA 12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	216.48 16.28 12.21	35.44

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0373 EA 12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	237.64	38.00
For Cement Mortar Lining (CML), Add	18.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374 EA 14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	407.36	37.17
For Cement Mortar Lining (CML), Add	35.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0375 EA 14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	393.20	39.83
For Cement Mortar Lining (CML), Add	33.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376 EA 14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	347.97	42.38
For Cement Mortar Lining (CML), Add	28.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377 EA 14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	365.62	45.04
For Cement Mortar Lining (CML), Add	29.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378 EA 16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	478.56	43.34
For Cement Mortar Lining (CML), Add	41.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0379 EA 16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	467.12	45.99
For Cement Mortar Lining (CML), Add	39.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380 EA 16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	456.44	48.56
For Cement Mortar Lining (CML), Add	38.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381 EA 16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	495.93	51.21
For Cement Mortar Lining (CML), Add	41.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382 EA 16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	552.59	55.59
For Cement Mortar Lining (CML), Add	46.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383 EA 18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	595.62	56.38
For Cement Mortar Lining (CML), Add	51.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384 EA 18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	670.44	58.94
For Cement Mortar Lining (CML), Add	58.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385 EA 18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	643.53	61.59
For Cement Mortar Lining (CML), Add	55.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386 EA 18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	682.01	65.98
For Cement Mortar Lining (CML), Add	58.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387 EA 18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	716.83	72.16
For Cement Mortar Lining (CML), Add	60.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388 EA 20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	842.39	76.99
For Cement Mortar Lining (CML), Add	72.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389 EA 20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	804.43	79.55
For Cement Mortar Lining (CML), Add	68.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390 EA 20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	736.61	82.21
For Cement Mortar Lining (CML), Add	61.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.90	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0391 EA 20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	738.71 60.75 45.56	86.59
33 14 13 13-0392 EA 20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	760.80 62.02 46.52	92.77
33 14 13 13-0393 EA 20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	917.48 76.12 57.09	103.15
33 14 13 13-0394 EA 24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,093.33 93.76 70.32	102.76
33 14 13 13-0395 EA 24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,123.62 96.13 72.10	107.14
33 14 13 13-0396 EA 24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,145.70 97.40 73.05	113.32
33 14 13 13-0397 EA 24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,118.70 93.13 69.85	123.69
33 14 13 13-0398 EA 24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,371.83 115.32 86.49	144.32
33 14 13 13-0399 EA 30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,308.27 211.45 158.58	127.92
33 14 13 13-0400 EA 30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,407.68 219.81 164.86	138.31
33 14 13 13-0401 EA 30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,317.04 207.63 155.72	158.92
33 14 13 13-0402 EA 30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,249.04 197.71 148.28	179.47
33 14 13 13-0403 EA 36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,474.80 321.67 241.25	170.36
33 14 13 13-0404 EA 36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,842.96 255.37 191.53	190.91
33 14 13 13-0405 EA 36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,088.81 277.74 208.31	205.51
33 14 13 13-0406 EA 42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,564.32 434.35 325.76	145.75
33 14 13 13-0407 EA 42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,540.03 430.35 322.76	156.13
33 14 13 13-0408 EA 42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,556.71 428.89 321.67	176.75

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0409 EA 42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,085.32	197.30
For Cement Mortar Lining (CML), Add	478.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	358.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410 EA 42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,163.45	211.90
For Cement Mortar Lining (CML), Add	384.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	288.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411 EA 42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,357.20	223.33
For Cement Mortar Lining (CML), Add	401.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	301.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412 EA 48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,174.90	155.94
For Cement Mortar Lining (CML), Add	593.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	445.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413 EA 48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,977.83	166.31
For Cement Mortar Lining (CML), Add	572.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	429.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414 EA 48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,681.67	186.93
For Cement Mortar Lining (CML), Add	539.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	404.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415 EA 48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,850.12	207.48
For Cement Mortar Lining (CML), Add	553.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	415.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416 EA 48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,006.32	222.09
For Cement Mortar Lining (CML), Add	666.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	500.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417 EA 48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,113.30	233.52
For Cement Mortar Lining (CML), Add	575.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	431.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418 EA 48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,721.41	239.91
For Cement Mortar Lining (CML), Add	635.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	476.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419 Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)		
33 14 13 13-0420 EA 4" Mechanical Joint Ductile Iron Caps.....	87.99	41.87
For Cement Mortar Lining (CML), Add	2.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421 EA 6" Mechanical Joint Ductile Iron Caps.....	122.95	52.34
For Cement Mortar Lining (CML), Add	4.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422 EA 8" Mechanical Joint Ductile Iron Caps.....	163.39	59.82
For Cement Mortar Lining (CML), Add	7.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423 EA 10" Mechanical Joint Ductile Iron Caps.....	225.74	88.36
For Cement Mortar Lining (CML), Add	9.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424 EA 12" Mechanical Joint Ductile Iron Caps.....	283.39	96.41
For Cement Mortar Lining (CML), Add	13.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425 EA 14" Mechanical Joint Ductile Iron Caps.....	368.93	106.04
For Cement Mortar Lining (CML), Add	20.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426 EA 16" Mechanical Joint Ductile Iron Caps.....	457.72	117.81
For Cement Mortar Lining (CML), Add	27.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.94	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0427 EA 18" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	541.88 34.10 25.58	132.55
33 14 13 13-0428 EA 20" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	670.61 44.11 33.08	151.47
33 14 13 13-0429 EA 24" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	873.47 60.57 45.43	176.74
33 14 13 13-0430 EA 30" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,706.42 138.51 103.88	212.08
33 14 13 13-0431 EA 36" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,920.82 251.92 188.94	265.10
33 14 13 13-0432 EA 42" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,302.57 382.06 286.54	318.12
33 14 13 13-0433 EA 48" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,139.15 460.36 345.27	353.48
33 14 13 13-0434 Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)		
33 14 13 13-0435 EA 4" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	93.45 3.00 2.25	41.87
33 14 13 13-0436 EA 6" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	137.50 5.82 4.37	52.34
33 14 13 13-0437 EA 8" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	177.94 8.73 6.55	59.82
33 14 13 13-0438 EA 10" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	284.86 15.10 11.32	88.36
33 14 13 13-0439 EA 12" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	299.76 15.37 11.53	96.41
33 14 13 13-0440 EA 14" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	473.52 31.29 23.46	106.04
33 14 13 13-0441 EA 16" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	218.54 4.00 3.00	117.81
33 14 13 13-0442 EA 18" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	697.39 49.66 37.24	132.55
33 14 13 13-0443 EA 20" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	882.51 65.30 48.97	151.47
33 14 13 13-0444 EA 24" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,173.58 90.58 67.94	176.74

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0445 EA 30" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,119.30 179.80 134.85	212.08
33 14 13 13-0446 EA 36" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,179.10 277.74 208.31	265.10
33 14 13 13-0447 EA 42" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,335.31 385.33 289.00	318.12
33 14 13 13-0448 EA 48" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,672.08 513.65 385.24	353.48
33 14 13 13-0449 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0002)</small>		
33 14 13 13-0450 EA 4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	158.82 6.37 4.77	62.81
33 14 13 13-0451 EA 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	207.17 8.82 6.62	78.51
33 14 13 13-0452 EA 8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	269.63 13.37 10.03	89.71
33 14 13 13-0453 EA 10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	433.66 23.28 17.46	132.55
33 14 13 13-0454 EA 12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	517.39 29.83 22.37	144.60
33 14 13 13-0455 EA 14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	714.83 47.38 35.54	159.06
33 14 13 13-0456 EA 16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	808.90 54.11 40.58	176.74
33 14 13 13-0457 EA 18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,128.85 82.76 62.07	198.83
33 14 13 13-0458 EA 20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,330.13 98.58 73.94	227.23
33 14 13 13-0459 EA 24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,615.77 121.41 91.06	265.10
33 14 13 13-0460 EA 30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,716.50 223.45 167.59	318.12
33 14 13 13-0461 EA 36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,804.66 320.21 240.16	397.65
33 14 13 13-0462 EA 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,153.02 446.44 334.83	454.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0463 EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,394.59 559.12 419.34	530.21
33 14 13 13-0464 Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)		
33 14 13 13-0465 EA 4" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	154.27 5.91 4.43	62.81
33 14 13 13-0466 EA 6" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	218.08 9.91 7.43	78.51
33 14 13 13-0467 EA 8" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	298.73 16.28 12.21	89.71
33 14 13 13-0468 EA 10" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	394.55 19.37 14.53	132.55
33 14 13 13-0469 EA 12" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	481.01 26.19 19.64	144.60
33 14 13 13-0470 EA 14" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	636.62 39.56 29.67	159.06
33 14 13 13-0471 EA 16" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	768.88 50.11 37.58	176.74
33 14 13 13-0472 EA 18" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	942.42 64.12 48.09	198.83
33 14 13 13-0473 EA 20" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,118.23 77.39 58.04	227.23
33 14 13 13-0474 EA 24" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,421.15 101.95 76.46	265.10
33 14 13 13-0475 EA 30" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,617.38 213.54 160.15	318.12
33 14 13 13-0476 EA 36" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,600.94 299.84 224.88	397.65
33 14 13 13-0477 EA 42" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,698.43 401.06 300.80	453.93
33 14 13 13-0478 EA 48" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,437.33 563.40 422.55	530.21
33 14 13 13-0479 Mechanical Joint Ductile Iron Gland Packs (33 14 13 13-0002) Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0480 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 14 13 13-0479) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0481 EA 4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	23.51	
33 14 13 13-0482 EA 6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	28.41	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0483	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	33.31	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0484	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	46.04	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0485	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	48.98	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0486	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	80.33	
Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0487	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	85.23	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0488	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	113.63	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0489	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	146.94	
Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0490	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	204.74	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0491	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	488.82	
Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.				
33 14 13 13-0492	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,054.05	
Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.				
33 14 13 13-0493	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,538.95	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.				
33 14 13 13-0494	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,888.67	
Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.				

33 14 13 13-0495 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts (33 14 13 13-0479)

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0496	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	33.31	
Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0497	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	42.12	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0498	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	46.04	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0499	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	63.67	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0500	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	66.61	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0501	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	100.90	
Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0502	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	110.69	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0503	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	146.94	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0504	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	190.04	
Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0505	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	265.47	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.				

33 14 13 13-0506 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 14 13 13-0479)

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0507	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	25.47	
Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0508	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	30.37	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0509	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	36.25	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0510	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	49.96	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0511	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	52.90	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0512	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	87.18	
Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0513	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	92.08	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0514	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	124.41	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0515	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	159.67	
Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0516	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	223.35	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.				
33 14 13 13-0517	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	534.86	
Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.				
33 14 13 13-0518	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,185.32	
Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.				
33 14 13 13-0519	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,716.26	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.				
33 14 13 13-0520	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	2,112.02	
Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.				

33 14 13 13-0521 Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100) (33 14 13 13-0002)

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-0522	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100).....	115.11	32.23
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0523	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	142.89	39.88
33 14 13	13-0524	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	182.42	46.54
33 14 13	13-0525	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	260.36	66.28
33 14 13	13-0526	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	329.19	75.76
33 14 13	13-0527	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	392.43	81.54
33 14 13	13-0528	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	500.26	88.36
33 14 13	13-0529	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	652.00	106.04
33 14 13	13-0530	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	779.69	117.77
33 14 13	13-0531	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	1,035.94	135.89
33 14 13	13-0532	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	2,149.54	162.96
33 14 13	13-0533	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	2,650.80	203.93
33 14 13	13-0534	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	4,002.29	235.30
33 14 13	13-0535	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	5,123.59	302.62
33 14 13	13-0536		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small>		
			Note :		
33 14 13	13-0537		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0536)</small>		
33 14 13	13-0538	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	260.03	18.60
33 14 13	13-0539	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	404.40	27.25
33 14 13	13-0540	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	555.86	32.44
33 14 13	13-0541	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	766.43	35.34
33 14 13	13-0542	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	973.92	41.37
33 14 13	13-0543	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,392.62	46.59
33 14 13	13-0544	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,691.86	53.02
33 14 13	13-0545	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,037.74	74.31
33 14 13	13-0546	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,539.68	92.79
33 14 13	13-0547	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,595.81	123.72
33 14 13	13-0548	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,800.26	132.55
33 14 13	13-0549	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	8,580.78	137.77
33 14 13	13-0550	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	14,181.82	159.06
33 14 13	13-0551	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	18,577.06	169.10
33 14 13	13-0552		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0536)</small>		
33 14 13	13-0553	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	242.75	18.60
33 14 13	13-0554	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	374.39	27.25
33 14 13	13-0555	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	509.48	32.44
33 14 13	13-0556	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	668.21	35.34
33 14 13	13-0557	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	885.70	41.37
33 14 13	13-0558	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,203.45	46.59
33 14 13	13-0559	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,442.67	53.02
33 14 13	13-0560	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,698.52	74.31
33 14 13	13-0561	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,060.41	92.79
33 14 13	13-0562	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,714.56	123.72
33 14 13	13-0563	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,057.25	132.55
33 14 13	13-0564	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	7,022.91	137.77
33 14 13	13-0565	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,465.84	159.06
33 14 13	13-0566	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	13,420.53	169.10
33 14 13	13-0567		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <small>(33 14 13 13-0536)</small>		
33 14 13	13-0568	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	240.02	18.60
33 14 13	13-0569	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	363.47	27.25
33 14 13	13-0570	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	505.84	32.44
33 14 13	13-0571	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	667.30	35.34
33 14 13	13-0572	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	832.96	41.37
33 14 13	13-0573	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,210.73	46.59
33 14 13	13-0574	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,409.93	53.02
33 14 13	13-0575	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,690.34	74.31
33 14 13	13-0576	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,135.89	92.79
33 14 13	13-0577	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,654.54	123.72
33 14 13	13-0578	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,490.67	132.55
33 14 13	13-0579	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	6,158.95	137.77
33 14 13	13-0580	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	8,838.86	159.06
33 14 13	13-0581	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	11,340.64	169.10
33 14 13	13-0582		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <small>(33 14 13 13-0536)</small>		
33 14 13	13-0583	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	290.04	18.60
33 14 13	13-0584	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	367.11	27.25
33 14 13	13-0585	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	489.47	32.44
33 14 13	13-0586	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	665.48	35.34
33 14 13	13-0587	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	808.40	41.37
33 14 13	13-0588	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,306.22	46.59
33 14 13	13-0589	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,454.49	53.02
33 14 13	13-0590	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,948.62	74.31

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0591	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,057.68	92.79
33 14 13 13-0592	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,655.45	123.72
33 14 13 13-0593	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,550.69	132.55
33 14 13 13-0594	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,987.06	137.77
33 14 13 13-0595	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	8,593.31	159.06
33 14 13 13-0596	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	11,275.17	169.10

33 14 13 13-0597 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0536)

33 14 13 13-0598	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	280.94	18.60
33 14 13 13-0599	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	438.96	27.25
33 14 13 13-0600	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	599.51	32.44
33 14 13 13-0601	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	830.09	35.34
33 14 13 13-0602	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,043.95	41.37
33 14 13 13-0603	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,895.54	46.59
33 14 13 13-0604	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,971.44	53.02
33 14 13 13-0605	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,386.44	74.31
33 14 13 13-0606	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,898.39	92.79
33 14 13 13-0607	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,199.68	123.72

33 14 13 13-0608 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow (33 14 13 13-0536)

33 14 13 13-0609	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	246.39	18.60
33 14 13 13-0610	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	388.94	27.25
33 14 13 13-0611	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	554.04	32.44
33 14 13 13-0612	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	738.24	35.34
33 14 13 13-0613	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	963.92	41.37
33 14 13 13-0614	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,290.76	46.59
33 14 13 13-0615	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,552.71	53.02
33 14 13 13-0616	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,922.62	74.31
33 14 13 13-0617	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,056.24	92.79
33 14 13 13-0618	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,164.74	123.72

33 14 13 13-0619 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee (33 14 13 13-0536)

33 14 13 13-0620	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	305.27	27.25
33 14 13 13-0621	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	475.57	35.90
33 14 13 13-0622	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	500.24	40.23
33 14 13 13-0623	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	585.18	41.53
33 14 13 13-0624	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	632.58	45.85
33 14 13 13-0625	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	696.94	48.88
33 14 13 13-0626	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	791.23	43.78
33 14 13 13-0627	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	787.25	47.80
33 14 13 13-0628	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	854.02	50.61
33 14 13 13-0629	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	922.47	53.02
33 14 13 13-0630	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	954.78	49.00
33 14 13 13-0631	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	960.80	53.02
33 14 13 13-0632	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,040.31	55.83
33 14 13 13-0633	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,203.33	58.24
33 14 13 13-0634	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,204.63	61.05
33 14 13 13-0635	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,369.70	61.85
33 14 13 13-0636	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,483.77	64.67
33 14 13 13-0637	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,808.68	67.08
33 14 13 13-0638	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,910.01	69.90
33 14 13 13-0639	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,762.95	74.31
33 14 13 13-0640	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,638.47	74.31
33 14 13 13-0641	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,728.02	76.72
33 14 13 13-0642	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,082.03	79.53
33 14 13 13-0643	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,947.82	81.94
33 14 13 13-0644	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,555.60	86.36
33 14 13 13-0645	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,302.12	92.79
33 14 13 13-0646	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,152.88	95.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0647 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,272.40	97.60
33 14 13 13-0648 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,424.52	100.02
33 14 13 13-0649 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,564.96	102.83
33 14 13 13-0650 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,634.36	107.25
33 14 13 13-0651 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,815.58	113.27
33 14 13 13-0652 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,145.08	123.72
33 14 13 13-0653 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,456.35	136.17
33 14 13 13-0654 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,497.66	138.98
33 14 13 13-0655 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,752.56	141.39
33 14 13 13-0656 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,891.16	144.20
33 14 13 13-0657 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,917.82	148.62
33 14 13 13-0658 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,875.33	154.64
33 14 13 13-0659 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,698.65	165.09
33 14 13 13-0660 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,122.37	185.57
33 14 13 13-0661 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,973.35	177.13
33 14 13 13-0662 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,001.02	180.35
33 14 13 13-0663 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,055.83	182.36
33 14 13 13-0664 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,138.05	185.18
33 14 13 13-0665 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,583.96	189.59
33 14 13 13-0666 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,739.73	195.61
33 14 13 13-0667 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,626.71	206.06
33 14 13 13-0668 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,767.08	226.95
33 14 13 13-0669 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,448.08	247.44
33 14 13 13-0670 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,276.65	206.46
33 14 13 13-0671 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,015.12	209.27
33 14 13 13-0672 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,307.29	211.69
33 14 13 13-0673 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,600.51	214.50
33 14 13 13-0674 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,016.40	218.91
33 14 13 13-0675 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,464.11	291.22
33 14 13 13-0676 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,427.09	235.38
33 14 13 13-0677 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,404.67	255.86
33 14 13 13-0678 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,665.89	276.35
33 14 13 13-0679 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,984.87	291.22
33 14 13 13-0680 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,432.64	232.16
33 14 13 13-0681 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,096.78	234.58
33 14 13 13-0682 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,454.57	237.39
33 14 13 13-0683 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,705.86	241.81
33 14 13 13-0684 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,957.12	247.83
33 14 13 13-0685 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,442.12	258.28
33 14 13 13-0686 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,943.53	278.76
33 14 13 13-0687 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,808.63	299.25
33 14 13 13-0688 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,965.74	325.35
33 14 13 13-0689 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,509.10	325.35
33 14 13 13-0690 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,192.87	250.25
33 14 13 13-0691 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,458.72	254.26
33 14 13 13-0692 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,815.85	260.69
33 14 13 13-0693 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,906.93	271.13
33 14 13 13-0694 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,938.17	291.61
33 14 13 13-0695 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,959.06	312.10
33 14 13 13-0696 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,202.18	326.97
33 14 13 13-0697 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,644.46	338.21
33 14 13 13-0698 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,607.23	344.63
33 14 13 13-0699 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,400.94	270.33
33 14 13 13-0700 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,677.69	274.75
33 14 13 13-0701 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,070.83	281.17
33 14 13 13-0702 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,467.62	291.22
33 14 13 13-0703 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,882.63	312.10
33 14 13 13-0704 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,984.70	332.59
33 14 13 13-0705 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,222.76	347.05
33 14 13 13-0706 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,595.96	358.69
33 14 13 13-0707 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,367.09	365.12
33 14 13 13-0708 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	24,553.07	375.16
33 14 13 13-0709 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0536)		
33 14 13 13-0710 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	388.94	27.25
33 14 13 13-0711 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	477.39	35.90
33 14 13 13-0712 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	586.64	40.23
33 14 13 13-0713 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	778.89	41.53
33 14 13 13-0714 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	712.61	45.85
33 14 13 13-0715 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	803.34	48.88
33 14 13 13-0716 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,154.10	43.78
33 14 13 13-0717 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,200.14	47.80
33 14 13 13-0718 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,345.12	50.61
33 14 13 13-0719 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,469.95	53.02
33 14 13 13-0720 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,412.23	49.00
33 14 13 13-0721 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,603.77	53.02
33 14 13 13-0722 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,904.28	55.83
33 14 13 13-0723 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,903.60	58.24
33 14 13 13-0724 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,750.29	61.05
33 14 13 13-0725 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,089.98	61.85
33 14 13 13-0726 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,408.67	64.67
33 14 13 13-0727 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,190.12	67.08

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0728	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,423.32	69.90
33 14 13 13-0729	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,329.92	74.31
33 14 13 13-0730	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,166.89	74.31
33 14 13 13-0731	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,398.27	76.72
33 14 13 13-0732	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,857.78	79.53
33 14 13 13-0733	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,948.20	81.94
33 14 13 13-0734	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,666.02	86.36
33 14 13 13-0735	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,457.11	92.79
33 14 13 13-0736	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,080.51	95.20
33 14 13 13-0737	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,327.35	97.60
33 14 13 13-0738	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,565.87	100.02
33 14 13 13-0739	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,824.53	102.83
33 14 13 13-0740	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,860.28	107.25
33 14 13 13-0741	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,899.63	113.27
33 14 13 13-0742	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,514.31	123.72
33 14 13 13-0743	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,604.07	136.17
33 14 13 13-0744	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,683.57	138.98
33 14 13 13-0745	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,069.43	141.39
33 14 13 13-0746	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,451.76	144.20
33 14 13 13-0747	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,490.24	148.62
33 14 13 13-0748	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,534.15	154.64
33 14 13 13-0749	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,282.89	165.09
33 14 13 13-0750	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,943.07	185.57
33 14 13 13-0751	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,356.61	177.13
33 14 13 13-0752	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,412.47	179.95
33 14 13 13-0753	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,951.10	182.36
33 14 13 13-0754	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,194.29	185.18
33 14 13 13-0755	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,047.63	189.59
33 14 13 13-0756	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,750.89	195.61
33 14 13 13-0757	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,580.57	206.06
33 14 13 13-0758	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,328.44	226.95
33 14 13 13-0759	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,292.81	247.44
33 14 13 13-0760	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,330.94	206.46
33 14 13 13-0761	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,508.13	209.27
33 14 13 13-0762	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,138.62	211.69
33 14 13 13-0763	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,770.15	214.50
33 14 13 13-0764	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,664.41	218.91
33 14 13 13-0765	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,624.13	224.94
33 14 13 13-0766	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,958.16	235.38
33 14 13 13-0767	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,434.11	255.86
33 14 13 13-0768	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,106.41	276.35
33 14 13 13-0769	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,390.83	291.22
33 14 13 13-0770	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,157.24	237.39
33 14 13 13-0771	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,879.62	241.81
33 14 13 13-0772	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,595.60	247.83
33 14 13 13-0773	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,980.04	258.28
33 14 13 13-0774	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,385.44	278.76
33 14 13 13-0775	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	24,852.06	299.25
33 14 13 13-0776	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,885.34	314.11
33 14 13 13-0777	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	33,383.86	325.35
33 14 13 13-0778	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,364.76	291.61
33 14 13 13-0779	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,069.79	312.10
33 14 13 13-0780	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	32,134.52	326.97
33 14 13 13-0781	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	36,823.64	338.21
33 14 13 13-0782	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	43,547.72	344.63
33 14 13 13-0783	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	28,917.24	312.10
33 14 13 13-0784	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	32,795.33	332.59
33 14 13 13-0785	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	34,968.28	347.05
33 14 13 13-0786	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,940.23	358.69
33 14 13 13-0787	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	52,443.81	365.12
33 14 13 13-0788	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	57,631.22	375.16

33 14 13 13-0789 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee

(33 14 13 13-0536)

33 14 13 13-0790	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	533.89	40.23
33 14 13 13-0791	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	667.14	45.85
33 14 13 13-0792	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	969.14	47.80
33 14 13 13-0793	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,117.22	53.02
33 14 13 13-0794	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,485.20	61.85
33 14 13 13-0795	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,810.39	74.31
33 14 13 13-0796	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,130.15	95.20
33 14 13 13-0797	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,855.60	136.17
33 14 13 13-0798	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,323.37	177.13
33 14 13 13-0799	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	6,130.62	206.46



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

33 14 13 13-0800

Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross

Table with 3 columns: Item ID, Description, and Cost. Lists various sizes of ceramic epoxy lined ductile iron crosses from 4" x 4" to 48" x 14".

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0881 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	22,724.11	294.03
33 14 13 13-0882 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	22,924.17	308.88
33 14 13 13-0883 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	23,184.49	333.79
33 14 13 13-0884 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	23,651.00	364.32
33 14 13 13-0885 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	24,985.27	410.51
33 14 13 13-0886 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	30,752.41	427.79
33 14 13 13-0887 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	39,745.35	437.83
33 14 13 13-0888 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	42,309.31	476.79
33 14 13 13-0889 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers <small>(33 14 13 13-0536)</small>		
33 14 13 13-0890 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	328.83	22.49
33 14 13 13-0891 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	435.06	25.52
33 14 13 13-0892 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	449.69	29.84
33 14 13 13-0893 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	535.27	26.10
33 14 13 13-0894 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	557.67	30.12
33 14 13 13-0895 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	578.96	32.94
33 14 13 13-0896 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	620.23	28.92
33 14 13 13-0897 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	685.37	32.94
33 14 13 13-0898 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	694.85	35.34
33 14 13 13-0899 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	725.10	38.16
33 14 13 13-0900 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,084.90	37.35
33 14 13 13-0901 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,088.92	39.77
33 14 13 13-0902 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	940.92	42.57
33 14 13 13-0903 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	958.57	44.99
33 14 13 13-0904 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,301.60	43.38
33 14 13 13-0905 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,259.24	46.20
33 14 13 13-0906 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,177.63	48.60
33 14 13 13-0907 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,160.73	51.01
33 14 13 13-0908 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,314.70	55.43
33 14 13 13-0909 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,406.84	56.24
33 14 13 13-0910 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,590.80	59.04
33 14 13 13-0911 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,514.77	61.46
33 14 13 13-0912 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,817.90	65.87
33 14 13 13-0913 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,578.98	72.30
33 14 13 13-0914 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,871.88	77.12
33 14 13 13-0915 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,884.84	79.53
33 14 13 13-0916 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,703.35	82.34
33 14 13 13-0917 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,698.17	86.76
33 14 13 13-0918 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,649.32	92.79
33 14 13 13-0919 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,956.97	103.23
33 14 13 13-0920 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,352.91	102.83
33 14 13 13-0921 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,385.01	107.25
33 14 13 13-0922 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,423.46	113.27
33 14 13 13-0923 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,375.54	123.72
33 14 13 13-0924 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,738.72	144.20
33 14 13 13-0925 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,346.32	127.73
33 14 13 13-0926 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,526.67	138.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0927 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,337.82	159.06
33 14 13 13-0928 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,635.94	179.55
33 14 13 13-0929 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,731.12	170.31
33 14 13 13-0930 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,297.54	190.80
33 14 13 13-0931 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,654.34	205.65
33 14 13 13-0932 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,575.86	145.81
33 14 13 13-0933 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,515.19	156.25
33 14 13 13-0934 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,518.23	176.74
33 14 13 13-0935 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,839.49	197.22
33 14 13 13-0936 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,177.34	212.08
33 14 13 13-0937 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,509.31	223.33
33 14 13 13-0938 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,833.05	155.85
33 14 13 13-0939 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,468.65	166.29
33 14 13 13-0940 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,916.02	186.78
33 14 13 13-0941 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,191.79	207.66
33 14 13 13-0942 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,237.42	222.12
33 14 13 13-0943 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,545.00	233.37
33 14 13 13-0944 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,613.28	239.80
33 14 13 13-0945 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps <small>(33 14 13 13-0536)</small>		
33 14 13 13-0946 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	216.23	41.95
33 14 13 13-0947 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	323.03	52.34
33 14 13 13-0948 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	440.76	59.69
33 14 13 13-0949 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	574.97	88.36
33 14 13 13-0950 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	737.20	96.41
33 14 13 13-0951 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	840.93	106.04
33 14 13 13-0952 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,032.48	117.69
33 14 13 13-0953 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,213.96	132.55
33 14 13 13-0954 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,470.92	151.44
33 14 13 13-0955 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,900.22	176.74
33 14 13 13-0956 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,536.21	212.08
33 14 13 13-0957 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	5,863.77	265.10
33 14 13 13-0958 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	8,503.27	318.12
33 14 13 13-0959 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	10,145.61	353.48
33 14 13 13-0960 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug <small>(33 14 13 13-0536)</small>		
33 14 13 13-0961 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	225.32	41.95
33 14 13 13-0962 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	346.68	52.34
33 14 13 13-0963 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	464.41	59.69
33 14 13 13-0964 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	710.47	88.36
33 14 13 13-0965 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	768.12	96.41
33 14 13 13-0966 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,038.28	106.04
33 14 13 13-0967 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,260.75	117.69
33 14 13 13-0968 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,505.89	132.55
33 14 13 13-0969 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,865.61	151.44
33 14 13 13-0970 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,462.26	176.74
33 14 13 13-0971 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	4,312.87	212.08
33 14 13 13-0972 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	6,346.68	265.10
33 14 13 13-0973 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	8,564.20	318.12
33 14 13 13-0974 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	11,437.93	353.48
33 14 13 13-0975 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0536)</small>		
33 14 13 13-0976 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	323.43	62.72
33 14 13 13-0977 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	450.90	78.72
33 14 13 13-0978 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	602.48	89.54
33 14 13 13-0979 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	881.10	132.55

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0980 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,063.05	144.60
33 14 13 13-0981 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,414.19	159.06
33 14 13 13-0982 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,608.29	176.74
33 14 13 13-0983 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,136.51	198.83
33 14 13 13-0984 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,480.57	227.35
33 14 13 13-0985 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,010.85	265.10
33 14 13 13-0986 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,815.49	318.12
33 14 13 13-0987 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,578.45	397.65
33 14 13 13-0988 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	9,019.96	454.30
33 14 13 13-0989 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	11,238.26	530.21
33 14 13 13-0990 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves <small>(33 14 13 13-0536)</small>		
33 14 13 13-0991 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	309.79	62.72
33 14 13 13-0992 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	466.36	78.72
33 14 13 13-0993 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	644.32	89.54
33 14 13 13-0994 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	822.90	132.55
33 14 13 13-0995 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,008.48	144.60
33 14 13 13-0996 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,297.78	159.06
33 14 13 13-0997 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,546.45	176.74
33 14 13 13-0998 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,856.40	198.83
33 14 13 13-0999 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,165.00	227.35
33 14 13 13-1000 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,721.65	265.10
33 14 13 13-1001 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,665.43	318.12
33 14 13 13-1002 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	6,077.35	397.65
33 14 13 13-1003 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	7,962.41	453.89
33 14 13 13-1004 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	11,943.08	530.21
33 14 13 13-1005 Push-On Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small>		
33 14 13 13-1006 Push-On Joint Ductile Iron Pipe <small>(33 14 13 13-1005)</small>		
Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.		
33 14 13 13-1007 LF 4" Push-On Joint Ductile Iron Pipe	19.27	3.57
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.70	
For Cement Mortar Lining (CML), Add	1.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.04	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-0.96	
For Class 51, Add	1.26	
For Class 52, Add	2.84	
For Class 53, Add	7.63	
For Class 54, Add	10.89	
For Class 55, Add	12.51	
For Class 56, Add	14.11	
33 14 13 13-1008 LF 6" Push-On Joint Ductile Iron Pipe	21.13	3.94
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	10.65	
For Cement Mortar Lining (CML), Add	1.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.14	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.06	
For Class 51, Add	1.39	
For Class 52, Add	3.12	
For Class 53, Add	8.37	
For Class 54, Add	11.95	
For Class 55, Add	13.73	
For Class 56, Add	15.48	
33 14 13 13-1009 LF 8" Push-On Joint Ductile Iron Pipe	27.29	4.32
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.56	
For Cement Mortar Lining (CML), Add	2.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.56	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.36	
For Class 51, Add	1.88	
For Class 52, Add	4.22	
For Class 53, Add	11.39	
For Class 54, Add	16.27	
For Class 55, Add	18.68	
For Class 56, Add	21.05	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1010 LF 10" Push-On Joint Ductile Iron Pipe.....	38.37	5.98
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.60	
For Cement Mortar Lining (CML), Add	2.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.20	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.92	
For Class 51, Add	2.64	
For Class 52, Add	5.95	
For Class 53, Add	16.06	
For Class 54, Add	22.93	
For Class 55, Add	26.33	
For Class 56, Add	29.67	
33 14 13 13-1011 LF 12" Push-On Joint Ductile Iron Pipe.....	45.01	6.63
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.49	
For Cement Mortar Lining (CML), Add	3.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.62	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.25	
For Class 51, Add	3.14	
For Class 52, Add	7.07	
For Class 53, Add	19.12	
For Class 54, Add	27.30	
For Class 55, Add	31.35	
For Class 56, Add	35.32	
33 14 13 13-1012 LF 14" Push-On Joint Ductile Iron Pipe.....	55.87	7.47
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	19.62	
For Cement Mortar Lining (CML), Add	4.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.34	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.79	
For Class 51, Add	3.99	
For Class 52, Add	8.98	
For Class 53, Add	24.31	
For Class 54, Add	34.73	
For Class 55, Add	39.87	
For Class 56, Add	44.91	
33 14 13 13-1013 LF 16" Push-On Joint Ductile Iron Pipe.....	66.72	8.52
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.07	
For Cement Mortar Lining (CML), Add	5.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.04	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.34	
For Class 51, Add	4.81	
For Class 52, Add	10.82	
For Class 53, Add	29.33	
For Class 54, Add	41.90	
For Class 55, Add	48.10	
For Class 56, Add	54.18	
33 14 13 13-1014 LF 18" Push-On Joint Ductile Iron Pipe.....	77.58	9.96
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.63	
For Cement Mortar Lining (CML), Add	6.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.69	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.88	
For Class 51, Add	5.58	
For Class 52, Add	12.57	
For Class 53, Add	34.06	
For Class 54, Add	48.66	
For Class 55, Add	55.86	
For Class 56, Add	62.92	
33 14 13 13-1015 LF 20" Push-On Joint Ductile Iron Pipe.....	88.78	11.93
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.87	
For Cement Mortar Lining (CML), Add	7.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.30	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.44	
For Class 51, Add	6.33	
For Class 52, Add	14.25	
For Class 53, Add	38.57	
For Class 54, Add	55.10	
For Class 55, Add	63.25	
For Class 56, Add	71.25	
33 14 13 13-1016 LF 24" Push-On Joint Ductile Iron Pipe.....	112.58	14.90
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	27.89	
For Cement Mortar Lining (CML), Add	9.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.75	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.63	
For Class 51, Add	8.05	
For Class 52, Add	18.12	
For Class 53, Add	49.06	
For Class 54, Add	70.08	
For Class 55, Add	80.45	
For Class 56, Add	90.63	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1017 LF 30" Push-On Joint Ductile Iron Pipe.....	136.08	15.91
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	34.71	
For Cement Mortar Lining (CML), Add	11.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.40	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.80	
For Class 51, Add	9.97	
For Class 52, Add	22.45	
For Class 53, Add	60.91	
For Class 54, Add	87.03	
For Class 55, Add	99.88	
For Class 56, Add	112.50	
33 14 13 13-1018 LF 36" Push-On Joint Ductile Iron Pipe.....	173.03	16.91
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	45.70	
For Cement Mortar Lining (CML), Add	14.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.06	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.65	
For Class 51, Add	13.04	
For Class 52, Add	29.40	
For Class 53, Add	79.96	
For Class 54, Add	114.26	
For Class 55, Add	131.10	
For Class 56, Add	147.64	
33 14 13 13-1019 LF 42" Push-On Joint Ductile Iron Pipe.....	215.08	17.92
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	58.27	
For Cement Mortar Lining (CML), Add	18.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.10	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.75	
For Class 51, Add	16.56	
For Class 52, Add	37.35	
For Class 53, Add	101.75	
For Class 54, Add	145.42	
For Class 55, Add	166.83	
For Class 56, Add	187.84	
33 14 13 13-1020 LF 48" Push-On Joint Ductile Iron Pipe.....	262.98	18.87
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	72.65	
For Cement Mortar Lining (CML), Add	23.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.58	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.15	
For Class 51, Add	20.58	
For Class 52, Add	46.44	
For Class 53, Add	126.66	
For Class 54, Add	181.03	
For Class 55, Add	207.66	
For Class 56, Add	233.79	
33 14 13 13-1021 LF 54" Push-On Joint Ductile Iron Pipe.....	339.67	19.88
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	95.96	
For Cement Mortar Lining (CML), Add	30.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.22	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-16.98	
For Class 51, Add	27.09	
For Class 52, Add	61.15	
For Class 53, Add	167.02	
For Class 54, Add	238.75	
For Class 55, Add	273.82	
For Class 56, Add	308.25	
33 14 13 13-1022 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1005)		
33 14 13 13-1023 EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron	137.54	13.92
For Cement Mortar Lining (CML), Add	11.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1024 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron	198.98	20.54
For Cement Mortar Lining (CML), Add	16.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1025 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron	269.80	24.39
For Cement Mortar Lining (CML), Add	23.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1026 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron	406.62	26.43
For Cement Mortar Lining (CML), Add	35.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.40	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1027 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	529.75 46.57 34.92	31.01
33 14 13 13-1028 EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,093.16 102.12 76.59	34.78
33 14 13 13-1029 EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,235.09 115.29 86.47	39.77
33 14 13 13-1030 EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,934.46 181.94 136.46	55.68
33 14 13 13-1031 EA 20" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,166.99 202.67 152.00	70.17
33 14 13 13-1032 EA 24" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,705.65 253.02 189.77	87.73
33 14 13 13-1033 Push-On Joint Ductile Iron 45 Degree Elbow (33 14 13 13-1005)		
33 14 13 13-1034 EA 4" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	111.07 9.00 6.75	13.92
33 14 13 13-1035 EA 6" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	163.38 13.22 9.92	20.54
33 14 13 13-1036 EA 8" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	231.49 19.45 14.59	24.39
33 14 13 13-1037 EA 10" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	353.74 29.91 22.43	26.43
33 14 13 13-1038 EA 12" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	462.36 39.83 29.87	31.01
33 14 13 13-1039 EA 14" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	672.39 60.05 45.04	34.78
33 14 13 13-1040 EA 16" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,014.76 93.26 69.95	39.77
33 14 13 13-1041 EA 18" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,150.65 103.56 77.67	55.68
33 14 13 13-1042 EA 20" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,630.34 149.00 111.75	70.17
33 14 13 13-1043 EA 24" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,022.15 184.67 138.51	87.73
33 14 13 13-1044 Push-On Joint Ductile Iron Tee (33 14 13 13-1005)		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1045 EA 4" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	211.18 18.00 13.50	20.54
33 14 13 13-1046 EA 6" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	292.11 24.64 18.48	30.19
33 14 13 13-1047 EA 8" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	404.75 34.93 26.19	36.59
33 14 13 13-1048 EA 10" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	609.82 54.96 41.22	40.17
33 14 13 13-1049 EA 12" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	763.34 69.31 51.98	46.32
33 14 13 13-1050 EA 14" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,253.41 116.91 87.68	55.68
33 14 13 13-1051 EA 16" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,825.43 172.00 129.00	69.61
33 14 13 13-1052 EA 18" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,287.56 214.69 161.01	92.86
33 14 13 13-1053 EA 20" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,690.82 251.91 188.94	113.32
33 14 13 13-1054 EA 24" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,532.87 331.83 248.87	141.63
33 14 13 13-1055 Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1005)		
33 14 13 13-1056 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	189.64 11.65 8.73	48.31
33 14 13 13-1057 EA 6" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	231.78 14.12 10.59	59.82
33 14 13 13-1058 EA 8" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	308.64 20.29 15.22	69.77
33 14 13 13-1059 EA 10" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	415.28 26.47 19.85	99.41
33 14 13 13-1060 EA 12" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	507.37 33.52 25.14	113.63
33 14 13 13-1061 EA 14" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	591.20 40.58 30.44	122.35
33 14 13 13-1062 EA 16" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	712.51 51.17 38.38	132.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1063 EA 18" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	840.90 59.99 44.99	159.06
33 14 13 13-1064 EA 20" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	982.36 71.46 53.59	176.74
33 14 13 13-1065 EA 24" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,244.11 93.51 70.13	203.93
33 14 13 13-1066 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,049.06 167.83 125.87	244.70
33 14 13 13-1067 EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,858.10 239.46 179.60	305.88
33 14 13 13-1068 EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,636.30 310.07 232.56	353.48
33 14 13 13-1069 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,638.69 395.01 296.26	454.45
33 14 13 13-1070 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,651.40 484.78 363.59	530.33
33 14 13 13-1071 Push-On Joint Ductile Iron Pipe And Fitting Restraints (33 14 13 13-1005) Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1072 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	25.55	5.24
33 14 13 13-1073 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	29.38	5.24
33 14 13 13-1074 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	38.32	7.23
33 14 13 13-1075 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	47.39	7.96
33 14 13 13-1076 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	57.46	8.83
33 14 13 13-1077 EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	74.69	9.92
33 14 13 13-1078 EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	88.75	11.37
33 14 13 13-1079 EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	102.35	13.26
33 14 13 13-1080 EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	118.66	15.91
33 14 13 13-1081 EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	145.68	15.91
33 14 13 13-1082 EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	194.78	19.88
33 14 13 13-1083 EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	257.54	19.88
33 14 13 13-1084 EA 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	329.62	26.51
33 14 13 13-1085 EA 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	385.39	26.51
33 14 13 13-1086 EA 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	539.72	26.51
33 14 13 13-1087 Push-On Joint Ductile Iron Bell Restraint Harness (Megalug 1700) (33 14 13 13-1005)		
33 14 13 13-1088 EA 4" Bell Restraint Harness, Ductile Iron (Megalug 1700)	116.65	27.11
33 14 13 13-1089 EA 6" Bell Restraint Harness, Ductile Iron (Megalug 1700)	157.45	33.09
33 14 13 13-1090 EA 8" Bell Restraint Harness, Ductile Iron (Megalug 1700)	205.49	40.37
33 14 13 13-1091 EA 10" Bell Restraint Harness, Ductile Iron (Megalug 1700)	323.64	49.25
33 14 13 13-1092 EA 12" Bell Restraint Harness, Ductile Iron (Megalug 1700)	402.60	60.05
33 14 13 13-1093 EA 14" Bell Restraint Harness, Ductile Iron (Megalug 1700)	730.78	73.27
33 14 13 13-1094 EA 16" Bell Restraint Harness, Ductile Iron (Megalug 1700)	827.28	89.42
33 14 13 13-1095 EA 18" Bell Restraint Harness, Ductile Iron (Megalug 1700)	929.81	109.06
33 14 13 13-1096 EA 20" Bell Restraint Harness, Ductile Iron (Megalug 1700)	1,282.65	133.08
33 14 13 13-1097 EA 24" Bell Restraint Harness, Ductile Iron (Megalug 1700)	1,644.75	162.32
33 14 13 13-1098 EA 30" Bell Restraint Harness, Ductile Iron (Megalug 1700)	2,938.89	198.07
33 14 13 13-1099 EA 36" Bell Restraint Harness, Ductile Iron (Megalug 1700)	4,217.77	241.61
33 14 13 13-1100 EA 42" Bell Restraint Harness, Ductile Iron (Megalug 1700)	7,837.28	294.78
33 14 13 13-1101 EA 48" Bell Restraint Harness, Ductile Iron (Megalug 1700)	10,165.45	359.62
33 14 13 13-1102 Ductile Iron Pipe Repair (33 14 13 13-0001) See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
33 14 13 13-1103 Ductile Iron Pipe Repair (33 14 13 13-1102) Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 14 13 13-1104 EA 30" Diameter Mechanical Ductile Iron Push Joint	1,971.27	
33 14 13 13-1105 EA 36" Diameter Mechanical Ductile Iron Push Joint	2,537.52	
33 14 13 13-1106 EA 42" Diameter Mechanical Ductile Iron Push Joint	3,306.54	
33 14 13 13-1107 EA 48" Diameter Mechanical Ductile Iron Push Joint	4,177.43	
33 14 13 13-1108 EA 54" Diameter Mechanical Ductile Iron Push Joint	6,156.76	

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-1109 WEKO Seals (33 14 13 13-1102)				
Note: Internal joint seal.				
33 14 13 13-1110	EA	16" WEKO Internal Joint Seal	1,257.67	86.91
		For Extra Wide Seals, Add	76.58	
33 14 13 13-1111	EA	18" WEKO Internal Joint Seal	1,340.68	91.77
		For Extra Wide Seals, Add	76.96	
33 14 13 13-1112	EA	20" WEKO Internal Joint Seal	1,423.61	96.64
		For Extra Wide Seals, Add	77.32	
33 14 13 13-1113	EA	24" WEKO Internal Joint Seal	1,506.27	104.37
		For Extra Wide Seals, Add	77.91	
33 14 13 13-1114	EA	30" WEKO Internal Joint Seal	1,550.59	112.10
		For Extra Wide Seals, Add	78.49	
33 14 13 13-1115	EA	36" WEKO Internal Joint Seal	1,622.75	121.76
		For Extra Wide Seals, Add	79.22	
33 14 13 13-1116	EA	42" WEKO Internal Joint Seal	1,726.62	133.35
		For Extra Wide Seals, Add	80.10	
33 14 13 13-1117	EA	48" WEKO Internal Joint Seal	1,865.91	143.02
		For Extra Wide Seals, Add	80.83	
33 14 13 13-1118	EA	54" WEKO Internal Joint Seal	1,933.24	150.75
		For Extra Wide Seals, Add	81.42	
33 14 13 13-1119	EA	60" WEKO Internal Joint Seal	2,010.26	162.34
		For Extra Wide Seals, Add	82.30	
33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)				
33 14 13 23-0001 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe (33 14 13 23)				
Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.				
33 14 13 23-0002 AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)				
33 14 13 23-0003	LF	4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	4.99	1.42
33 14 13 23-0004	LF	6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	7.81	1.72
33 14 13 23-0005	LF	8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	11.41	1.94
33 14 13 23-0006	LF	10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	15.67	2.16
33 14 13 23-0007	LF	12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	20.96	2.40
33 14 13 23-0008 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)				
33 14 13 23-0009	LF	4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	5.75	1.42
33 14 13 23-0010	LF	6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	9.41	1.72
33 14 13 23-0011	LF	8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	14.09	1.94
33 14 13 23-0012	LF	10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	19.85	2.16
33 14 13 23-0013	LF	12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	26.79	2.40
33 14 13 23-0014 AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)				
33 14 13 23-0015	LF	4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	6.51	1.42
33 14 13 23-0016	LF	6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	10.99	1.72
33 14 13 23-0017	LF	8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	16.78	1.94
33 14 13 23-0018	LF	10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	23.93	2.16
33 14 13 23-0019	LF	12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	32.62	2.40
33 14 13 23-0020 AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)				
33 14 13 23-0021	LF	18" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	25.14	3.61
33 14 13 23-0022	LF	20" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	30.71	4.30
33 14 13 23-0023	LF	24" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	41.55	5.16
33 14 13 23-0024	LF	30" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	60.84	6.03
33 14 13 23-0025	LF	36" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	84.81	6.88
33 14 13 23-0026	LF	42" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	108.26	7.31
33 14 13 23-0027	LF	48" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	137.92	7.87
33 14 13 23-0028 AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)				
33 14 13 23-0029	LF	14" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	18.55	2.71
33 14 13 23-0030	LF	16" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	23.48	3.01
33 14 13 23-0031	LF	18" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	29.18	3.61
33 14 13 23-0032	LF	20" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	35.95	4.30
33 14 13 23-0033	LF	24" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	49.64	5.16
33 14 13 23-0034	LF	30" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	72.44	6.03
33 14 13 23-0035	LF	36" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	100.34	6.88
33 14 13 23-0036	LF	42" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	134.09	7.31
33 14 13 23-0037	LF	48" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	171.44	7.87
33 14 13 23-0038 AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)				
33 14 13 23-0039	LF	14" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	21.66	2.71
33 14 13 23-0040	LF	16" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	27.80	3.01
33 14 13 23-0041	LF	18" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	34.54	3.61
33 14 13 23-0042	LF	20" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	42.91	4.30
33 14 13 23-0043	LF	24" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	59.62	5.16
33 14 13 23-0044	LF	30" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	87.44	6.03
33 14 13 23-0045	LF	36" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	122.23	6.88



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0046	LF	42" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	160.03	7.31
33 14 13 23-0047	LF	48" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	205.28	7.87
33 14 13 23-0048		AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0049	LF	14" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	26.97	2.71
33 14 13 23-0050	LF	16" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	34.11	3.01
33 14 13 23-0051	LF	18" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	42.66	3.61
33 14 13 23-0052	LF	20" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	52.72	4.30
33 14 13 23-0053	LF	24" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	73.77	5.16
33 14 13 23-0054	LF	30" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	109.64	6.03
33 14 13 23-0055	LF	36" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	156.37	6.88
33 14 13 23-0056	LF	42" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	210.09	7.31
33 14 13 23-0057	LF	48" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	272.46	7.87
33 14 13 23-0058		AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0059	LF	14" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	30.97	2.71
33 14 13 23-0060	LF	16" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	39.30	3.01
33 14 13 23-0061	LF	18" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	49.21	3.61
33 14 13 23-0062	LF	20" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	60.88	4.30
33 14 13 23-0063	LF	24" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	85.51	5.16
33 14 13 23-0064	LF	30" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	127.69	6.03
33 14 13 23-0065	LF	36" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	182.75	6.88
33 14 13 23-0066	LF	42" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	246.25	7.31
33 14 13 23-0067		AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0068	LF	14" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	34.86	2.71
33 14 13 23-0069	LF	16" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	44.35	3.01
33 14 13 23-0070	LF	18" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	55.58	3.61
33 14 13 23-0071	LF	20" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	68.82	4.30
33 14 13 23-0072	LF	24" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	96.93	5.16
33 14 13 23-0073	LF	30" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	145.26	6.03
33 14 13 23-0074	LF	36" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	208.42	6.88
33 14 13 23-0075		AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings (33 14 13 23)		
		Note: Includes rubber gaskets.		
33 14 13 23-0076		90 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0077	EA	4" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	136.73	4.42
		For DR 25, Deduct	-7.67	
33 14 13 23-0078	EA	6" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	289.11	4.98
		For DR 25, Deduct	-16.75	
33 14 13 23-0079	EA	8" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	438.65	5.53
		For DR 25, Deduct	-25.66	
33 14 13 23-0080	EA	10" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	670.20	9.33
		For DR 25, Deduct	-39.09	
33 14 13 23-0081	EA	12" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	741.86	15.55
		For DR 25, Deduct	-42.65	
33 14 13 23-0082	EA	14" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,307.43	19.43
		For DR 25, Deduct	-76.12	
33 14 13 23-0083	EA	16" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,559.97	23.32
		For DR 25, Deduct	-90.80	
33 14 13 23-0084	EA	18" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,694.76	31.08
		For DR 25, Deduct	-157.96	
33 14 13 23-0085	EA	20" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,316.17	38.85
		For DR 25, Deduct	-194.31	
33 14 13 23-0086	EA	24" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,528.93	52.46
		For DR 25, Deduct	-325.44	
33 14 13 23-0087		45 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0088	EA	4" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	120.03	4.42
		For DR 25, Deduct	-6.67	
33 14 13 23-0089	EA	6" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	213.38	4.98
		For DR 25, Deduct	-12.21	
33 14 13 23-0090	EA	8" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	272.15	5.53
		For DR 25, Deduct	-15.67	
33 14 13 23-0091	EA	10" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	383.87	9.33
		For DR 25, Deduct	-21.91	
33 14 13 23-0092	EA	12" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	507.06	15.55
		For DR 25, Deduct	-28.56	
33 14 13 23-0093	EA	14" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	995.73	19.43
		For DR 25, Deduct	-57.41	
33 14 13 23-0094	EA	16" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,264.70	23.32
		For DR 25, Deduct	-73.08	
33 14 13 23-0095	EA	18" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,201.09	31.08
		For DR 25, Deduct	-128.34	
33 14 13 23-0096	EA	20" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,733.36	38.85
		For DR 25, Deduct	-159.34	

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution



City of Miami

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0097 EA 24" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,862.08 -225.43	52.46
33 14 13 23-0098 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0099 EA 4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	118.00 -6.55	4.42
33 14 13 23-0100 EA 6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	213.38 -12.21	4.98
33 14 13 23-0101 EA 8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	272.15 -15.67	5.53
33 14 13 23-0102 EA 10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	383.87 -21.91	9.33
33 14 13 23-0103 EA 12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	507.06 -28.56	15.55
33 14 13 23-0104 EA 14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	994.17 -57.41	18.65
33 14 13 23-0105 EA 16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,264.70 -73.08	23.32
33 14 13 23-0106 EA 18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,201.09 -128.34	31.08
33 14 13 23-0107 EA 20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,733.36 -159.34	38.85
33 14 13 23-0108 EA 24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,862.08 -225.43	52.46
33 14 13 23-0109 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0110 EA 4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	103.05 -5.65	4.42
33 14 13 23-0111 EA 6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	213.38 -12.21	4.98
33 14 13 23-0112 EA 8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	272.15 -15.67	5.53
33 14 13 23-0113 EA 10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	383.87 -21.91	9.33
33 14 13 23-0114 EA 12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	507.06 -28.56	15.55
33 14 13 23-0115 EA 14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	994.17 -57.41	18.65
33 14 13 23-0116 EA 16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,264.70 -73.08	23.32
33 14 13 23-0117 EA 18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,201.09 -128.34	31.08
33 14 13 23-0118 EA 20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,733.36 -159.34	38.85
33 14 13 23-0119 EA 24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,862.08 -225.43	52.46
33 14 13 23-0120 Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0121 EA 4" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	163.13 -9.19	4.98
33 14 13 23-0122 EA 6" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	324.22 -18.79	5.53
33 14 13 23-0123 EA 8" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	455.69 -26.59	6.26
33 14 13 23-0124 EA 10" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	945.29 -55.32	11.65
33 14 13 23-0125 EA 12" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,135.66 -65.34	23.32
33 14 13 23-0126 EA 14" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,076.89 -121.12	29.14
33 14 13 23-0127 EA 16" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,574.65 -150.28	34.97
33 14 13 23-0128 EA 18" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,243.62 -189.02	46.63
33 14 13 23-0129 EA 20" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,890.62 -226.44	58.29
33 14 13 23-0130 EA 24" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,418.28 -320.34	39.63
33 14 13 23-0131 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0132 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	319.06 -18.28	7.18
33 14 13 23-0133 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	438.56 -25.39	7.74
33 14 13 23-0134 EA 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	449.36 -26.00	8.01
33 14 13 23-0135 EA 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,626.54 -276.19	11.65



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0136	EA 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	797.51		11.95
	<i>For DR 25, Deduct</i>	-46.42		
33 14 13 23-0137	EA 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	854.23		12.24
	<i>For DR 25, Deduct</i>	-49.79		
33 14 13 23-0138	EA 12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	895.87		17.87
	<i>For DR 25, Deduct</i>	-51.61		
33 14 13 23-0139	EA 12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,033.07		18.16
	<i>For DR 25, Deduct</i>	-59.80		
33 14 13 23-0140	EA 12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,097.59		18.46
	<i>For DR 25, Deduct</i>	-63.64		
33 14 13 23-0141	EA 12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,115.48		20.20
	<i>For DR 25, Deduct</i>	-64.50		
33 14 13 23-0142	EA 14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,713.43		20.98
	<i>For DR 25, Deduct</i>	-100.29		
33 14 13 23-0143	EA 14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,783.44		21.28
	<i>For DR 25, Deduct</i>	-104.45		
33 14 13 23-0144	EA 14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,853.64		21.57
	<i>For DR 25, Deduct</i>	-108.63		
33 14 13 23-0145	EA 14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,926.35		23.32
	<i>For DR 25, Deduct</i>	-112.78		
33 14 13 23-0146	EA 14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,002.04		26.42
	<i>For DR 25, Deduct</i>	-116.95		
33 14 13 23-0147	EA 16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,139.37		25.65
	<i>For DR 25, Deduct</i>	-125.28		
33 14 13 23-0148	EA 16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,208.79		25.65
	<i>For DR 25, Deduct</i>	-129.45		
33 14 13 23-0149	EA 16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,278.81		25.94
	<i>For DR 25, Deduct</i>	-133.62		
33 14 13 23-0150	EA 16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,348.85		26.22
	<i>For DR 25, Deduct</i>	-137.78		
33 14 13 23-0151	EA 16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,427.98		31.08
	<i>For DR 25, Deduct</i>	-141.95		
33 14 13 23-0152	EA 16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,500.52		32.64
	<i>For DR 25, Deduct</i>	-146.11		
33 14 13 23-0153	EA 18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,640.47		33.42
	<i>For DR 25, Deduct</i>	-154.42		
33 14 13 23-0154	EA 18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,710.98		33.71
	<i>For DR 25, Deduct</i>	-158.61		
33 14 13 23-0155	EA 18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,781.01		34.00
	<i>For DR 25, Deduct</i>	-162.78		
33 14 13 23-0156	EA 18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,853.94		35.75
	<i>For DR 25, Deduct</i>	-166.95		
33 14 13 23-0157	EA 18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,929.57		38.85
	<i>For DR 25, Deduct</i>	-171.11		
33 14 13 23-0158	EA 18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,001.63		40.42
	<i>For DR 25, Deduct</i>	-175.25		
33 14 13 23-0159	EA 18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,092.52		42.75
	<i>For DR 25, Deduct</i>	-180.42		
33 14 13 23-0160	EA 20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,351.32		41.19
	<i>For DR 25, Deduct</i>	-196.14		
33 14 13 23-0161	EA 20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,470.47		41.48
	<i>For DR 25, Deduct</i>	-203.25		
33 14 13 23-0162	EA 20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,517.01		41.77
	<i>For DR 25, Deduct</i>	-206.01		
33 14 13 23-0163	EA 20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,566.54		43.52
	<i>For DR 25, Deduct</i>	-208.77		
33 14 13 23-0164	EA 20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,618.73		46.63
	<i>For DR 25, Deduct</i>	-211.53		
33 14 13 23-0165	EA 20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,696.40		48.18
	<i>For DR 25, Deduct</i>	-216.00		
33 14 13 23-0166	EA 20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,775.63		50.52
	<i>For DR 25, Deduct</i>	-220.48		
33 14 13 23-0167	EA 20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,833.12		54.40
	<i>For DR 25, Deduct</i>	-223.46		
33 14 13 23-0168	EA 24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,933.34		54.79
	<i>For DR 25, Deduct</i>	-229.43		
33 14 13 23-0169	EA 24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,983.68		55.08
	<i>For DR 25, Deduct</i>	-232.41		
33 14 13 23-0170	EA 24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,033.99		55.38
	<i>For DR 25, Deduct</i>	-235.40		
33 14 13 23-0171	EA 24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,239.74		57.12
	<i>For DR 25, Deduct</i>	-247.53		
33 14 13 23-0172	EA 24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,448.19		60.23
	<i>For DR 25, Deduct</i>	-259.66		
33 14 13 23-0173	EA 24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,653.56		61.78
	<i>For DR 25, Deduct</i>	-271.80		
33 14 13 23-0174	EA 24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,860.47		64.11
	<i>For DR 25, Deduct</i>	-283.93		
33 14 13 23-0175	EA 24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,070.50		68.01
	<i>For DR 25, Deduct</i>	-296.07		
33 14 13 23-0176	EA 24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,280.52		71.89
	<i>For DR 25, Deduct</i>	-308.21		
33 14 13 23-0177	Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>			
33 14 13 23-0178	EA 4" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	221.94		8.84
	<i>For DR 25, Deduct</i>	-12.26		

33 Utilities
33 10 Water Utilities
33 14 Water Utility Transmission and Distribution



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0179	EA	6" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	411.90	9.94
		<i>For DR 25, Deduct</i>	-23.52	
33 14 13 23-0180	EA	8" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	576.33	11.05
		<i>For DR 25, Deduct</i>	-33.25	
33 14 13 23-0181	EA	10" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,189.29	18.65
		<i>For DR 25, Deduct</i>	-69.12	
33 14 13 23-0182	EA	12" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,408.18	23.32
		<i>For DR 25, Deduct</i>	-81.69	
33 14 13 23-0183	EA	14" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,585.56	31.08
		<i>For DR 25, Deduct</i>	-151.40	
33 14 13 23-0184	EA	16" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,208.16	38.85
		<i>For DR 25, Deduct</i>	-187.83	
33 14 13 23-0185	EA	18" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,062.91	62.17
		<i>For DR 25, Deduct</i>	-236.31	
33 14 13 23-0186	EA	20" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,873.07	77.72
		<i>For DR 25, Deduct</i>	-283.06	
33 14 13 23-0187	EA	24" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,883.20	104.92
		<i>For DR 25, Deduct</i>	-400.40	
33 14 13 23-0188		Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride		
		(PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0189	EA	6" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	399.96	9.39
		<i>For DR 25, Deduct</i>	-22.87	
33 14 13 23-0190	EA	8" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	549.41	9.94
		<i>For DR 25, Deduct</i>	-31.77	
33 14 13 23-0191	EA	8" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	562.78	10.49
		<i>For DR 25, Deduct</i>	-32.51	
33 14 13 23-0192	EA	10" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	851.44	13.99
		<i>For DR 25, Deduct</i>	-49.41	
33 14 13 23-0193	EA	10" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	996.28	14.57
		<i>For DR 25, Deduct</i>	-58.03	
33 14 13 23-0194	EA	10" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,096.15	15.16
		<i>For DR 25, Deduct</i>	-63.95	
33 14 13 23-0195	EA	12" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,115.92	20.20
		<i>For DR 25, Deduct</i>	-64.53	
33 14 13 23-0196	EA	12" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,287.44	20.79
		<i>For DR 25, Deduct</i>	-74.75	
33 14 13 23-0197	EA	12" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,368.56	21.37
		<i>For DR 25, Deduct</i>	-79.55	
33 14 13 23-0198	EA	12" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,393.46	24.87
		<i>For DR 25, Deduct</i>	-80.62	
33 14 13 23-0199	EA	14" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,135.94	23.32
		<i>For DR 25, Deduct</i>	-125.36	
33 14 13 23-0200	EA	14" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,223.64	23.90
		<i>For DR 25, Deduct</i>	-130.55	
33 14 13 23-0201	EA	14" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,312.31	24.48
		<i>For DR 25, Deduct</i>	-135.80	
33 14 13 23-0202	EA	14" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,406.42	27.98
		<i>For DR 25, Deduct</i>	-141.03	
33 14 13 23-0203	EA	14" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,505.33	34.20
		<i>For DR 25, Deduct</i>	-146.22	
33 14 13 23-0204	EA	16" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,665.63	27.98
		<i>For DR 25, Deduct</i>	-156.58	
33 14 13 23-0205	EA	16" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,754.51	28.56
		<i>For DR 25, Deduct</i>	-161.84	
33 14 13 23-0206	EA	16" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,842.42	29.14
		<i>For DR 25, Deduct</i>	-167.05	
33 14 13 23-0207	EA	16" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,936.46	32.64
		<i>For DR 25, Deduct</i>	-172.27	
33 14 13 23-0208	EA	16" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,973.56	38.85
		<i>For DR 25, Deduct</i>	-173.75	
33 14 13 23-0209	EA	16" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,128.25	41.97
		<i>For DR 25, Deduct</i>	-182.66	
33 14 13 23-0210	EA	18" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,288.98	35.75
		<i>For DR 25, Deduct</i>	-193.05	
33 14 13 23-0211	EA	18" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,377.64	36.34
		<i>For DR 25, Deduct</i>	-198.30	
33 14 13 23-0212	EA	18" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,465.69	36.91
		<i>For DR 25, Deduct</i>	-203.51	
33 14 13 23-0213	EA	18" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,558.43	40.42
		<i>For DR 25, Deduct</i>	-208.66	
33 14 13 23-0214	EA	18" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,658.36	46.63
		<i>For DR 25, Deduct</i>	-213.91	
33 14 13 23-0215	EA	18" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,751.06	49.74
		<i>For DR 25, Deduct</i>	-219.10	
33 14 13 23-0216	EA	18" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,868.00	54.40
		<i>For DR 25, Deduct</i>	-225.55	
33 14 13 23-0217	EA	20" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,173.63	43.52
		<i>For DR 25, Deduct</i>	-245.20	
33 14 13 23-0218	EA	20" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,322.76	44.10
		<i>For DR 25, Deduct</i>	-254.07	
33 14 13 23-0219	EA	20" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,381.81	44.69
		<i>For DR 25, Deduct</i>	-257.55	
33 14 13 23-0220	EA	20" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,446.07	48.18
		<i>For DR 25, Deduct</i>	-260.98	
33 14 13 23-0221	EA	20" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,515.78	54.40
		<i>For DR 25, Deduct</i>	-264.42	



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0222 EA 20" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,614.55	57.51
<i>For DR 25, Deduct</i>	-269.97	
33 14 13 23-0223 EA 20" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,718.27	62.17
<i>For DR 25, Deduct</i>	-275.64	
33 14 13 23-0224 EA 20" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,795.79	69.95
<i>For DR 25, Deduct</i>	-279.35	
33 14 13 23-0225 EA 24" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,866.35	57.12
<i>For DR 25, Deduct</i>	-285.13	
33 14 13 23-0226 EA 24" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,957.60	57.70
<i>For DR 25, Deduct</i>	-290.53	
33 14 13 23-0227 EA 24" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,021.19	58.29
<i>For DR 25, Deduct</i>	-294.28	
33 14 13 23-0228 EA 24" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,280.71	61.78
<i>For DR 25, Deduct</i>	-309.43	
33 14 13 23-0229 EA 24" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,545.75	68.01
<i>For DR 25, Deduct</i>	-324.59	
33 14 13 23-0230 EA 24" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,804.53	71.11
<i>For DR 25, Deduct</i>	-339.74	
33 14 13 23-0231 EA 24" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,067.51	75.78
<i>For DR 25, Deduct</i>	-354.96	
33 14 13 23-0232 EA 24" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,335.06	83.54
<i>For DR 25, Deduct</i>	-370.08	
33 14 13 23-0233 EA 24" x 20" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,603.72	91.31
<i>For DR 25, Deduct</i>	-385.26	
33 14 13 23-0234 Couplings, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0235 EA 4" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	77.72	4.42
<i>For DR 25, Deduct</i>	-4.13	
33 14 13 23-0236 EA 6" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	152.11	4.98
<i>For DR 25, Deduct</i>	-8.53	
33 14 13 23-0237 EA 8" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	184.11	5.53
<i>For DR 25, Deduct</i>	-10.38	
33 14 13 23-0238 EA 10" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	260.74	9.33
<i>For DR 25, Deduct</i>	-14.52	
33 14 13 23-0239 EA 12" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	421.10	11.65
<i>For DR 25, Deduct</i>	-23.87	
33 14 13 23-0240 EA 14" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	739.91	15.55
<i>For DR 25, Deduct</i>	-42.53	
33 14 13 23-0241 EA 16" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	874.47	19.43
<i>For DR 25, Deduct</i>	-50.14	
33 14 13 23-0242 EA 18" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,224.26	31.08
<i>For DR 25, Deduct</i>	-123.73	
33 14 13 23-0243 EA 20" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,373.47	38.85
<i>For DR 25, Deduct</i>	-137.75	
33 14 13 23-0244 EA 24" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,346.39	52.46
<i>For DR 25, Deduct</i>	-194.49	
33 14 13 23-0245 Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0246 EA 4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	98.69	4.42
<i>For DR 25, Deduct</i>	-5.39	
33 14 13 23-0247 EA 6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	136.37	4.98
<i>For DR 25, Deduct</i>	-7.59	
33 14 13 23-0248 EA 8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	202.04	5.53
<i>For DR 25, Deduct</i>	-11.46	
33 14 13 23-0249 EA 10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	274.72	9.33
<i>For DR 25, Deduct</i>	-15.36	
33 14 13 23-0250 EA 12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	439.05	15.55
<i>For DR 25, Deduct</i>	-24.48	
33 14 13 23-0251 EA 14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,210.47	18.65
<i>For DR 25, Deduct</i>	-70.39	
33 14 13 23-0252 EA 16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,642.42	23.32
<i>For DR 25, Deduct</i>	-95.75	
33 14 13 23-0253 EA 18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,018.99	31.08
<i>For DR 25, Deduct</i>	-117.41	
33 14 13 23-0254 EA 20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,408.72	38.85
<i>For DR 25, Deduct</i>	-139.86	
33 14 13 23-0255 EA 24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,272.83	52.46
<i>For DR 25, Deduct</i>	-190.07	
33 14 13 23-0256 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping <small>(33 14 13 23)</small>		
33 14 13 23-0257 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <small>(33 14 13 23-0256)</small>		
33 14 13 23-0258 LF 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	0.90	0.30
<i>For >1,000, Deduct</i>	-0.05	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.02	
33 14 13 23-0259 LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	1.00	0.32
<i>For >1,000, Deduct</i>	-0.05	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.03	
33 14 13 23-0260 LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	1.19	0.35
<i>For >1,000, Deduct</i>	-0.06	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.05	

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14	13 23-0261	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe..... For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.40	0.38
				-0.07	
				0.07	
				1.91	0.43
				-0.10	
				0.13	
				2.54	0.48
				-0.13	
				0.20	
				3.10	0.52
				-0.16	
				0.27	
				4.56	0.64
				-0.23	
				0.44	
				8.48	0.82
				-0.42	
				0.97	
				14.05	1.25
				-0.70	
				1.64	
				21.17	1.66
				-1.06	
				2.55	
				29.56	2.24
				-1.48	
				3.59	
33 14	13 23-0270		90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
	33 14 13 23-0271	EA	3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	9.02	3.54
	33 14 13 23-0272	EA	1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	11.45	4.42
	33 14 13 23-0273	EA	1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	14.48	5.53
	33 14 13 23-0274	EA	1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	24.68	6.11
	33 14 13 23-0275	EA	2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	26.45	6.85
	33 14 13 23-0276	EA	2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	31.71	7.78
	33 14 13 23-0277	EA	3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	34.62	8.33
	33 14 13 23-0278	EA	4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	49.99	10.24
	33 14 13 23-0279	EA	6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	74.59	13.00
	33 14 13 23-0280	EA	8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	126.78	17.07
	33 14 13 23-0281	EA	10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	153.16	22.83
	33 14 13 23-0282	EA	12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	201.64	30.73
33 14	13 23-0283		45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
	33 14 13 23-0284	EA	3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	9.27	3.54
	33 14 13 23-0285	EA	1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	11.63	4.42
	33 14 13 23-0286	EA	1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	14.59	5.53
	33 14 13 23-0287	EA	1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	21.37	6.11
	33 14 13 23-0288	EA	2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	26.75	6.85
	33 14 13 23-0289	EA	2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	32.96	7.78
	33 14 13 23-0290	EA	3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	34.09	8.33
	33 14 13 23-0291	EA	4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	48.85	10.24
	33 14 13 23-0292	EA	6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	72.29	13.00
	33 14 13 23-0293	EA	8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	122.41	17.07
	33 14 13 23-0294	EA	10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	135.04	22.83
	33 14 13 23-0295	EA	12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	176.57	30.73
33 14	13 23-0296		Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
	33 14 13 23-0297	EA	3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	13.50	5.30
	33 14 13 23-0298	EA	1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	17.10	6.67
	33 14 13 23-0299	EA	1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	21.49	8.32
	33 14 13 23-0300	EA	1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	32.95	9.21
	33 14 13 23-0301	EA	2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	37.80	10.24
	33 14 13 23-0302	EA	2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	44.34	11.67
	33 14 13 23-0303	EA	3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	53.33	12.47
	33 14 13 23-0304	EA	4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	71.62	15.36
	33 14 13 23-0305	EA	6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	127.72	19.53
	33 14 13 23-0306	EA	8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	196.92	25.59
	33 14 13 23-0307	EA	10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	233.87	39.91
	33 14 13 23-0308	EA	12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	288.20	53.71
33 14	13 23-0309		Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
	33 14 13 23-0310	EA	3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	6.05	2.36
	33 14 13 23-0311	EA	1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	8.19	3.17
	33 14 13 23-0312	EA	1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	11.03	4.16
	33 14 13 23-0313	EA	1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	17.00	4.61
	33 14 13 23-0314	EA	2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	18.66	5.12
	33 14 13 23-0315	EA	2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	21.24	5.82
	33 14 13 23-0316	EA	3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	23.91	6.23
	33 14 13 23-0317	EA	4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	34.16	7.67
	33 14 13 23-0318	EA	6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	50.68	9.77
	33 14 13 23-0319	EA	8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	91.87	12.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0320 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	109.83	19.97
33 14 13 23-0321 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	138.37	26.85
33 14 13 23-0322 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings <small>(33 14 13 23)</small>		
33 14 13 23-0323 Schedule 40 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0322)</small>		
33 14 13 23-0324 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	1.02	0.30
<i>For >1,000, Deduct</i>	-0.05	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.04	
33 14 13 23-0325 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	1.24	0.32
<i>For >1,000, Deduct</i>	-0.06	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.07	
33 14 13 23-0326 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	1.63	0.38
<i>For >1,000, Deduct</i>	-0.08	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.10	
33 14 13 23-0327 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	1.99	0.43
<i>For >1,000, Deduct</i>	-0.10	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.14	
33 14 13 23-0328 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.67	0.48
<i>For >1,000, Deduct</i>	-0.13	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.22	
33 14 13 23-0329 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.19	0.52
<i>For >1,000, Deduct</i>	-0.16	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.29	
33 14 13 23-0330 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.33	0.64
<i>For >1,000, Deduct</i>	-0.22	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.41	
33 14 13 23-0331 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.80	0.82
<i>For >1,000, Deduct</i>	-0.34	
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.72	
33 14 13 23-0332 90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0322)</small>		
33 14 13 23-0333 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	9.11	3.54
33 14 13 23-0334 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	11.51	4.42
33 14 13 23-0335 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	16.04	6.11
33 14 13 23-0336 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	18.25	6.85
33 14 13 23-0337 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	22.50	7.78
33 14 13 23-0338 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	24.54	8.33
33 14 13 23-0339 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	33.12	10.24
33 14 13 23-0340 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	56.52	13.00
33 14 13 23-0341 45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0322)</small>		
33 14 13 23-0342 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	9.09	3.54
33 14 13 23-0343 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	11.48	4.42
33 14 13 23-0344 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	16.05	6.11
33 14 13 23-0345 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	18.16	6.85
33 14 13 23-0346 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	22.27	7.78
33 14 13 23-0347 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	24.26	8.33
33 14 13 23-0348 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	32.56	10.24
33 14 13 23-0349 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	54.75	13.00
33 14 13 23-0350 Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0322)</small>		
33 14 13 23-0351 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	13.60	5.30
33 14 13 23-0352 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	17.17	6.67
33 14 13 23-0353 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	23.96	9.21
33 14 13 23-0354 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	27.07	10.24
33 14 13 23-0355 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	33.88	11.67
33 14 13 23-0356 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	37.94	12.47
33 14 13 23-0357 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	47.42	15.36
33 14 13 23-0358 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	86.50	19.53
33 14 13 23-0359 Couplings, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0322)</small>		
33 14 13 23-0360 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	6.10	2.36
33 14 13 23-0361 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	8.23	3.17
33 14 13 23-0362 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	11.92	4.61
33 14 13 23-0363 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	13.51	5.12
33 14 13 23-0364 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	16.13	5.82
33 14 13 23-0365 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	17.98	6.23
33 14 13 23-0366 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	22.36	7.67
33 14 13 23-0367 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	35.34	9.77
33 14 13 23-0368 Crosses, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0322)</small>		
33 14 13 23-0369 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	18.23	7.07
33 14 13 23-0370 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	22.87	8.87
33 14 13 23-0371 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	31.93	12.27
33 14 13 23-0372 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	36.07	13.66
33 14 13 23-0373 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	45.15	15.54
33 14 13 23-0374 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	50.52	16.63
33 14 13 23-0375 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	63.18	20.46

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 23-0376	EA	6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	115.11	26.03
33 14 13 23-0377		Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0378		Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0377)		
33 14 13 23-0379	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.38 -0.07 0.09	0.32
33 14 13 23-0380	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.91 -0.10 0.14	0.38
33 14 13 23-0381	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.46 -0.12 0.21	0.43
33 14 13 23-0382	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	3.28 -0.16 0.31	0.48
33 14 13 23-0383	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	4.04 -0.20 0.41	0.52
33 14 13 23-0384	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	5.64 -0.28 0.61	0.64
33 14 13 23-0385	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe For >1,000, Deduct For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	9.70 -0.49 1.15	0.82
33 14 13 23-0386		90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0387	EA	1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	12.23	4.42
33 14 13 23-0388	EA	1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	16.04	6.11
33 14 13 23-0389	EA	2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	18.97	6.85
33 14 13 23-0390	EA	2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	24.04	7.78
33 14 13 23-0391	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	25.97	8.33
33 14 13 23-0392	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	33.46	10.24
33 14 13 23-0393	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	54.90	13.00
33 14 13 23-0394		45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0395	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	15.19	4.42
33 14 13 23-0396	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	18.90	6.11
33 14 13 23-0397	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	21.71	6.85
33 14 13 23-0398	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	29.18	7.78
33 14 13 23-0399	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	32.67	8.33
33 14 13 23-0400	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	46.94	10.24
33 14 13 23-0401	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	53.99	13.00
33 14 13 23-0402		Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0403	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	18.69	6.67
33 14 13 23-0404	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	28.56	9.21
33 14 13 23-0405	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	32.56	10.24
33 14 13 23-0406	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	36.79	11.67
33 14 13 23-0407	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	40.72	12.47
33 14 13 23-0408	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	49.42	15.36
33 14 13 23-0409	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	86.43	19.53
33 14 13 23-0410		Couplings, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0411	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	9.31	3.17
33 14 13 23-0412	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	13.78	4.61
33 14 13 23-0413	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	15.27	5.12
33 14 13 23-0414	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	20.62	5.82
33 14 13 23-0415	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	22.52	6.23
33 14 13 23-0416	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	27.87	7.67
33 14 13 23-0417	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	43.04	9.77
33 14 13 23-0418		Crosses, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0419	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	24.88	8.87
33 14 13 23-0420	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	38.05	12.27
33 14 13 23-0421	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	43.36	13.66
33 14 13 23-0422	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	49.01	15.54
33 14 13 23-0423	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	54.21	16.63
33 14 13 23-0424	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	65.84	20.46
33 14 13 23-0425	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	115.01	26.03
33 14 13 23-0426		AWWA C906, High Density Polyethylene (HDPE) Pressure Piping (33 14 13 23)		
		Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
33 14 13 23-0427		High Density Polyethylene (HDPE) Pressure Pipe (33 14 13 23-0426)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0428 LF 3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	3.18	1.12
For DR 19 (89 PSI), Add	0.08	
For DR 17 (100 PSI), Add	0.20	
For DR 15.5 (110 PSI), Add	0.30	
For DR 13.5 (128 PSI), Add	0.47	
For DR 11 (160 PSI), Add	0.75	
33 14 13 23-0429 LF 4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	5.06	1.42
For DR 26 (65 PSI), Deduct	-0.41	
For DR 19 (89 PSI), Add	0.20	
For DR 17 (100 PSI), Add	0.49	
For DR 15.5 (110 PSI), Add	0.72	
For DR 13.5 (128 PSI), Add	1.13	
For DR 11 (160 PSI), Add	1.81	
33 14 13 23-0430 LF 6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	8.23	1.72
For DR 26 (65 PSI), Deduct	-0.88	
For DR 19 (89 PSI), Add	0.43	
For DR 17 (100 PSI), Add	1.06	
For DR 15.5 (110 PSI), Add	1.56	
For DR 13.5 (128 PSI), Add	2.43	
For DR 11 (160 PSI), Add	3.92	
33 14 13 23-0431 LF 8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	12.00	1.94
For DR 26 (65 PSI), Deduct	-1.49	
For DR 19 (89 PSI), Add	0.73	
For DR 17 (100 PSI), Add	1.81	
For DR 15.5 (110 PSI), Add	2.65	
For DR 13.5 (128 PSI), Add	4.13	
For DR 11 (160 PSI), Add	6.65	
33 14 13 23-0432 LF 10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	16.94	2.16
For DR 26 (65 PSI), Deduct	-2.32	
For DR 19 (89 PSI), Add	1.14	
For DR 17 (100 PSI), Add	2.81	
For DR 15.5 (110 PSI), Add	4.11	
For DR 13.5 (128 PSI), Add	6.42	
For DR 11 (160 PSI), Add	10.33	
33 14 13 23-0433 LF 12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	23.01	24.10
For DR 26 (65 PSI), Deduct	-3.34	
For DR 19 (89 PSI), Add	1.64	
For DR 17 (100 PSI), Add	4.05	
For DR 15.5 (110 PSI), Add	5.93	
For DR 13.5 (128 PSI), Add	9.26	
For DR 11 (160 PSI), Add	14.90	
33 14 13 23-0434 LF 14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	26.81	2.71
For DR 26 (65 PSI), Deduct	-3.93	
For DR 19 (89 PSI), Add	1.93	
For DR 17 (100 PSI), Add	4.76	
For DR 15.5 (110 PSI), Add	6.97	
For DR 13.5 (128 PSI), Add	10.88	
For DR 11 (160 PSI), Add	17.52	
33 14 13 23-0435 LF 16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	34.03	3.01
For DR 26 (65 PSI), Deduct	-5.13	
For DR 19 (89 PSI), Add	2.52	
For DR 17 (100 PSI), Add	6.22	
For DR 15.5 (110 PSI), Add	9.11	
For DR 13.5 (128 PSI), Add	14.22	
For DR 11 (160 PSI), Add	22.89	
33 14 13 23-0436 LF 18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	42.63	3.61
For DR 26 (65 PSI), Deduct	-6.49	
For DR 19 (89 PSI), Add	3.18	
For DR 17 (100 PSI), Add	7.86	
For DR 15.5 (110 PSI), Add	11.51	
For DR 13.5 (128 PSI), Add	17.97	
For DR 11 (160 PSI), Add	28.92	
33 14 13 23-0437 LF 20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	38.18	4.30
For DR 26 (65 PSI), Deduct	-5.42	
For DR 19 (89 PSI), Add	2.66	
For DR 17 (100 PSI), Add	6.57	
For DR 15.5 (110 PSI), Add	9.63	
For DR 13.5 (128 PSI), Add	15.02	
For DR 11 (160 PSI), Add	24.18	
33 14 13 23-0438 LF 24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	73.29	5.16
For DR 26 (65 PSI), Deduct	-11.54	
For DR 19 (89 PSI), Add	5.67	
For DR 17 (100 PSI), Add	13.99	
For DR 15.5 (110 PSI), Add	20.49	
For DR 13.5 (128 PSI), Add	31.98	
For DR 11 (160 PSI), Add	51.47	
33 14 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping		
13 23-0426)		
33 14 13 23-0440 EA 3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	35.10	5.53
For DR 26 (65 PSI), Deduct	-3.39	
For DR 19 (89 PSI), Add	1.67	
For DR 17 (100 PSI), Add	4.12	
For DR 15.5 (110 PSI), Add	6.03	
For DR 13.5 (128 PSI), Add	9.41	
For DR 11 (160 PSI), Add	15.14	

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14	13 23-0441	EA	4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	40.48	6.15
			<i>For DR 26 (65 PSI), Deduct</i>	-4.05	
			<i>For DR 19 (89 PSI), Add</i>	1.99	
			<i>For DR 17 (100 PSI), Add</i>	4.90	
			<i>For DR 15.5 (110 PSI), Add</i>	7.18	
			<i>For DR 13.5 (128 PSI), Add</i>	11.21	
			<i>For DR 11 (160 PSI), Add</i>	18.04	
33 14	13 23-0442	EA	6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	79.73	7.02
			<i>For DR 26 (65 PSI), Deduct</i>	-10.76	
			<i>For DR 19 (89 PSI), Add</i>	5.28	
			<i>For DR 17 (100 PSI), Add</i>	13.04	
			<i>For DR 15.5 (110 PSI), Add</i>	19.10	
			<i>For DR 13.5 (128 PSI), Add</i>	29.81	
			<i>For DR 11 (160 PSI), Add</i>	47.99	
33 14	13 23-0443	EA	8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	147.26	8.19
			<i>For DR 26 (65 PSI), Deduct</i>	-22.49	
			<i>For DR 19 (89 PSI), Add</i>	11.04	
			<i>For DR 17 (100 PSI), Add</i>	27.26	
			<i>For DR 15.5 (110 PSI), Add</i>	39.93	
			<i>For DR 13.5 (128 PSI), Add</i>	62.32	
			<i>For DR 11 (160 PSI), Add</i>	100.31	
33 14	13 23-0444	EA	10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	237.55	10.94
			<i>For DR 26 (65 PSI), Deduct</i>	-37.54	
			<i>For DR 19 (89 PSI), Add</i>	18.43	
			<i>For DR 17 (100 PSI), Add</i>	45.51	
			<i>For DR 15.5 (110 PSI), Add</i>	66.64	
			<i>For DR 13.5 (128 PSI), Add</i>	104.02	
			<i>For DR 11 (160 PSI), Add</i>	167.42	
33 14	13 23-0445	EA	12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	348.99	16.37
			<i>For DR 26 (65 PSI), Deduct</i>	-54.97	
			<i>For DR 19 (89 PSI), Add</i>	26.99	
			<i>For DR 17 (100 PSI), Add</i>	66.64	
			<i>For DR 15.5 (110 PSI), Add</i>	97.59	
			<i>For DR 13.5 (128 PSI), Add</i>	152.32	
			<i>For DR 11 (160 PSI), Add</i>	245.17	
33 14	13 23-0446	EA	14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	423.02	21.85
			<i>For DR 26 (65 PSI), Deduct</i>	-65.53	
			<i>For DR 19 (89 PSI), Add</i>	32.18	
			<i>For DR 17 (100 PSI), Add</i>	79.44	
			<i>For DR 15.5 (110 PSI), Add</i>	116.33	
			<i>For DR 13.5 (128 PSI), Add</i>	181.58	
			<i>For DR 11 (160 PSI), Add</i>	292.26	
33 14	13 23-0447	EA	16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	526.32	32.75
			<i>For DR 26 (65 PSI), Deduct</i>	-78.48	
			<i>For DR 19 (89 PSI), Add</i>	38.53	
			<i>For DR 17 (100 PSI), Add</i>	95.13	
			<i>For DR 15.5 (110 PSI), Add</i>	139.31	
			<i>For DR 13.5 (128 PSI), Add</i>	217.45	
			<i>For DR 11 (160 PSI), Add</i>	350.00	
33 14	13 23-0448	EA	18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	693.12	36.83
			<i>For DR 26 (65 PSI), Deduct</i>	-106.79	
			<i>For DR 19 (89 PSI), Add</i>	52.44	
			<i>For DR 17 (100 PSI), Add</i>	129.46	
			<i>For DR 15.5 (110 PSI), Add</i>	189.58	
			<i>For DR 13.5 (128 PSI), Add</i>	295.91	
			<i>For DR 11 (160 PSI), Add</i>	476.29	
33 14	13 23-0449	EA	20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,002.82	41.80
			<i>For DR 26 (65 PSI), Deduct</i>	-160.59	
			<i>For DR 19 (89 PSI), Add</i>	78.85	
			<i>For DR 17 (100 PSI), Add</i>	194.68	
			<i>For DR 15.5 (110 PSI), Add</i>	285.09	
			<i>For DR 13.5 (128 PSI), Add</i>	444.99	
			<i>For DR 11 (160 PSI), Add</i>	716.24	
33 14	13 23-0450	EA	24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,316.96	49.13
			<i>For DR 26 (65 PSI), Deduct</i>	-214.40	
			<i>For DR 19 (89 PSI), Add</i>	105.27	
			<i>For DR 17 (100 PSI), Add</i>	259.89	
			<i>For DR 15.5 (110 PSI), Add</i>	380.60	
			<i>For DR 13.5 (128 PSI), Add</i>	594.06	
			<i>For DR 11 (160 PSI), Add</i>	956.18	
33 14	13 23-0451		Tees, High Density Polyethylene (HDPE) Pressure Piping (33 14 13 23-0426)		
33 14	13 23-0452	EA	3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	41.53	5.79
			<i>For DR 26 (65 PSI), Deduct</i>	-4.44	
			<i>For DR 19 (89 PSI), Add</i>	2.18	
			<i>For DR 17 (100 PSI), Add</i>	5.38	
			<i>For DR 15.5 (110 PSI), Add</i>	7.88	
			<i>For DR 13.5 (128 PSI), Add</i>	12.30	
			<i>For DR 11 (160 PSI), Add</i>	19.80	
33 14	13 23-0453	EA	4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	48.15	6.55
			<i>For DR 26 (65 PSI), Deduct</i>	-5.23	
			<i>For DR 19 (89 PSI), Add</i>	2.57	
			<i>For DR 17 (100 PSI), Add</i>	6.33	
			<i>For DR 15.5 (110 PSI), Add</i>	9.28	
			<i>For DR 13.5 (128 PSI), Add</i>	14.48	
			<i>For DR 11 (160 PSI), Add</i>	23.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0454 EA 6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	97.18	7.56
For DR 26 (65 PSI), Deduct	-13.66	
For DR 19 (89 PSI), Add	6.71	
For DR 17 (100 PSI), Add	16.56	
For DR 15.5 (110 PSI), Add	24.25	
For DR 13.5 (128 PSI), Add	37.85	
For DR 11 (160 PSI), Add	60.93	
33 14 13 23-0455 EA 8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	215.87	8.94
For DR 26 (65 PSI), Deduct	-34.66	
For DR 19 (89 PSI), Add	17.02	
For DR 17 (100 PSI), Add	42.02	
For DR 15.5 (110 PSI), Add	61.53	
For DR 13.5 (128 PSI), Add	96.04	
For DR 11 (160 PSI), Add	154.58	
33 14 13 23-0456 EA 10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	288.40	13.11
For DR 26 (65 PSI), Deduct	-45.66	
For DR 19 (89 PSI), Add	22.42	
For DR 17 (100 PSI), Add	55.35	
For DR 15.5 (110 PSI), Add	81.06	
For DR 13.5 (128 PSI), Add	126.52	
For DR 11 (160 PSI), Add	203.65	
33 14 13 23-0457 EA 12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	399.09	19.67
For DR 26 (65 PSI), Deduct	-62.35	
For DR 19 (89 PSI), Add	30.61	
For DR 17 (100 PSI), Add	75.58	
For DR 15.5 (110 PSI), Add	110.68	
For DR 13.5 (128 PSI), Add	172.76	
For DR 11 (160 PSI), Add	278.07	
33 14 13 23-0458 EA 14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	473.84	24.57
For DR 26 (65 PSI), Deduct	-73.35	
For DR 19 (89 PSI), Add	36.02	
For DR 17 (100 PSI), Add	88.92	
For DR 15.5 (110 PSI), Add	130.22	
For DR 13.5 (128 PSI), Add	203.25	
For DR 11 (160 PSI), Add	327.15	
33 14 13 23-0459 EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	585.75	36.83
For DR 26 (65 PSI), Deduct	-87.11	
For DR 19 (89 PSI), Add	42.77	
For DR 17 (100 PSI), Add	105.59	
For DR 15.5 (110 PSI), Add	154.63	
For DR 13.5 (128 PSI), Add	241.36	
For DR 11 (160 PSI), Add	388.48	
33 14 13 23-0460 EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	789.00	42.90
For DR 26 (65 PSI), Deduct	-121.03	
For DR 19 (89 PSI), Add	59.43	
For DR 17 (100 PSI), Add	146.72	
For DR 15.5 (110 PSI), Add	214.86	
For DR 13.5 (128 PSI), Add	335.37	
For DR 11 (160 PSI), Add	539.80	
33 14 13 23-0461 EA 20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,171.70	50.68
For DR 26 (65 PSI), Deduct	-186.59	
For DR 19 (89 PSI), Add	91.62	
For DR 17 (100 PSI), Add	226.19	
For DR 15.5 (110 PSI), Add	331.24	
For DR 13.5 (128 PSI), Add	517.02	
For DR 11 (160 PSI), Add	832.18	
33 14 13 23-0462 EA 24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,559.77	61.43
For DR 26 (65 PSI), Deduct	-252.15	
For DR 19 (89 PSI), Add	123.81	
For DR 17 (100 PSI), Add	305.66	
For DR 15.5 (110 PSI), Add	447.63	
For DR 13.5 (128 PSI), Add	698.68	
For DR 11 (160 PSI), Add	1,124.57	
33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping (33 14 13)		
See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
33 14 13 36 Steel Public Water Utility Distribution Piping (33 14 13)		
33 14 13 36-0001 Steel Piping (33 14 13 36)		
33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)		
Note: ASTM A252 steel pipe.		
33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)		
33 14 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	31.79	11.81
For >1,000, Deduct	-1.59	
33 14 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	36.22	11.81
For >1,000, Deduct	-1.81	
33 14 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	36.93	12.88
For >1,000, Deduct	-1.85	
33 14 13 36-0007 LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	42.52	12.88
For >1,000, Deduct	-2.13	
33 14 13 36-0008 LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	43.07	13.50
For >1,000, Deduct	-2.15	
33 14 13 36-0009 LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	47.42	13.50
For >1,000, Deduct	-2.37	
33 14 13 36-0010 LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	72.84	14.92
For >1,000, Deduct	-3.64	

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0011 LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	54.55	14.92
<i>For >1,000, Deduct</i>	-2.73	
33 14 13 36-0012 LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	54.13	15.75
<i>For >1,000, Deduct</i>	-2.71	
33 14 13 36-0013 LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	56.82	15.75
<i>For >1,000, Deduct</i>	-2.84	
33 14 13 36-0014 LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	65.70	17.72
<i>For >1,000, Deduct</i>	-3.29	
33 14 13 36-0015 LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	70.09	17.72
<i>For >1,000, Deduct</i>	-3.50	
33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 14</small>		
<small>13 36-0002)</small>		
33 14 13 36-0017 LF 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	57.64	23.42
<i>For >1,000, Deduct</i>	-2.88	
33 14 13 36-0018 LF 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	67.39	25.77
<i>For >1,000, Deduct</i>	-3.37	
33 14 13 36-0019 LF 16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	74.09	26.94
<i>For >1,000, Deduct</i>	-3.70	
33 14 13 36-0020 LF 18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	83.54	30.45
<i>For >1,000, Deduct</i>	-4.18	
33 14 13 36-0021 LF 18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	86.52	30.45
<i>For >1,000, Deduct</i>	-4.33	
33 14 13 36-0022 LF 20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	89.28	30.45
<i>For >1,000, Deduct</i>	-4.46	
33 14 13 36-0023 LF 20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	92.46	30.45
<i>For >1,000, Deduct</i>	-4.62	
33 14 13 36-0024 LF 24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	106.91	35.14
<i>For >1,000, Deduct</i>	-5.35	
33 14 13 36-0025 LF 24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	116.75	35.14
<i>For >1,000, Deduct</i>	-5.84	
33 14 13 36-0026 LF 24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	140.90	35.14
<i>For >1,000, Deduct</i>	-7.05	
33 14 13 36-0027 LF 30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	131.43	41.00
<i>For >1,000, Deduct</i>	-6.57	
33 14 13 36-0028 LF 30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	135.45	41.00
<i>For >1,000, Deduct</i>	-6.77	
33 14 13 36-0029 LF 30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	173.43	41.00
<i>For >1,000, Deduct</i>	-8.67	
33 14 13 36-0030 LF 36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	152.30	41.00
<i>For >1,000, Deduct</i>	-7.62	
33 14 13 36-0031 LF 36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	179.19	49.19
<i>For >1,000, Deduct</i>	-8.96	
33 14 13 36-0032 LF 36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	208.64	49.19
<i>For >1,000, Deduct</i>	-10.43	
33 14 13 36-0033 LF 36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	201.28	49.19
<i>For >1,000, Deduct</i>	-10.06	
33 14 13 36-0034 LF 42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	297.10	55.06
<i>For >1,000, Deduct</i>	-14.86	
33 14 13 36-0035 LF 42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	192.07	55.06
<i>For >1,000, Deduct</i>	-9.60	
33 14 13 36-0036 LF 48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	340.04	62.08
<i>For >1,000, Deduct</i>	-17.00	
33 14 13 36-0037 LF 54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	359.43	70.28
<i>For >1,000, Deduct</i>	-17.97	
33 14 13 36-0038 LF 48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	211.55	62.08
<i>For >1,000, Deduct</i>	-10.58	
33 14 13 36-0039 LF 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	392.98	70.28
<i>For >1,000, Deduct</i>	-19.65	
33 14 13 36-0040 LF 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	441.30	81.99
<i>For >1,000, Deduct</i>	-22.07	
33 14 13 36-0041 LF 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	322.00	81.99
<i>For >1,000, Deduct</i>	-16.10	
33 14 13 36-0042 LF 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	380.21	68.82
<i>For >1,000, Deduct</i>	-19.01	
33 14 13 36-0043 LF 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	649.61	68.82
<i>For >1,000, Deduct</i>	-32.48	
33 14 13 36-0044 Flexible Couplings (Dresser Style 38) <small>(33 14 13 36-0001)</small>		
33 14 13 36-0045 EA 2" Dresser Coupling For Plain End Welded Steel Pipe.....	83.28	10.82
33 14 13 36-0046 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	106.83	20.81
33 14 13 36-0047 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	142.01	27.47
33 14 13 36-0048 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	234.06	41.61
33 14 13 36-0049 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	313.47	52.43
33 14 13 36-0050 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	446.79	60.25
33 14 13 36-0051 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	518.99	75.51
33 14 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	561.00	75.51
33 14 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	589.19	86.36
33 14 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe.....	651.43	92.38
33 14 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe.....	711.59	104.44
33 14 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe.....	946.64	110.46
33 14 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,170.65	120.50
33 14 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,390.01	135.57
33 14 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe.....	1,622.23	152.63
33 14 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe.....	1,885.56	175.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe.....	2,073.55	200.84
33 14 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe.....	2,328.30	251.05
33 14 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe.....	2,647.36	305.27
33 14 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe.....	3,148.16	361.51
33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)		
33 14 13 39-0001 Type L Copper Water Distribution Piping (33 14 13 39)		
33 14 13 39-0002 LF 1/2" Type L Copper Water Distribution Pipe.....	3.41	0.73
33 14 13 39-0003 LF 3/4" Type L Copper Water Distribution Pipe.....	4.54	0.82
33 14 13 39-0004 LF 1" Type L Copper Water Distribution Pipe.....	6.11	0.91
33 14 13 39-0005 LF 1-1/4" Type L Copper Water Distribution Pipe.....	7.80	1.09
33 14 13 39-0006 LF 1-1/2" Type L Copper Water Distribution Pipe.....	9.73	1.45
33 14 13 39-0007 LF 2" Type L Copper Water Distribution Pipe.....	14.70	1.81
33 14 13 39-0008 LF 2-1/2" Type L Copper Water Distribution Pipe.....	18.26	2.18
33 14 13 39-0009 LF 3" Type L Copper Water Distribution Pipe.....	23.36	2.40
33 14 13 39-0010 LF 3-1/2" Type L Copper Water Distribution Pipe.....	31.25	3.01
33 14 13 39-0011 LF 4" Type L Copper Water Distribution Pipe.....	41.51	3.81
33 14 13 39-0012 LF 5" Type L Copper Water Distribution Pipe.....	68.92	4.76
33 14 13 39-0013 LF 6" Type L Copper Water Distribution Pipe.....	89.60	5.74
33 14 13 39-0014 LF 8" Type L Copper Water Distribution Pipe.....	159.39	6.43
33 14 13 39-0015 Type K Copper Water Distribution Piping (33 14 13 39)		
33 14 13 39-0016 LF 1/2" Type K Copper Water Distribution Pipe.....	3.70	0.73
33 14 13 39-0017 LF 3/4" Type K Copper Water Distribution Pipe.....	5.56	0.82
33 14 13 39-0018 LF 1" Type K Copper Water Distribution Pipe.....	7.13	0.91
33 14 13 39-0019 LF 1-1/4" Type K Copper Water Distribution Pipe.....	8.43	1.09
33 14 13 39-0020 LF 1-1/2" Type K Copper Water Distribution Pipe.....	10.66	1.45
33 14 13 39-0021 LF 2" Type K Copper Water Distribution Pipe.....	15.96	1.81
33 14 13 39-0022 LF 2-1/2" Type K Copper Water Distribution Pipe.....	21.74	2.18
33 14 13 39-0023 LF 3" Type K Copper Water Distribution Pipe.....	28.58	2.40
33 14 13 39-0024 LF 3-1/2" Type K Copper Water Distribution Pipe.....	37.38	3.01
33 14 13 39-0025 LF 4" Type K Copper Water Distribution Pipe.....	50.80	3.81
33 14 13 39-0026 LF 5" Type K Copper Water Distribution Pipe.....	88.16	4.76
33 14 13 39-0027 LF 6" Type K Copper Water Distribution Pipe.....	124.19	5.74
33 14 13 39-0028 LF 8" Type K Copper Water Distribution Pipe.....	223.22	6.43
33 14 13 39-0029 Brass Fittings (33 14 13 39)		
33 14 13 39-0030 Brass Compression Reducer Coupling (33 14 13 39-0029)		
33 14 13 39-0031 EA 3/4" x 1" Brass Compression Reducer Coupling.....	22.19	6.10
33 14 13 39-0032 EA 1" x 3/4" Brass Compression Reducer Coupling.....	16.32	6.10
33 14 13 39-0033 EA 1-1/2" x 1" Brass Compression Reducer Coupling.....	37.76	9.26
33 14 13 39-0034 EA 2" x 1-1/2" Brass Compression Reducer Coupling.....	46.52	11.74
33 14 13 39-0035 Copper Compression x Male NPT Brass Coupling (33 14 13 39-0029)		
Note: A. Y. McDonald 74753Q		
33 14 13 39-0036 EA 3/4" Copper Compression x Male NPT Brass Coupling.....	21.84	6.78
33 14 13 39-0037 EA 3/4" x 1" Copper Compression x Male NPT Brass Coupling.....	24.87	7.91
33 14 13 39-0038 EA 1" Copper Compression x Male NPT Brass Coupling.....	25.64	7.91
33 14 13 39-0039 EA 1" x 3/4" Copper Compression x Male NPT Brass Coupling.....	25.00	7.91
33 14 13 39-0040 EA 1-1/4" Copper Compression x Male NPT Brass Coupling.....	35.26	9.04
33 14 13 39-0041 EA 1-1/4" x 1" Copper Compression x Male NPT Brass Coupling.....	34.10	9.04
33 14 13 39-0042 EA 1-1/2" Copper Compression x Male NPT Brass Coupling.....	47.21	11.30
33 14 13 39-0043 EA 2" Copper Compression x Male NPT Brass Coupling.....	63.00	13.55
33 14 13 39-0044 Brass Nipples (33 14 13 39-0029)		
33 14 13 39-0045 EA 3/4" x 6" Long Brass Nipple.....	17.12	2.82
33 14 13 39-0046 EA 1" x 6" Long Brass Nipple.....	22.82	3.05
33 14 13 39-0047 EA 1-1/2" x 6" Long Brass Nipple.....	35.94	3.28
33 14 13 39-0048 Brass "H" Style Meter Insetters (33 14 13 39-0029)		
33 14 13 39-0049 EA 5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters.....	105.74	12.48
33 14 13 39-0050 EA 5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters.....	67.29	12.48
33 14 13 39-0051 Meter Setters - Resetter, Brass (33 14 13 39-0029)		
33 14 13 39-0052 EA 1" Meter, 10" High Brass Meter Setter - Resetter.....	282.53	12.48
Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.		
33 14 13 43 Public Water Utility Distribution Piping Coatings And Wraps (33 14 13)		
33 14 13 43-0001 Pipe Coatings (33 14 13 43)		
33 14 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 14 13 43-0001)		
33 14 13 43-0003 LF 8" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	2.54	
33 14 13 43-0004 LF 10" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.02	
33 14 13 43-0005 LF 12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.56	



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

Table with 5 columns: MINOR, CSI, UOM, DESCRIPTION, and UNIT COST. Rows include pipe coating specifications for various diameters (14" to 78").

33 14 13 43-0020 8 Mil Polyethylene Encasement Tubing (33 14 13 43)

Table with 5 columns: MINOR, CSI, UOM, DESCRIPTION, and UNIT COST. Rows list encasement tubing specifications for diameters ranging from 3" to 54".

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles (33 14 13 53)

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

Table with 5 columns: MINOR, CSI, UOM, DESCRIPTION, and UNIT COST. Rows list double stud stainless steel service saddles for various tap sizes and diameters.

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

Table with 5 columns: MINOR, CSI, UOM, DESCRIPTION, and UNIT COST. Rows list double bale epoxy coated ductile iron body service saddles for various diameters and tap sizes.



MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	271.95	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	324.96	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	338.76	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	699.76	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	284.65	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	339.87	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	354.20	
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	729.10	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	326.10	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	390.63	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	388.97	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	436.43	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	407.53	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	470.67	
33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)				
33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	176.73	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	197.08	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	203.07	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	223.61	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	234.08	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	246.06	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	216.17	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	232.13	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	304.75	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	334.76	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	524.77	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	415.39	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	621.78	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	482.49	
33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)				
Note: Taps are compression or NPT.				
33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	191.38	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	215.58	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	220.38	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	243.46	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	255.40	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	268.61	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	297.75	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	321.77	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	324.37	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	356.90	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	573.37	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	450.51	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	679.44	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	524.35	
33 14 13 53-0091 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)				
33 14 13 53-0092	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,012.55	
33 14 13 53-0093	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,214.56	
33 14 13 53-0094	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,469.02	
33 14 13 53-0095	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,569.89	
33 14 13 53-0096	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,597.30	
33 14 13 53-0097	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,743.71	
33 14 13 53-0098	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,799.01	
33 14 13 53-0099	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,671.43	
33 14 13 53-0100	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,817.20	
33 14 13 53-0101	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,191.30	
33 14 13 53-0102	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,276.45	
33 14 13 53-0103	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,895.50	
33 14 13 53-0104	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,061.93	
33 14 13 53-0105	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,129.52	
33 14 13 53-0106	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,151.09	
33 14 13 53-0107	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,379.46	
33 14 13 53-0108	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,348.34	
33 14 13 53-0109	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,358.24	
33 14 13 53-0110	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,545.76	
33 14 13 53-0111	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,579.94	
33 14 13 53-0112	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,618.86	
33 14 13 53-0113	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,606.47	
33 14 13 53-0114	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,933.03	
33 14 13 53-0115	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,033.94	
33 14 13 53-0116	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,473.92	
33 14 13 53-0117	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,562.15	
33 14 13 53-0118	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,869.50	
33 14 13 53-0119	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,257.29	

33 Utilities
33 10 Water Utilities
33 14 Water Utility Transmission and Distribution



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 53-0120	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,899.92
33 14 13 53-0121	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,059.60
33 14 13 53-0122	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,113.93
33 14 13 53-0123	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,437.00
33 14 13 53-0124	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,796.74
33 14 13 53-0125	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,996.59
33 14 13 53-0126	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,063.55
33 14 13 53-0127	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,193.56
33 14 13 53-0128	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,225.20
33 14 13 53-0129	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,639.86
33 14 13 53-0130	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,819.12
33 14 13 53-0131	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,838.88
33 14 13 53-0132	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,257.34
33 14 13 53-0133	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,442.32

33 14 13 53-0134 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0135	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	840.43
33 14 13 53-0136	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	859.33
33 14 13 53-0137	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	957.58
33 14 13 53-0138	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	958.09
33 14 13 53-0139	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,000.34
33 14 13 53-0140	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,195.39
33 14 13 53-0141	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,030.24
33 14 13 53-0142	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,071.02
33 14 13 53-0143	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,240.86
33 14 13 53-0144	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,878.84
33 14 13 53-0145	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,136.36
33 14 13 53-0146	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,202.43
33 14 13 53-0147	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,369.37
33 14 13 53-0148	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,939.50
33 14 13 53-0149	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,152.19
33 14 13 53-0150	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,580.05
33 14 13 53-0151	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,632.40
33 14 13 53-0152	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,005.94
33 14 13 53-0153	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,472.27
33 14 13 53-0154	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,770.82
33 14 13 53-0155	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,911.15
33 14 13 53-0156	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,965.62
33 14 13 53-0157	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,208.37
33 14 13 53-0158	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,881.13
33 14 13 53-0159	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,029.89
33 14 13 53-0160	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,964.41
33 14 13 53-0161	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,073.99
33 14 13 53-0162	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,231.41
33 14 13 53-0163	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,025.41
33 14 13 53-0164	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,173.98
33 14 13 53-0165	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,428.87
33 14 13 53-0166	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,483.19
33 14 13 53-0167	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,853.14
33 14 13 53-0168	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,487.97
33 14 13 53-0169	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,749.65
33 14 13 53-0170	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,588.24
33 14 13 53-0171	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,723.27
33 14 13 53-0172	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,910.29
33 14 13 53-0173	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,816.95
33 14 13 53-0174	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,972.44

33 14 13 53-0175 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0176	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,016.54
33 14 13 53-0177	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,081.79
33 14 13 53-0178	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,151.40
33 14 13 53-0179	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,144.15
33 14 13 53-0180	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,226.37
33 14 13 53-0181	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,498.62
33 14 13 53-0182	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,318.29
33 14 13 53-0183	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,410.92
33 14 13 53-0184	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,653.54
33 14 13 53-0185	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,367.37
33 14 13 53-0186	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,489.99
33 14 13 53-0187	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,621.12
33 14 13 53-0188	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,945.97
33 14 13 53-0189	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,373.24
33 14 13 53-0190	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,696.73
33 14 13 53-0191	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,696.56
33 14 13 53-0192	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,860.47
33 14 13 53-0193	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,227.92
33 14 13 53-0194	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,655.62
33 14 13 53-0195	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,875.51
33 14 13 53-0196	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,122.80
33 14 13 53-0197	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,351.78
33 14 13 53-0198	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,523.07
33 14 13 53-0199	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,983.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0200 EA 16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,292.30	
33 14 13 53-0201 EA 18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,306.04	
33 14 13 53-0202 EA 18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,654.91	
33 14 13 53-0203 EA 18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,834.27	
33 14 13 53-0204 EA 18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,237.64	
33 14 13 53-0205 EA 18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,775.64	
33 14 13 53-0206 EA 20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,449.04	
33 14 13 53-0207 EA 20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,796.97	
33 14 13 53-0208 EA 20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,940.18	
33 14 13 53-0209 EA 20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,702.35	
33 14 13 53-0210 EA 20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,120.66	
33 14 13 53-0211 EA 24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,960.81	
33 14 13 53-0212 EA 24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,998.82	
33 14 13 53-0213 EA 24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,173.21	
33 14 13 53-0214 EA 24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,085.59	
33 14 13 53-0215 EA 24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,566.29	
33 14 13 53-0216 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)		
33 14 13 53-0217 EA 3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	263.52	29.97
33 14 13 53-0218 EA 4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	329.72	37.80
33 14 13 53-0219 EA 6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	428.82	52.13
33 14 13 53-0220 EA 8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	568.00	61.25
33 14 13 53-0221 EA 10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	944.61	69.07
33 14 13 53-0222 EA 12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,053.27	78.19
33 14 13 53-0223 Steel Body, Flanged Coupling Adapter (33 14 13 53)		
33 14 13 53-0224 EA 3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	411.24	29.97
33 14 13 53-0225 EA 4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	481.72	37.80
33 14 13 53-0226 EA 6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	639.97	52.13
33 14 13 53-0227 EA 8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	787.74	61.25
33 14 13 53-0228 EA 10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	972.80	69.07
33 14 13 53-0229 EA 12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,138.04	78.19
33 14 13 53-0230 EA 14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,365.45	86.01
33 14 13 53-0231 EA 16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,632.76	93.83
33 14 13 53-0232 EA 18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,942.98	103.22
33 14 13 53-0233 EA 20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,312.43	113.54
33 14 13 53-0234 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)		
33 14 13 53-0235 EA 4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	339.60	37.80
33 14 13 53-0236 EA 6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	453.21	52.13
33 14 13 53-0237 EA 8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	495.02	61.25
33 14 13 53-0238 EA 10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	762.16	69.07
33 14 13 53-0239 EA 12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	989.67	78.19
33 14 13 53-0240 EA 14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,113.28	86.01
33 14 13 53-0241 EA 16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,322.73	93.83
33 14 13 53-0242 EA 18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,488.45	103.22
33 14 13 53-0243 EA 20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,809.14	113.54
33 14 13 53-0244 EA 24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,202.41	124.90
33 14 13 53-0245 EA 30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	4,824.52	137.36
33 14 13 53-0246 EA 36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	6,577.28	151.12
33 14 13 53-0247 Ductile Iron Body, Omni Coupling System (33 14 13 53)		
33 14 13 53-0248 EA 2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	105.02	20.85
33 14 13 53-0249 EA 2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	131.39	24.76
33 14 13 53-0250 EA 3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	163.98	29.97
33 14 13 53-0251 EA 4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	205.63	37.80
33 14 13 53-0252 EA 6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	271.05	52.13
33 14 13 53-0253 EA 8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	333.35	61.25
33 14 13 53-0254 EA 10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	430.86	69.07
33 14 13 53-0255 EA 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	508.87	78.19
33 14 13 53-0256 EA 14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	761.69	86.01
33 14 13 53-0257 EA 16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	976.23	93.83
33 14 15 Water Service Connections (33 14)		
33 14 15 23 Water Service Hydrants (33 14 15)		
33 14 15 23-0001 Yard Hydrants (33 14 15 23)		
Note: With 3/4" hose thread outlet.		
33 14 15 23-0002 EA 2" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	142.46	13.55
33 14 15 23-0003 EA 4" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	153.14	13.55
33 14 15 23-0004 EA 6" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	163.83	13.55
33 14 15 23-0005 EA 2" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	183.84	17.17
33 14 15 23-0006 EA 4" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	194.70	17.17
33 14 15 23-0007 EA 6" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	205.56	17.17
33 14 15 23-0008 Sanitary Yard Hydrants (33 14 15 23)		
Note: With 3/4" hose thread outlet.		
33 14 15 23-0009 EA 2" Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	647.29	28.24

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 15 23-0010	EA		4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	680.67	28.24
33 14 15 23-0011	EA		6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	714.05	28.24
33 14 15 23-0012			Flushing Hydrants (33 14 15 23)		
33 14 15 23-0013	EA		2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	450.22	17.69
33 14 19			Valves and Hydrants for Water Utility Service (33 14)		
			Note: Flanged valves excludes bolt and gasket set. See CSI section 23 21 13 23-0576 for bolt and gasket sets.		
33 14 19 00-0001			Water Utility Distribution Valves (33 14 19)		
33 14 19 00-0002			Ball Meter Valves (33 14 19 00-0001)		
33 14 19 00-0003	EA		3/4" Ball Meter Valve (Ford B43-342W).....	66.47	11.30
			Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.		
33 14 19 00-0004	EA		1" Ball Meter Valve (Ford B43-444W).....	72.51	11.98
			Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.		
33 14 19 00-0005	EA		1-1/2" Ball Meter Valve (Ford BF43-666W).....	140.51	20.33
			Note: 1-1/2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.		
33 14 19 00-0006	EA		2" Ball Meter Valve (Ford BF43-777W).....	202.62	20.56
			Note: 2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.		
33 14 19 00-0007			Yokes And Angles (33 14 19 00-0001)		
33 14 19 00-0008			Yoke, Meter (33 14 19 00-0007)		
33 14 19 00-0009	EA		Yoke, Meter, 5/8".....	24.38	6.78
33 14 19 00-0010	EA		Yoke, Meter, 3/4".....	27.80	7.45
33 14 19 00-0011	EA		Yoke, Meter, 1".....	36.67	8.58
33 14 19 00-0012			Angles And Ells (33 14 19 00-0007)		
33 14 19 00-0013	EA		1-1/2" Flanged Angle, ELL.....	69.18	4.75
33 14 19 00-0014	EA		ELL, Yoke, With Female I.P.T.....	18.63	4.07
33 14 19 00-0015			Angle Valves (33 14 19 00-0001)		
			Note: For connecting meters to water service.		
33 14 19 00-0016			Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0015)		
			Note: Nibco T-335Y		
33 14 19 00-0017	EA		1/2" Threaded, Class 150, Bronze Angle Valve.....	39.30	7.23
33 14 19 00-0018	EA		3/4" Threaded, Class 150, Bronze Angle Valve.....	53.00	9.72
33 14 19 00-0019	EA		1" Threaded, Class 150, Bronze Angle Valve.....	71.26	11.98
33 14 19 00-0020	EA		1-1/4" Threaded, Class 150, Bronze Angle Valve.....	91.74	15.04
33 14 19 00-0021	EA		1-1/2" Threaded, Class 150, Bronze Angle Valve.....	114.41	17.39
33 14 19 00-0022	EA		2" Threaded, Class 150, Bronze Angle Valve.....	170.18	20.33
33 14 19 00-0023	EA		2-1/2" Threaded, Class 150, Bronze Angle Valve.....	272.08	27.75
33 14 19 00-0024	EA		3" Threaded, Class 150, Bronze Angle Valve.....	412.08	32.04
33 14 19 00-0025			Check Valves (33 14 19 00-0001)		
33 14 19 00-0026			Flanged, Swing Type Gravity Operated Check Valves (33 14 19 00-0025)		
			Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0027	EA		2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	528.85	60.33
33 14 19 00-0028	EA		3" Flanged, Swing Type Gravity Operated Check Valve.....	541.73	70.74
33 14 19 00-0029	EA		4" Flanged, Swing Type Gravity Operated Check Valve.....	737.10	89.46
33 14 19 00-0030	EA		4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,043.55	134.61
33 14 19 00-0031	EA		4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,081.04	150.33
33 14 19 00-0032	EA		6" Flanged, Swing Type Gravity Operated Check Valve.....	1,028.74	149.80
33 14 19 00-0033	EA		6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,351.55	170.28
33 14 19 00-0034	EA		6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	1,407.10	191.41
33 14 19 00-0035	EA		8" Flanged, Swing Type Gravity Operated Check Valve.....	1,468.48	191.41
33 14 19 00-0036	EA		10" Flanged, Swing Type Gravity Operated Check Valve.....	2,499.50	233.02
33 14 19 00-0037	EA		12" Flanged, Swing Type Gravity Operated Check Valve.....	3,806.19	174.77
33 14 19 00-0038	EA		14" Flanged, Swing Type Gravity Operated Check Valve.....	5,317.55	342.76
33 14 19 00-0039	EA		16" Flanged, Swing Type Gravity Operated Check Valve.....	7,097.59	377.03
33 14 19 00-0040	EA		18" Flanged, Swing Type Gravity Operated Check Valve.....	10,337.00	418.17
33 14 19 00-0041	EA		20" Flanged, Swing Type Gravity Operated Check Valve.....	12,039.86	471.29
33 14 19 00-0042			Combination Air Release Valves (33 14 19 00-0001)		
33 14 19 00-0043	EA		1" Combination Air Release Valve.....	434.45	8.73
33 14 19 00-0044	EA		2" Combination Air Release Valve.....	699.17	14.98
33 14 19 00-0045			Corporation Stop And Curb Valve (33 14 19 00-0001)		
			Note: AWWA C800		
33 14 19 00-0046			Ball Corporation Valves (33 14 19 00-0045)		
			Note: Mueller B-25000.		
33 14 19 00-0047	EA		3/4" Ball Corporation Valve.....	54.21	8.73
33 14 19 00-0048	EA		1" Ball Corporation Valve.....	68.69	10.82
33 14 19 00-0049	EA		1-1/2" Ball Corporation Valve.....	132.94	15.82
33 14 19 00-0050	EA		2" Ball Corporation Valve.....	214.10	18.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0051 Gate Valve, AWWA C500 And C509 <small>(33 14 19 00-0001)</small>		
33 14 19 00-0052 Gate Valve, Flanged <small>(33 14 19 00-0051)</small>		
Note: Mueller A-2380-6.		
33 14 19 00-0053 EA 2" Gate Valve, Flanged.....	325.04	55.47
33 14 19 00-0054 EA 2-1/2" Gate Valve, Flanged.....	380.96	60.33
33 14 19 00-0055 EA 3" Gate Valve, Flanged.....	450.85	70.74
33 14 19 00-0056 EA 4" Gate Valve, Flanged.....	582.14	88.63
33 14 19 00-0057 EA 6" Gate Valve, Flanged.....	729.16	149.80
33 14 19 00-0058 EA 8" Gate Valve, Flanged.....	1,083.56	191.41
33 14 19 00-0059 EA 10" Gate Valve, Flanged.....	1,635.31	233.02
33 14 19 00-0060 EA 12" Gate Valve, Flanged.....	1,972.27	174.77
33 14 19 00-0061 EA 14" Gate Valve, Flanged.....	4,303.96	342.76
33 14 19 00-0062 EA 16" Gate Valve, Flanged.....	5,650.12	377.03
33 14 19 00-0063 EA 18" Gate Valve, Flanged.....	8,999.55	418.17
33 14 19 00-0064 EA 20" Gate Valve, Flanged.....	10,769.98	471.29
33 14 19 00-0065 Resilient Wedge Gate Valve, Flanged <small>(33 14 19 00-0051)</small>		
Note: Mueller A-2360-6.		
33 14 19 00-0066 EA 2" Resilient Wedge Gate Valve, Flanged.....	310.58	55.47
33 14 19 00-0067 EA 2-1/2" Resilient Wedge Gate Valve, Flanged.....	363.68	60.33
33 14 19 00-0068 EA 3" Resilient Wedge Gate Valve, Flanged.....	430.34	70.74
33 14 19 00-0069 EA 4" Resilient Wedge Gate Valve, Flanged.....	559.22	88.63
33 14 19 00-0070 EA 6" Resilient Wedge Gate Valve, Flanged.....	698.52	149.80
33 14 19 00-0071 EA 8" Resilient Wedge Gate Valve, Flanged.....	1,035.69	191.41
33 14 19 00-0072 EA 10" Resilient Wedge Gate Valve, Flanged.....	1,559.24	233.02
33 14 19 00-0073 EA 12" Resilient Wedge Gate Valve, Flanged.....	1,880.42	174.77
33 14 19 00-0074 Gate Valve, Mechanical Joint <small>(33 14 19 00-0051)</small>		
Note: Mueller A-2380-20.		
33 14 19 00-0075 EA 2" Gate Valve, Mechanical Joint.....	380.34	44.32
33 14 19 00-0076 EA 2-1/2" Gate Valve, Mechanical Joint.....	410.52	55.55
33 14 19 00-0077 EA 3" Gate Valve, Mechanical Joint.....	516.35	67.20
33 14 19 00-0078 EA 4" Gate Valve, Mechanical Joint.....	614.14	88.63
33 14 19 00-0079 EA 6" Gate Valve, Mechanical Joint.....	773.57	104.03
33 14 19 00-0080 EA 8" Gate Valve, Mechanical Joint.....	1,129.46	124.83
33 14 19 00-0081 EA 10" Gate Valve, Mechanical Joint.....	1,658.52	145.64
33 14 19 00-0082 EA 12" Gate Valve, Mechanical Joint.....	2,077.68	174.77
33 14 19 00-0083 EA 14" Gate Valve, Mechanical Joint.....	4,582.91	209.94
33 14 19 00-0084 EA 16" Gate Valve, Mechanical Joint.....	5,944.65	235.65
33 14 19 00-0085 EA 18" Gate Valve, Mechanical Joint.....	9,526.41	261.35
33 14 19 00-0086 EA 20" Gate Valve, Mechanical Joint.....	11,339.20	294.56
33 14 19 00-0087 Resilient Wedge Gate Valve, Mechanical Joint <small>(33 14 19 00-0051)</small>		
Note: Mueller A-2360-20.		
33 14 19 00-0088 EA 2" Resilient Wedge Gate Valve, Mechanical Joint.....	363.83	44.32
33 14 19 00-0089 EA 3" Resilient Wedge Gate Valve, Mechanical Joint.....	494.73	67.20
33 14 19 00-0090 EA 4" Resilient Wedge Gate Valve, Mechanical Joint.....	589.41	88.63
33 14 19 00-0091 EA 6" Resilient Wedge Gate Valve, Mechanical Joint.....	741.57	104.03
33 14 19 00-0092 EA 8" Resilient Wedge Gate Valve, Mechanical Joint.....	1,079.66	124.83
33 14 19 00-0093 EA 10" Resilient Wedge Gate Valve, Mechanical Joint.....	1,581.14	145.64
33 14 19 00-0094 EA 12" Resilient Wedge Gate Valve, Mechanical Joint.....	1,979.85	174.77
33 14 19 00-0095 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint <small>(33 14 19 00-0051)</small>		
Note: Mueller A-2361.		
33 14 19 00-0096 EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	4,247.67	342.76
33 14 19 00-0097 EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	4,614.89	377.03
33 14 19 00-0098 EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	7,303.95	418.17
33 14 19 00-0099 EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	8,735.41	471.29
33 14 19 00-0100 EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	12,465.41	578.41
33 14 19 00-0101 Gate Valve, Threaded, WW-V-51 Class A, Type 1 <small>(33 14 19 00-0051)</small>		
Note: NIBCO T-113.		
33 14 19 00-0102 EA 1/4" Gate Valve, Bronze, Threaded.....	23.13	7.28
33 14 19 00-0103 EA 3/8" Gate Valve, Bronze, Threaded.....	23.82	7.28
33 14 19 00-0104 EA 1/2" Gate Valve, Bronze, Threaded.....	23.61	7.28
33 14 19 00-0105 EA 3/4" Gate Valve, Bronze, Threaded.....	30.40	9.83
33 14 19 00-0106 EA 1" Gate Valve, Bronze, Threaded.....	37.48	11.88
33 14 19 00-0107 EA 1-1/4" Gate Valve, Bronze, Threaded.....	50.93	15.04
33 14 19 00-0108 EA 1-1/2" Gate Valve, Bronze, Threaded.....	59.08	17.39
33 14 19 00-0109 EA 2" Gate Valve, Bronze, Threaded.....	71.69	20.33
33 14 19 00-0110 EA 2-1/2" Gate Valve, Bronze, Threaded.....	137.88	27.75
33 14 19 00-0111 EA 3" Gate Valve, Bronze, Threaded.....	165.26	31.83
33 14 19 00-0112 Globe Valve, AWWA <small>(33 14 19 00-0001)</small>		
33 14 19 00-0113 Globe Valve, Threaded, WW-V-51 Class B, Type 1 <small>(33 14 19 00-0112)</small>		
Note: NIBCO T-235.		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 19 00-0114	EA	1/8" Globe Valve, Threaded.....	32.68	7.28
33 14 19 00-0115	EA	1/4" Globe Valve, Threaded.....	31.29	7.28
33 14 19 00-0116	EA	3/8" Globe Valve, Threaded.....	31.98	7.28
33 14 19 00-0117	EA	1/2" Globe Valve, Threaded.....	32.68	7.28
33 14 19 00-0118	EA	3/4" Globe Valve, Threaded.....	44.38	9.83
33 14 19 00-0119	EA	1" Globe Valve, Threaded.....	62.23	11.88
33 14 19 00-0120	EA	1-1/4" Globe Valve, Threaded.....	90.92	15.04
33 14 19 00-0121	EA	1-1/2" Globe Valve, Threaded.....	108.51	17.39
33 14 19 00-0122	EA	2" Globe Valve, Threaded.....	151.32	20.33
33 14 19 00-0123	EA	2-1/2" Globe Valve, Threaded.....	277.57	27.75
33 14 19 00-0124	EA	3" Globe Valve, Threaded.....	379.88	32.00
33 14 19 00-0125		Tapping Valve, AWWA C500 And C509 (33 14 19 00-0001)		
33 14 19 00-0126		Tapping Valve, AWWA C500 And C509 (33 14 19 00-0125)		
		Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0127	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	462.89	55.47
33 14 19 00-0128	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	596.51	70.74
33 14 19 00-0129	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	722.84	88.63
33 14 19 00-0130	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	944.17	149.80
33 14 19 00-0131	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,359.31	191.41
33 14 19 00-0132	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,970.41	233.02
33 14 19 00-0133	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	2,915.84	174.77
33 14 19 00-0134	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	5,274.52	342.76
33 14 19 00-0135	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	6,677.86	377.03
33 14 19 00-0136	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	10,821.91	418.17
33 14 19 00-0137		Accessories For Valves (33 14 19)		
33 14 19 00-0138	EA	1' Valve Extension Stem.....	55.53	
		For Each Additional LF, Add	4.26	
33 14 19 00-0139	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	868.19	41.61
		Note: Excludes valve.		
33 14 19 00-0140	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	986.14	45.77
		Note: Excludes valve.		
33 14 19 00-0141		Roadway Or Curb Valve Boxes (33 14 19)		
		See CSI section 22 05 19 00-0000 for metering.		
33 14 19 00-0142		Round Head, Cast Iron Service, Roadway Or Valve Boxes (33 14 19 00-0141)		
33 14 19 00-0143	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	123.92	5.49
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0144	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	145.33	5.49
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0145	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	146.31	5.49
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0146	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	35.57	2.75
33 14 19 00-0147	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	41.24	2.75
33 14 19 00-0148	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	49.76	2.75
33 14 19 00-0149	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	189.03	6.87
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0150	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	330.88	9.61
		Note: Includes cover, top section, bottom section and #6 round base.		
33 14 19 00-0151	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	370.81	9.61
		Note: Includes cover, top section, bottom section and #6 round base.		
33 14 19 00-0152	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	196.95	6.87
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0153	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	206.49	6.87
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0154	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	199.20	6.87
		Note: Includes cover, top section and bottom section.		
33 14 19 00-0155	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	71.80	2.75
33 14 19 00-0156	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	116.48	11.30
33 14 19 00-0157	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	120.81	11.74
33 14 19 00-0158	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	134.63	12.20
33 14 19 00-0159	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box.....	189.52	12.88
33 14 19 00-0160	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	229.91	13.55
33 14 19 00-0161	EA	18" Cast Iron Service Box Extension Section.....	54.78	
33 14 19 00-0162	EA	#2 Valve Box And Cover, 14 1/4" High, Round Roadway Grade.....	182.21	
		Note: CMB - W19. 14-1/4" H x (8 3/4" O.D. bottom, 15-1/4" O.D. top)		
33 14 19 00-0163	EA	#3 Valve Box And Cover, 12 1/2" High, Round Roadway Grade.....	182.21	
		Note: CMB - W20. 12-1/2" H x (13-1/2" O.D. bottom, 20" O.D. top)		
33 14 19 00-0164		Plastic Roadway Grade Water Meter Box & Cover (33 14 19 00-0141)		
33 14 19 00-0165	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover.....	152.47	15.81
33 14 19 00-0166	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	115.14	11.30
33 14 19 00-0167	EA	Cast Iron Lid For Plastic Meter Box.....	35.21	
33 14 19 00-0168		Centering Plate, Stainless Steel (33 14 19 00-0141)		
33 14 19 00-0169	EA	Type 2 Or Type 3 Stainless Steel Centering Plate.....	250.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0170 Remove And Reinstall Meter <small>(33 14 19 00-0141)</small> Note: Includes removal, cleaning, capping ends, protection of meter, storage, and reinstallation.		
33 14 19 00-0171 EA Remove And Reinstall House Meter.....	64.46	
Note: Includes removal, cleaning, capping ends, protection of meter, storage, and reinstallation.		
33 14 19 00-0172 Butterfly Valves <small>(33 14 19)</small>		
33 14 19 00-0173 Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valves <small>(33 14 19 00-0172)</small>		
33 14 19 00-0174 EA 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,126.48	76.81
33 14 19 00-0175 EA 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,300.61	76.81
33 14 19 00-0176 EA 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,196.71	118.88
33 14 19 00-0177 EA 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,370.84	118.88
33 14 19 00-0178 EA 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,401.62	134.15
33 14 19 00-0179 EA 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,575.75	134.15
33 14 19 00-0180 EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,598.21	171.42
33 14 19 00-0181 EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,773.44	171.42
33 14 19 00-0182 EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD16).....	2,118.59	208.69
33 14 19 00-0183 EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20).....	2,562.23	208.69
33 14 19 00-0184 EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD24).....	2,483.37	252.95
33 14 19 00-0185 EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20).....	2,846.05	252.95
33 14 19 00-0186 EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD12).....	3,253.33	342.76
33 14 19 00-0187 EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20).....	3,847.81	342.76
33 14 19 00-0188 EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16).....	3,912.83	377.03
33 14 19 00-0189 EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20).....	4,292.14	377.03
33 14 19 00-0190 EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16).....	4,938.04	418.17
33 14 19 00-0191 EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20).....	5,317.35	418.17
33 14 19 00-0192 EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 20,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD30).....	5,857.34	471.29
33 14 19 00-0193 EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 20,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20).....	6,096.91	471.29
33 14 19 00-0194 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-HD30).....	8,783.95	578.41
33 14 19 00-0195 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-CW20).....	9,023.51	578.41
33 14 19 00-0196 EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 30,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16).....	20,595.36	1,019.87
33 14 19 00-0197 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 36,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16).....	23,939.46	1,359.83
33 14 19 00-0198 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 42,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD32).....	30,431.35	2,039.75



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 19 00-0199	EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR3-HD24).....	36,939.24	2,549.69
33 14 19 00-0200 Meter Box And Lid <small>(33 14 19)</small>			
33 14 19 00-0201	EA 13" x 24" x 12" Concrete Meter Box Type MB38	78.68	9.76
33 14 19 00-0202	EA 18" x 20" x 12" Concrete Meter Box Type DUAL-H.....	64.53	9.76
33 14 19 00-0203	EA 24" x 48" x 16" Concrete Meter Box Type MV724.....	288.47	16.28
33 14 19 00-0204	EA 11-1/4" x 18-1/8" Cast Iron Heavy Duty Meter Box Cover With Cast Iron Hinged Lid Type 38-H4T.....	186.60	4.56
33 14 19 00-0205	EA 14-9/16" x 16-9/16" Cast Iron Meter Box Cover With Cast Iron Hinged Lid Type DUAL-H4T.....	105.55	3.90
33 14 19 00-0206	EA 24" x 48" x 1/4" Thick Galvanized Steel Meter Box Cover With Reading Opening Type 724.....	366.70	6.50
33 14 19 00-0207 Fire Hydrants <small>(33 14 19)</small>			
Note: Breakaway type.			
33 14 19 00-0208 Three Way, Standard (Traditional) Model Fire Hydrant <small>(33 14 19 00-0207)</small>			
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).			
33 14 19 00-0209	EA 1-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,648.71	104.34
33 14 19 00-0210	EA 2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,700.29	104.34
33 14 19 00-0211	EA 2-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,752.00	104.34
33 14 19 00-0212	EA 3" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,810.93	111.80
33 14 19 00-0213	EA 3-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,862.55	111.80
33 14 19 00-0214	EA 4" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,923.54	121.11
33 14 19 00-0215	EA 4-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,975.09	121.11
33 14 19 00-0216	EA 5" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,036.11	130.43
33 14 19 00-0217	EA 5-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,087.73	130.43
33 14 19 00-0218	EA 6" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,148.59	139.74
33 14 19 00-0219	EA 6-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,209.52	149.06
33 14 19 00-0220	EA 7" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,279.69	167.70
33 14 19 00-0221	EA 1-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,695.78	104.34
33 14 19 00-0222	EA 2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,762.72	104.34
33 14 19 00-0223	EA 2-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,829.49	104.34
33 14 19 00-0224	EA 3" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,903.72	111.80
33 14 19 00-0225	EA 3-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,970.49	111.80
33 14 19 00-0226	EA 4" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,046.82	121.11
33 14 19 00-0227	EA 4-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,113.51	121.11
33 14 19 00-0228	EA 5" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,189.67	130.43
33 14 19 00-0229	EA 5-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,256.42	130.43
33 14 19 00-0230	EA 6" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,332.39	139.74
33 14 19 00-0231	EA 6-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,408.64	149.06
33 14 19 00-0232	EA 7" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,493.94	167.70
33 14 19 00-0233 Two Way, Standard (Traditional) Model Fire Hydrant <small>(33 14 19 00-0207)</small>			
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).			
33 14 19 00-0234	EA 1-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,365.59	104.34
33 14 19 00-0235	EA 2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,416.99	104.34
33 14 19 00-0236	EA 2-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,468.68	104.34
33 14 19 00-0237	EA 3" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,527.82	111.80
33 14 19 00-0238	EA 3-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,579.28	111.80
33 14 19 00-0239	EA 4" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,640.16	121.11
33 14 19 00-0240	EA 4-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,691.79	121.11
33 14 19 00-0241	EA 5" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,752.85	130.43
33 14 19 00-0242	EA 5-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,804.36	130.43
33 14 19 00-0243	EA 6" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,865.50	139.74
33 14 19 00-0244	EA 6-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,926.10	149.06
33 14 19 00-0245	EA 7" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,996.39	167.70
33 14 19 00-0246	EA 1-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,438.30	104.34
33 14 19 00-0247	EA 2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,505.09	104.34
33 14 19 00-0248	EA 2-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,571.77	104.34
33 14 19 00-0249	EA 3" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,646.17	111.80
33 14 19 00-0250	EA 3-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,712.78	111.80
33 14 19 00-0251	EA 4" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,788.99	121.11
33 14 19 00-0252	EA 4-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,855.63	121.11
33 14 19 00-0253	EA 5" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,932.00	130.43
33 14 19 00-0254	EA 5-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,998.61	130.43
33 14 19 00-0255	EA 6" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,074.80	139.74
33 14 19 00-0256	EA 6-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,150.73	149.06
33 14 19 00-0257	EA 7" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,236.39	167.70
33 14 19 00-0258 Three Way, Modern Model Fire Hydrant <small>(33 14 19 00-0207)</small>			
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).			
33 14 19 00-0259	EA 1-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,769.09	104.34
33 14 19 00-0260	EA 2" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,835.77	104.34
33 14 19 00-0261	EA 2-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,902.66	104.34
33 14 19 00-0262	EA 3" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,976.93	111.80
33 14 19 00-0263	EA 3-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,043.66	111.80
33 14 19 00-0264	EA 4" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,119.74	121.11
33 14 19 00-0265	EA 4-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,186.57	121.11
33 14 19 00-0266	EA 5" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,262.67	130.43
33 14 19 00-0267	EA 5-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,329.43	130.43
33 14 19 00-0268	EA 6" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,405.51	130.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0269 EA 6-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,481.80	149.06
33 14 19 00-0270 EA 7" Burial Section, Three Way, Modern Type Fire Hydrant.....	3,566.40	149.06
33 14 19 00-0271 Two Way, Modern Model Fire Hydrant (33 14 19 00-0207)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0272 EA 1-1/2" Burial Section, Two Way, Modern Type Fire Hydrant	1,932.89	104.34
33 14 19 00-0273 EA 2" Burial Section, Two Way, Modern Type Fire Hydrant	1,983.64	104.34
33 14 19 00-0274 EA 2-1/2" Burial Section, Two Way, Modern Type Fire Hydrant	2,034.95	104.34
33 14 19 00-0275 EA 3" Burial Section, Two Way, Modern Type Fire Hydrant	2,092.56	111.80
33 14 19 00-0276 EA 3-1/2" Burial Section, Two Way, Modern Type Fire Hydrant	2,143.30	111.80
33 14 19 00-0277 EA 4" Burial Section, Two Way, Modern Type Fire Hydrant	2,203.34	121.11
33 14 19 00-0278 EA 4-1/2" Burial Section, Two Way, Modern Type Fire Hydrant	2,254.06	121.11
33 14 19 00-0279 EA 5" Burial Section, Two Way, Modern Type Fire Hydrant	2,314.18	130.43
33 14 19 00-0280 EA 5-1/2" Burial Section, Two Way, Modern Type Fire Hydrant	2,364.76	130.43
33 14 19 00-0281 EA 6" Burial Section, Two Way, Modern Type Fire Hydrant	2,424.82	139.74
33 14 19 00-0282 EA 6-1/2" Burial Section, Two Way, Modern Type Fire Hydrant	2,484.94	149.06
33 14 19 00-0283 EA 7" Burial Section, Two Way, Modern Type Fire Hydrant	2,553.68	167.70
33 14 19 00-0284 Fire Hydrant Extension Kits (33 14 19 00-0207)		
33 14 19 00-0285 EA 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	384.07	9.32
33 14 19 00-0286 EA 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	453.53	11.64
33 14 19 00-0287 EA 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	488.45	13.98
33 14 19 00-0288 EA 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	548.59	17.24
33 14 19 00-0289 EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	867.97	17.94
33 14 19 00-0290 EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	929.59	18.63
33 14 19 00-0291 EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	940.56	19.57
33 14 19 00-0292 EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	991.98	20.96
33 14 19 00-0293 EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,083.63	25.15
33 14 19 00-0294 EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,125.28	30.28
33 14 19 00-0295 EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	427.82	10.43
33 14 19 00-0296 EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	503.08	12.67
33 14 19 00-0297 EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	574.27	15.28
33 14 19 00-0298 EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	633.08	19.01
33 14 19 00-0299 EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	897.50	19.75
33 14 19 00-0300 EA 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	959.72	20.50
33 14 19 00-0301 EA 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,000.06	21.62
33 14 19 00-0302 EA 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,179.85	23.10
33 14 19 00-0303 EA 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,281.56	27.58
33 14 19 00-0304 EA 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,325.69	33.17
33 14 19 00-0305 Hydrant Accessories (33 14 19 00-0207)		
33 14 19 00-0306 EA Break-Away Hydrant Flange.....	57.34	3.73
33 14 19 00-0307 EA 6" Hydrant Base.....	287.43	
33 14 19 00-0308 Remove And Reinstall Standard Fire Hydrant (33 14 19 00-0207)		
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0309 EA Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	298.12	
33 14 19 00-0310 EA >5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	434.76	
33 14 19 00-0311 EA Reset Fire Hydrant Upper Barrel	448.37	
Note: Includes Safety Repair Kit		
33 14 23 Enclosures for Water Utility Piping and Valves (33 14)		
See CSI section 22 11 19 00-0357 for Enclosures.		
33 16 Water Utility Storage Tanks (33 10)		
33 16 23 Ground-Level Steel Water Storage Tanks (33 16)		
See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
33 19 Water Utility Metering Equipment (33 10)		
33 19 11 Water Utility Metering (33 19)		
33 19 11 00-0001 Bronze Disk Type Water Service Meters (33 19 11)		
33 19 11 00-0002 EA 5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	123.11	23.50
33 19 11 00-0003 EA 3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	154.82	28.01
33 19 11 00-0004 EA 1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	208.17	32.08
33 19 11 00-0005 EA 1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze.....	405.72	47.89
33 19 11 00-0006 EA 2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze.....	549.84	62.35
33 19 11 00-0007 Flanged Compound Type Water Service Meter (33 19 11)		
33 19 11 00-0008 EA 2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze.....	1,606.66	55.47
33 19 11 00-0009 EA 3" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze.....	1,871.69	70.74
33 19 11 00-0010 EA 4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze.....	3,231.72	133.99
33 19 11 00-0011 EA 6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze.....	4,342.85	149.80
33 19 11 00-0012 EA 8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze.....	9,059.60	191.41
33 19 11 00-0013 EA 10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze.....	15,620.99	233.02

33 Utilities**33 10 Water Utilities****33 19 Water Utility Metering Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 19 11 00-0014		Flanged Turbine Water Service Meter (33 19 11)		
33 19 11 00-0015		Vertical Turbine Meters (33 19 11 00-0014)		
33 19 11 00-0016	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	384.48	43.69
33 19 11 00-0017	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	539.37	55.47
33 19 11 00-0018	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	920.09	70.74
33 19 11 00-0019	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	1,498.56	164.86
33 19 11 00-0020	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	2,646.46	149.80
33 19 11 00-0021		Horizontal Turbine Meters (33 19 11 00-0014)		
33 19 11 00-0022	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	604.31	43.69
33 19 11 00-0023	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged.....	853.19	55.47
33 19 11 00-0024	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	1,045.91	70.74
33 19 11 00-0025	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	1,664.87	164.86
33 19 11 00-0026	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	3,252.42	149.80
33 19 11 00-0027	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	4,360.90	191.41
33 19 11 00-0028	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	6,125.24	233.02
33 19 11 00-0029	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	7,601.82	470.21

33 30 Sanitary Sewerage Utilities (33)**33 31 Sanitary Sewerage Piping (33 30)****33 31 11 Public Sanitary Sewerage Gravity Piping (33 31)**

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31
23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001		Plastic Sewer And Drain Piping (33 31 11)		
33 31 11 00-0002		Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)		
33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	2.54	1.05
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	3.05	1.22
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	4.07	1.42
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	5.09	1.65
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	6.94	1.92
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	9.29	2.23
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	12.69	2.31
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.65	2.39
33 31 11 00-0011		Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)		
		Note: D-2729 PVC pipe.		
33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	3.51	1.42
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	4.15	1.65
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	5.49	1.92
33 31 11 00-0015		Polyvinyl Chloride (PVC) Sewer And Drain Fittings (33 31 11 00-0001)		
33 31 11 00-0016		1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0017	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	8.12	4.89
33 31 11 00-0018	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	10.46	6.33
33 31 11 00-0019	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	15.83	8.50
33 31 11 00-0020	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	21.20	9.84
33 31 11 00-0021	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	58.54	12.78
33 31 11 00-0022	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	93.21	17.20
33 31 11 00-0023	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	123.28	22.91
33 31 11 00-0024		1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0025	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	8.30	4.89
33 31 11 00-0026	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	10.45	6.33
33 31 11 00-0027	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	15.56	8.50
33 31 11 00-0028	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	19.89	9.84
33 31 11 00-0029	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	55.21	12.78
33 31 11 00-0030	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	85.46	17.20
33 31 11 00-0031	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	100.50	22.91
33 31 11 00-0032	EA	12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	145.91	30.51
33 31 11 00-0033		Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0034	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	10.20	4.82
33 31 11 00-0035	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	11.71	6.33
33 31 11 00-0036	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	19.33	8.69
33 31 11 00-0037	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	28.25	10.61
33 31 11 00-0038	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	46.36	12.27
33 31 11 00-0039	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	73.48	13.99
33 31 11 00-0040	EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	113.13	16.31
33 31 11 00-0041	EA	12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	165.09	19.02
33 31 11 00-0042		1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0043 EA 1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	8.68	4.89
33 31 11 00-0044 EA 2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	10.83	6.33
33 31 11 00-0045 EA 3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	16.67	8.50
33 31 11 00-0046 EA 4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	21.95	9.84
33 31 11 00-0047 EA 6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	69.62	12.78
33 31 11 00-0048 EA 8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	109.34	17.20
33 31 11 00-0049 EA 10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	126.95	22.91
33 31 11 00-0050 EA 12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	137.10	30.51
33 31 11 00-0051 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0052 EA 2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	9.95	5.59
33 31 11 00-0053 EA 3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	14.95	6.68
33 31 11 00-0054 EA 3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	15.18	7.36
33 31 11 00-0055 EA 4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	20.26	8.04
33 31 11 00-0056 EA 4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	22.26	9.13
33 31 11 00-0057 EA 6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	51.65	11.29
33 31 11 00-0058 EA 8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	100.82	14.98
33 31 11 00-0059 EA 10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	51.28	16.35
33 31 11 00-0060 EA 10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	68.46	17.84
33 31 11 00-0061 EA 10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	65.84	20.04
33 31 11 00-0062 EA 12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	110.85	21.66
33 31 11 00-0063 EA 12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	118.05	23.85
33 31 11 00-0064 EA 12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	126.46	26.71
33 31 11 00-0065 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0066 EA 1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	12.47	7.41
33 31 11 00-0067 EA 2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	16.32	9.57
33 31 11 00-0068 EA 3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.23	12.63
33 31 11 00-0069 EA 4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	33.55	15.69
33 31 11 00-0070 EA 6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	84.17	17.20
33 31 11 00-0071 EA 8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	109.86	22.91
33 31 11 00-0072 Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0073 EA 1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	13.86	7.41
33 31 11 00-0074 EA 2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	17.12	9.57
33 31 11 00-0075 EA 3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	25.26	12.63
33 31 11 00-0076 EA 4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	35.23	15.69
33 31 11 00-0077 EA 6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	77.86	17.20
33 31 11 00-0078 EA 8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	97.88	22.91
33 31 11 00-0079 EA 10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	129.17	30.57
33 31 11 00-0080 EA 12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	196.47	40.79
33 31 11 00-0081 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0082 EA 2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	16.03	7.41
33 31 11 00-0083 EA 2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	19.23	9.57
33 31 11 00-0084 EA 3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	23.83	12.63
33 31 11 00-0085 EA 4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.92	15.69
33 31 11 00-0086 EA 4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	34.50	15.69
33 31 11 00-0087 Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0088 EA 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	20.23	9.57
33 31 11 00-0089 EA 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.54	12.63
33 31 11 00-0090 EA 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	45.12	17.05
33 31 11 00-0091 EA 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	70.59	20.62
33 31 11 00-0092 EA 2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	25.88	12.63
33 31 11 00-0093 EA 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	40.12	17.05
33 31 11 00-0094 EA 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	62.33	20.62
33 31 11 00-0095 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0096 EA 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	15.58	7.41
33 31 11 00-0097 EA 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	19.81	9.57
33 31 11 00-0098 EA 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	33.35	12.63
33 31 11 00-0099 EA 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	53.37	15.69
33 31 11 00-0100 EA 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	25.67	9.57
33 31 11 00-0101 EA 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	38.66	12.63
33 31 11 00-0102 EA 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.27	12.63
33 31 11 00-0103 EA 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	50.88	15.69
33 31 11 00-0104 EA 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	53.16	15.69
33 31 11 00-0105 Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0106 EA 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	21.57	9.57
33 31 11 00-0107 EA 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.69	12.63
33 31 11 00-0108 EA 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	38.97	17.05
33 31 11 00-0109 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	101.61	20.62

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0110 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	290.80	22.84
33 31 11 00-0111 Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0112 EA 4" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	100.08	37.56
33 31 11 00-0113 EA 6" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	199.77	48.45
33 31 11 00-0114 EA 8" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	260.69	68.28
33 31 11 00-0115 EA 10" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	374.63	109.84
33 31 11 00-0116 Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0117 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	8.04	4.89
33 31 11 00-0118 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	10.19	6.30
33 31 11 00-0119 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	14.61	8.43
33 31 11 00-0120 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	17.92	9.84
33 31 11 00-0121 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	36.76	12.78
33 31 11 00-0122 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	76.56	17.20
33 31 11 00-0123 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	113.08	22.91
33 31 11 00-0124 EA 12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	179.88	30.51
33 31 11 00-0125 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0126 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting.....	48.31	29.21
33 31 11 00-0127 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	34.83	22.22
33 31 11 00-0128 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	35.49	22.22
33 31 11 00-0129 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	37.24	22.22
33 31 11 00-0130 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	48.79	29.21
33 31 11 00-0131 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	47.40	29.21
33 31 11 00-0132 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	45.10	29.21
33 31 11 00-0133 EA 4" Drain Grate, Drain And Sewer Fitting	24.22	15.03
33 31 11 00-0134 Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0135 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	11.92	5.26
33 31 11 00-0136 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	18.91	6.56
33 31 11 00-0137 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	34.43	8.47
33 31 11 00-0138 Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0139 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	8.15	4.89
33 31 11 00-0140 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	10.58	6.33
33 31 11 00-0141 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	15.38	8.50
33 31 11 00-0142 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	19.72	9.84
33 31 11 00-0143 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.36	12.78
33 31 11 00-0144 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	110.68	17.20
33 31 11 00-0145 Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)		
Note: ASTM 3034.		
33 31 11 00-0146 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	6.07	1.65
33 31 11 00-0147 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	9.11	1.92
33 31 11 00-0148 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	13.41	2.23
33 31 11 00-0149 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	18.04	2.31
33 31 11 00-0150 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	23.69	2.39
33 31 11 00-0151 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	33.31	2.48
33 31 11 00-0152 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	44.34	2.57
33 31 11 00-0153 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	59.63	2.79
33 31 11 00-0154 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	73.72	2.71
33 31 11 00-0155 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	92.45	3.53
33 31 11 00-0156 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)		
Note: ASTM 3034.		
33 31 11 00-0157 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	4.90	1.65
33 31 11 00-0158 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	7.03	1.92
33 31 11 00-0159 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	10.04	2.23
33 31 11 00-0160 Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 11 00-0001)		
Note: ASTM 3034.		
33 31 11 00-0161 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0162 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	34.67	8.59
33 31 11 00-0163 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	54.07	10.00
33 31 11 00-0164 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	122.45	11.33
33 31 11 00-0165 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	370.21	13.33
33 31 11 00-0166 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	478.62	16.99
33 31 11 00-0167 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0168 EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	30.49	8.59
33 31 11 00-0169 EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	49.46	10.00
33 31 11 00-0170 EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	110.80	11.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0171 EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	260.48	13.33
33 31 11 00-0172 EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	374.29	16.99
33 31 11 00-0173 EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	814.69	24.00
33 31 11 00-0174 EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,296.60	33.99
33 31 11 00-0175 EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,174.94	44.99
33 31 11 00-0176 EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,966.90	59.98
33 31 11 00-0177 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0178 EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	52.59	12.90
33 31 11 00-0179 EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	91.14	14.29
33 31 11 00-0180 EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	103.50	15.00
33 31 11 00-0181 EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	115.11	15.70
33 31 11 00-0182 EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	133.39	16.39
33 31 11 00-0183 EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	269.84	17.10
33 31 11 00-0184 EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	350.03	17.49
33 31 11 00-0185 EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	398.23	18.33
33 31 11 00-0186 EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	596.10	19.02
33 31 11 00-0187 EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	781.75	19.99
33 31 11 00-0188 EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	430.92	21.30
33 31 11 00-0189 EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	458.08	21.99
33 31 11 00-0190 EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	662.36	22.69
33 31 11 00-0191 EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	964.50	23.66
33 31 11 00-0192 EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,088.10	25.50
33 31 11 00-0193 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0194 EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	49.35	12.90
33 31 11 00-0195 EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	80.33	14.29
33 31 11 00-0196 EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	88.98	15.00
33 31 11 00-0197 EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	110.47	15.70
33 31 11 00-0198 EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	127.86	16.39
33 31 11 00-0199 EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	203.78	17.10
33 31 11 00-0200 EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	318.55	17.63
33 31 11 00-0201 EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	324.59	18.33
33 31 11 00-0202 EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	496.95	19.02
33 31 11 00-0203 EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	550.95	19.99
33 31 11 00-0204 EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	404.75	21.30
33 31 11 00-0205 EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	417.43	21.99
33 31 11 00-0206 EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	606.64	22.69
33 31 11 00-0207 EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	734.68	23.66
33 31 11 00-0208 EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	766.31	25.50
33 31 11 00-0209 EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	945.16	30.66
33 31 11 00-0210 EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,050.12	32.49
33 31 11 00-0211 EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,317.58	35.99
33 31 11 00-0212 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0213 EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	34.30	8.59
33 31 11 00-0214 EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	56.53	10.00
33 31 11 00-0215 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	86.71	11.40
33 31 11 00-0216 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	172.52	13.33
33 31 11 00-0217 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	246.71	16.99
33 31 11 00-0218 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	491.83	24.00
33 31 11 00-0219 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	936.22	33.99
33 31 11 00-0220 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,573.97	44.99
33 31 11 00-0221 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,283.67	59.98
33 31 11 00-0222 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0223 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	72.81	9.30
33 31 11 00-0224 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	107.65	10.00
33 31 11 00-0225 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	113.38	10.69
33 31 11 00-0226 EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	267.84	11.66
33 31 11 00-0227 EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	308.87	12.37
33 31 11 00-0228 EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	345.43	13.50
33 31 11 00-0229 EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	397.75	14.20
33 31 11 00-0230 EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	457.19	15.16
33 31 11 00-0231 EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	690.66	20.49
33 31 11 00-0232 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0233 EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	57.94	
33 31 11 00-0234 EA 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	77.74	
33 31 11 00-0235 EA 8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	79.74	
33 31 11 00-0236 EA 10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	137.85	
33 31 11 00-0237 EA 10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	146.23	
33 31 11 00-0238 EA 10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	290.42	
33 31 11 00-0239 EA 12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	155.95	
33 31 11 00-0240 EA 12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	171.67	
33 31 11 00-0241 EA 12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	404.46	
33 31 11 00-0242 EA 12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	480.11	
33 31 11 00-0243 EA 15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	174.49	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 31 11 00-0244	EA	15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	188.20	
33 31 11 00-0245 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)				
<i>(33 31 11 00-0160)</i>				
33 31 11 00-0246	EA	6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	62.63	
33 31 11 00-0247	EA	8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	77.74	
33 31 11 00-0248	EA	8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	86.13	
33 31 11 00-0249	EA	10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	125.42	
33 31 11 00-0250	EA	10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	145.23	
33 31 11 00-0251	EA	10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	227.84	
33 31 11 00-0252	EA	12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	154.96	
33 31 11 00-0253	EA	12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	170.72	
33 31 11 00-0254	EA	12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	264.33	
33 31 11 00-0255	EA	12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	325.43	
33 31 11 00-0256	EA	15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	173.87	
33 31 11 00-0257	EA	15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	183.55	
33 31 11 00-0258	EA	15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	321.97	
33 31 11 00-0259	EA	15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	358.84	
33 31 11 00-0260	EA	15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	517.30	
33 31 11 00-0261 Couplings And Plug Fittings <i>(33 31 11)</i>				
33 31 11 00-0262 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC)				
Flexible Pipe Couplings <i>(33 31 11 00-0261)</i>				
Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps. Fernco 1056.				
33 31 11 00-0263	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	9.34	2.79
33 31 11 00-0264	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	10.12	3.26
33 31 11 00-0265	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	12.01	3.72
33 31 11 00-0266	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	13.85	3.96
33 31 11 00-0267	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	17.85	4.19
33 31 11 00-0268	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	21.88	4.65
33 31 11 00-0269	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	29.30	5.12
33 31 11 00-0270	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	37.51	5.35
33 31 11 00-0271	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	80.85	5.58
33 31 11 00-0272	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	114.34	6.05
33 31 11 00-0273	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	233.55	6.28
33 31 11 00-0274	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	273.07	6.64
33 31 11 00-0275	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	303.48	6.98
33 31 11 00-0276	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	365.28	7.45
33 31 11 00-0277 Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos				
Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe				
Couplings <i>(33 31 11 00-0261)</i>				
Note: For ductile iron or asbestos cement fiber to ductile iron or asbestos cement fiber (AC/DI to AC/DI). Includes stainless steel clamps. Fernco 1055.				
33 31 11 00-0278	EA	4" x 4" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	22.17	
33 31 11 00-0279	EA	5" x 4" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	35.27	
33 31 11 00-0280	EA	5" x 5" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	32.55	
33 31 11 00-0281	EA	6" x 4" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	44.10	
33 31 11 00-0282	EA	6" x 5" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	46.94	
33 31 11 00-0283	EA	6" x 6" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	41.30	
33 31 11 00-0284	EA	8" x 6" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	67.40	
33 31 11 00-0285	EA	8" x 8" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	59.01	
33 31 11 00-0286	EA	10" x 8" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	87.00	
33 31 11 00-0287	EA	10" x 10" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	77.25	
33 31 11 00-0288	EA	12" x 10" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	106.94	
33 31 11 00-0289	EA	12" x 12" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	91.03	
33 31 11 00-0290	EA	16" x 15" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	155.94	
33 31 11 00-0291 Cast Iron Service Saddles With U Bolt <i>(33 31 11)</i>				
33 31 11 00-0292	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	52.29	
33 31 11 00-0293	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	52.75	
33 31 11 00-0294	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	57.69	
33 31 11 00-0295	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	56.50	
33 31 11 00-0296	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	64.63	
33 31 11 00-0297	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	73.91	
33 31 11 00-0298	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	88.03	
33 31 11 00-0299	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	76.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0300	EA		6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	80.62	
33 31 11 00-0301	EA		6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	95.52	
33 31 11 00-0302	EA		4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	59.12	
33 31 11 00-0303	EA		4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	64.07	
33 31 11 00-0304	EA		4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt.....	80.03	
33 31 11 00-0305	EA		4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	95.55	
33 31 11 00-0306	EA		6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	104.89	

33 34 Onsite Wastewater Disposal (33 30)

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks (33 34)

33 34 13 23 Fiberglass Septic Tank (33 34 13)

33 34 13 23-0001 Fiberglass Septic Tank (33 34 13 23)

33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank.....	1,049.78	208.61
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank.....	1,313.36	278.15
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank.....	1,450.28	252.09
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank.....	1,855.33	272.91
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank.....	2,218.29	378.28
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank.....	5,839.57	521.53
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank.....	10,604.58	782.29
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank.....	11,906.52	1,095.20
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank.....	14,602.66	1,309.01

33 34 13 33 Polyethylene Septic Tank (33 34 13)

33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank (33 34 13 33)

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	638.61	83.22
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,021.55	93.63
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,437.83	114.43
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,468.38	124.83
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,712.04	135.24
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,072.69	145.64
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,460.20	104.03
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,579.80	124.83
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,870.82	135.24
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,211.97	145.64

33 34 51 Drainage Field System (33 34)

33 34 51 00-0001 Leaching Pit - Precast Concrete (33 34 51)

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit.....	468.58	40.80
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit.....	670.05	57.95
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit.....	892.39	69.54
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit.....	1,446.64	115.89
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit.....	2,126.95	162.26

33 34 53 Distribution Chambers (33 34)

33 34 53 13 Drainage Field Concrete Distribution Chambers (33 34 53)

33 34 53 13-0001 Concrete Distribution Boxes (33 34 53 13)

Note: Includes internal and external coating.

33 34 53 13-0002	EA	3 Outlet Concrete Distribution Box.....	169.45	28.32
33 34 53 13-0003	EA	5 Outlet Concrete Distribution Box.....	196.10	33.98
33 34 53 13-0004	EA	8 Outlet Concrete Distribution Box.....	364.82	39.65
33 34 53 13-0005	EA	12 Outlet Concrete Distribution Box.....	732.06	67.96

33 34 53 13-0006 Leaching Field Chambers - Precast Concrete (33 34 53 13)

33 34 53 13-0007	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4".....	563.61	32.69
33 34 53 13-0008	EA	Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6".....	679.22	44.58

33 34 56 Drainage Field Dosing Chambers (33 34)

33 34 56 00-0001 Dosing Siphon (33 34 56)

33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve.....	4,254.57	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon.....	2,942.37	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon.....	2,826.21	

33 40 Stormwater Utilities (33)

33 41 Subdrainage (33 40)

33 41 16 Subdrainage Piping (33 41)

See CSI section 33 42 11 00-0209 for polyethylene drain pipe.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 41 16 00-0001			Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 <small>(33 41 16)</small>		
			Note: Includes fittings, couplings, elbows, etc.		
33 41 16 00-0002	LF		4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	3.33	1.80
33 41 16 00-0003	LF		6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	4.79	2.16
33 41 16 00-0004	LF		8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.60	2.69
33 41 16 00-0005	LF		10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	12.89	3.08
33 41 16 00-0006	LF		12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	16.72	3.58
33 41 16 00-0007	LF		15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	32.65	4.30
33 41 16 00-0008			Perforated Non Reinforced Concrete Drainage Piping, C444 <small>(33 41 16)</small>		
33 41 16 00-0009	LF		6" Perforated Non Reinforced Concrete Drainage Pipe	16.09	4.16
			For Extra Strength, Add	1.19	
			For >1,000, Deduct	-0.80	
33 41 16 00-0010	LF		8" Perforated Non Reinforced Concrete Drainage Pipe	19.11	4.63
			For Extra Strength, Add	1.47	
			For >1,000, Deduct	-0.96	
33 41 16 00-0011	LF		10" Perforated Non Reinforced Concrete Drainage Pipe	21.82	5.09
			For Extra Strength, Add	1.71	
			For >1,000, Deduct	-1.09	
33 41 16 00-0012	LF		12" Perforated Non Reinforced Concrete Drainage Pipe	26.17	5.55
			For Extra Strength, Add	2.14	
			For >1,000, Deduct	-1.31	
33 41 16 00-0013			Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16)</small>		
			Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 00-0014	LF		6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	12.40	4.16
			For >1,000, Deduct	-0.62	
33 41 16 00-0015	LF		8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	13.69	4.63
			For >1,000, Deduct	-0.68	
33 41 16 00-0016	LF		10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	15.13	5.09
			For >1,000, Deduct	-0.76	
33 41 16 00-0017	LF		12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	17.60	5.28
			For >1,000, Deduct	-0.88	
33 41 16 00-0018	LF		15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	20.81	5.95
			For >1,000, Deduct	-1.04	
33 41 16 00-0019	LF		18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	25.68	7.60
			For >1,000, Deduct	-1.28	
33 41 16 00-0020	LF		21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	31.95	9.75
			For >1,000, Deduct	-1.60	
33 41 16 00-0021	LF		24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	39.02	11.89
			For >1,000, Deduct	-1.95	
33 41 16 00-0022			Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16)</small>		
33 41 16 00-0023	LF		6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	11.18	4.16
			For >1,000, Deduct	-0.56	
33 41 16 00-0024	LF		8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	15.04	4.63
			For >1,000, Deduct	-0.75	
33 41 16 00-0025	LF		10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	20.01	5.09
			For >1,000, Deduct	-1.00	
33 41 16 00-0026	LF		12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	25.09	5.55
			For >1,000, Deduct	-1.25	
33 41 16 00-0027	LF		15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	28.97	6.17
			For >1,000, Deduct	-1.45	
33 41 16 00-0028	LF		18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	37.92	7.70
			For >1,000, Deduct	-1.90	
33 41 16 00-0029			Perforated Vitrified Clay Drainage Piping, C700 <small>(33 41 16)</small>		
33 41 16 00-0030	LF		4" Perforated Vitrified Clay Drainage Pipe	10.42	4.63
33 41 16 00-0031	LF		6" Perforated Vitrified Clay Drainage Pipe	12.85	5.20
33 41 16 00-0032	LF		8" Perforated Vitrified Clay Drainage Pipe	15.56	5.20
33 41 16 00-0033	LF		10" Perforated Vitrified Clay Drainage Pipe	21.62	6.36
33 41 16 00-0034	LF		12" Perforated Vitrified Clay Drainage Pipe	26.47	6.93
33 41 16 00-0035			Geotextile Filter Fabric Sock <small>(33 41 16)</small>		
33 41 16 00-0036	LF		3" Geotextile Filter Fabric Sock	0.34	
33 41 16 00-0037	LF		4" Geotextile Filter Fabric Sock	0.45	
33 41 16 00-0038	LF		6" Geotextile Filter Fabric Sock	0.69	
33 41 16 00-0039	LF		8" Geotextile Filter Fabric Sock	0.92	
33 41 16 00-0040	LF		10" Geotextile Filter Fabric Sock	1.45	
33 41 16 00-0041	LF		12" Geotextile Filter Fabric Sock	2.09	
33 41 16 00-0042	LF		15" Geotextile Filter Fabric Sock	2.61	
33 41 16 00-0043			Strip-Perforated, Galvanized, Corrugated Steel Pipe <small>(33 41 16)</small>		
			Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 00-0044	LF		6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	11.03	1.98
			For Full Perforated, Add	0.71	
33 41 16 00-0045	LF		8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	14.12	2.40
			For Full Perforated, Add	0.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 00-0046 LF 10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe.....	17.78	3.05
For Full Perforated, Add	1.17	
33 41 16 00-0047 LF 12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe.....	19.41	3.61
For Full Perforated, Add	1.22	
33 41 16 00-0048 LF 15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe.....	22.81	3.73
For Full Perforated, Add	1.54	
33 41 16 00-0049 LF 18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe.....	26.28	3.87
For Full Perforated, Add	1.85	
33 41 16 00-0050 LF 21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe.....	30.42	4.17
For Full Perforated, Add	2.21	
33 41 16 00-0051 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe (33 41 16)		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 00-0052 LF 6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	12.16	1.98
For Full Perforated, Add	0.82	
33 41 16 00-0053 LF 8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	15.67	2.40
For Full Perforated, Add	1.09	
33 41 16 00-0054 LF 10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	19.66	3.05
For Full Perforated, Add	1.36	
33 41 16 00-0055 LF 12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	21.24	3.61
For Full Perforated, Add	1.40	
33 41 16 00-0056 LF 15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	25.07	3.73
For Full Perforated, Add	1.76	
33 41 16 00-0057 LF 18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	28.96	3.87
For Full Perforated, Add	2.12	
33 41 16 00-0058 LF 21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	33.54	4.17
For Full Perforated, Add	2.52	
33 41 16 00-0059 Strip-Perforated, Corrugated Aluminum Pipe (33 41 16)		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 00-0060 LF 6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe.....	12.53	1.98
For Full Perforated, Add	0.86	
33 41 16 00-0061 LF 8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe.....	16.14	2.40
For Full Perforated, Add	1.13	
33 41 16 00-0062 LF 10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe.....	20.26	3.05
For Full Perforated, Add	1.42	
33 41 16 00-0063 LF 12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe.....	25.76	3.61
For Full Perforated, Add	1.86	
33 41 16 00-0064 LF 15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe.....	30.68	3.73
For Full Perforated, Add	2.32	
33 41 16 00-0065 LF 18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe.....	35.77	3.87
For Full Perforated, Add	2.80	
33 41 16 00-0066 LF 21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe.....	41.48	4.17
For Full Perforated, Add	3.31	
33 41 16 00-0067 Prefabricated Composite Drains (33 41 16)		
33 41 16 00-0068 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) (33 41 16 00-0067)		
Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41 16 00-0069 LF 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	5.40	0.86
For External Typar Geotextile Wrap, Add	1.15	
33 41 16 00-0070 EA Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	24.89	
33 41 16 00-0071 EA End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	24.89	
33 41 16 00-0072 EA Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	51.66	
33 41 16 00-0073 EA End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	51.66	
33 41 16 00-0074 LF 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	8.96	1.08
For External Typar Geotextile Wrap, Add	1.73	
33 41 16 00-0075 EA Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	38.64	
33 41 16 00-0076 EA End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	38.64	
33 41 16 00-0077 EA Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	65.13	
33 41 16 00-0078 EA End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	65.13	
33 41 19 Underslab Drainage (33 41)		
33 41 19 00-0001 Capillary Water Barrier Underslab Drainage (33 41 19)		
Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 41 19 00-0002 CY 2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	30.26	
33 41 19 00-0003 CY 4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	29.39	
33 41 19 00-0004 CY 6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	29.03	
33 41 19 00-0005 CY 8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	28.51	
33 41 43 Synthetic-Media French Drains (33 41)		
33 41 43 00-0001 City Of Miami French Drains (33 41 43)		
Note: Excludes loading spoils, hauling spoils and dewatering.		
33 41 43 00-0002 LF City Of Miami French Trench Drain With 18" Perforated Aluminum Pipe In 15' Excavation, Washed #57 Stone With Filter Fabric, Pea Gravel And Fill Per Detail 35-86-26.....	91.87	
Note: Excludes well pointing.		
For Concrete In Lieu of Aluminum, Add	8.42	
For HDPE In Lieu of Aluminum, Deduct	-10.70	

33	Utilities
33 40	Stormwater Utilities
33 41	Subdrainage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 41 43 00-0003	LF		City Of Miami French Trench Drain With 24" Perforated Aluminum Pipe In 15' Excavation, Washed #57 Stone With Filter Fabric, Pea Gravel And Fill Per Detail 35-86-26.....	107.25	
			Note: Excludes well pointing.		
			For Concrete In Lieu of Aluminum, Add	17.62	
			For HDPE In Lieu of Aluminum, Deduct	-11.37	
33 41 43 00-0004	LF		City Of Miami French Trench Drain With 30" Perforated Aluminum Pipe In 15' Excavation, Washed #57 Stone With Filter Fabric, Pea Gravel And Fill Per Detail 35-86-26.....	125.63	
			Note: Excludes well pointing.		
			For Concrete In Lieu of Aluminum, Add	23.85	
			For HDPE In Lieu of Aluminum, Deduct	-12.38	
33 41 43 00-0005	LF		City Of Miami French Trench Drain With 36" Perforated Aluminum Pipe In 15' Excavation, Washed #57 Stone With Filter Fabric, Pea Gravel And Fill Per Detail 35-86-26.....	145.20	
			Note: Excludes well pointing.		
			For Concrete In Lieu of Aluminum, Add	31.21	
			For HDPE In Lieu of Aluminum, Deduct	-14.21	
33 41 43 00-0006	SY		City Of Miami Swale Trench With 3/4" Gravel, Filter Fabric, Excavation, Backfill And Compaction Per Detail 35-86-45.....	21.47	
			Note: Excludes sod.		
33 41 43 00-0007	SY		City Of Miami Swale Block With #5 Aggregate, #3 Aggregate, Compaction, And Lattice Concrete Swale Blocks Per Detail 35-85-110.....	73.42	

33 42 Stormwater Conveyance ^(33 40)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping ^(33 42)**33 42 11 00-0001 Reinforced Concrete Piping** ^(33 42 11)**33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets** ^(33 42 11 00-0001)

33 42 11 00-0003	LF		12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	24.96	5.55
			For >1,000, Deduct	-1.25	
			For Class 4, Add	1.62	
			For Class 5, Add	5.11	
33 42 11 00-0004	LF		15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	30.63	6.17
			For >1,000, Deduct	-1.53	
			For Class 4, Add	2.07	
			For Class 5, Add	6.54	
33 42 11 00-0005	LF		18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	33.94	7.70
			For >1,000, Deduct	-1.70	
			For Class 4, Add	2.18	
			For Class 5, Add	6.88	
33 42 11 00-0006	LF		21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	43.69	9.71
			For >1,000, Deduct	-2.18	
			For Class 4, Add	2.83	
			For Class 5, Add	8.94	
33 42 11 00-0007	LF		24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	50.58	11.80
			For >1,000, Deduct	-2.53	
			For Class 4, Add	3.20	
			For Class 5, Add	10.12	
33 42 11 00-0008	LF		27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	65.19	15.83
			For >1,000, Deduct	-3.26	
			For Class 4, Add	4.05	
			For Class 5, Add	12.77	
33 42 11 00-0009	LF		30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	69.68	16.35
			For >1,000, Deduct	-3.48	
			For Class 4, Add	4.37	
			For Class 5, Add	13.82	
33 42 11 00-0010	LF		36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	88.73	18.58
			For >1,000, Deduct	-4.44	
			For Class 4, Add	5.93	
			For Class 5, Add	18.74	
33 42 11 00-0011	LF		42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	119.27	20.43
			For >1,000, Deduct	-5.96	
			For Class 4, Add	8.59	
			For Class 5, Add	27.11	
33 42 11 00-0012	LF		48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	144.60	22.76
			For >1,000, Deduct	-7.23	
			For Class 4, Add	10.65	
			For Class 5, Add	33.63	
33 42 11 00-0013	LF		54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	182.71	26.00
			For >1,000, Deduct	-9.14	
			For Class 4, Add	13.83	
			For Class 5, Add	43.67	
33 42 11 00-0014	LF		60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	222.09	30.17
			For >1,000, Deduct	-11.10	
			For Class 4, Add	17.01	
			For Class 5, Add	53.70	
33 42 11 00-0015	LF		66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	358.09	33.44
			For >1,000, Deduct	-17.90	
			For Class 4, Add	29.50	
			For Class 5, Add	93.16	
33 42 11 00-0016	LF		72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	420.68	36.41
			For >1,000, Deduct	-21.03	
			For Class 4, Add	35.02	
			For Class 5, Add	110.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0017 LF 78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	509.24 -25.46 42.82 135.22	40.86
33 42 11 00-0018 LF 84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	664.63 -33.23 56.96 179.88	45.51
33 42 11 00-0019 Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0020 EA 12" Concrete Reducing Wye Without Gaskets	365.42	21.14
33 42 11 00-0021 EA 15" Concrete Reducing Wye Without Gaskets	437.61	25.76
33 42 11 00-0022 EA 18" Concrete Reducing Wye Without Gaskets	545.43	28.41
33 42 11 00-0023 EA 21" Concrete Reducing Wye Without Gaskets	622.49	35.01
33 42 11 00-0024 EA 24" Concrete Reducing Wye Without Gaskets	700.02	42.28
33 42 11 00-0025 Concrete Pipe Joint Gaskets (33 42 11 00-0001)		
33 42 11 00-0026 EA 12" Diameter Concrete Pipe Joint Gasket	3.78	
33 42 11 00-0027 EA 15" Diameter Concrete Pipe Joint Gasket	4.47	
33 42 11 00-0028 EA 18" Diameter Concrete Pipe Joint Gasket	5.18	
33 42 11 00-0029 EA 21" Diameter Concrete Pipe Joint Gasket	6.26	
33 42 11 00-0030 EA 24" Diameter Concrete Pipe Joint Gasket	7.33	
33 42 11 00-0031 EA 27" Diameter Concrete Pipe Joint Gasket	8.17	
33 42 11 00-0032 EA 30" Diameter Concrete Pipe Joint Gasket	8.98	
33 42 11 00-0033 EA 36" Diameter Concrete Pipe Joint Gasket	10.97	
33 42 11 00-0034 EA 42" Diameter Concrete Pipe Joint Gasket	12.71	
33 42 11 00-0035 EA 48" Diameter Concrete Pipe Joint Gasket	14.66	
33 42 11 00-0036 EA 54" Diameter Concrete Pipe Joint Gasket	17.97	
33 42 11 00-0037 EA 60" Diameter Concrete Pipe Joint Gasket	26.60	
33 42 11 00-0038 EA 66" Diameter Concrete Pipe Joint Gasket	33.03	
33 42 11 00-0039 EA 72" Diameter Concrete Pipe Joint Gasket	28.67	
33 42 11 00-0040 EA 78" Diameter Concrete Pipe Joint Gasket	15.56	
33 42 11 00-0041 EA 84" Diameter Concrete Pipe Joint Gasket	18.66	
33 42 11 00-0042 Precast Concrete Cut Off Wall (33 42 11 00-0001)		
33 42 11 00-0043 EA 12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	113.54	65.39
33 42 11 00-0044 EA 15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	139.83	80.99
33 42 11 00-0045 EA 18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	172.07	102.54
33 42 11 00-0046 EA 21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	202.83	122.61
33 42 11 00-0047 EA 24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	232.79	141.88
33 42 11 00-0048 EA 27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	282.90	181.30
33 42 11 00-0049 EA 30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	362.05	249.67
33 42 11 00-0050 EA 36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	448.91	315.05
33 42 11 00-0051 EA 42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	550.37	395.23
33 42 11 00-0052 EA 48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	613.97	445.45
33 42 11 00-0053 EA 54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	684.21	499.32
33 42 11 00-0054 EA 60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	754.99	554.69
33 42 11 00-0055 EA 66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	784.83	575.86
33 42 11 00-0056 EA 72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	811.11	594.44
33 42 11 00-0057 EA 78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	837.40	613.02
33 42 11 00-0058 EA 84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	864.62	631.58
33 42 11 00-0059 Strap Assembly (33 42 11 00-0001)		
Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0060 EA Up To 24" Diameter Pipe, 12' Strap Assembly	118.54	
33 42 11 00-0061 EA >24" Diameter Pipe, 12' Strap Assembly	168.86	
33 42 11 00-0062 Prestressed Concrete Cylinder Piping (33 42 11)		
33 42 11 00-0063 150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0062)		
33 42 11 00-0064 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0063)		
Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0065 LF 12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	81.31 -4.07 -18.35	5.55
33 42 11 00-0066 LF 15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	86.45 -4.32 -19.41	6.17
33 42 11 00-0067 LF 18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	92.87 -4.64 -20.47	7.70
33 42 11 00-0068 LF 21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	100.00 -5.00 -21.53	9.71
33 42 11 00-0069 LF 24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	107.22 -5.36 -22.59	11.80
33 42 11 00-0070 LF 30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	124.81 -6.24 -25.30	16.35

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0071 LF 36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	138.27	18.58
For >1,000, Deduct	-6.91	
For 100 PSI, Deduct	-28.00	
33 42 11 00-0072 LF 42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	161.75	20.43
For >1,000, Deduct	-8.09	
For 100 PSI, Deduct	-33.21	
33 42 11 00-0073 LF 48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	186.22	22.76
For >1,000, Deduct	-9.31	
For 100 PSI, Deduct	-38.43	
33 42 11 00-0074 LF 54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	251.56	32.28
For >1,000, Deduct	-12.58	
For 100 PSI, Deduct	-51.37	
33 42 11 00-0075 LF 60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	304.52	37.44
For >1,000, Deduct	-15.23	
For 100 PSI, Deduct	-62.76	
33 42 11 00-0076 LF 66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	342.88	41.50
For >1,000, Deduct	-17.14	
For 100 PSI, Deduct	-70.97	
33 42 11 00-0077 LF 72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	383.17	45.19
For >1,000, Deduct	-19.16	
For 100 PSI, Deduct	-79.66	
33 42 11 00-0078 LF 78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	435.65	50.72
For >1,000, Deduct	-21.78	
For 100 PSI, Deduct	-90.76	
33 42 11 00-0079 LF 84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	488.13	56.48
For >1,000, Deduct	-24.41	
For 100 PSI, Deduct	-101.86	
33 42 11 00-0080 LF 90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	606.24	65.93
For >1,000, Deduct	-30.31	
For 100 PSI, Deduct	-127.93	
33 42 11 00-0081 LF 96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	715.83	75.30
For >1,000, Deduct	-35.79	
For 100 PSI, Deduct	-152.07	
33 42 11 00-0082 LF 102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	844.27	84.10
For >1,000, Deduct	-42.21	
For 100 PSI, Deduct	-181.03	
33 42 11 00-0083 LF 108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	957.91	89.32
For >1,000, Deduct	-47.90	
For 100 PSI, Deduct	-207.58	
33 42 11 00-0084 LF 114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,168.10	94.52
For >1,000, Deduct	-58.41	
For 100 PSI, Deduct	-258.27	
33 42 11 00-0085 LF 120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,368.02	99.28
For >1,000, Deduct	-68.40	
For 100 PSI, Deduct	-306.55	
33 42 11 00-0086 LF 126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,494.56	104.06
For >1,000, Deduct	-74.73	
For 100 PSI, Deduct	-336.48	
33 42 11 00-0087 LF 132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,623.02	108.83
For >1,000, Deduct	-81.15	
For 100 PSI, Deduct	-366.89	
33 42 11 00-0088 LF 138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,750.52	113.59
For >1,000, Deduct	-87.53	
For 100 PSI, Deduct	-397.06	
33 42 11 00-0089 LF 144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,878.03	118.36
For >1,000, Deduct	-93.90	
For 100 PSI, Deduct	-427.24	
33 42 11 00-0090 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets ⁽³³⁾		
<small>42 11 00-0093</small>		
33 42 11 00-0091 EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	202.53	52.02
33 42 11 00-0092 EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	276.10	74.32
33 42 11 00-0093 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	348.81	99.09
33 42 11 00-0094 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	421.53	123.87
33 42 11 00-0095 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	505.15	153.93
33 42 11 00-0096 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	655.50	206.45
33 42 11 00-0097 EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	828.99	260.06
33 42 11 00-0098 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	964.31	303.53
33 42 11 00-0099 EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,077.78	346.63
33 42 11 00-0100 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,316.06	432.82
33 42 11 00-0101 EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,807.53	645.53
33 42 11 00-0102 EA 66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,006.58	714.69
33 42 11 00-0103 EA 72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,205.63	783.85
33 42 11 00-0104 EA 78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,752.11	899.12
33 42 11 00-0105 EA 84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,296.05	1,014.40
33 42 11 00-0106 EA 90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,943.05	1,152.72
33 42 11 00-0107 EA 96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,587.50	1,291.05
33 42 11 00-0108 EA 102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,335.78	1,690.86
33 42 11 00-0109 EA 108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,977.09	2,029.02
33 42 11 00-0110 EA 114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	10,286.97	2,705.37
33 42 11 00-0111 EA 120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	12,564.84	3,381.71
33 42 11 00-0112 EA 126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,373.90	3,647.41
33 42 11 00-0113 EA 132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	16,184.75	3,913.12
33 42 11 00-0114 EA 138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	22,188.25	4,178.82
33 42 11 00-0115 EA 144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	19,846.99	4,444.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0116 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets ^(33 42 11 00-0063)		
33 42 11 00-0117 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	182.83	52.02
33 42 11 00-0118 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	250.61	74.32
33 42 11 00-0119 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	318.68	99.09
33 42 11 00-0120 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	386.77	123.87
33 42 11 00-0121 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	465.76	153.93
33 42 11 00-0122 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	601.43	192.57
33 42 11 00-0123 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	767.20	260.06
33 42 11 00-0124 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	892.86	303.53
33 42 11 00-0125 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,000.93	346.63
33 42 11 00-0126 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,214.82	432.82
33 42 11 00-0127 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,703.51	645.53
33 42 11 00-0128 EA 66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,895.02	714.69
33 42 11 00-0129 EA 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,086.53	783.85
33 42 11 00-0130 EA 78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,474.10	899.12
33 42 11 00-0131 EA 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,859.14	1,014.40
33 42 11 00-0132 EA 90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,391.67	1,152.72
33 42 11 00-0133 EA 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,921.66	1,291.05
33 42 11 00-0134 EA 102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,200.86	1,613.82
33 42 11 00-0135 EA 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,681.27	2,029.02
33 42 11 00-0136 EA 114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,675.88	2,705.37
33 42 11 00-0137 EA 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	10,638.47	3,381.71
33 42 11 00-0138 EA 126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	12,023.39	3,647.41
33 42 11 00-0139 EA 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	13,410.10	4,444.53
33 42 11 00-0140 EA 138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,805.09	4,178.82
33 42 11 00-0141 EA 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	16,330.71	4,444.53
33 42 11 00-0142 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints ^(33 42 11 00-0062)		
33 42 11 00-0143 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints ^(33 42 11 00-0142)		
Note: AWWA C301		
33 42 11 00-0144 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	150.21	16.35
For >1,000, Deduct	-7.51	
33 42 11 00-0145 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	185.17	18.58
For >1,000, Deduct	-9.26	
33 42 11 00-0146 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	217.43	20.43
For >1,000, Deduct	-10.87	
33 42 11 00-0147 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints ^(33 42 11 00-0142)		
Note: AWWA C301		
33 42 11 00-0148 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	298.06	22.74
For >1,000, Deduct	-14.90	
33 42 11 00-0149 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	358.91	32.28
For >1,000, Deduct	-17.95	
33 42 11 00-0150 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	413.55	37.44
For >1,000, Deduct	-20.68	
33 42 11 00-0151 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	466.34	41.50
For >1,000, Deduct	-23.32	
33 42 11 00-0152 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	569.24	45.19
For >1,000, Deduct	-28.46	
33 42 11 00-0153 Welded Joints For Prestressed Concrete Cylinder Pipe ^(33 42 11 00-0142)		
Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0154 EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,229.93	
33 42 11 00-0155 EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,321.03	
33 42 11 00-0156 EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,366.59	
33 42 11 00-0157 EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,548.80	
33 42 11 00-0158 EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,594.35	
33 42 11 00-0159 EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,685.46	
33 42 11 00-0160 EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,731.01	
33 42 11 00-0161 EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,776.56	
33 42 11 00-0162 EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,277.64	
33 42 11 00-0163 EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,277.64	
33 42 11 00-0164 EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,596.51	
33 42 11 00-0165 EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,596.51	
33 42 11 00-0166 EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,778.73	
33 42 11 00-0167 EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,778.73	
33 42 11 00-0168 EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,006.49	
33 42 11 00-0169 EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,006.49	
33 42 11 00-0170 Quick Test Joints ^(33 42 11 00-0142)		
33 42 11 00-0171 EA 30" Quick Test Joint.....	320.79	
33 42 11 00-0172 EA 36" Quick Test Joint.....	322.65	
33 42 11 00-0173 EA 42" Quick Test Joint.....	324.51	
33 42 11 00-0174 EA 48" Quick Test Joint.....	330.37	
33 42 11 00-0175 EA 54" Quick Test Joint.....	346.51	
33 42 11 00-0176 EA 60" Quick Test Joint.....	357.81	
33 42 11 00-0177 EA 66" Quick Test Joint.....	375.77	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-0178	EA	72" Quick Test Joint.....	393.73	
33 42 11 00-0179		Harnessed Joints (33 42 11 00-0142)		
33 42 11 00-0180		Harness Clamp Restrained Joints (33 42 11 00-0179)		
33 42 11 00-0181	EA	30" Harness Clamp Restrained Joint.....	3,016.69	
33 42 11 00-0182	EA	36" Harness Clamp Restrained Joint.....	3,133.44	
33 42 11 00-0183	EA	42" Harness Clamp Restrained Joint.....	3,250.18	
33 42 11 00-0184	EA	48" Harness Clamp Restrained Joint.....	3,366.91	
33 42 11 00-0185	EA	54" Harness Clamp Restrained Joint.....	3,492.61	
33 42 11 00-0186	EA	60" Harness Clamp Restrained Joint.....	3,669.55	
33 42 11 00-0187	EA	66" Harness Clamp Restrained Joint.....	3,789.05	
33 42 11 00-0188	EA	72" Harness Clamp Restrained Joint.....	4,057.89	
33 42 11 00-0189		Snap Ring Restrained Joints (33 42 11 00-0179)		
33 42 11 00-0190	EA	30" Snap Ring Restrained Joint.....	489.25	
33 42 11 00-0191	EA	36" Snap Ring Restrained Joint.....	560.04	
33 42 11 00-0192	EA	42" Snap Ring Restrained Joint.....	757.21	
33 42 11 00-0193	EA	48" Snap Ring Restrained Joint.....	862.45	
33 42 11 00-0194	EA	54" Snap Ring Restrained Joint.....	976.66	
33 42 11 00-0195	EA	60" Snap Ring Restrained Joint.....	1,107.65	
33 42 11 00-0196	EA	66" Snap Ring Restrained Joint.....	1,227.14	
33 42 11 00-0197	EA	72" Snap Ring Restrained Joint.....	1,369.61	
33 42 11 00-0198		Pipe Repairs (33 42 11 00-0142)		
		Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJD sleeve, 20' pipe.		
33 42 11 00-0199		Lined Cylinder Pipe Repair (33 42 11 00-0198)		
33 42 11 00-0200	EA	30" Lined Cylinder Pipe Repair.....	3,482.12	
33 42 11 00-0201	EA	36" Lined Cylinder Pipe Repair.....	4,333.30	
33 42 11 00-0202	EA	42" Lined Cylinder Pipe Repair.....	5,523.60	
33 42 11 00-0203		Embedded Cylinder Pipe Repair (33 42 11 00-0198)		
		Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0204	EA	48" Embedded Cylinder Pipe Repair.....	8,636.02	
33 42 11 00-0205	EA	54" Embedded Cylinder Pipe Repair.....	10,086.53	
33 42 11 00-0206	EA	60" Embedded Cylinder Pipe Repair.....	11,543.06	
33 42 11 00-0207	EA	66" Embedded Cylinder Pipe Repair.....	13,048.23	
33 42 11 00-0208	EA	72" Embedded Cylinder Pipe Repair.....	15,884.69	
33 42 11 00-0209		High Density Polyethylene (HDPE) Drainage Piping (33 42 11)		
33 42 11 00-0210		Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0209)		
		Note: Excludes couplings and gaskets.		
33 42 11 00-0211		Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0210)		
33 42 11 00-0212	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	6.10	2.59
		For <100, Add	1.04	
		For >1,000, Deduct	-0.31	
33 42 11 00-0213	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	8.36	3.01
		For <100, Add	1.21	
		For >1,000, Deduct	-0.42	
33 42 11 00-0214	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	10.50	3.51
		For <100, Add	1.40	
		For >1,000, Deduct	-0.53	
33 42 11 00-0215	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	12.28	3.63
		For <100, Add	1.45	
		For >1,000, Deduct	-0.61	
33 42 11 00-0216	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	12.97	3.76
		For <100, Add	1.50	
		For >1,000, Deduct	-0.65	
33 42 11 00-0217	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.10	3.89
		For <100, Add	1.55	
		For >1,000, Deduct	-0.76	
33 42 11 00-0218	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.98	4.03
		For <100, Add	1.61	
		For >1,000, Deduct	-0.95	
33 42 11 00-0219	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.84	4.72
		For <100, Add	1.89	
		For >1,000, Deduct	-1.34	
33 42 11 00-0220	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	38.41	6.36
		For <100, Add	2.54	
		For >1,000, Deduct	-1.92	
33 42 11 00-0221	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	50.82	8.03
		For <100, Add	3.21	
		For >1,000, Deduct	-2.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0222			Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0210)</small>		
33 42 11 00-0223	LF		12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	12.88	3.76
			<i>For <100, Add</i>	1.50	
			<i>For >1,000, Deduct</i>	-0.64	
33 42 11 00-0224	LF		15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.48	3.89
			<i>For <100, Add</i>	1.55	
			<i>For >1,000, Deduct</i>	-0.77	
33 42 11 00-0225	LF		18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.56	4.03
			<i>For <100, Add</i>	1.61	
			<i>For >1,000, Deduct</i>	-0.98	
33 42 11 00-0226	LF		24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	27.75	4.72
			<i>For <100, Add</i>	1.89	
			<i>For >1,000, Deduct</i>	-1.39	
33 42 11 00-0227	LF		30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	40.92	6.36
			<i>For <100, Add</i>	2.54	
			<i>For >1,000, Deduct</i>	-2.05	
33 42 11 00-0228	LF		36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	52.68	8.03
			<i>For <100, Add</i>	3.21	
			<i>For >1,000, Deduct</i>	-2.63	
33 42 11 00-0229	LF		42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	70.37	8.76
			<i>For <100, Add</i>	3.50	
			<i>For >1,000, Deduct</i>	-3.52	
33 42 11 00-0230	LF		48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	76.41	9.88
			<i>For <100, Add</i>	3.95	
			<i>For >1,000, Deduct</i>	-3.82	
33 42 11 00-0231			Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0209)</small>		
			Note: Excludes couplings and gaskets.		
33 42 11 00-0232			Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0231)</small>		
33 42 11 00-0233	LF		4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	5.74	2.59
			<i>For <100, Add</i>	1.04	
			<i>For >1,000, Deduct</i>	-0.29	
33 42 11 00-0234	LF		6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	7.28	3.01
			<i>For <100, Add</i>	1.21	
			<i>For >1,000, Deduct</i>	-0.36	
33 42 11 00-0235	LF		8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	9.23	3.51
			<i>For <100, Add</i>	1.40	
			<i>For >1,000, Deduct</i>	-0.46	
33 42 11 00-0236	LF		10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	11.35	3.63
			<i>For <100, Add</i>	1.45	
			<i>For >1,000, Deduct</i>	-0.57	
33 42 11 00-0237	LF		12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	12.62	3.76
			<i>For <100, Add</i>	1.50	
			<i>For >1,000, Deduct</i>	-0.63	
33 42 11 00-0238	LF		15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.21	3.89
			<i>For <100, Add</i>	1.55	
			<i>For >1,000, Deduct</i>	-0.76	
33 42 11 00-0239	LF		18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.71	4.03
			<i>For <100, Add</i>	1.61	
			<i>For >1,000, Deduct</i>	-0.99	
33 42 11 00-0240	LF		24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	27.62	4.72
			<i>For <100, Add</i>	1.89	
			<i>For >1,000, Deduct</i>	-1.38	
33 42 11 00-0241			Perforated, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0209)</small>		
			Note: Excludes couplings and gaskets.		
33 42 11 00-0242			Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0241)</small>		
33 42 11 00-0243	LF		4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	6.58	2.59
			<i>For <100, Add</i>	1.04	
			<i>For >1,000, Deduct</i>	-0.33	
33 42 11 00-0244	LF		6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	8.38	3.01
			<i>For <100, Add</i>	1.21	
			<i>For >1,000, Deduct</i>	-0.42	
33 42 11 00-0245	LF		8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	10.50	3.51
			<i>For <100, Add</i>	1.40	
			<i>For >1,000, Deduct</i>	-0.53	
33 42 11 00-0246	LF		10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	12.29	3.63
			<i>For <100, Add</i>	1.45	
			<i>For >1,000, Deduct</i>	-0.61	
33 42 11 00-0247	LF		12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	12.97	3.76
			<i>For <100, Add</i>	1.50	
			<i>For >1,000, Deduct</i>	-0.65	
33 42 11 00-0248	LF		15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.11	3.89
			<i>For <100, Add</i>	1.55	
			<i>For >1,000, Deduct</i>	-0.76	
33 42 11 00-0249	LF		18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.00	4.03
			<i>For <100, Add</i>	1.61	
			<i>For >1,000, Deduct</i>	-0.95	
33 42 11 00-0250	LF		24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.84	4.72
			<i>For <100, Add</i>	1.89	
			<i>For >1,000, Deduct</i>	-1.34	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0251	LF		30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	38.57	6.36
			<i>For <100, Add</i>	2.54	
			<i>For >1,000, Deduct</i>	-1.93	
33 42 11 00-0252	LF		36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	50.82	8.03
			<i>For <100, Add</i>	3.21	
			<i>For >1,000, Deduct</i>	-2.54	
33 42 11 00-0253			Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0241)</small>		
33 42 11 00-0254	LF		12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	12.89	3.76
			<i>For <100, Add</i>	1.50	
			<i>For >1,000, Deduct</i>	-0.64	
33 42 11 00-0255	LF		15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.50	3.89
			<i>For <100, Add</i>	1.55	
			<i>For >1,000, Deduct</i>	-0.78	
33 42 11 00-0256	LF		18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.58	4.03
			<i>For <100, Add</i>	1.61	
			<i>For >1,000, Deduct</i>	-0.98	
33 42 11 00-0257	LF		24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	27.75	4.72
			<i>For <100, Add</i>	1.89	
			<i>For >1,000, Deduct</i>	-1.39	
33 42 11 00-0258	LF		30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	40.92	6.36
			<i>For <100, Add</i>	2.54	
			<i>For >1,000, Deduct</i>	-2.05	
33 42 11 00-0259	LF		36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	52.68	8.03
			<i>For <100, Add</i>	3.21	
			<i>For >1,000, Deduct</i>	-2.63	
33 42 11 00-0260	LF		42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	70.37	8.76
			<i>For <100, Add</i>	3.50	
			<i>For >1,000, Deduct</i>	-3.52	
33 42 11 00-0261	LF		48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	76.41	9.88
			<i>For <100, Add</i>	3.95	
			<i>For >1,000, Deduct</i>	-3.82	
33 42 11 00-0262			Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0241)</small>		
33 42 11 00-0263	LF		4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	6.05	2.59
			<i>For <100, Add</i>	1.04	
			<i>For >1,000, Deduct</i>	-0.30	
33 42 11 00-0264	LF		6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	7.28	3.01
			<i>For <100, Add</i>	1.21	
			<i>For >1,000, Deduct</i>	-0.36	
33 42 11 00-0265	LF		8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	9.16	3.51
			<i>For <100, Add</i>	1.40	
			<i>For >1,000, Deduct</i>	-0.46	
33 42 11 00-0266	LF		10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.35	3.63
			<i>For <100, Add</i>	1.45	
			<i>For >1,000, Deduct</i>	-0.57	
33 42 11 00-0267	LF		12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	12.62	3.76
			<i>For <100, Add</i>	1.50	
			<i>For >1,000, Deduct</i>	-0.63	
33 42 11 00-0268	LF		15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.21	3.89
			<i>For <100, Add</i>	1.55	
			<i>For >1,000, Deduct</i>	-0.76	
33 42 11 00-0269	LF		18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.71	4.03
			<i>For <100, Add</i>	1.61	
			<i>For >1,000, Deduct</i>	-0.99	
33 42 11 00-0270	LF		24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.62	4.72
			<i>For <100, Add</i>	1.89	
			<i>For >1,000, Deduct</i>	-1.38	
33 42 11 00-0271			Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 42 11 00-0209)</small>		
			Note: Excludes couplings and gaskets.		
33 42 11 00-0272			Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0271)</small>		
33 42 11 00-0273	EA		4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	16.51	8.00
33 42 11 00-0274	EA		6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	20.18	9.34
33 42 11 00-0275	EA		8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	29.63	11.34
33 42 11 00-0276	EA		10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	42.60	14.01
33 42 11 00-0277	EA		12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	62.95	16.67
33 42 11 00-0278	EA		15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	87.46	21.79
33 42 11 00-0279	EA		18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	124.22	29.34
33 42 11 00-0280	EA		24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	155.84	33.49
33 42 11 00-0281	EA		30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	256.86	38.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0282 EA 36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	325.94	44.67
33 42 11 00-0283 EA 42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	526.03	53.35
33 42 11 00-0284 EA 48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	657.40	63.35
33 42 11 00-0285 Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0271)		
33 42 11 00-0286 EA 4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	21.26	8.00
33 42 11 00-0287 EA 6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	25.39	9.34
33 42 11 00-0288 EA 8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	32.92	11.34
33 42 11 00-0289 EA 10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	46.23	14.01
33 42 11 00-0290 EA 12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	74.62	16.67
33 42 11 00-0291 EA 15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	83.88	21.79
33 42 11 00-0292 EA 18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	117.26	29.34
33 42 11 00-0293 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0271)		
33 42 11 00-0294 EA 4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	10.41	5.33
33 42 11 00-0295 EA 6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	12.56	6.23
33 42 11 00-0296 EA 8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	17.12	7.55
33 42 11 00-0297 EA 10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	21.41	9.34
33 42 11 00-0298 EA 12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	29.13	11.11
33 42 11 00-0299 EA 15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	43.39	14.22
33 42 11 00-0300 EA 18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	58.07	19.56
33 42 11 00-0301 EA 24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	98.40	22.22
33 42 11 00-0302 EA 30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	132.67	25.78
33 42 11 00-0303 EA 36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	155.12	29.79
33 42 11 00-0304 EA 42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	196.27	35.56
33 42 11 00-0305 EA 48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	260.70	42.24
33 42 11 00-0306 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0271)		
33 42 11 00-0307 EA 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	10.93	5.33
33 42 11 00-0308 EA 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	13.64	6.23
33 42 11 00-0309 EA 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	17.68	7.55
33 42 11 00-0310 EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	25.91	9.34
33 42 11 00-0311 EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	29.13	11.11
33 42 11 00-0312 EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	43.30	14.22
33 42 11 00-0313 EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	65.32	19.56
33 42 11 00-0314 EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	103.99	22.22
33 42 11 00-0315 EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	132.94	25.78
33 42 11 00-0316 EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	167.19	29.79
33 42 11 00-0317 EA 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	242.84	35.56
33 42 11 00-0318 EA 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	302.44	42.24
33 42 11 00-0319 Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0209)		
Note: Excludes couplings and gaskets.		
33 42 11 00-0320 Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0319)		
33 42 11 00-0321 EA 4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	13.32	8.00
33 42 11 00-0322 EA 6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	15.69	9.34
33 42 11 00-0323 EA 8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	22.42	11.34
33 42 11 00-0324 EA 10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	28.35	14.01
33 42 11 00-0325 EA 12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	38.82	16.67
33 42 11 00-0326 EA 15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	72.80	21.79
33 42 11 00-0327 EA 18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	89.68	29.34
33 42 11 00-0328 EA 24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	152.01	33.34
33 42 11 00-0329 Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0319)		
33 42 11 00-0330 EA 4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	13.51	8.00
33 42 11 00-0331 EA 6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	16.34	9.34
33 42 11 00-0332 EA 8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	29.14	11.34
33 42 11 00-0333 45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0319)		
33 42 11 00-0334 EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	8.95	5.33
33 42 11 00-0335 90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0319)		
33 42 11 00-0336 EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	9.15	5.33
33 42 11 00-0337 EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	11.29	6.23
33 42 11 00-0338 EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	15.43	7.55
33 42 11 00-0339 EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	19.84	9.34



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0340		Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0209)		
		Note: For single and double wall high density polyethylene (HDPE) piping.		
33 42 11 00-0341		Couplings, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0340)		
33 42 11 00-0342	EA	4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.31	
33 42 11 00-0343	EA	6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.56	
33 42 11 00-0344	EA	8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.86	
33 42 11 00-0345	EA	10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.05	
33 42 11 00-0346	EA	12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.13	
33 42 11 00-0347	EA	15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.61	
33 42 11 00-0348	EA	18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.38	
33 42 11 00-0349	EA	24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	3.80	
33 42 11 00-0350	EA	30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.83	
33 42 11 00-0351	EA	36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.62	
33 42 11 00-0352	EA	42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	11.98	
33 42 11 00-0353	EA	48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	16.21	
33 42 11 00-0354		Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0340)		
33 42 11 00-0355	EA	4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.41	
33 42 11 00-0356	EA	6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.18	
33 42 11 00-0357	EA	8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.99	
33 42 11 00-0358	EA	10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.84	
33 42 11 00-0359	EA	12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.34	
33 42 11 00-0360	EA	15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	23.07	
33 42 11 00-0361	EA	18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	24.06	
33 42 11 00-0362	EA	24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.41	
33 42 11 00-0363	EA	30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	43.94	
33 42 11 00-0364	EA	36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	48.12	
33 42 11 00-0365	EA	42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.44	
33 42 11 00-0366	EA	48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	63.68	
33 42 11 00-0367		End Caps, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0340)		
33 42 11 00-0368	EA	6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	15.53	
33 42 11 00-0369	EA	8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	18.53	
33 42 11 00-0370	EA	10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	31.84	
33 42 11 00-0371	EA	12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	56.27	
33 42 11 00-0372	EA	15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	65.82	
33 42 11 00-0373	EA	18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	89.99	
33 42 11 00-0374	EA	24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	92.82	
33 42 11 00-0375		High Performance Polypropylene Drainage Piping (33 42 11)		
33 42 11 00-0376		Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Piping (33 42 11 00-0375)		
33 42 11 00-0377	LF	15" Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe	17.58	3.89
33 42 11 00-0378	LF	18" Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe	21.02	4.03
33 42 11 00-0379	LF	24" Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe	31.26	4.72
33 42 11 00-0380	LF	30" Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe	46.68	6.36
33 42 11 00-0381	LF	36" Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe	53.34	8.03
33 42 11 00-0382	LF	42" Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe	65.30	8.76
33 42 11 00-0383	LF	48" Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe	82.39	9.88
33 42 11 00-0384	LF	60" Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe	120.48	11.15
33 42 11 00-0385		Perforated, Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Piping (33 42 11 00-0375)		
33 42 11 00-0386	LF	15" Perforated, Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe.....	18.95	3.89
33 42 11 00-0387	LF	18" Perforated, Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe.....	22.39	4.03
33 42 11 00-0388	LF	24" Perforated, Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe.....	32.63	4.72
33 42 11 00-0389	LF	30" Perforated, Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe.....	48.06	6.36
33 42 11 00-0390	LF	36" Perforated, Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe.....	55.54	8.03
33 42 11 00-0391	LF	42" Perforated, Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe.....	68.59	8.76
33 42 11 00-0392	LF	48" Perforated, Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe.....	85.69	9.88



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0393 LF 60" Perforated, Smooth Interior, Double Wall, Extended Bell, Double Gasket, High Performance Polypropylene Drainage Pipe.....	123.78	11.15
33 42 11 00-0394 Vitrified Clay Piping (33 42 11)		
33 42 11 00-0395 Extra Strength Vitrified Clay Piping (33 42 11 00-0394)		
33 42 11 00-0396 Plain Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0395) Note: ASTM C700.		
33 42 11 00-0397 LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	9.57	
For 3' Lengths, Add	1.16	
For 2' Lengths, Add	1.54	
For Standard Strength, Deduct	-0.39	
For >1,000, Deduct	-0.48	
33 42 11 00-0398 LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	15.72	
For 3' Lengths, Add	1.80	
For 2' Lengths, Add	2.40	
For Standard Strength, Deduct	-0.60	
For >1,000, Deduct	-0.79	
33 42 11 00-0399 LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	19.37	
For 3' Lengths, Add	2.57	
For 2' Lengths, Add	3.42	
For Standard Strength, Deduct	-0.86	
For >1,000, Deduct	-0.97	
33 42 11 00-0400 LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	24.16	
For 3' Lengths, Add	3.93	
For 2' Lengths, Add	5.24	
For Standard Strength, Deduct	-1.31	
For >1,000, Deduct	-1.21	
33 42 11 00-0401 LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	30.56	
For 3' Lengths, Add	5.55	
For 2' Lengths, Add	7.40	
For Standard Strength, Deduct	-1.85	
For >1,000, Deduct	-1.53	
33 42 11 00-0402 LF 15" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	48.12	
For 3' Lengths, Add	10.41	
For 2' Lengths, Add	13.88	
For Standard Strength, Deduct	-3.47	
For >1,000, Deduct	-2.41	
33 42 11 00-0403 LF 18" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	66.47	
For 3' Lengths, Add	14.93	
For 2' Lengths, Add	19.90	
For Standard Strength, Deduct	-4.98	
For >1,000, Deduct	-3.32	
33 42 11 00-0404 LF 21" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	100.80	
For 3' Lengths, Add	23.91	
For 2' Lengths, Add	31.88	
For Standard Strength, Deduct	-7.97	
For >1,000, Deduct	-5.04	
33 42 11 00-0405 LF 24" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	129.75	
For 3' Lengths, Add	31.24	
For 2' Lengths, Add	41.66	
For Standard Strength, Deduct	-10.41	
For >1,000, Deduct	-6.49	
33 42 11 00-0406 LF 30" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	160.94	
For 3' Lengths, Add	38.96	
For 2' Lengths, Add	51.94	
For Standard Strength, Deduct	-12.99	
For >1,000, Deduct	-8.05	
33 42 11 00-0407 LF 36" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	194.61	
For 3' Lengths, Add	47.06	
For 2' Lengths, Add	62.74	
For Standard Strength, Deduct	-15.69	
For >1,000, Deduct	-9.73	
33 42 11 00-0408 Compression Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0395) Note: ASTM C425.		
33 42 11 00-0409 LF 4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	13.20	
For 3' Lengths, Add	1.37	
For 2' Lengths, Add	1.82	
For Standard Strength, Deduct	-0.46	
For >1,000, Deduct	-0.66	
33 42 11 00-0410 LF 6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	17.16	
For 3' Lengths, Add	2.23	
For 2' Lengths, Add	2.97	
For Standard Strength, Deduct	-0.74	
For >1,000, Deduct	-0.86	
33 42 11 00-0411 LF 8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	21.30	
For 3' Lengths, Add	3.15	
For 2' Lengths, Add	4.20	
For Standard Strength, Deduct	-1.05	
For >1,000, Deduct	-1.07	
33 42 11 00-0412 LF 10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	28.28	
For 3' Lengths, Add	5.17	
For 2' Lengths, Add	6.89	
For Standard Strength, Deduct	-1.72	
For >1,000, Deduct	-1.41	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-0413	LF	12"	Compression Joint, Extra Strength, Vitrified Clay Pipe.....	34.68
			<i>For 3' Lengths, Add</i>	6.79
			<i>For 2' Lengths, Add</i>	9.05
			<i>For Standard Strength, Deduct</i>	-2.26
			<i>For >1,000, Deduct</i>	-1.73
33 42 11 00-0414	LF	15"	Compression Joint, Extra Strength, Vitrified Clay Pipe.....	54.68
			<i>For 3' Lengths, Add</i>	12.38
			<i>For 2' Lengths, Add</i>	16.51
			<i>For Standard Strength, Deduct</i>	-4.13
			<i>For >1,000, Deduct</i>	-2.73
33 42 11 00-0415	LF	18"	Compression Joint, Extra Strength, Vitrified Clay Pipe.....	77.14
			<i>For 3' Lengths, Add</i>	18.13
			<i>For 2' Lengths, Add</i>	24.17
			<i>For Standard Strength, Deduct</i>	-6.04
			<i>For >1,000, Deduct</i>	-3.86
33 42 11 00-0416	LF	21"	Compression Joint, Extra Strength, Vitrified Clay Pipe.....	113.01
			<i>For 3' Lengths, Add</i>	27.58
			<i>For 2' Lengths, Add</i>	36.77
			<i>For Standard Strength, Deduct</i>	-9.19
			<i>For >1,000, Deduct</i>	-5.65
33 42 11 00-0417	LF	24"	Compression Joint, Extra Strength, Vitrified Clay Pipe.....	149.03
			<i>For 3' Lengths, Add</i>	37.03
			<i>For 2' Lengths, Add</i>	49.37
			<i>For Standard Strength, Deduct</i>	-12.34
			<i>For >1,000, Deduct</i>	-7.45
33 42 11 00-0418	LF	30"	Compression Joint, Extra Strength, Vitrified Clay Pipe.....	245.79
			<i>For 3' Lengths, Add</i>	64.41
			<i>For 2' Lengths, Add</i>	85.88
			<i>For Standard Strength, Deduct</i>	-21.47
			<i>For >1,000, Deduct</i>	-12.29
33 42 11 00-0419	LF	36"	Compression Joint, Extra Strength, Vitrified Clay Pipe.....	354.02
			<i>For 3' Lengths, Add</i>	94.88
			<i>For 2' Lengths, Add</i>	126.50
			<i>For Standard Strength, Deduct</i>	-31.63
			<i>For >1,000, Deduct</i>	-17.70
33 42 11 00-0420			Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-0394)	
33 42 11 00-0421			1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0420)	
33 42 11 00-0422			Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-0421)	
33 42 11 00-0423	EA	4"	Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	44.66
33 42 11 00-0424	EA	6"	Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	62.01
33 42 11 00-0425	EA	8"	Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	92.28
33 42 11 00-0426	EA	10"	Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	131.09
33 42 11 00-0427	EA	12"	Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	176.78
33 42 11 00-0428	EA	15"	Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	448.71
33 42 11 00-0429	EA	18"	Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	636.66
33 42 11 00-0430	EA	21"	Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,001.97
33 42 11 00-0431	EA	24"	Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,154.24
33 42 11 00-0432	EA	30"	Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,336.54
33 42 11 00-0433	EA	36"	Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,026.48
33 42 11 00-0434			Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0421)	
33 42 11 00-0435	EA	4"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	49.67
33 42 11 00-0436	EA	6"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	73.68
33 42 11 00-0437	EA	8"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	102.95
33 42 11 00-0438	EA	10"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	142.36
33 42 11 00-0439	EA	12"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	183.86
33 42 11 00-0440	EA	15"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	501.56
33 42 11 00-0441	EA	18"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	735.42
33 42 11 00-0442	EA	21"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	748.00
33 42 11 00-0443	EA	24"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,481.70
33 42 11 00-0444	EA	30"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,643.11
33 42 11 00-0445	EA	36"	Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,464.73
33 42 11 00-0446			1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0420)	
33 42 11 00-0447			Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0446)	
33 42 11 00-0448	EA	4"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	50.37
33 42 11 00-0449	EA	6"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	68.89
33 42 11 00-0450	EA	8"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	100.33
33 42 11 00-0451	EA	10"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	139.64
33 42 11 00-0452	EA	12"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	186.42
33 42 11 00-0453	EA	15"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	459.44
33 42 11 00-0454	EA	18"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	650.03
33 42 11 00-0455	EA	21"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,018.84
33 42 11 00-0456	EA	24"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,174.72
33 42 11 00-0457	EA	30"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,362.10
33 42 11 00-0458	EA	36"	Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,054.88
33 42 11 00-0459			Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0446)	
33 42 11 00-0460	EA	4"	Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	56.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0461 EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	81.94	
33 42 11 00-0462 EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	112.60	
33 42 11 00-0463 EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	152.62	
33 42 11 00-0464 EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	195.42	
33 42 11 00-0465 EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	514.43	
33 42 11 00-0466 EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	751.47	
33 42 11 00-0467 EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,488.93	
33 42 11 00-0468 EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,506.28	
33 42 11 00-0469 EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,673.77	
33 42 11 00-0470 EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,498.81	
33 42 11 00-0471 Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0420)		
33 42 11 00-0472 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0471)		
33 42 11 00-0473 EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	53.01	
33 42 11 00-0474 EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	71.15	
33 42 11 00-0475 EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	101.08	
33 42 11 00-0476 EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	139.13	
33 42 11 00-0477 EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	180.05	
33 42 11 00-0478 EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	456.77	
33 42 11 00-0479 EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	644.98	
33 42 11 00-0480 EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	940.58	
33 42 11 00-0481 EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,319.48	
33 42 11 00-0482 EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,382.81	
33 42 11 00-0483 EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,018.27	
33 42 11 00-0484 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0471)		
33 42 11 00-0485 EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	65.18	
33 42 11 00-0486 EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	93.24	
33 42 11 00-0487 EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	126.87	
33 42 11 00-0488 EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	169.86	
33 42 11 00-0489 EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	216.31	
33 42 11 00-0490 EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	556.23	
33 42 11 00-0491 EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	810.49	
33 42 11 00-0492 EA 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,215.93	
33 42 11 00-0493 EA 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,618.87	
33 42 11 00-0494 EA 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,864.75	
33 42 11 00-0495 EA 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	2,680.55	
33 42 11 00-0496 Corrugated Metal Piping (33 42 11)		
33 42 11 00-0497 Galvanized Corrugated Steel Piping (33 42 11 00-0496)		
33 42 11 00-0498 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0497)		
33 42 11 00-0499 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0498)		
33 42 11 00-0500 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	16.77	3.47
For Bituminous Coated Pipe, Add	2.32	
For Bituminous Coated And 25% Paved, Add	4.74	
For Smooth-Flo, Add	8.46	
33 42 11 00-0501 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	19.51	3.63
For Bituminous Coated Pipe, Add	2.92	
For Bituminous Coated And 25% Paved, Add	5.96	
For Smooth-Flo, Add	10.65	
33 42 11 00-0502 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	22.34	3.96
For Bituminous Coated Pipe, Add	3.53	
For Bituminous Coated And 25% Paved, Add	7.23	
For Smooth-Flo, Add	12.91	
33 42 11 00-0503 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	25.81	4.30
For Bituminous Coated Pipe, Add	4.23	
For Bituminous Coated And 25% Paved, Add	8.64	
For Smooth-Flo, Add	15.43	
33 42 11 00-0504 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	28.71	4.63
For Bituminous Coated Pipe, Add	4.76	
For Bituminous Coated And 25% Paved, Add	9.73	
For Smooth-Flo, Add	17.37	
33 42 11 00-0505 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	37.68	5.95
For Bituminous Coated Pipe, Add	6.17	
For Bituminous Coated And 25% Paved, Add	12.62	
For Smooth-Flo, Add	22.53	
33 42 11 00-0506 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	49.49	8.17
For Bituminous Coated Pipe, Add	7.78	
For Bituminous Coated And 25% Paved, Add	15.91	
For Smooth-Flo, Add	28.42	
33 42 11 00-0507 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	56.97	9.66
For Bituminous Coated Pipe, Add	9.21	
For Bituminous Coated And 25% Paved, Add	18.83	
For Smooth-Flo, Add	33.64	
33 42 11 00-0508 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	63.95	11.14
For Bituminous Coated Pipe, Add	10.31	
For Bituminous Coated And 25% Paved, Add	21.10	
For Smooth-Flo, Add	37.68	

33 Utilities

33 40 Stormwater Utilities

33 42 Stormwater Conveyance


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0509			14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
			<small>42 11 00-0498</small>		
33 42 11 00-0510	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	18.84	3.47
			For Bituminous Coated Pipe, Add	2.35	
			For Bituminous Coated And 25% Paved, Add	5.45	
			For Smooth-Flo, Add	11.01	
33 42 11 00-0511	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	22.06	3.63
			For Bituminous Coated Pipe, Add	2.95	
			For Bituminous Coated And 25% Paved, Add	6.83	
			For Smooth-Flo, Add	13.81	
33 42 11 00-0512	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	25.42	3.96
			For Bituminous Coated Pipe, Add	3.57	
			For Bituminous Coated And 25% Paved, Add	8.27	
			For Smooth-Flo, Add	16.73	
33 42 11 00-0513	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	29.37	4.30
			For Bituminous Coated Pipe, Add	4.25	
			For Bituminous Coated And 25% Paved, Add	9.84	
			For Smooth-Flo, Add	19.88	
33 42 11 00-0514	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	32.85	4.63
			For Bituminous Coated Pipe, Add	4.81	
			For Bituminous Coated And 25% Paved, Add	11.13	
			For Smooth-Flo, Add	22.51	
33 42 11 00-0515	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	42.73	5.95
			For Bituminous Coated Pipe, Add	6.17	
			For Bituminous Coated And 25% Paved, Add	14.29	
			For Smooth-Flo, Add	28.89	
33 42 11 00-0516	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	55.63	8.17
			For Bituminous Coated Pipe, Add	7.73	
			For Bituminous Coated And 25% Paved, Add	17.92	
			For Smooth-Flo, Add	36.22	
33 42 11 00-0517	LF		42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	63.99	9.66
			For Bituminous Coated Pipe, Add	9.10	
			For Bituminous Coated And 25% Paved, Add	21.09	
			For Smooth-Flo, Add	42.64	
33 42 11 00-0518	LF		48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	71.98	11.14
			For Bituminous Coated Pipe, Add	10.23	
			For Bituminous Coated And 25% Paved, Add	23.70	
			For Smooth-Flo, Add	47.91	
33 42 11 00-0519	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	86.77	12.63
			For Bituminous Coated Pipe, Add	12.58	
			For Bituminous Coated And 25% Paved, Add	29.15	
			For Smooth-Flo, Add	58.93	
33 42 11 00-0520			12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
			<small>42 11 00-0498</small>		
33 42 11 00-0521	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	31.79	3.96
			For Bituminous Coated Pipe, Add	4.09	
			For Bituminous Coated And 25% Paved, Add	7.38	
			For Smooth-Flo, Add	14.19	
33 42 11 00-0522	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	36.78	4.30
			For Bituminous Coated Pipe, Add	4.83	
			For Bituminous Coated And 25% Paved, Add	8.73	
			For Smooth-Flo, Add	16.77	
33 42 11 00-0523	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	41.29	4.30
			For Bituminous Coated Pipe, Add	5.48	
			For Bituminous Coated And 25% Paved, Add	9.89	
			For Smooth-Flo, Add	19.02	
33 42 11 00-0524	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	53.17	5.95
			For Bituminous Coated Pipe, Add	6.97	
			For Bituminous Coated And 25% Paved, Add	12.58	
			For Smooth-Flo, Add	24.18	
33 42 11 00-0525	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	68.01	8.17
			For Bituminous Coated Pipe, Add	8.61	
			For Bituminous Coated And 25% Paved, Add	15.56	
			For Smooth-Flo, Add	29.90	
33 42 11 00-0526	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	78.30	9.66
			For Bituminous Coated Pipe, Add	10.09	
			For Bituminous Coated And 25% Paved, Add	18.23	
			For Smooth-Flo, Add	35.03	
33 42 11 00-0527	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	88.38	11.14
			For Bituminous Coated Pipe, Add	11.40	
			For Bituminous Coated And 25% Paved, Add	20.58	
			For Smooth-Flo, Add	39.56	
33 42 11 00-0528	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	104.88	12.63
			For Bituminous Coated Pipe, Add	13.67	
			For Bituminous Coated And 25% Paved, Add	24.68	
			For Smooth-Flo, Add	47.44	
33 42 11 00-0529	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	114.72	13.37
			For Bituminous Coated Pipe, Add	14.97	
			For Bituminous Coated And 25% Paved, Add	27.03	
			For Smooth-Flo, Add	51.95	
33 42 11 00-0530	LF		66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	139.20	16.35
			For Bituminous Coated Pipe, Add	18.22	
			For Bituminous Coated And 25% Paved, Add	32.91	
			For Smooth-Flo, Add	63.24	
33 42 11 00-0531			10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
			<small>42 11 00-0498</small>		



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0532	LF	36"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	79.61 10.96 18.31 26.12	8.17
33 42 11 00-0533	LF	42"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	91.86 12.84 21.44 30.60	9.66
33 42 11 00-0534	LF	48"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	103.77 14.51 24.24 34.58	11.14
33 42 11 00-0535	LF	54"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	122.12 17.18 28.71 40.96	12.63
33 42 11 00-0536	LF	60"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	133.91 18.87 31.53 44.99	13.37
33 42 11 00-0537	LF	66"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	160.29 22.58 37.71 53.81	16.35
33 42 11 00-0538	LF	72"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	185.02 24.24 40.49 57.78	23.78
33 42 11 00-0539			3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0497)</small>		
33 42 11 00-0540			16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0539)</small>		
33 42 11 00-0541	LF	36"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	60.12 8.56 19.42 38.67	8.17
33 42 11 00-0542	LF	42"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	69.16 10.05 22.81 45.42	9.66
33 42 11 00-0543	LF	48"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	77.68 11.27 25.58 50.94	11.14
33 42 11 00-0544	LF	54"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	93.31 13.77 31.25 62.22	12.63
33 42 11 00-0545	LF	60"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	101.66 15.00 34.05 67.79	13.37
33 42 11 00-0546	LF	66"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	128.33 19.26 43.73 87.07	16.35
33 42 11 00-0547	LF	72"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	149.96 20.53 46.61 92.81	23.78
33 42 11 00-0548	LF	78"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	161.05 21.81 49.50 98.57	26.00
33 42 11 00-0549	LF	84"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	171.15 23.08 52.40 104.34	27.87
33 42 11 00-0550	LF	90"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	181.25 24.36 55.30 110.12	29.72
33 42 11 00-0551	LF	96"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	191.59 25.63 58.18 115.86	31.58
33 42 11 00-0552	LF	102"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	203.02 26.92 61.10 121.66	33.44
33 42 11 00-0553			14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0539)</small>		
33 42 11 00-0554	LF	54"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	104.16 15.94 31.23 63.11	12.63

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0555 LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	113.66	13.37
For Bituminous Coated Pipe, Add	17.40	
For Bituminous Coated And 25% Paved, Add	34.10	
For Smooth-Flo, Add	68.90	
33 42 11 00-0556 LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	141.53	16.35
For Bituminous Coated Pipe, Add	21.90	
For Bituminous Coated And 25% Paved, Add	42.93	
For Smooth-Flo, Add	86.74	
33 42 11 00-0557 LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	164.34	23.78
For Bituminous Coated Pipe, Add	23.41	
For Bituminous Coated And 25% Paved, Add	45.88	
For Smooth-Flo, Add	92.70	
33 42 11 00-0558 LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	176.59	26.00
For Bituminous Coated Pipe, Add	24.92	
For Bituminous Coated And 25% Paved, Add	48.84	
For Smooth-Flo, Add	98.67	
33 42 11 00-0559 LF 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	187.91	27.87
For Bituminous Coated Pipe, Add	26.44	
For Bituminous Coated And 25% Paved, Add	51.81	
For Smooth-Flo, Add	104.69	
33 42 11 00-0560 LF 90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	199.15	29.72
For Bituminous Coated Pipe, Add	27.94	
For Bituminous Coated And 25% Paved, Add	54.77	
For Smooth-Flo, Add	110.65	
33 42 11 00-0561 LF 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	210.66	31.58
For Bituminous Coated Pipe, Add	29.45	
For Bituminous Coated And 25% Paved, Add	57.71	
For Smooth-Flo, Add	116.61	
33 42 11 00-0562 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	223.25	33.44
For Bituminous Coated Pipe, Add	30.96	
For Bituminous Coated And 25% Paved, Add	60.69	
For Smooth-Flo, Add	122.61	
33 42 11 00-0563 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	236.69	37.16
For Bituminous Coated Pipe, Add	32.48	
For Bituminous Coated And 25% Paved, Add	63.66	
For Smooth-Flo, Add	128.61	
33 42 11 00-0564 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	249.84	40.86
For Bituminous Coated Pipe, Add	33.96	
For Bituminous Coated And 25% Paved, Add	66.57	
For Smooth-Flo, Add	134.50	
33 42 11 00-0565 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0539)		
33 42 11 00-0566 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	140.28	13.37
For Bituminous Coated Pipe, Add	22.72	
For Bituminous Coated And 25% Paved, Add	43.29	
For Smooth-Flo, Add	70.55	
33 42 11 00-0567 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	171.02	16.35
For Bituminous Coated Pipe, Add	27.80	
For Bituminous Coated And 25% Paved, Add	52.96	
For Smooth-Flo, Add	86.33	
33 42 11 00-0568 LF 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	196.40	23.78
For Bituminous Coated Pipe, Add	29.82	
For Bituminous Coated And 25% Paved, Add	56.81	
For Smooth-Flo, Add	92.60	
33 42 11 00-0569 LF 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	211.25	26.00
For Bituminous Coated Pipe, Add	31.85	
For Bituminous Coated And 25% Paved, Add	60.67	
For Smooth-Flo, Add	98.89	
33 42 11 00-0570 LF 84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	225.14	27.87
For Bituminous Coated Pipe, Add	33.88	
For Bituminous Coated And 25% Paved, Add	64.55	
For Smooth-Flo, Add	105.20	
33 42 11 00-0571 LF 90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	238.97	29.72
For Bituminous Coated Pipe, Add	35.91	
For Bituminous Coated And 25% Paved, Add	68.40	
For Smooth-Flo, Add	111.49	
33 42 11 00-0572 LF 96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	253.11	31.58
For Bituminous Coated Pipe, Add	37.94	
For Bituminous Coated And 25% Paved, Add	72.27	
For Smooth-Flo, Add	117.79	
33 42 11 00-0573 LF 102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	268.30	33.44
For Bituminous Coated Pipe, Add	39.97	
For Bituminous Coated And 25% Paved, Add	76.15	
For Smooth-Flo, Add	124.11	
33 42 11 00-0574 LF 108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	284.28	37.16
For Bituminous Coated Pipe, Add	42.00	
For Bituminous Coated And 25% Paved, Add	80.00	
For Smooth-Flo, Add	130.40	
33 42 11 00-0575 LF 114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	300.05	40.86
For Bituminous Coated Pipe, Add	44.01	
For Bituminous Coated And 25% Paved, Add	83.83	
For Smooth-Flo, Add	136.64	
33 42 11 00-0576 LF 120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	315.48	44.58
For Bituminous Coated Pipe, Add	46.04	
For Bituminous Coated And 25% Paved, Add	87.71	
For Smooth-Flo, Add	142.96	



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0577 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0539)</small>		
33 42 11 00-0578 LF 72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	226.29	23.78
For Bituminous Coated Pipe, Add	35.80	
For Bituminous Coated And 25% Paved, Add	68.02	
For Smooth-Flo, Add	90.93	
33 42 11 00-0579 LF 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	243.59	26.00
For Bituminous Coated Pipe, Add	38.32	
For Bituminous Coated And 25% Paved, Add	72.80	
For Smooth-Flo, Add	97.32	
33 42 11 00-0580 LF 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	259.94	27.87
For Bituminous Coated Pipe, Add	40.84	
For Bituminous Coated And 25% Paved, Add	77.60	
For Smooth-Flo, Add	103.74	
33 42 11 00-0581 LF 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	276.23	29.72
For Bituminous Coated Pipe, Add	43.36	
For Bituminous Coated And 25% Paved, Add	82.38	
For Smooth-Flo, Add	110.13	
33 42 11 00-0582 LF 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	292.82	31.58
For Bituminous Coated Pipe, Add	45.88	
For Bituminous Coated And 25% Paved, Add	87.17	
For Smooth-Flo, Add	116.53	
33 42 11 00-0583 LF 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	310.46	33.44
For Bituminous Coated Pipe, Add	48.40	
For Bituminous Coated And 25% Paved, Add	91.97	
For Smooth-Flo, Add	122.95	
33 42 11 00-0584 LF 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	328.89	37.16
For Bituminous Coated Pipe, Add	50.92	
For Bituminous Coated And 25% Paved, Add	96.74	
For Smooth-Flo, Add	129.33	
33 42 11 00-0585 LF 114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	347.10	40.86
For Bituminous Coated Pipe, Add	53.42	
For Bituminous Coated And 25% Paved, Add	101.49	
For Smooth-Flo, Add	135.68	
33 42 11 00-0586 LF 120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	365.00	44.58
For Bituminous Coated Pipe, Add	55.95	
For Bituminous Coated And 25% Paved, Add	106.30	
For Smooth-Flo, Add	142.10	
33 42 11 00-0587 LF 126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	383.51	48.30
For Bituminous Coated Pipe, Add	58.45	
For Bituminous Coated And 25% Paved, Add	111.06	
For Smooth-Flo, Add	148.47	
33 42 11 00-0588 LF 132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	403.02	52.01
For Bituminous Coated Pipe, Add	60.98	
For Bituminous Coated And 25% Paved, Add	115.85	
For Smooth-Flo, Add	154.88	
33 42 11 00-0589 LF 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	423.68	55.73
For Bituminous Coated Pipe, Add	63.51	
For Bituminous Coated And 25% Paved, Add	120.66	
For Smooth-Flo, Add	161.31	
33 42 11 00-0590 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0497)</small>		
33 42 11 00-0591 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0590)</small>		
33 42 11 00-0592 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	77.99	11.14
For Bituminous Coated Pipe, Add	14.17	
For Bituminous Coated And 25% Paved, Add	32.30	
For Smooth-Flo, Add	51.28	
33 42 11 00-0593 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	93.91	12.63
For Bituminous Coated Pipe, Add	17.36	
For Bituminous Coated And 25% Paved, Add	39.58	
For Smooth-Flo, Add	62.83	
33 42 11 00-0594 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	102.19	13.37
For Bituminous Coated Pipe, Add	18.88	
For Bituminous Coated And 25% Paved, Add	43.05	
For Smooth-Flo, Add	68.35	
33 42 11 00-0595 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	127.08	16.35
For Bituminous Coated Pipe, Add	23.77	
For Bituminous Coated And 25% Paved, Add	54.19	
For Smooth-Flo, Add	86.04	
33 42 11 00-0596 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	148.56	23.78
For Bituminous Coated Pipe, Add	25.32	
For Bituminous Coated And 25% Paved, Add	57.72	
For Smooth-Flo, Add	91.65	
33 42 11 00-0597 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	159.47	26.00
For Bituminous Coated Pipe, Add	26.87	
For Bituminous Coated And 25% Paved, Add	61.25	
For Smooth-Flo, Add	97.25	
33 42 11 00-0598 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	169.34	27.87
For Bituminous Coated Pipe, Add	28.40	
For Bituminous Coated And 25% Paved, Add	64.76	
For Smooth-Flo, Add	102.82	
33 42 11 00-0599 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	179.18	29.72
For Bituminous Coated Pipe, Add	29.94	
For Bituminous Coated And 25% Paved, Add	68.25	
For Smooth-Flo, Add	108.36	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0600 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	189.40	31.58
For Bituminous Coated Pipe, Add	31.49	
For Bituminous Coated And 25% Paved, Add	71.80	
For Smooth-Flo, Add	114.00	
33 42 11 00-0601 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	200.79	33.44
For Bituminous Coated Pipe, Add	33.09	
For Bituminous Coated And 25% Paved, Add	75.44	
For Smooth-Flo, Add	119.78	
33 42 11 00-0602 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0590)</small>		
33 42 11 00-0603 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	107.48	12.63
For Bituminous Coated Pipe, Add	16.60	
For Bituminous Coated And 25% Paved, Add	39.01	
For Smooth-Flo, Add	70.63	
33 42 11 00-0604 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	117.27	13.37
For Bituminous Coated Pipe, Add	18.12	
For Bituminous Coated And 25% Paved, Add	42.58	
For Smooth-Flo, Add	77.10	
33 42 11 00-0605 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	143.53	16.35
For Bituminous Coated Pipe, Add	22.30	
For Bituminous Coated And 25% Paved, Add	52.41	
For Smooth-Flo, Add	94.90	
33 42 11 00-0606 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	166.34	23.78
For Bituminous Coated Pipe, Add	23.81	
For Bituminous Coated And 25% Paved, Add	55.95	
For Smooth-Flo, Add	101.31	
33 42 11 00-0607 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	178.85	26.00
For Bituminous Coated Pipe, Add	25.37	
For Bituminous Coated And 25% Paved, Add	59.61	
For Smooth-Flo, Add	107.94	
33 42 11 00-0608 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	190.24	27.87
For Bituminous Coated Pipe, Add	26.90	
For Bituminous Coated And 25% Paved, Add	63.22	
For Smooth-Flo, Add	114.47	
33 42 11 00-0609 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	200.83	29.72
For Bituminous Coated Pipe, Add	28.28	
For Bituminous Coated And 25% Paved, Add	66.45	
For Smooth-Flo, Add	120.32	
33 42 11 00-0610 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	213.24	31.58
For Bituminous Coated Pipe, Add	29.96	
For Bituminous Coated And 25% Paved, Add	70.41	
For Smooth-Flo, Add	127.49	
33 42 11 00-0611 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	225.90	33.44
For Bituminous Coated Pipe, Add	31.49	
For Bituminous Coated And 25% Paved, Add	74.01	
For Smooth-Flo, Add	134.00	
33 42 11 00-0612 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	239.33	37.16
For Bituminous Coated Pipe, Add	33.01	
For Bituminous Coated And 25% Paved, Add	77.56	
For Smooth-Flo, Add	140.44	
33 42 11 00-0613 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	252.82	40.86
For Bituminous Coated Pipe, Add	34.56	
For Bituminous Coated And 25% Paved, Add	81.22	
For Smooth-Flo, Add	147.05	
33 42 11 00-0614 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0590)</small>		
33 42 11 00-0615 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	145.50	13.37
For Bituminous Coated Pipe, Add	23.77	
For Bituminous Coated And 25% Paved, Add	45.16	
For Smooth-Flo, Add	81.52	
33 42 11 00-0616 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	174.63	16.35
For Bituminous Coated Pipe, Add	28.52	
For Bituminous Coated And 25% Paved, Add	54.20	
For Smooth-Flo, Add	97.84	
33 42 11 00-0617 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	200.39	23.78
For Bituminous Coated Pipe, Add	30.62	
For Bituminous Coated And 25% Paved, Add	58.18	
For Smooth-Flo, Add	105.03	
33 42 11 00-0618 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	215.53	26.00
For Bituminous Coated Pipe, Add	32.70	
For Bituminous Coated And 25% Paved, Add	62.14	
For Smooth-Flo, Add	112.17	
33 42 11 00-0619 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	229.56	27.87
For Bituminous Coated Pipe, Add	34.77	
For Bituminous Coated And 25% Paved, Add	66.06	
For Smooth-Flo, Add	119.25	
33 42 11 00-0620 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	243.74	29.72
For Bituminous Coated Pipe, Add	36.86	
For Bituminous Coated And 25% Paved, Add	70.03	
For Smooth-Flo, Add	126.43	
33 42 11 00-0621 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	258.11	31.58
For Bituminous Coated Pipe, Add	38.94	
For Bituminous Coated And 25% Paved, Add	73.98	
For Smooth-Flo, Add	133.55	



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0622 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	273.49 41.01 77.92 140.66	33.44
33 42 11 00-0623 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	289.81 43.10 81.89 147.84	37.16
33 42 11 00-0624 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	305.92 45.18 85.84 154.97	40.86
33 42 11 00-0625 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	321.56 47.26 89.79 162.09	44.58
33 42 11 00-0626 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0590)</small>		
33 42 11 00-0627 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	233.00 37.14 70.57 110.87	23.78
33 42 11 00-0628 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	251.17 39.83 75.68 118.90	26.00
33 42 11 00-0629 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	268.04 42.46 80.68 126.75	27.87
33 42 11 00-0630 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	284.79 45.07 85.63 134.53	29.72
33 42 11 00-0631 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	301.96 47.71 90.64 142.40	31.58
33 42 11 00-0632 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	320.03 50.32 95.60 150.20	33.44
33 42 11 00-0633 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	339.04 52.95 100.60 158.05	37.16
33 42 11 00-0634 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	357.89 55.57 105.59 165.89	40.86
33 42 11 00-0635 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	376.20 58.19 110.55 173.69	44.58
33 42 11 00-0636 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	399.43 61.64 117.11 183.98	48.30
33 42 11 00-0637 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	420.53 64.48 122.51 192.47	52.01
33 42 11 00-0638 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	443.31 67.43 128.12 201.28	55.73
33 42 11 00-0639 Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0497)</small>		
33 42 11 00-0640 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0639)</small>		
33 42 11 00-0641 LF 18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	26.47 4.36	3.96
33 42 11 00-0642 LF 21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	30.67 5.20	4.30
33 42 11 00-0643 LF 24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	34.41 5.91	4.63
33 42 11 00-0644 LF 30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	44.85 7.61	5.95
33 42 11 00-0645 LF 36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	58.27 9.54	8.17
33 42 11 00-0646 LF 42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	67.19 11.25	9.66
33 42 11 00-0647 LF 48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	75.66 12.66	11.14
33 42 11 00-0648 LF 54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	91.03 15.51	12.63

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0649 LF 60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	99.33 16.93	13.37
33 42 11 00-0650 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0639)		
33 42 11 00-0651 LF 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.60 5.05	3.96
33 42 11 00-0652 LF 21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	34.32 6.00	4.30
33 42 11 00-0653 LF 24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	38.57 6.82	4.63
33 42 11 00-0654 LF 30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	50.02 8.74	5.95
33 42 11 00-0655 LF 36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	64.50 10.89	8.17
33 42 11 00-0656 LF 42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	74.48 12.83	9.66
33 42 11 00-0657 LF 48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	83.98 14.47	11.14
33 42 11 00-0658 LF 54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	100.38 17.53	12.63
33 42 11 00-0659 LF 60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	109.74 19.19	13.37
33 42 11 00-0660 LF 66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	135.21 23.84	16.35
33 42 11 00-0661 LF 72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	157.56 25.47	23.78
33 42 11 00-0662 LF 78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	169.47 27.13	26.00
33 42 11 00-0663 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0639)		
33 42 11 00-0664 LF 30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	60.51 9.13	5.95
33 42 11 00-0665 LF 36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	77.03 11.28	8.17
33 42 11 00-0666 LF 42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	89.15 13.27	9.66
33 42 11 00-0667 LF 48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	100.72 15.00	11.14
33 42 11 00-0668 LF 54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	119.24 17.91	12.63
33 42 11 00-0669 LF 60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	130.71 19.66	13.37
33 42 11 00-0670 LF 66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	158.22 23.85	16.35
33 42 11 00-0671 LF 72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	182.64 25.58	23.78
33 42 11 00-0672 LF 78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	196.62 27.33	26.00
33 42 11 00-0673 LF 84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	209.55 29.07	27.87
33 42 11 00-0674 LF 90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	222.45 30.81	29.72
33 42 11 00-0675 LF 96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	235.63 32.55	31.58
33 42 11 00-0676 LF 102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	248.82 34.09	33.44
33 42 11 00-0677 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0497)		
33 42 11 00-0678 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0677)		
33 42 11 00-0679 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	8.51 1.11	1.98
33 42 11 00-0680 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	9.44 1.34	1.98
33 42 11 00-0681 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	10.83 1.47	2.48
33 42 11 00-0682 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	12.02 1.77	2.48
33 42 11 00-0683 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	13.67 1.85	2.97
33 42 11 00-0684 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	15.17 2.22	2.97
33 42 11 00-0685 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0677)		
33 42 11 00-0686 LF 6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	8.64 1.10	1.98
33 42 11 00-0687 LF 6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	9.54 1.31	1.98
33 42 11 00-0688 LF 8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	10.96 1.45	2.48
33 42 11 00-0689 LF 8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	12.22 1.74	2.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0690 LF 10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	13.89	2.97
For Bituminous Coated Pipe, Add	1.83	
33 42 11 00-0691 LF 10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	15.43	2.97
For Bituminous Coated Pipe, Add	2.19	
33 42 11 00-0692 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 42 11 00-0677)		
33 42 11 00-0693 EA 6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	6.89	
For Bituminous Coated Pipe, Add	1.55	
33 42 11 00-0694 EA 8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	9.12	
For Bituminous Coated Pipe, Add	2.05	
33 42 11 00-0695 EA 10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	11.18	
For Bituminous Coated Pipe, Add	2.52	
33 42 11 00-0696 EA 6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	24.85	
For Bituminous Coated Pipe, Add	3.43	
33 42 11 00-0697 EA 6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	4.11	
For Bituminous Coated Pipe, Add	0.78	
33 42 11 00-0698 EA 8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	5.44	
For Bituminous Coated Pipe, Add	1.17	
33 42 11 00-0699 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0497)		
33 42 11 00-0700 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0699)		
33 42 11 00-0701 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	30.45	3.47
33 42 11 00-0702 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	36.75	3.63
33 42 11 00-0703 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	43.24	3.96
33 42 11 00-0704 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	50.79	4.30
33 42 11 00-0705 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	56.85	4.63
33 42 11 00-0706 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	74.14	5.95
33 42 11 00-0707 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	95.53	8.17
33 42 11 00-0708 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	111.42	9.66
33 42 11 00-0709 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	124.96	11.14
33 42 11 00-0710 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0699)		
33 42 11 00-0711 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	35.48	3.47
33 42 11 00-0712 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	42.98	3.63
33 42 11 00-0713 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	50.71	3.96
33 42 11 00-0714 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	59.43	4.30
33 42 11 00-0715 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	66.90	4.63
33 42 11 00-0716 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	86.46	5.95
33 42 11 00-0717 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	110.41	8.17
33 42 11 00-0718 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	128.50	9.66
33 42 11 00-0719 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	144.45	11.14
33 42 11 00-0720 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	175.91	12.63
33 42 11 00-0721 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0699)		
33 42 11 00-0722 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	66.27	3.96
33 42 11 00-0723 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	77.60	4.30
33 42 11 00-0724 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	87.56	4.63
33 42 11 00-0725 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	112.28	5.95
33 42 11 00-0726 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	135.06	8.17
33 42 11 00-0727 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	164.60	9.66
33 42 11 00-0728 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	185.65	11.14
33 42 11 00-0729 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	222.92	12.63
33 42 11 00-0730 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	243.64	13.37
33 42 11 00-0731 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	298.88	16.35
33 42 11 00-0732 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0699)		
33 42 11 00-0733 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	169.68	8.17
33 42 11 00-0734 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	197.49	9.66
33 42 11 00-0735 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	223.01	11.14
33 42 11 00-0736 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	264.77	12.63
33 42 11 00-0737 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	290.23	13.37
33 42 11 00-0738 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	350.05	16.35
33 42 11 00-0739 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	388.27	23.78
33 42 11 00-0740 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0497)		
33 42 11 00-0741 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0740)		
33 42 11 00-0742 LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	124.10	8.17
33 42 11 00-0743 LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	144.36	9.66
33 42 11 00-0744 LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	161.89	11.14
33 42 11 00-0745 LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	196.91	12.63
33 42 11 00-0746 LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	214.39	13.37
33 42 11 00-0747 LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	274.39	16.35
33 42 11 00-0748 LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	305.45	23.78
33 42 11 00-0749 LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	325.94	26.00

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0750	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	345.48	27.87
33 42 11 00-0751	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	365.03	29.72
33 42 11 00-0752	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	384.79	31.58
33 42 11 00-0753	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	405.71	33.44
33 42 11 00-0754		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0740)		
33 42 11 00-0755	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	223.82	12.63
33 42 11 00-0756	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	244.13	13.37
33 42 11 00-0757	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	307.15	16.35
33 42 11 00-0758	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	341.08	23.78
33 42 11 00-0759	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	364.48	26.00
33 42 11 00-0760	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	387.04	27.87
33 42 11 00-0761	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	409.42	29.72
33 42 11 00-0762	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	432.07	31.58
33 42 11 00-0763	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	455.92	33.44
33 42 11 00-0764	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	480.54	37.16
33 42 11 00-0765	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	504.68	40.86
33 42 11 00-0766		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0740)		
33 42 11 00-0767	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	311.79	13.37
33 42 11 00-0768	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	382.42	16.35
33 42 11 00-0769	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	422.87	23.78
33 42 11 00-0770	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	452.83	26.00
33 42 11 00-0771	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	481.92	27.87
33 42 11 00-0772	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	510.87	29.72
33 42 11 00-0773	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	540.13	31.58
33 42 11 00-0774	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	570.50	33.44
33 42 11 00-0775	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	601.59	37.16
33 42 11 00-0776	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	632.39	40.86
33 42 11 00-0777	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	663.01	44.58
33 42 11 00-0778		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0740)		
33 42 11 00-0779	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	497.41	23.78
33 42 11 00-0780	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	533.44	26.00
33 42 11 00-0781	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	568.65	27.87
33 42 11 00-0782	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	603.69	29.72
33 42 11 00-0783	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	639.09	31.58
33 42 11 00-0784	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	675.57	33.44
33 42 11 00-0785	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	712.80	37.16
33 42 11 00-0786	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	749.67	40.86
33 42 11 00-0787	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	786.41	44.58
33 42 11 00-0788	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	823.64	48.30
33 42 11 00-0789	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	862.00	52.01
33 42 11 00-0790	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	901.52	55.73
33 42 11 00-0791		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0791)		
33 42 11 00-0792		16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0791)		
33 42 11 00-0793	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	156.09	11.14
33 42 11 00-0794	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	190.53	12.63
33 42 11 00-0795	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	207.07	13.37
33 42 11 00-0796	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	260.80	16.35
33 42 11 00-0797	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	290.74	23.78
33 42 11 00-0798	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	310.07	26.00
33 42 11 00-0799	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	328.31	27.87
33 42 11 00-0800	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	346.47	29.72
33 42 11 00-0801	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	365.14	31.58
33 42 11 00-0802	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	385.25	33.44
33 42 11 00-0803		14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0791)		
33 42 11 00-0804	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	222.49	12.63
33 42 11 00-0805	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	242.67	13.37
33 42 11 00-0806	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	299.62	16.35
33 42 11 00-0807	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	332.69	23.78
33 42 11 00-0808	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	355.81	26.00
33 42 11 00-0809	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	377.60	27.87
33 42 11 00-0810	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	397.56	29.72
33 42 11 00-0811	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	421.41	31.58
33 42 11 00-0812	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	444.49	33.44
33 42 11 00-0813	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	468.21	37.16
33 42 11 00-0814	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	492.26	40.86
33 42 11 00-0815		12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0791)		
33 42 11 00-0816	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	314.01	13.37



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0817	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	378.55	16.35
33 42 11 00-0818	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	419.08	23.78
33 42 11 00-0819	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	448.75	26.00
33 42 11 00-0820	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	477.23	27.87
33 42 11 00-0821	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	506.10	29.72
33 42 11 00-0822	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	535.04	31.58
33 42 11 00-0823	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	564.91	33.44
33 42 11 00-0824	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	595.91	37.16
33 42 11 00-0825	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	626.59	40.86
33 42 11 00-0826	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	656.77	44.58
33 42 11 00-0827			10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0791)		
33 42 11 00-0828	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	497.38	23.78
33 42 11 00-0829	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	534.34	26.00
33 42 11 00-0830	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	569.68	27.87
33 42 11 00-0831	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	604.70	29.72
33 42 11 00-0832	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	640.28	31.58
33 42 11 00-0833	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	676.70	33.44
33 42 11 00-0834	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	714.10	37.16
33 42 11 00-0835	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	751.35	40.86
33 42 11 00-0836	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	788.00	44.58
33 42 11 00-0837	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	835.36	48.30
33 42 11 00-0838	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	876.41	52.01
33 42 11 00-0839	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	919.86	55.73
33 42 11 00-0840			Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0496)		
33 42 11 00-0841			2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0840)		
33 42 11 00-0842			16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0841)		
33 42 11 00-0843	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	20.21	3.63
			<i>For Bituminous Coated Pipe, Add</i>	3.17	
			<i>For Bituminous Coated And 25% Paved, Add</i>	7.68	
			<i>For Smooth-Flo, Add</i>	12.66	
33 42 11 00-0844	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	22.96	3.96
			<i>For Bituminous Coated Pipe, Add</i>	3.79	
			<i>For Bituminous Coated And 25% Paved, Add</i>	9.16	
			<i>For Smooth-Flo, Add</i>	15.11	
33 42 11 00-0845	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	26.68	4.30
			<i>For Bituminous Coated Pipe, Add</i>	4.56	
			<i>For Bituminous Coated And 25% Paved, Add</i>	11.03	
			<i>For Smooth-Flo, Add</i>	18.20	
33 42 11 00-0846	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	30.18	4.63
			<i>For Bituminous Coated Pipe, Add</i>	5.26	
			<i>For Bituminous Coated And 25% Paved, Add</i>	12.71	
			<i>For Smooth-Flo, Add</i>	20.97	
33 42 11 00-0847	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	39.01	5.95
			<i>For Bituminous Coated Pipe, Add</i>	6.68	
			<i>For Bituminous Coated And 25% Paved, Add</i>	16.15	
			<i>For Smooth-Flo, Add</i>	26.63	
33 42 11 00-0848	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	51.92	8.17
			<i>For Bituminous Coated Pipe, Add</i>	8.61	
			<i>For Bituminous Coated And 25% Paved, Add</i>	20.82	
			<i>For Smooth-Flo, Add</i>	34.34	
33 42 11 00-0849			14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0841)		
33 42 11 00-0850	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	22.78	3.63
			<i>For Bituminous Coated Pipe, Add</i>	3.29	
			<i>For Bituminous Coated And 25% Paved, Add</i>	7.71	
			<i>For Smooth-Flo, Add</i>	12.64	
33 42 11 00-0851	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	26.11	3.96
			<i>For Bituminous Coated Pipe, Add</i>	3.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	9.24	
			<i>For Smooth-Flo, Add</i>	15.16	
33 42 11 00-0852	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	30.19	4.30
			<i>For Bituminous Coated Pipe, Add</i>	4.70	
			<i>For Bituminous Coated And 25% Paved, Add</i>	10.99	
			<i>For Smooth-Flo, Add</i>	18.02	
33 42 11 00-0853	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	34.24	4.63
			<i>For Bituminous Coated Pipe, Add</i>	5.41	
			<i>For Bituminous Coated And 25% Paved, Add</i>	12.67	
			<i>For Smooth-Flo, Add</i>	20.77	
33 42 11 00-0854	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	44.08	5.95
			<i>For Bituminous Coated Pipe, Add</i>	6.86	
			<i>For Bituminous Coated And 25% Paved, Add</i>	16.04	
			<i>For Smooth-Flo, Add</i>	26.31	
33 42 11 00-0855	LF		42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	57.96	8.17
			<i>For Bituminous Coated Pipe, Add</i>	8.73	
			<i>For Bituminous Coated And 25% Paved, Add</i>	20.43	
			<i>For Smooth-Flo, Add</i>	33.51	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0856 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	67.31 10.40 24.34 39.92	9.66
33 42 11 00-0857 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0841)</small>		
33 42 11 00-0858 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	34.85 4.27 9.51 14.62	4.46
33 42 11 00-0859 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	40.24 5.07 11.28 17.34	4.83
33 42 11 00-0860 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	45.49 5.81 12.94 19.89	5.20
33 42 11 00-0861 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	58.31 7.32 16.29 25.04	6.69
33 42 11 00-0862 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	70.27 9.16 20.38 31.33	8.17
33 42 11 00-0863 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	81.52 10.83 24.10 37.06	9.66
33 42 11 00-0864 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	95.57 12.84 28.58 43.95	11.14
33 42 11 00-0865 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	106.47 14.18 31.57 48.54	12.63
33 42 11 00-0866 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0841)</small>		
33 42 11 00-0867 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	81.87 11.03 23.23 29.30	8.17
33 42 11 00-0868 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	95.04 13.02 27.40 34.56	9.66
33 42 11 00-0869 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	110.89 15.31 32.24 40.66	11.14
33 42 11 00-0870 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	123.78 16.98 35.75 45.08	12.63
33 42 11 00-0871 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	135.69 18.64 39.25 49.50	13.37
33 42 11 00-0872 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0840)</small>		
33 42 11 00-0873 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0872)</small>		
33 42 11 00-0874 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	106.30 16.36 49.75 55.64	12.63
33 42 11 00-0875 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	116.21 17.91 54.44 60.89	13.37
33 42 11 00-0876 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	144.47 22.49 68.38 76.47	16.35
33 42 11 00-0877 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	167.85 24.11 73.30 81.98	23.78



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0878	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	181.09 25.82 78.48 87.77	26.00
33 42 11 00-0879	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	193.37 27.53 83.69 93.60	27.87
33 42 11 00-0880	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	205.59 29.23 88.86 99.38	29.72
33 42 11 00-0881	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	218.07 30.93 94.02 105.16	31.58
33 42 11 00-0882			12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0872)		
33 42 11 00-0883	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	142.86 23.24 60.88 72.04	13.37
33 42 11 00-0884	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	174.03 28.40 74.42 88.05	16.35
33 42 11 00-0885	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	200.03 30.55 80.04 94.70	23.78
33 42 11 00-0886	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	215.86 32.77 85.86 101.59	26.00
33 42 11 00-0887	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	230.74 35.00 91.71 108.51	27.87
33 42 11 00-0888	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	245.59 37.23 97.54 115.41	29.72
33 42 11 00-0889	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	260.66 39.45 103.35 122.28	31.58
33 42 11 00-0890	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	276.88 41.69 109.22 129.23	33.44
33 42 11 00-0891	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	293.88 43.92 115.06 136.14	37.16
33 42 11 00-0892	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	311.84 46.36 121.47 143.73	40.86
33 42 11 00-0893			10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0872)		
33 42 11 00-0894	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	229.93 36.53 86.94 94.42	23.78
33 42 11 00-0895	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	248.23 39.24 93.40 101.45	26.00
33 42 11 00-0896	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	265.57 41.97 99.88 108.49	27.87
33 42 11 00-0897	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	282.82 44.68 106.33 115.49	29.72
33 42 11 00-0898	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	300.37 47.39 112.78 122.50	31.58
33 42 11 00-0899	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	319.02 50.12 119.28 129.55	33.44

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0900 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	338.47 52.83 125.74 136.58	37.16
33 42 11 00-0901 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	358.69 55.73 132.65 144.07	40.86
33 42 11 00-0902 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	381.35 59.22 140.93 153.07	44.58
33 42 11 00-0903 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0903)</small>		
33 42 11 00-0904 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0903)</small>		
33 42 11 00-0905 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	202.97 31.14 75.97 96.68	23.78
33 42 11 00-0906 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	218.51 33.30 81.25 103.40	26.00
33 42 11 00-0907 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	232.93 35.44 86.47 110.04	27.87
33 42 11 00-0908 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	247.34 37.58 91.70 116.69	29.72
33 42 11 00-0909 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	262.11 39.74 96.96 123.38	31.58
33 42 11 00-0910 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	278.08 41.93 102.30 130.19	33.44
33 42 11 00-0911 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	294.84 44.11 107.62 136.96	37.16
33 42 11 00-0912 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	314.22 46.84 114.29 145.44	40.86
33 42 11 00-0913 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0903)</small>		
33 42 11 00-0914 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	236.06 37.75 85.32 92.69	23.78
33 42 11 00-0915 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	254.25 40.45 91.41 99.30	26.00
33 42 11 00-0916 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	271.36 43.13 97.46 105.87	27.87
33 42 11 00-0917 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	288.54 45.82 103.55 112.49	29.72
33 42 11 00-0918 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	305.54 48.42 109.43 118.88	31.58
33 42 11 00-0919 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	324.57 51.23 115.77 125.76	33.44
33 42 11 00-0920 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	344.07 53.95 121.94 132.46	37.16
33 42 11 00-0921 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	366.17 57.23 129.34 140.50	40.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0922 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	386.88 60.32 136.33 148.09	44.58
33 42 11 00-0923 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0840)		
33 42 11 00-0924 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0923)		
33 42 11 00-0925 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	36.79	3.63
33 42 11 00-0926 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	42.78	3.96
33 42 11 00-0927 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	50.59	4.30
33 42 11 00-0928 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	57.77	4.63
33 42 11 00-0929 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	74.16	5.95
33 42 11 00-0930 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	97.59	8.17
33 42 11 00-0931 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0923)		
33 42 11 00-0932 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	42.71	3.63
33 42 11 00-0933 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	50.01	3.96
33 42 11 00-0934 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	58.66	4.30
33 42 11 00-0935 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	67.16	4.63
33 42 11 00-0936 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	85.83	5.95
33 42 11 00-0937 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	111.46	8.17
33 42 11 00-0938 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	131.18	9.66
33 42 11 00-0939 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0923)		
33 42 11 00-0940 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	67.74	3.96
33 42 11 00-0941 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	79.66	4.30
33 42 11 00-0942 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	90.93	4.63
33 42 11 00-0943 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	115.50	5.95
33 42 11 00-0944 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	147.31	8.17
33 42 11 00-0945 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	172.92	9.66
33 42 11 00-0946 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	204.71	11.14
33 42 11 00-0947 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	226.66	12.63
33 42 11 00-0948 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0923)		
33 42 11 00-0949 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	175.42	8.17
33 42 11 00-0950 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	205.73	9.66
33 42 11 00-0951 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	241.89	11.14
33 42 11 00-0952 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	268.70	12.63
33 42 11 00-0953 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	294.46	13.37
33 42 11 00-0954 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0840)		
33 42 11 00-0955 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0954)		
33 42 11 00-0956 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	229.10	12.63
33 42 11 00-0957 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	250.34	13.37
33 42 11 00-0958 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	314.36	16.35
33 42 11 00-0959 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	349.74	23.78
33 42 11 00-0960 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	375.59	26.00
33 42 11 00-0961 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	400.53	27.87
33 42 11 00-0962 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	425.35	29.72
33 42 11 00-0963 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	450.50	31.58
33 42 11 00-0964 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0954)		
33 42 11 00-0965 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	318.13	13.37
33 42 11 00-0966 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	389.82	16.35
33 42 11 00-0967 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	431.87	23.78
33 42 11 00-0968 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	464.27	26.00
33 42 11 00-0969 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	495.79	27.87
33 42 11 00-0970 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	527.26	29.72
33 42 11 00-0971 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	558.93	31.58
33 42 11 00-0972 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	591.84	33.44
33 42 11 00-0973 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	625.46	37.16
33 42 11 00-0974 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	661.71	40.86
33 42 11 00-0975 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0954)		
33 42 11 00-0976 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	506.38	23.78
33 42 11 00-0977 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	544.94	26.00
33 42 11 00-0978 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	582.62	27.87
33 42 11 00-0979 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	620.08	29.72
33 42 11 00-0980 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	657.88	31.58
33 42 11 00-0981 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	696.88	33.44
33 42 11 00-0982 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	736.64	37.16
33 42 11 00-0983 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	778.48	40.86

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0984	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	827.12	44.58
33 42 11 00-0985		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0984)</small>		
33 42 11 00-0986		12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0985)</small>		
33 42 11 00-0987	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	425.17	23.78
33 42 11 00-0988	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	455.89	26.00
33 42 11 00-0989	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	485.33	27.87
33 42 11 00-0990	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	514.71	29.72
33 42 11 00-0991	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	544.57	31.58
33 42 11 00-0992	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	575.92	33.44
33 42 11 00-0993	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	607.92	37.16
33 42 11 00-0994	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	646.44	40.86
33 42 11 00-0995		10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0985)</small>		
33 42 11 00-0996	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	504.64	23.78
33 42 11 00-0997	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	541.67	26.00
33 42 11 00-0998	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	577.56	27.87
33 42 11 00-0999	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	613.61	29.72
33 42 11 00-1000	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	648.88	31.58
33 42 11 00-1001	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	687.52	33.44
33 42 11 00-1002	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	726.14	37.16
33 42 11 00-1003	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	771.26	40.86
33 42 11 00-1004	LF	142" x 91" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	813.53	44.58
33 42 11 00-1005		Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0496)</small>		
33 42 11 00-1006		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1005)</small>		
33 42 11 00-1007		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1006)</small>		
33 42 11 00-1008	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	18.89	3.47
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	4.72	
33 42 11 00-1009	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	22.18	3.63
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.95	
33 42 11 00-1010	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	25.59	3.96
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.21	
33 42 11 00-1011	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	29.68	4.30
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.62	
33 42 11 00-1012	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	33.09	4.63
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	9.71	
33 42 11 00-1013	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	43.36	5.95
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	12.59	
33 42 11 00-1014	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	56.66	8.17
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	15.89	
33 42 11 00-1015	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	65.43	9.66
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	18.79	
33 42 11 00-1016	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	73.45	11.14
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	21.06	
33 42 11 00-1017		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1006)</small>		
33 42 11 00-1018	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	21.44	3.47
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	4.49	
33 42 11 00-1019	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	25.33	3.63
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.63	
33 42 11 00-1020	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	29.34	3.96
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.80	
33 42 11 00-1021	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	34.04	4.30
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.09	
33 42 11 00-1022	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	38.14	4.63
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	9.16	
33 42 11 00-1023	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	49.54	5.95
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	11.77	
33 42 11 00-1024	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	64.14	8.17
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	14.74	
33 42 11 00-1025	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	74.04	9.66
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	17.36	
33 42 11 00-1026	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	83.26	11.14
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	19.51	
33 42 11 00-1027	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	100.62	12.63
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	23.98	
33 42 11 00-1028		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1006)</small>		
33 42 11 00-1029	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	37.23	3.96
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1030 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	43.25 7.50	4.30
33 42 11 00-1031 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.60 8.50	4.63
33 42 11 00-1032 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.60 10.84	5.95
33 42 11 00-1033 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	79.89 13.45	8.17
33 42 11 00-1034 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	92.30 15.78	9.66
33 42 11 00-1035 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	104.09 17.79	11.14
33 42 11 00-1036 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	124.41 21.48	12.63
33 42 11 00-1037 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	135.93 23.49	13.37
33 42 11 00-1038 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	166.38 28.89	16.35
33 42 11 00-1039 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1006)		
33 42 11 00-1040 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	94.06 14.73	8.17
33 42 11 00-1041 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	108.87 17.27	9.66
33 42 11 00-1042 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	122.89 19.50	11.14
33 42 11 00-1043 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	145.50 23.24	12.63
33 42 11 00-1044 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	159.40 25.48	13.37
33 42 11 00-1045 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	192.16 30.75	16.35
33 42 11 00-1046 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	218.98 32.96	23.78
33 42 11 00-1047 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1005)		
33 42 11 00-1048 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1047)		
33 42 11 00-1049 LF 36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	67.80 17.66	8.17
33 42 11 00-1050 LF 42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	78.18 20.74	9.66
33 42 11 00-1051 LF 48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	87.78 23.26	11.14
33 42 11 00-1052 LF 54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	105.65 28.41	12.63
33 42 11 00-1053 LF 60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	115.10 30.95	13.37
33 42 11 00-1054 LF 66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	145.60 39.76	16.35
33 42 11 00-1055 LF 72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	168.36 42.37	23.78
33 42 11 00-1056 LF 78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	180.58 45.00	26.00
33 42 11 00-1057 LF 84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	191.83 47.64	27.87
33 42 11 00-1058 LF 90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	203.07 50.27	29.72
33 42 11 00-1059 LF 96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	214.56 52.90	31.58
33 42 11 00-1060 LF 102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	227.15 55.55	33.44
33 42 11 00-1061 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1047)		
33 42 11 00-1062 LF 54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	118.44 24.62	12.63
33 42 11 00-1063 LF 60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	129.24 26.87	13.37
33 42 11 00-1064 LF 66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	161.16 33.84	16.35
33 42 11 00-1065 LF 72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	185.31 36.16	23.78
33 42 11 00-1066 LF 78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	198.91 38.49	26.00
33 42 11 00-1067 LF 84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	211.60 40.84	27.87
33 42 11 00-1068 LF 90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	224.18 43.16	29.72
33 42 11 00-1069 LF 96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	237.05 45.49	31.58
33 42 11 00-1070 LF 102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	251.00 47.83	33.44

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1071 LF 108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	265.79	37.16
For 1/2 Bituminous Coated And 25% Paved, Add	50.17	
33 42 11 00-1072 LF 114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	280.28	40.86
For 1/2 Bituminous Coated And 25% Paved, Add	52.47	
33 42 11 00-1073 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 42 11 00-1047)		
33 42 11 00-1074 LF 60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	160.68	13.37
For 1/2 Bituminous Coated And 25% Paved, Add	36.05	
33 42 11 00-1075 LF 66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	195.96	16.35
For 1/2 Bituminous Coated And 25% Paved, Add	44.10	
33 42 11 00-1076 LF 72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	223.14	23.78
For 1/2 Bituminous Coated And 25% Paved, Add	47.30	
33 42 11 00-1077 LF 78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	239.82	26.00
For 1/2 Bituminous Coated And 25% Paved, Add	50.52	
33 42 11 00-1078 LF 84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	255.54	27.87
For 1/2 Bituminous Coated And 25% Paved, Add	53.75	
33 42 11 00-1079 LF 90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	271.20	29.72
For 1/2 Bituminous Coated And 25% Paved, Add	56.96	
33 42 11 00-1080 LF 96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	287.12	31.58
For 1/2 Bituminous Coated And 25% Paved, Add	60.17	
33 42 11 00-1081 LF 102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	304.13	33.44
For 1/2 Bituminous Coated And 25% Paved, Add	63.40	
33 42 11 00-1082 LF 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	321.94	37.16
For 1/2 Bituminous Coated And 25% Paved, Add	66.62	
33 42 11 00-1083 LF 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	339.52	40.86
For 1/2 Bituminous Coated And 25% Paved, Add	69.81	
33 42 11 00-1084 LF 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	356.77	44.58
For 1/2 Bituminous Coated And 25% Paved, Add	73.03	
33 42 11 00-1085 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 42 11 00-1047)		
33 42 11 00-1086 LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	258.43	23.78
For 1/2 Bituminous Coated And 25% Paved, Add	58.06	
33 42 11 00-1087 LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	277.94	26.00
For 1/2 Bituminous Coated And 25% Paved, Add	62.13	
33 42 11 00-1088 LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	296.57	27.87
For 1/2 Bituminous Coated And 25% Paved, Add	66.23	
33 42 11 00-1089 LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	315.09	29.72
For 1/2 Bituminous Coated And 25% Paved, Add	70.30	
33 42 11 00-1090 LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	333.94	31.58
For 1/2 Bituminous Coated And 25% Paved, Add	74.39	
33 42 11 00-1091 LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	353.87	33.44
For 1/2 Bituminous Coated And 25% Paved, Add	78.49	
33 42 11 00-1092 LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	374.54	37.16
For 1/2 Bituminous Coated And 25% Paved, Add	82.57	
33 42 11 00-1093 LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	395.00	40.86
For 1/2 Bituminous Coated And 25% Paved, Add	86.62	
33 42 11 00-1094 LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	415.16	44.58
For 1/2 Bituminous Coated And 25% Paved, Add	90.72	
33 42 11 00-1095 LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	435.93	48.30
For 1/2 Bituminous Coated And 25% Paved, Add	94.79	
33 42 11 00-1096 LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	457.71	52.01
For 1/2 Bituminous Coated And 25% Paved, Add	98.88	
33 42 11 00-1097 LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	480.63	55.73
For 1/2 Bituminous Coated And 25% Paved, Add	102.98	
33 42 11 00-1098 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 42 11 00-1005)		
33 42 11 00-1099 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 42 11 00-1098)		
33 42 11 00-1100 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	88.19	11.14
For 1/2 Bituminous Coated And 25% Paved, Add	28.82	
33 42 11 00-1101 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	106.39	12.63
For 1/2 Bituminous Coated And 25% Paved, Add	35.30	
33 42 11 00-1102 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	115.75	13.37
For 1/2 Bituminous Coated And 25% Paved, Add	38.39	
33 42 11 00-1103 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	144.16	16.35
For 1/2 Bituminous Coated And 25% Paved, Add	48.34	
33 42 11 00-1104 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	166.75	23.78
For 1/2 Bituminous Coated And 25% Paved, Add	51.49	
33 42 11 00-1105 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	178.78	26.00
For 1/2 Bituminous Coated And 25% Paved, Add	54.64	
33 42 11 00-1106 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	189.76	27.87
For 1/2 Bituminous Coated And 25% Paved, Add	57.77	
33 42 11 00-1107 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	200.69	29.72
For 1/2 Bituminous Coated And 25% Paved, Add	60.88	
33 42 11 00-1108 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	212.03	31.58
For 1/2 Bituminous Coated And 25% Paved, Add	64.05	
33 42 11 00-1109 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	224.57	33.44
For 1/2 Bituminous Coated And 25% Paved, Add	67.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1110 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1098)		
33 42 11 00-1111 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	122.39	12.63
For 1/2 Bituminous Coated And 25% Paved, Add	33.29	
33 42 11 00-1112 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	133.57	13.37
For 1/2 Bituminous Coated And 25% Paved, Add	36.35	
33 42 11 00-1113 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	163.56	16.35
For 1/2 Bituminous Coated And 25% Paved, Add	44.73	
33 42 11 00-1114 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	187.74	23.78
For 1/2 Bituminous Coated And 25% Paved, Add	47.75	
33 42 11 00-1115 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	201.65	26.00
For 1/2 Bituminous Coated And 25% Paved, Add	50.88	
33 42 11 00-1116 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	214.41	27.87
For 1/2 Bituminous Coated And 25% Paved, Add	53.95	
33 42 11 00-1117 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	226.25	29.72
For 1/2 Bituminous Coated And 25% Paved, Add	56.72	
33 42 11 00-1118 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	240.15	31.58
For 1/2 Bituminous Coated And 25% Paved, Add	60.08	
33 42 11 00-1119 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	254.20	33.44
For 1/2 Bituminous Coated And 25% Paved, Add	63.16	
33 42 11 00-1120 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	269.01	37.16
For 1/2 Bituminous Coated And 25% Paved, Add	66.20	
33 42 11 00-1121 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	283.89	40.86
For 1/2 Bituminous Coated And 25% Paved, Add	69.32	
33 42 11 00-1122 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1098)		
33 42 11 00-1123 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	166.88	13.37
For 1/2 Bituminous Coated And 25% Paved, Add	40.10	
33 42 11 00-1124 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	200.29	16.35
For 1/2 Bituminous Coated And 25% Paved, Add	48.13	
33 42 11 00-1125 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	227.95	23.78
For 1/2 Bituminous Coated And 25% Paved, Add	51.67	
33 42 11 00-1126 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	244.94	26.00
For 1/2 Bituminous Coated And 25% Paved, Add	55.18	
33 42 11 00-1127 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	260.85	27.87
For 1/2 Bituminous Coated And 25% Paved, Add	58.66	
33 42 11 00-1128 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	276.92	29.72
For 1/2 Bituminous Coated And 25% Paved, Add	62.20	
33 42 11 00-1129 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	293.16	31.58
For 1/2 Bituminous Coated And 25% Paved, Add	65.70	
33 42 11 00-1130 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	310.41	33.44
For 1/2 Bituminous Coated And 25% Paved, Add	69.20	
33 42 11 00-1131 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	328.60	37.16
For 1/2 Bituminous Coated And 25% Paved, Add	72.73	
33 42 11 00-1132 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	346.59	40.86
For 1/2 Bituminous Coated And 25% Paved, Add	76.24	
33 42 11 00-1133 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	364.11	44.58
For 1/2 Bituminous Coated And 25% Paved, Add	79.75	
33 42 11 00-1134 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1098)		
33 42 11 00-1135 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	266.46	23.78
For 1/2 Bituminous Coated And 25% Paved, Add	62.68	
33 42 11 00-1136 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	287.03	26.00
For 1/2 Bituminous Coated And 25% Paved, Add	67.22	
33 42 11 00-1137 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	306.28	27.87
For 1/2 Bituminous Coated And 25% Paved, Add	71.66	
33 42 11 00-1138 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	325.38	29.72
For 1/2 Bituminous Coated And 25% Paved, Add	76.06	
33 42 11 00-1139 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	344.89	31.58
For 1/2 Bituminous Coated And 25% Paved, Add	80.50	
33 42 11 00-1140 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	365.34	33.44
For 1/2 Bituminous Coated And 25% Paved, Add	84.91	
33 42 11 00-1141 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	386.71	37.16
For 1/2 Bituminous Coated And 25% Paved, Add	89.35	
33 42 11 00-1142 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	407.92	40.86
For 1/2 Bituminous Coated And 25% Paved, Add	93.78	
33 42 11 00-1143 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	428.58	44.58
For 1/2 Bituminous Coated And 25% Paved, Add	98.19	
33 42 11 00-1144 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	454.93	48.30
For 1/2 Bituminous Coated And 25% Paved, Add	104.01	
33 42 11 00-1145 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	478.59	52.01
For 1/2 Bituminous Coated And 25% Paved, Add	108.81	
33 42 11 00-1146 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	504.01	55.73
For 1/2 Bituminous Coated And 25% Paved, Add	113.79	
33 42 11 00-1147 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1005)		
33 42 11 00-1148 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1147)		
33 42 11 00-1149 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	29.89	3.96
33 42 11 00-1150 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	34.66	4.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1151	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	38.98	4.63
33 42 11 00-1152	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	50.55	5.95
33 42 11 00-1153	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	65.10	8.17
33 42 11 00-1154	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	75.17	9.66
33 42 11 00-1155	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	84.77	11.14
33 42 11 00-1156	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	101.30	12.63
33 42 11 00-1157	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	110.72	13.37

33 42 11 00-1158 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1147)

33 42 11 00-1159	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	33.59	3.96
33 42 11 00-1160	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	38.99	4.30
33 42 11 00-1161	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	43.88	4.63
33 42 11 00-1162	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	56.68	5.95
33 42 11 00-1163	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	72.49	8.17
33 42 11 00-1164	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	83.81	9.66
33 42 11 00-1165	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	94.63	11.14
33 42 11 00-1166	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	112.38	12.63
33 42 11 00-1167	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	123.09	13.37
33 42 11 00-1168	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	150.02	16.35
33 42 11 00-1169	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	173.70	23.78
33 42 11 00-1170	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	186.93	26.00

33 42 11 00-1171 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1147)

33 42 11 00-1172	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	69.12	5.95
33 42 11 00-1173	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	87.37	8.17
33 42 11 00-1174	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	101.24	9.66
33 42 11 00-1175	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	114.52	11.14
33 42 11 00-1176	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	134.75	12.63
33 42 11 00-1177	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	147.98	13.37
33 42 11 00-1178	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	177.34	16.35
33 42 11 00-1179	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	203.47	23.78
33 42 11 00-1180	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	219.18	26.00
33 42 11 00-1181	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	233.82	27.87
33 42 11 00-1182	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	248.47	29.72
33 42 11 00-1183	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	263.33	31.58
33 42 11 00-1184	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	278.06	33.44

33 42 11 00-1185 Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-0496)

33 42 11 00-1186 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1185)

33 42 11 00-1187 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1186)

33 42 11 00-1188	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	23.04	3.63
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	7.68	
33 42 11 00-1189	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	26.35	3.96
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	9.17	
33 42 11 00-1190	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	30.74	4.30
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	11.04	
33 42 11 00-1191	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	34.87	4.63
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	12.72	
33 42 11 00-1192	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	44.97	5.95
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	16.16	
33 42 11 00-1193	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	59.62	8.17
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	20.84	

33 42 11 00-1194 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1186)

33 42 11 00-1195	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	26.19	3.63
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	7.96	
33 42 11 00-1196	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	30.18	3.96
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	9.54	
33 42 11 00-1197	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	35.05	4.30
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	11.35	
33 42 11 00-1198	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	39.84	4.63
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	13.08	
33 42 11 00-1199	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	51.18	5.95
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	16.57	
33 42 11 00-1200	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	67.00	8.17
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	21.11	
33 42 11 00-1201	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	78.08	9.66
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	25.14	

33 42 11 00-1202 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1186)

33 42 11 00-1203	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	37.97	3.96
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	8.74	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1204	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	44.28 10.38	4.30
33 42 11 00-1205	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	50.31 11.92	4.63
33 42 11 00-1206	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	64.23 15.04	5.95
33 42 11 00-1207	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	82.78 18.91	8.17
33 42 11 00-1208	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	96.48 22.41	9.66
33 42 11 00-1209	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	113.68 26.69	11.14
33 42 11 00-1210	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	126.28 29.42	12.63
33 42 11 00-1211		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1186)</small>		
33 42 11 00-1212	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	96.95 19.90	8.17
33 42 11 00-1213	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	113.00 23.52	9.66
33 42 11 00-1214	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	132.42 27.77	11.14
33 42 11 00-1215	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	147.47 30.75	12.63
33 42 11 00-1216	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	161.54 33.72	13.37
33 42 11 00-1217		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1185)</small>		
33 42 11 00-1218		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1217)</small>		
33 42 11 00-1219	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	120.97 44.19	12.63
33 42 11 00-1220	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	132.25 48.36	13.37
33 42 11 00-1221	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	164.62 60.74	16.35
33 42 11 00-1222	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	189.45 65.11	23.78
33 42 11 00-1223	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	204.22 69.71	26.00
33 42 11 00-1224	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	218.02 74.33	27.87
33 42 11 00-1225	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	231.76 78.92	29.72
33 42 11 00-1226	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	245.80 83.53	31.58
33 42 11 00-1227		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1217)</small>		
33 42 11 00-1228	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	163.71 54.95	13.37
33 42 11 00-1229	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	199.49 67.16	16.35
33 42 11 00-1230	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	227.42 72.23	23.78
33 42 11 00-1231	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	245.23 77.48	26.00
33 42 11 00-1232	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	262.13 82.77	27.87
33 42 11 00-1233	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	278.97 88.03	29.72
33 42 11 00-1234	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	296.04 93.28	31.58
33 42 11 00-1235	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	314.26 98.57	33.44
33 42 11 00-1236	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	333.25 103.84	37.16
33 42 11 00-1237	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	353.42 109.63	40.86
33 42 11 00-1238		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1217)</small>		
33 42 11 00-1239	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	262.68 78.19	23.78
33 42 11 00-1240	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	283.42 84.00	26.00
33 42 11 00-1241	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	303.20 89.83	27.87
33 42 11 00-1242	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	322.88 95.63	29.72

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1243 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	344.81	31.58
For 1/2 Bituminous Coated And 40% Paved, Add	102.14	
33 42 11 00-1244 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	363.97	33.44
For 1/2 Bituminous Coated And 40% Paved, Add	107.28	
33 42 11 00-1245 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	385.87	37.16
For 1/2 Bituminous Coated And 40% Paved, Add	113.10	
33 42 11 00-1246 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	408.66	40.86
For 1/2 Bituminous Coated And 40% Paved, Add	119.30	
33 42 11 00-1247 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	434.45	44.58
For 1/2 Bituminous Coated And 40% Paved, Add	126.75	
33 42 11 00-1248 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe- Arch (33 42 11 00-1185)		
33 42 11 00-1249 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1248)		
33 42 11 00-1250 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	230.98	23.78
For 1/2 Bituminous Coated And 40% Paved, Add	71.09	
33 42 11 00-1251 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	248.47	26.00
For 1/2 Bituminous Coated And 40% Paved, Add	76.03	
33 42 11 00-1252 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	264.84	27.87
For 1/2 Bituminous Coated And 40% Paved, Add	80.93	
33 42 11 00-1253 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	281.18	29.72
For 1/2 Bituminous Coated And 40% Paved, Add	85.81	
33 42 11 00-1254 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	297.87	31.58
For 1/2 Bituminous Coated And 40% Paved, Add	90.73	
33 42 11 00-1255 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	315.82	33.44
For 1/2 Bituminous Coated And 40% Paved, Add	95.74	
33 42 11 00-1256 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	334.55	37.16
For 1/2 Bituminous Coated And 40% Paved, Add	100.72	
33 42 11 00-1257 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	356.38	40.86
For 1/2 Bituminous Coated And 40% Paved, Add	106.95	
33 42 11 00-1258 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1248)		
33 42 11 00-1259 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	270.04	23.78
For 1/2 Bituminous Coated And 40% Paved, Add	78.85	
33 42 11 00-1260 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	290.66	26.00
For 1/2 Bituminous Coated And 40% Paved, Add	84.48	
33 42 11 00-1261 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	310.18	27.87
For 1/2 Bituminous Coated And 40% Paved, Add	90.08	
33 42 11 00-1262 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	329.79	29.72
For 1/2 Bituminous Coated And 40% Paved, Add	95.70	
33 42 11 00-1263 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	349.14	31.58
For 1/2 Bituminous Coated And 40% Paved, Add	101.14	
33 42 11 00-1264 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	370.68	33.44
For 1/2 Bituminous Coated And 40% Paved, Add	106.99	
33 42 11 00-1265 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	392.65	37.16
For 1/2 Bituminous Coated And 40% Paved, Add	112.70	
33 42 11 00-1266 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	417.68	40.86
For 1/2 Bituminous Coated And 40% Paved, Add	119.53	
33 42 11 00-1267 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	441.19	44.58
For 1/2 Bituminous Coated And 40% Paved, Add	126.00	
33 42 11 00-1268 Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-0496)		
33 42 11 00-1269 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1268)		
33 42 11 00-1270 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1269)		
33 42 11 00-1271 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	11.57	1.98
For Bituminous Coated Pipe, Add	1.46	
33 42 11 00-1272 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	15.15	2.48
For Bituminous Coated Pipe, Add	1.99	
33 42 11 00-1273 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	19.71	2.97
For Bituminous Coated Pipe, Add	2.61	
33 42 11 00-1274 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1269)		
33 42 11 00-1275 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	13.25	1.98
For Bituminous Coated Pipe, Add	1.45	
33 42 11 00-1276 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	17.52	2.48
For Bituminous Coated Pipe, Add	1.98	
33 42 11 00-1277 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	22.87	2.97
For Bituminous Coated Pipe, Add	2.62	
33 42 11 00-1278 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1268)		
33 42 11 00-1279 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1278)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1280 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	22.74 2.87	3.47
33 42 11 00-1281 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	26.96 3.61	3.63
33 42 11 00-1282 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	31.44 4.38	3.96
33 42 11 00-1283 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	36.64 5.23	4.30
33 42 11 00-1284 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	41.14 5.93	4.63
33 42 11 00-1285 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1278)</small>		
33 42 11 00-1286 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	26.33 2.81	3.47
33 42 11 00-1287 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	31.54 3.54	3.63
33 42 11 00-1288 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	36.93 4.29	3.96
33 42 11 00-1289 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	43.00 5.09	4.30
33 42 11 00-1290 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	48.44 5.79	4.63
33 42 11 00-1291 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	62.67 7.42	5.95
33 42 11 00-1292 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	80.10 9.23	8.17
33 42 11 00-1293 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1278)</small>		
33 42 11 00-1294 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	62.40 5.49	4.63
33 42 11 00-1295 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	80.05 6.99	5.95
33 42 11 00-1296 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	100.98 8.61	8.17
33 42 11 00-1297 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	117.29 10.13	9.66
33 42 11 00-1298 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	132.67 11.47	11.14
33 42 11 00-1299 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	156.57 13.61	12.63
33 42 11 00-1300 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1278)</small>		
33 42 11 00-1301 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	123.23 8.47	8.17
33 42 11 00-1302 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	143.21 9.94	9.66
33 42 11 00-1303 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	162.38 11.28	11.14
33 42 11 00-1304 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	189.99 13.24	12.63
33 42 11 00-1305 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	209.05 14.59	13.37
33 42 11 00-1306 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1268)</small>		
33 42 11 00-1307 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1306)</small>		
33 42 11 00-1308 LF 30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	61.53 78.68	5.95
33 42 11 00-1309 LF 36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	90.81 102.89	8.17
33 42 11 00-1310 LF 42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	122.07 141.45	9.66
33 42 11 00-1311 LF 48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	154.72 188.55	11.14
33 42 11 00-1312 LF 54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	215.03 230.98	12.63
33 42 11 00-1313 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1306)</small>		
33 42 11 00-1314 LF 30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	70.69 91.74	5.95
33 42 11 00-1315 LF 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	105.98 119.44	8.17
33 42 11 00-1316 LF 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	141.45 154.72	9.66
33 42 11 00-1317 LF 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	188.55 215.03	11.14
33 42 11 00-1318 LF 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	230.98 260.00	12.63
33 42 11 00-1319 LF 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>		13.37
33 42 11 00-1320 LF 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>		16.35
33 42 11 00-1321 LF 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>		23.78
33 42 11 00-1322 LF 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>		26.00

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1323			12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1306)</small>		
33 42 11 00-1324	LF		30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	92.06	5.95
33 42 11 00-1325	LF		36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	115.78	8.17
33 42 11 00-1326	LF		42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	134.70	9.66
33 42 11 00-1327	LF		48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	152.38	11.14
33 42 11 00-1328	LF		54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	178.43	12.63
33 42 11 00-1329	LF		60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	195.67	13.37
33 42 11 00-1330	LF		66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	233.46	16.35
33 42 11 00-1331	LF		72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	264.01	23.78
33 42 11 00-1332	LF		78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	283.97	26.00
33 42 11 00-1333	LF		84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	302.99	27.87
33 42 11 00-1334	LF		90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	321.94	29.72
33 42 11 00-1335	LF		96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	341.17	31.58
33 42 11 00-1336			10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1306)</small>		
33 42 11 00-1337	LF		60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	238.75	13.37
33 42 11 00-1338	LF		66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	279.02	16.35
33 42 11 00-1339	LF		72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	313.66	23.78
33 42 11 00-1340	LF		78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	337.71	26.00
33 42 11 00-1341	LF		84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	360.76	27.87
33 42 11 00-1342	LF		90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	383.79	29.72
33 42 11 00-1343	LF		96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	407.08	31.58
33 42 11 00-1344	LF		102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	431.48	33.44
33 42 11 00-1345	LF		108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	456.67	37.16
33 42 11 00-1346			Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1268)</small>		
			Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1347			16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1346)</small>		
33 42 11 00-1348	LF		18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	43.77	3.96
33 42 11 00-1349	LF		21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	47.05	4.30
33 42 11 00-1350	LF		24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	57.52	4.63
33 42 11 00-1351	LF		27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	66.44	5.28
33 42 11 00-1352	LF		30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	74.07	5.95
33 42 11 00-1353	LF		33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	83.42	6.60
33 42 11 00-1354			14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1346)</small>		
33 42 11 00-1355	LF		18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	51.51	3.96
33 42 11 00-1356	LF		21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	60.03	4.30
33 42 11 00-1357	LF		24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	67.93	4.63
33 42 11 00-1358	LF		27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	78.13	5.28
33 42 11 00-1359	LF		30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	87.03	5.95
33 42 11 00-1360	LF		33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	97.71	6.60
33 42 11 00-1361	LF		36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	109.52	8.17
33 42 11 00-1362	LF		42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	127.24	9.66
33 42 11 00-1363	LF		48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	144.01	11.14
33 42 11 00-1364			12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1346)</small>		
33 42 11 00-1365	LF		30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	112.38	5.95
33 42 11 00-1366	LF		33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	125.53	6.60
33 42 11 00-1367	LF		36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	139.92	8.17
33 42 11 00-1368	LF		42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	162.74	9.66
33 42 11 00-1369	LF		48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	184.58	11.14
33 42 11 00-1370	LF		54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	259.02	12.63
33 42 11 00-1371	LF		60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	285.26	13.37
33 42 11 00-1372			10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1346)</small>		
33 42 11 00-1373	LF		48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	267.24	11.14
33 42 11 00-1374	LF		54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	309.98	12.63
33 42 11 00-1375	LF		60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	341.94	13.37
33 42 11 00-1376	LF		66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	396.54	16.35
33 42 11 00-1377	LF		72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	440.94	23.78
33 42 11 00-1378	LF		78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	475.22	26.00
33 42 11 00-1379	LF		84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	508.18	27.87
33 42 11 00-1380			Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-0496)</small>		
33 42 11 00-1381			2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1380)</small>		
33 42 11 00-1382			16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1381)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1383	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	28.60 3.61	3.63
33 42 11 00-1384	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	32.99 4.32	3.96
33 42 11 00-1385	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	38.40 5.14	4.30
33 42 11 00-1386			14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
			<small>(33 42 11 00-1381)</small>		
33 42 11 00-1387	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	33.19 3.60	3.63
33 42 11 00-1388	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	37.39 4.15	3.96
33 42 11 00-1389	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	44.77 5.10	4.30
33 42 11 00-1390	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	50.83 5.85	4.63
33 42 11 00-1391	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	65.05 7.40	5.95
33 42 11 00-1392			12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
			<small>(33 42 11 00-1381)</small>		
33 42 11 00-1393	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	64.81 5.58	4.63
33 42 11 00-1394	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	82.47 7.03	5.95
33 42 11 00-1395	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	105.08 8.77	8.17
33 42 11 00-1396	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	122.69 10.38	9.66
33 42 11 00-1397			10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
			<small>(33 42 11 00-1381)</small>		
33 42 11 00-1398	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	127.30 8.47	8.17
33 42 11 00-1399	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	148.65 9.99	9.66
33 42 11 00-1400	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	173.31 11.70	11.14
33 42 11 00-1401	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	193.58 13.02	12.63
33 42 11 00-1402			3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
			<small>(33 42 11 00-1380)</small>		
33 42 11 00-1403			14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
			<small>1402</small>		
33 42 11 00-1404	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	145.04	12.63
33 42 11 00-1405	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	158.90	13.37
33 42 11 00-1406	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	193.71	16.35
33 42 11 00-1407			12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
			<small>1402</small>		
33 42 11 00-1408	LF		60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	182.02	12.63
33 42 11 00-1409	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	199.85	13.37
33 42 11 00-1410	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	238.44	16.35
33 42 11 00-1411	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	269.37	23.78
33 42 11 00-1412	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	289.70	26.00
33 42 11 00-1413	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	309.11	27.87
33 42 11 00-1414			10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
			<small>1402</small>		
33 42 11 00-1415	LF		66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	242.86	13.37
33 42 11 00-1416	LF		73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	283.82	16.35
33 42 11 00-1417	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	318.83	23.78
33 42 11 00-1418	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	343.25	26.00
33 42 11 00-1419	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	366.68	27.87
33 42 11 00-1420	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	390.08	29.72
33 42 11 00-1421			Corrugated Steel Pipe Fittings		
			<small>(33 42 11 00-0496)</small>		
			Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1422			Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings		
			<small>1421</small>		
			Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1423	EA		Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	35.06	
33 42 11 00-1424	EA		Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	43.97	
33 42 11 00-1425	EA		Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	52.87	
33 42 11 00-1426	EA		Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	62.34	
33 42 11 00-1427	EA		Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	75.69	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
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33 42 11 00-1428	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	89.04
33 42 11 00-1429	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	102.40
33 42 11 00-1430	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	115.76
33 42 11 00-1431	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	150.82
33 42 11 00-1432	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	179.75
33 42 11 00-1433	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	208.70
33 42 11 00-1434	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	269.92
33 42 11 00-1435	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	304.43
33 42 11 00-1436	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	340.05
33 42 11 00-1437	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	376.77
33 42 11 00-1438	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	459.14
33 42 11 00-1439	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	500.88
33 42 11 00-1440	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	543.72
33 42 11 00-1441	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	667.28
33 42 11 00-1442	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	716.26
33 42 11 00-1443	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	765.79
33 42 11 00-1444	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	815.32
33 42 11 00-1445	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	864.29
33 42 11 00-1446	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	913.83
33 42 11 00-1447	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	966.05
33 42 11 00-1448	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,021.26
33 42 11 00-1449	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,079.61

33 42 11 00-1450 Fabricate Corrugated Steel Pipe Tees Or Laterals (33 42 11 00-1421)

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1451	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	45.64
33 42 11 00-1452	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	58.43
33 42 11 00-1453	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	71.23
33 42 11 00-1454	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	84.04
33 42 11 00-1455	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	102.40
33 42 11 00-1456	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	121.32
33 42 11 00-1457	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	140.26
33 42 11 00-1458	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	159.16
33 42 11 00-1459	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	208.70
33 42 11 00-1460	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	248.77
33 42 11 00-1461	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	289.39
33 42 11 00-1462	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	375.65
33 42 11 00-1463	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	422.96
33 42 11 00-1464	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	471.93
33 42 11 00-1465	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	522.03
33 42 11 00-1466	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	636.66
33 42 11 00-1467	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	693.44
33 42 11 00-1468	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	751.31
33 42 11 00-1469	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	924.38
33 42 11 00-1470	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	990.62
33 42 11 00-1471	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	1,056.85
33 42 11 00-1472	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	1,123.62
33 42 11 00-1473	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	1,190.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1474	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	1,256.63
33 42 11 00-1475	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	1,326.54
33 42 11 00-1476	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	1,400.34
33 42 11 00-1477	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	1,478.23

33 42 11 00-1478 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1421)

Note: Applied to pipe tasks.

33 42 11 00-1479	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	17.32
33 42 11 00-1480	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	21.80
33 42 11 00-1481	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	27.41
33 42 11 00-1482	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	33.56
33 42 11 00-1483	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	42.47
33 42 11 00-1484	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	52.01
33 42 11 00-1485	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	60.92
33 42 11 00-1486	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	70.77
33 42 11 00-1487	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	86.93
33 42 11 00-1488	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	103.65
33 42 11 00-1489	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	123.66
33 42 11 00-1490	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	152.12
33 42 11 00-1491	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	172.19
33 42 11 00-1492	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	193.91
33 42 11 00-1493	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	235.15
33 42 11 00-1494	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	260.77
33 42 11 00-1495	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	318.17
33 42 11 00-1496	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	346.60
33 42 11 00-1497	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	376.70
33 42 11 00-1498	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	406.21
33 42 11 00-1499	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	436.31
33 42 11 00-1500	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	466.95
33 42 11 00-1501	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	497.05
33 42 11 00-1502	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	527.13
33 42 11 00-1503	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	559.03
33 42 11 00-1504	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	592.87
33 42 11 00-1505	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	628.75

33 42 11 00-1506 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1421)

33 42 11 00-1507	EA	6" Coupling Band, Corrugated Metal Pipe Fitting.....	8.37
		<i>For Bituminous Coated, Add</i>	2.43
33 42 11 00-1508	EA	8" Coupling Band, Corrugated Metal Pipe Fitting.....	11.11
		<i>For Bituminous Coated, Add</i>	3.22
33 42 11 00-1509	EA	10" Coupling Band, Corrugated Metal Pipe Fitting.....	14.00
		<i>For Bituminous Coated, Add</i>	4.06
33 42 11 00-1510	EA	12" Coupling Band, Corrugated Metal Pipe Fitting.....	23.23
		<i>For Bituminous Coated, Add</i>	6.74
33 42 11 00-1511	EA	15" Coupling Band, Corrugated Metal Pipe Fitting.....	29.29
		<i>For Bituminous Coated, Add</i>	8.49
33 42 11 00-1512	EA	18" Coupling Band, Corrugated Metal Pipe Fitting.....	42.98
		<i>For Bituminous Coated, Add</i>	12.46
33 42 11 00-1513	EA	21" Coupling Band, Corrugated Metal Pipe Fitting.....	51.01
		<i>For Bituminous Coated, Add</i>	14.79
33 42 11 00-1514	EA	24" Coupling Band, Corrugated Metal Pipe Fitting.....	57.84
		<i>For Bituminous Coated, Add</i>	16.77
33 42 11 00-1515	EA	30" Coupling Band, Corrugated Metal Pipe Fitting.....	100.10
		<i>For Bituminous Coated, Add</i>	29.03
33 42 11 00-1516	EA	36" Coupling Band, Corrugated Metal Pipe Fitting.....	160.15
		<i>For Bituminous Coated, Add</i>	38.44
33 42 11 00-1517	EA	42" Coupling Band, Corrugated Metal Pipe Fitting.....	188.17
		<i>For Bituminous Coated, Add</i>	45.16
33 42 11 00-1518	EA	48" Coupling Band, Corrugated Metal Pipe Fitting.....	210.85
		<i>For Bituminous Coated, Add</i>	50.60
33 42 11 00-1519	EA	54" Coupling Band, Corrugated Metal Pipe Fitting.....	299.01
		<i>For Bituminous Coated, Add</i>	71.76
33 42 11 00-1520	EA	60" Coupling Band, Corrugated Metal Pipe Fitting.....	427.68
		<i>For Bituminous Coated, Add</i>	76.98
33 42 11 00-1521	EA	66" Coupling Band, Corrugated Metal Pipe Fitting.....	525.61
		<i>For Bituminous Coated, Add</i>	94.61
33 42 11 00-1522	EA	72" Coupling Band, Corrugated Metal Pipe Fitting.....	675.18
		<i>For Bituminous Coated, Add</i>	94.53
33 42 11 00-1523	EA	78" Coupling Band, Corrugated Metal Pipe Fitting.....	722.15
		<i>For Bituminous Coated, Add</i>	101.10
33 42 11 00-1524	EA	84" Coupling Band, Corrugated Metal Pipe Fitting.....	769.38
		<i>For Bituminous Coated, Add</i>	107.71
33 42 11 00-1525	EA	90" Coupling Band, Corrugated Metal Pipe Fitting.....	816.38
		<i>For Bituminous Coated, Add</i>	114.29
33 42 11 00-1526	EA	96" Coupling Band, Corrugated Metal Pipe Fitting.....	863.49
		<i>For Bituminous Coated, Add</i>	120.89
33 42 11 00-1527	EA	102" Coupling Band, Corrugated Metal Pipe Fitting.....	910.73
		<i>For Bituminous Coated, Add</i>	127.50
33 42 11 00-1528	EA	108" Coupling Band, Corrugated Metal Pipe Fitting.....	957.74
		<i>For Bituminous Coated, Add</i>	134.08
33 42 11 00-1529	EA	114" Coupling Band, Corrugated Metal Pipe Fitting.....	1,134.34
		<i>For Bituminous Coated, Add</i>	136.12
33 42 11 00-1530	EA	120" Coupling Band, Corrugated Metal Pipe Fitting.....	1,051.71
		<i>For Bituminous Coated, Add</i>	126.21

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-1531	EA	126" Coupling Band, Corrugated Metal Pipe Fitting.....	1,098.58	
		<i>For Bituminous Coated, Add</i>	131.83	
33 42 11 00-1532	EA	132" Coupling Band, Corrugated Metal Pipe Fitting.....	1,145.79	
		<i>For Bituminous Coated, Add</i>	137.49	
33 42 11 00-1533	EA	138" Coupling Band, Corrugated Metal Pipe Fitting.....	1,193.05	
		<i>For Bituminous Coated, Add</i>	143.17	

33 42 13 Stormwater Culverts (33 42)**33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)****33 42 13 13-0001 Precast Reinforced Concrete Box Culvert (33 42 13 13)**

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".

33 42 13 13-0002	LF	4' x 2' Precast Reinforced Concrete Box Culvert	171.26	18.58
		<i>For Each LF Of Cut-Off Section, Add</i>	6.85	
33 42 13 13-0003	LF	4' x 3' Precast Reinforced Concrete Box Culvert	189.60	18.58
		<i>For Each LF Of Cut-Off Section, Add</i>	7.58	
33 42 13 13-0004	LF	5' x 3' Precast Reinforced Concrete Box Culvert	251.49	23.22
		<i>For Each LF Of Cut-Off Section, Add</i>	10.06	
33 42 13 13-0005	LF	5' x 4' Precast Reinforced Concrete Box Culvert	273.60	23.22
		<i>For Each LF Of Cut-Off Section, Add</i>	10.94	
33 42 13 13-0006	LF	5' x 5' Precast Reinforced Concrete Box Culvert	295.71	23.22
		<i>For Each LF Of Cut-Off Section, Add</i>	11.83	
33 42 13 13-0007	LF	6' x 3' Precast Reinforced Concrete Box Culvert	313.63	24.15
		<i>For Each LF Of Cut-Off Section, Add</i>	12.55	
33 42 13 13-0008	LF	6' x 4' Precast Reinforced Concrete Box Culvert	339.48	24.15
		<i>For Each LF Of Cut-Off Section, Add</i>	13.58	
33 42 13 13-0009	LF	6' x 6' Precast Reinforced Concrete Box Culvert	390.99	24.15
		<i>For Each LF Of Cut-Off Section, Add</i>	15.64	
33 42 13 13-0010	LF	7' x 4' Precast Reinforced Concrete Box Culvert	417.67	27.87
		<i>For Each LF Of Cut-Off Section, Add</i>	16.71	
33 42 13 13-0011	LF	7' x 6' Precast Reinforced Concrete Box Culvert	496.24	37.90
		<i>For Each LF Of Cut-Off Section, Add</i>	19.85	
33 42 13 13-0012	LF	8' x 2' Precast Reinforced Concrete Box Culvert	381.05	24.15
		<i>For Each LF Of Cut-Off Section, Add</i>	15.24	
33 42 13 13-0013	LF	8' x 3' Precast Reinforced Concrete Box Culvert	412.98	27.87
		<i>For Each LF Of Cut-Off Section, Add</i>	16.52	
33 42 13 13-0014	LF	8' x 4' Precast Reinforced Concrete Box Culvert	447.08	27.87
		<i>For Each LF Of Cut-Off Section, Add</i>	17.88	
33 42 13 13-0015	LF	8' x 5' Precast Reinforced Concrete Box Culvert	494.80	37.16
		<i>For Each LF Of Cut-Off Section, Add</i>	19.79	
33 42 13 13-0016	LF	8' x 6' Precast Reinforced Concrete Box Culvert	524.20	37.16
		<i>For Each LF Of Cut-Off Section, Add</i>	20.97	
33 42 13 13-0017	LF	8' x 8' Precast Reinforced Concrete Box Culvert	601.33	46.44
		<i>For Each LF Of Cut-Off Section, Add</i>	24.05	
33 42 13 13-0018	LF	9' x 4' Precast Reinforced Concrete Box Culvert	547.63	37.16
		<i>For Each LF Of Cut-Off Section, Add</i>	21.91	
33 42 13 13-0019	LF	9' x 6' Precast Reinforced Concrete Box Culvert	632.04	46.44
		<i>For Each LF Of Cut-Off Section, Add</i>	25.28	
33 42 13 13-0020	LF	10' x 3' Precast Reinforced Concrete Box Culvert	618.57	46.44
		<i>For Each LF Of Cut-Off Section, Add</i>	24.74	
33 42 13 13-0021	LF	10' x 4' Precast Reinforced Concrete Box Culvert	654.02	46.44
		<i>For Each LF Of Cut-Off Section, Add</i>	26.16	
33 42 13 13-0022	LF	10' x 5' Precast Reinforced Concrete Box Culvert	710.27	55.73
		<i>For Each LF Of Cut-Off Section, Add</i>	28.41	
33 42 13 13-0023	LF	10' x 6' Precast Reinforced Concrete Box Culvert	747.18	55.73
		<i>For Each LF Of Cut-Off Section, Add</i>	29.89	
33 42 13 13-0024	LF	10' x 7' Precast Reinforced Concrete Box Culvert	784.09	55.73
		<i>For Each LF Of Cut-Off Section, Add</i>	31.36	
33 42 13 13-0025	LF	10' x 8' Precast Reinforced Concrete Box Culvert	820.78	55.73
		<i>For Each LF Of Cut-Off Section, Add</i>	32.83	
33 42 13 13-0026	LF	12' x 3' Precast Reinforced Concrete Box Culvert	669.33	65.02
		<i>For Each LF Of Cut-Off Section, Add</i>	26.77	
33 42 13 13-0027	LF	12' x 4' Precast Reinforced Concrete Box Culvert	893.02	65.02
		<i>For Each LF Of Cut-Off Section, Add</i>	35.72	
33 42 13 13-0028	LF	12' x 6' Precast Reinforced Concrete Box Culvert	981.44	65.02
		<i>For Each LF Of Cut-Off Section, Add</i>	39.26	
33 42 13 13-0029	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,069.85	65.02
		<i>For Each LF Of Cut-Off Section, Add</i>	42.79	
33 42 13 13-0030	LF	16' x 10' Precast Reinforced Concrete Box Culvert	1,353.20	74.30
		<i>For Each LF Of Cut-Off Section, Add</i>	54.13	
33 42 13 13-0031	LF	24' x 10' Precast Reinforced Concrete Box Culvert	1,706.84	74.30
		<i>For Each LF Of Cut-Off Section, Add</i>	68.27	

33 42 13 13-0032 Precast Reinforced Concrete Box Culvert For Roadways (33 42 13 13)

Note: AASHTO H/20, H/25 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".

33 42 13 13-0033	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	479.40	18.58
		<i>For Each LF Of Cut-Off Section, Add</i>	19.18	
33 42 13 13-0034	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	539.71	18.58
		<i>For Each LF Of Cut-Off Section, Add</i>	21.59	
33 42 13 13-0035	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	609.29	23.22
		<i>For Each LF Of Cut-Off Section, Add</i>	24.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0036 LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	669.59 26.78	23.22
33 42 13 13-0037 LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	729.90 29.20	23.22
33 42 13 13-0038 LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	671.45 26.86	24.15
33 42 13 13-0039 LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	731.76 29.27	24.15
33 42 13 13-0040 LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	852.38 34.10	24.15
33 42 13 13-0041 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	799.50 31.98	27.87
33 42 13 13-0042 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	940.16 37.61	37.90
33 42 13 13-0043 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	731.76 29.27	24.15
33 42 13 13-0044 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	799.50 31.98	27.87
33 42 13 13-0045 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	859.81 34.39	27.87
33 42 13 13-0046 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	938.67 37.55	37.16
33 42 13 13-0047 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	998.98 39.96	37.16
33 42 13 13-0048 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,138.18 45.53	46.44
33 42 13 13-0049 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,008.85 40.35	37.16
33 42 13 13-0050 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,156.33 46.25	46.44
33 42 13 13-0051 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,143.21 45.73	46.44
33 42 13 13-0052 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,214.82 48.59	46.44
33 42 13 13-0053 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,304.99 52.20	55.73
33 42 13 13-0054 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,376.60 55.06	55.73
33 42 13 13-0055 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,448.23 57.93	55.73
33 42 13 13-0056 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,519.84 60.79	55.73
33 42 13 13-0057 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,514.05 60.56	65.02
33 42 13 13-0058 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,595.45 63.82	65.02
33 42 13 13-0059 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,758.28 70.33	65.02
33 42 13 13-0060 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,921.10 76.84	65.02
33 42 13 13-0061 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,301.52 92.06	74.30
33 42 13 13-0062 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,916.63 116.67	74.30

33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)

33 42 23 00-0001	Headwalls (33 42 23)		
Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.			
33 42 23 00-0002	Cast In Place Concrete Headwalls (33 42 23 00-0001)		
33 42 23 00-0003	Skewed Wingwall, Cast In Place Concrete Headwall (33 42 23 00-0002)		
Note: Sized by pipe diameter.			
33 42 23 00-0004	EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	506.80	224.00
33 42 23 00-0005	EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	638.14	238.93
33 42 23 00-0006	EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	834.27	312.98
33 42 23 00-0007	EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,306.41	448.00
33 42 23 00-0008	EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,816.70	597.34
33 42 23 00-0009	EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	2,194.54	787.35
33 42 23 00-0010	EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	3,016.78	1,086.06
33 42 23 00-0011	EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	3,587.24	1,279.99
33 42 23 00-0012	EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	4,314.59	1,558.28
33 42 23 00-0013	EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	5,175.58	1,886.32

33 42 23 00-0014	Precast Concrete Headwalls (33 42 23 00-0001)		
33 42 23 00-0015	EA 12" Pipe, Precast Concrete Headwall.....	286.95	59.45
33 42 23 00-0016	EA 15" Pipe, Precast Concrete Headwall.....	296.85	62.77
33 42 23 00-0017	EA 18" Pipe, Precast Concrete Headwall.....	326.74	71.35
33 42 23 00-0018	EA 24" Pipe, Precast Concrete Headwall.....	360.98	75.97
33 42 23 00-0019	EA 30" Pipe, Precast Concrete Headwall.....	484.89	89.18
33 42 23 00-0020	EA 36" Pipe, Precast Concrete Headwall.....	544.68	92.49
33 42 23 00-0021	EA 42" Pipe, Precast Concrete Headwall.....	731.11	114.65
33 42 23 00-0022	EA 48" Pipe, Precast Concrete Headwall.....	806.89	126.32
33 42 23 00-0023	EA 54" Pipe, Precast Concrete Headwall.....	890.25	133.75
33 42 23 00-0024	EA 60" Pipe, Precast Concrete Headwall.....	1,009.69	133.75

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0025	EA		72" Pipe, Precast Concrete Headwall	1,218.86	167.19
33 42 23 00-0026	EA		84" Pipe, Precast Concrete Headwall	1,724.26	200.62
33 42 23 00-0027			Precast Concrete Wingwalls (33 42 23 00-0001)		
33 42 23 00-0028	EA		18" ID Pipe (26" Hole) Precast Concrete Wingwall	1,839.05	662.06
			Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0029	EA		24" ID Pipe (32" Hole) Precast Concrete Wingwall	1,950.51	735.61
			Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0030	EA		30" ID Pipe (42" Hole) Precast Concrete Wingwall	2,136.26	858.22
			Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0031	EA		33" ID Pipe (46" Hole) Precast Concrete Wingwall	2,322.03	980.82
			Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0032	EA		36" ID Pipe (50" Hole) Precast Concrete Wingwall	2,322.03	980.82
			Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0033	EA		44" ID Pipe (58" Hole) Precast Concrete Wingwall	2,396.34	1,029.86
			Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0034	EA		48" ID Pipe (62" Hole) Precast Concrete Wingwall	4,087.96	1,054.39
			Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0035	EA		52" ID Pipe (66" Hole) Precast Concrete Wingwall	4,199.43	1,127.94
			Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0036			Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)		
33 42 23 00-0037	EA		34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	1,670.38	260.06
33 42 26			End Sections for Stormwater Piping (33 42)		
33 42 26 16			Corrugated Metal End Sections for Stormwater Piping (33 42 26)		
33 42 26 16-0001			Corrugated Metal Pipe End Sections (33 42 26 16)		
33 42 26 16-0002			Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)		
33 42 26 16-0003			Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
			Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA		12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	143.81	23.13
33 42 26 16-0005	EA		15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	171.58	24.78
33 42 26 16-0006	EA		18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	205.99	26.43
33 42 26 16-0007	EA		21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	256.48	28.91
33 42 26 16-0008	EA		24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	285.58	31.38
33 42 26 16-0009			Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
			Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA		30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	494.68	35.51
33 42 26 16-0011	EA		36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	652.86	44.58
33 42 26 16-0012	EA		42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,039.76	52.01
33 42 26 16-0013	EA		48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,278.54	59.44
33 42 26 16-0014	EA		54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,515.94	74.30
33 42 26 16-0015	EA		60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,765.49	89.17
33 42 26 16-0016			Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
			Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA		12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	152.53	23.13
33 42 26 16-0018	EA		15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	180.55	24.78
33 42 26 16-0019	EA		18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	219.77	26.43
33 42 26 16-0020	EA		21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	273.03	28.91
33 42 26 16-0021	EA		24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	304.35	31.38
33 42 26 16-0022	EA		30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	552.29	35.51
33 42 26 16-0023	EA		36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	726.81	44.58
33 42 26 16-0024	EA		42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,195.97	52.01
33 42 26 16-0025	EA		48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,480.13	59.44
33 42 26 16-0026	EA		54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,719.80	74.30
33 42 26 16-0027	EA		60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,411.16	89.17
33 42 26 16-0028	EA		66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,670.48	133.75
33 42 26 16-0029	EA		72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,080.82	178.33
33 42 26 16-0030	EA		78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,361.72	191.34
33 42 26 16-0031	EA		84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,650.15	204.34
33 42 26 16-0032			Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 42 26 16-0002)		
33 42 26 16-0033	EA		Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	18.61	
33 42 26 16-0034	EA		Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	21.03	
33 42 26 16-0035	EA		Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	24.02	
33 42 26 16-0036	EA		Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	26.15	
33 42 26 16-0037	EA		Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	29.42	
33 42 26 16-0038	EA		Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	53.22	
33 42 26 16-0039	EA		Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	57.22	
33 42 26 16-0040	EA		Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	80.26	
33 42 26 16-0041	EA		Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	85.50	
33 42 26 16-0042	EA		Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	105.01	
33 42 26 16-0043	EA		Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	106.96	
33 42 26 16-0044	EA		Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	112.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0045 EA Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	124.16	
33 42 26 16-0046 EA Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	139.21	
33 42 26 16-0047 EA 84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	141.68	
33 42 26 16-0048 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0001)		
33 42 26 16-0049 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)		
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050 EA 17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	171.58	24.78
33 42 26 16-0051 EA 21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	205.99	26.43
33 42 26 16-0052 EA 24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	256.48	28.91
33 42 26 16-0053 EA 28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	285.58	31.38
33 42 26 16-0054 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)		
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055 EA 17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	164.06	24.78
33 42 26 16-0056 EA 21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	192.07	26.43
33 42 26 16-0057 EA 24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	216.64	28.91
33 42 26 16-0058 EA 28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	247.54	31.38
33 42 26 16-0059 EA 35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	386.20	35.51
33 42 26 16-0060 EA 42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	590.09	44.58
33 42 26 16-0061 EA 49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	954.00	52.01
33 42 26 16-0062 EA 57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,221.40	59.44
33 42 26 16-0063 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)		
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064 EA 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	167.88	24.78
33 42 26 16-0065 EA 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	200.37	26.43
33 42 26 16-0066 EA 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	229.62	28.91
33 42 26 16-0067 EA 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	262.92	31.38
33 42 26 16-0068 EA 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	412.35	35.51
33 42 26 16-0069 EA 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	625.76	44.58
33 42 26 16-0070 EA 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,011.06	52.01
33 42 26 16-0071 EA 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,287.06	59.44
33 42 26 16-0072 EA 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,542.92	74.30
33 42 26 16-0073 EA 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,045.64	89.17
33 42 26 16-0074 EA 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,836.18	133.75
33 42 26 16-0075 EA 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,078.59	178.33
33 42 26 16-0076 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section (33 42 26 16-0048)		
33 42 26 16-0077 EA Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	21.03	
33 42 26 16-0078 EA Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	24.02	
33 42 26 16-0079 EA Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	26.15	
33 42 26 16-0080 EA Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	29.42	
33 42 26 16-0081 EA Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	53.22	
33 42 26 16-0082 EA Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	57.22	
33 42 26 16-0083 EA Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	80.26	
33 42 26 16-0084 EA Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	89.25	
33 42 26 16-0085 EA Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	105.01	
33 42 26 16-0086 EA Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	108.45	
33 42 26 16-0087 EA Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	124.99	
33 42 26 16-0088 EA Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	137.56	
33 42 26 16-0089 Corrugated Aluminum Pipe End Sections (33 42 26 16-0001)		
33 42 26 16-0090 Corrugated Aluminum Pipe End Sections (33 42 26 16-0089)		
33 42 26 16-0091 EA 12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	245.13	23.13
33 42 26 16-0092 EA 15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	286.95	24.78
33 42 26 16-0093 EA 18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	347.17	26.43
33 42 26 16-0094 EA 21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	439.51	28.91
33 42 26 16-0095 EA 24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	589.12	31.38
33 42 26 16-0096 EA 30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	910.78	35.51
33 42 26 16-0097 EA 36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,257.40	44.58
33 42 26 16-0098 EA 36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,588.88	44.58
33 42 26 16-0099 EA 42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,037.04	52.01
33 42 26 16-0100 EA 48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,939.51	59.44
33 42 26 16-0101 EA 54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,237.70	74.30
33 42 26 16-0102 EA 60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	4,387.71	89.17
33 42 26 16-0103 EA 66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	4,898.79	133.75
33 42 26 16-0104 EA 72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	5,682.30	178.33
33 42 26 16-0105 EA 78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	6,213.48	191.34
33 42 26 16-0106 EA 84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	6,551.06	204.34
33 42 26 16-0107 EA 90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	9,085.21	222.91
33 42 26 16-0108 EA 96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	10,069.13	241.49
33 42 26 16-0109 Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0089)		
33 42 26 16-0110 EA Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	34.32	
33 42 26 16-0111 EA Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	36.56	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	40.02	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	45.39	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	47.95	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	61.66	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	72.90	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	77.71	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	85.32	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	96.46	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	114.69	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	166.62	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	176.85	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	218.72	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	236.00	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	251.23	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	267.38	
33 42 26 16-0127	EA	96" Diameter Corrugated Aluminum Pipe End Section, 12 And 10 Gauge Toe Plate Extension	283.54	

33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)**33 42 26 16-0129 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0128)**

33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	297.66	24.78
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	373.28	26.43
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	404.87	28.91
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	436.44	31.38
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	681.75	35.51
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,272.63	44.58
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,356.67	44.58
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,829.75	52.01
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,858.78	59.44
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,259.62	74.30
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,942.62	89.17
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,638.55	133.75
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,885.50	178.33
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,503.25	191.34
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,821.47	204.34
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,525.06	222.91
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	9,019.70	241.49

33 42 26 16-0147 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42

26 16-0128)

33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	36.56	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	40.02	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	42.02	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	46.10	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	51.08	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	66.81	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	74.48	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	85.32	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	96.46	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	114.69	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	149.55	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	191.14	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	254.43	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	290.37	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	303.08	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	312.88	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	325.33	

33 42 26 16-0165 Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)**33 42 26 16-0166 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)**

33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	354.61	24.78
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	466.92	26.43
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	578.17	28.91
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	697.66	31.38
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	833.60	35.51
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,101.59	44.58
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,788.34	52.01

33 42 26 16-0174 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)

Note: Includes nut and bolt set.

33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	262.62	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	548.40	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	601.90	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	690.40	

33 42 26 16-0179 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)

33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	422.33	24.78
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	568.43	26.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0182 EA 21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	771.75	28.91
33 42 26 16-0183 EA 24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	913.02	31.38
33 42 26 16-0184 EA 30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,087.80	35.51
33 42 26 16-0185 EA 36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,325.96	44.58
33 42 26 16-0186 EA 42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,069.06	52.01
33 42 26 16-0187 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections <small>(33 42 26 16-0185)</small>		
Note: Includes nut and bolt set.		
33 42 26 16-0188 EA 3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	527.18	
33 42 26 16-0189 EA 3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	673.47	
33 42 26 16-0190 EA 3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	739.96	
33 42 26 16-0191 EA 3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	771.16	
33 42 26 16-0192 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section <small>(33 42 26 16-0185)</small>		
33 42 26 16-0193 EA Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	41.57	
33 42 26 16-0194 EA Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	47.29	
33 42 26 16-0195 EA Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	51.53	
33 42 26 16-0196 EA Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	57.78	
33 42 26 16-0197 EA Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	90.88	
33 42 26 16-0198 EA Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	97.58	
33 42 26 16-0199 EA Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	133.78	
33 42 26 16-0200 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories <small>(33 42 26 16-0001)</small>		
33 42 26 16-0201 4:1 Corrugated Steel Pipe-Arch End Section <small>(33 42 26 16-0200)</small>		
33 42 26 16-0202 EA 21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	483.43	26.43
33 42 26 16-0203 EA 24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	617.04	28.91
33 42 26 16-0204 EA 28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	737.34	31.38
33 42 26 16-0205 EA 35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,447.73	35.51
33 42 26 16-0206 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections <small>(33 42 26 16-0200)</small>		
Note: Includes nut and bolt set.		
33 42 26 16-0207 EA 3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	359.38	
33 42 26 16-0208 EA 3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	678.60	
33 42 26 16-0209 EA 3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	713.82	
33 42 26 16-0210 EA 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	1,063.88	
33 42 26 16-0211 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section <small>(33 42 26 16-0200)</small>		
33 42 26 16-0212 EA Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	46.99	
33 42 26 16-0213 EA Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	53.85	
33 42 26 16-0214 EA Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	58.75	
33 42 26 16-0215 EA Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	68.25	
33 42 26 19 Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping <small>(33 42 26)</small>		
33 42 26 19-0001 Corrugated High Density Polyethylene (HDPE) Pipe End Sections <small>(33 42 26 19)</small>		
33 42 26 19-0002 EA 4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	16.62	6.67
33 42 26 19-0003 EA 6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	28.54	10.00
33 42 26 19-0004 EA 8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	37.69	12.50
33 42 26 19-0005 EA 10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	59.66	19.99
33 42 26 19-0006 EA 12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	69.61	22.49
33 42 26 19-0007 EA 15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	74.17	24.16
33 42 26 19-0008 EA 18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	86.24	26.66
33 42 26 19-0009 EA 24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	108.65	31.65
33 42 26 19-0010 EA 30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	225.45	35.82
33 42 26 19-0011 EA 36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	250.87	39.99
33 42 26 23 Concrete End Sections for Stormwater Piping <small>(33 42 26)</small>		
33 42 26 23-0001 Precast Concrete End Sections <small>(33 42 26 23)</small>		
33 42 26 23-0002 Precast Concrete End Sections <small>(33 42 26 23-0001)</small>		
33 42 26 23-0003 EA 12" Diameter Pipe, Precast Concrete End Section	545.19	38.75
33 42 26 23-0004 EA 15" Diameter Pipe, Precast Concrete End Section	742.81	47.96
33 42 26 23-0005 EA 18" Diameter Pipe, Precast Concrete End Section	916.08	60.71
33 42 26 23-0006 EA 21" Diameter Pipe, Precast Concrete End Section	1,043.31	72.60
33 42 26 23-0007 EA 24" Diameter Pipe, Precast Concrete End Section	1,090.08	84.04
33 42 26 23-0008 EA 27" Diameter Pipe, Precast Concrete End Section	1,356.13	110.71
33 42 26 23-0009 EA 30" Diameter Pipe, Precast Concrete End Section	1,639.64	166.30
33 42 26 23-0010 EA 36" Diameter Pipe, Precast Concrete End Section	2,013.10	209.84
33 42 26 23-0011 EA 42" Diameter Pipe, Precast Concrete End Section	2,412.12	263.22
33 42 26 23-0012 EA 48" Diameter Pipe, Precast Concrete End Section	2,622.56	296.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0013 EA 54" Diameter Pipe, Precast Concrete End Section.....	2,838.76	332.51
33 42 26 23-0014 EA 60" Diameter Pipe, Precast Concrete End Section.....	3,059.51	369.67
33 42 26 23-0015 EA 66" Diameter Pipe Precast Concrete End Section.....	3,204.43	281.60
33 42 26 23-0016 EA 72" Diameter Pipe Precast Concrete End Section.....	3,589.96	351.99
33 42 26 23-0017 EA 78" Diameter Pipe Precast Concrete End Section.....	4,209.73	439.98
33 42 26 23-0018 EA 84" Diameter Pipe Precast Concrete End Section.....	4,961.16	527.98
33 42 26 23-0019 Flared Precast Concrete End Sections (33 42 26 23-0001)		
33 42 26 23-0020 EA 12" Diameter Pipe, Flared Precast Concrete End Section.....	709.05	43.29
33 42 26 23-0021 EA 15" Diameter Pipe, Flared Precast Concrete End Section.....	850.11	53.94
33 42 26 23-0022 EA 18" Diameter Pipe, Flared Precast Concrete End Section.....	1,025.04	68.29
33 42 26 23-0023 EA 21" Diameter Pipe, Flared Precast Concrete End Section.....	1,162.25	81.66
33 42 26 23-0024 EA 24" Diameter Pipe, Flared Precast Concrete End Section.....	1,431.00	94.51
33 42 26 23-0025 EA 27" Diameter Pipe, Flared Precast Concrete End Section.....	1,633.31	150.95
33 42 26 23-0026 EA 30" Diameter Pipe, Flared Precast Concrete End Section.....	1,572.22	207.83
33 42 26 23-0027 EA 36" Diameter Pipe, Flared Precast Concrete End Section.....	2,170.67	262.30
33 42 26 23-0028 EA 42" Diameter Pipe, Flared Precast Concrete End Section.....	2,568.97	329.10
33 42 26 23-0029 EA 48" Diameter Pipe, Flared Precast Concrete End Section.....	2,742.01	371.15
33 42 26 23-0030 EA 54" Diameter Pipe, Flared Precast Concrete End Section.....	3,065.60	415.70
33 42 26 23-0031 EA 60" Diameter Pipe, Flared Precast Concrete End Section.....	3,393.15	461.73
33 42 26 23-0032 EA 66" Diameter Pipe, Flared Precast Concrete End Section.....	3,974.64	531.98
33 42 26 23-0033 EA 72" Diameter Pipe, Flared Precast Concrete End Section.....	4,702.65	593.77
33 42 26 23-0034 EA 78" Diameter Pipe, Flared Precast Concrete End Section.....	5,346.03	667.96
33 42 26 23-0035 EA 84" Diameter Pipe, Flared Precast Concrete End Section.....	6,238.07	742.08
33 42 31 Stormwater Area Drains and Inlets (33 42)		
33 42 31 00-0001 Storm Drains (33 42 31)		
See CSI section 33 05 61 00-0001 for manhole structures.		
33 42 31 00-0002 Catch Basins And Inlet Basins (33 42 31 00-0001)		
Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0002)		
Note: Inside dimensions.		
33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0005 EA 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	692.47	110.17
33 42 31 00-0006 EA 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	833.49	129.09
33 42 31 00-0007 EA 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	974.52	147.97
33 42 31 00-0008 EA 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,115.55	166.89
33 42 31 00-0009 EA 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,256.56	185.77
33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0011 EA 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	961.88	109.52
33 42 31 00-0012 EA 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,173.09	146.01
33 42 31 00-0013 EA 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,469.81	199.11
33 42 31 00-0014 EA 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,811.69	232.30
33 42 31 00-0015 EA 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,049.30	265.48
33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,038.05	119.47
33 42 31 00-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,441.21	165.93
33 42 31 00-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,728.59	215.70
33 42 31 00-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,995.21	248.89
33 42 31 00-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,523.46	318.58
33 42 31 00-0022 FDOT Structure Bottoms (33 42 31 00-0002)		
33 42 31 00-0023 EA 5' x 5' x 8' Deep, FDOT Type J Structure Bottom.....	8,285.40	497.10
For Each Additional VLF, Add	937.91	
33 42 31 00-0024 EA 5' x 6' x 8' Deep, FDOT Type J Structure Bottom.....	8,285.40	497.10
For Each Additional VLF, Add	937.91	
33 42 31 00-0025 EA 5' x 7' x 8' Deep, FDOT Type J Structure Bottom.....	9,768.98	497.10
For Each Additional VLF, Add	1,108.52	
33 42 31 00-0026 EA 5' x 8' x 8' Deep, FDOT Type J Structure Bottom.....	10,745.44	621.37
For Each Additional VLF, Add	1,217.08	
33 42 31 00-0027 EA 5' x 9' x 8' Deep, FDOT Type J Structure Bottom.....	11,502.18	621.37
For Each Additional VLF, Add	1,304.11	
33 42 31 00-0028 EA 6' x 6' x 8' Deep, FDOT Type J Structure Bottom.....	10,053.05	621.37
For Each Additional VLF, Add	1,137.46	
33 42 31 00-0029 EA 6' x 7' x 8' Deep, FDOT Type J Structure Bottom.....	10,830.62	621.37
For Each Additional VLF, Add	1,226.88	
33 42 31 00-0030 EA 6' x 8' x 8' Deep, FDOT Type J Structure Bottom.....	11,608.18	621.37
For Each Additional VLF, Add	1,316.30	
33 42 31 00-0031 EA 6' x 9' x 8' Deep, FDOT Type J Structure Bottom.....	12,385.22	621.37
For Each Additional VLF, Add	1,405.66	
33 42 31 00-0032 EA 7' x 7' x 8' Deep, FDOT Type J Structure Bottom.....	11,643.69	621.37
For Each Additional VLF, Add	1,320.38	
33 42 31 00-0033 EA 7' x 8' x 8' Deep, FDOT Type J Structure Bottom.....	12,455.72	621.37
For Each Additional VLF, Add	1,413.77	
33 42 31 00-0034 EA 7' x 9' x 8' Deep, FDOT Type J Structure Bottom.....	13,517.33	745.64
For Each Additional VLF, Add	1,532.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0035 EA 8' x 8' x 8' Deep, FDOT Type J Structure Bottom <i>For Each Additional VLF, Add</i>	13,552.84 1,536.21	745.64
33 42 31 00-0036 EA 8' x 9' x 8' Deep, FDOT Type J Structure Bottom <i>For Each Additional VLF, Add</i>	14,400.90 1,633.73	745.64
33 42 31 00-0037 EA 9' x 9' x 8' Deep, FDOT Type J Structure Bottom <i>For Each Additional VLF, Add</i>	15,283.95 1,735.29	745.64
33 42 31 00-0038 EA 5' Diameter x 8' Deep, FDOT Type J Structure Bottom <i>For Each Additional VLF, Add</i>	2,583.58 282.20	497.10
33 42 31 00-0039 EA 6' Diameter x 8' Deep, FDOT Type J Structure Bottom <i>For Each Additional VLF, Add</i>	2,953.15 324.70	497.10
33 42 31 00-0040 EA 8' Diameter x 8' Deep, FDOT Type J Structure Bottom <i>For Each Additional VLF, Add</i>	4,267.02 472.07	621.37
33 42 31 00-0041 EA 10' Diameter x 8' Deep, FDOT Type J Structure Bottom <i>For Each Additional VLF, Add</i>	5,280.98 588.67	621.37
33 42 31 00-0042 EA 12' Diameter x 8' Deep, FDOT Type J Structure Bottom <i>For Each Additional VLF, Add</i>	6,955.72 777.54	745.64
33 42 31 00-0043 EA 3'-6" Diameter x 8' Deep, FDOT Type P Structure Bottom..... <i>For Each Additional VLF, Add</i>	2,061.66 222.18	497.10
33 42 31 00-0044 EA 4' Diameter x 8' Deep, FDOT Type P Structure Bottom..... <i>For Each Additional VLF, Add</i>	2,231.43 241.70	497.10
33 42 31 00-0045 EA 2' x 2' x 4' Deep Underdrain Inspection Box Note: Includes concrete apron, cover and frame. <i>For Each Additional VLF, Add</i>	1,560.82 172.90	497.10
33 42 31 00-0046 FDOT Ditch Bottom Structures (33 42 31 00-0002)		
33 42 31 00-0047 EA 2' x 3'-1" x 8' Deep, FDOT Type A Ditch Bottom Structure Note: With grate. <i>For Each Additional VLF, Add</i>	2,185.29 236.40	497.10
33 42 31 00-0048 EA 4'-2" x 3'-8" x 8' Deep, FDOT Type B Ditch Bottom Structure..... <i>For Each Additional VLF, Add</i>	2,765.65 303.14	497.10
33 42 31 00-0049 EA 2' x 3'-1" x 8' Deep, FDOT Type C Ditch Bottom Structure..... <i>For Each Additional VLF, Add</i>	2,184.80 236.34	497.10
33 42 31 00-0050 EA 3'-1" x 4'-1" x 8' Deep, FDOT Type D Ditch Bottom Structure..... <i>For Each Additional VLF, Add</i>	2,619.21 286.30	497.10
33 42 31 00-0051 EA 3' x 4'-6" x 8' Deep, FDOT Type E Ditch Bottom Structure <i>For Each Additional VLF, Add</i>	2,688.81 294.30	497.10
33 42 31 00-0052 EA 2' x 4' x 8' Deep, FDOT Type F Ditch Bottom Structure..... Note: With grate. <i>For Each Additional VLF, Add</i>	7,048.70 795.69	497.10
33 42 31 00-0053 EA 4' x 5' x 8' Deep, FDOT Type G Ditch Bottom Structure Note: With grate. <i>For Each Additional VLF, Add</i>	9,947.34 1,129.03	497.10
33 42 31 00-0054 EA 3' x 7'-8" x 8' Deep, FDOT Type H Ditch Bottom Structure <i>For Each Additional VLF, Add</i>	3,347.32 370.03	497.10
33 42 31 00-0055 EA 2'-11" x 4' x 8' Deep, FDOT Type J Ditch Bottom Structure..... Note: With grating. <i>For Each Additional VLF, Add</i>	7,938.59 898.03	497.10
33 42 31 00-0056 EA 3'-8" x 4'-9" x 8' Deep, FDOT Type K Ditch Bottom Structure..... Note: With grating. <i>For Each Additional VLF, Add</i>	9,375.59 1,063.28	497.10
33 42 31 00-0057 EA 3'-8" x 6' x 8' Deep, FDOT Type K Ditch Bottom Structure Note: With grating. <i>For Each Additional VLF, Add</i>	10,561.13 1,199.62	497.10
33 42 31 00-0058 EA 3'-8" x 7'-3" x 8' Deep, FDOT Type K Ditch Bottom Structure..... Note: With grating. <i>For Each Additional VLF, Add</i>	11,751.02 1,336.45	497.10
33 42 31 00-0059 EA 3'-8" x 8'-6" x 8' Deep, FDOT Type K Ditch Bottom Structure..... Note: With grating. <i>For Each Additional VLF, Add</i>	12,939.45 1,473.12	497.10
33 42 31 00-0060 EA 3'-8" x 9'-9" x 8' Deep, FDOT Type K Ditch Bottom Structure..... Note: With grating. <i>For Each Additional VLF, Add</i>	14,127.17 1,609.71	497.10
33 42 31 00-0061 EA 3'-8" x 11' x 8' Deep, FDOT Type K Ditch Bottom Structure Note: With grating. <i>For Each Additional VLF, Add</i>	15,562.00 1,770.99	621.37
33 42 31 00-0062 EA 3'-8" x 12'-3" x 8' Deep, FDOT Type K Ditch Bottom Structure..... Note: With grating. <i>For Each Additional VLF, Add</i>	16,751.15 1,907.74	621.37
33 42 31 00-0063 EA 3'-8" x 13'-6" x 8' Deep, FDOT Type K Ditch Bottom Structure..... Note: With grating. <i>For Each Additional VLF, Add</i>	17,938.86 2,044.33	621.37
33 42 31 00-0064 EA 3'-8" x 14'-9" x 8' Deep, FDOT Type K Ditch Bottom Structure..... Note: With grating. <i>For Each Additional VLF, Add</i>	19,126.58 2,180.92	621.37
33 42 31 00-0065 EA 3'-8" x 16' x 8' Deep, FDOT Type K Ditch Bottom Structure Note: With grating. <i>For Each Additional VLF, Add</i>	20,315.02 2,317.59	621.37
33 42 31 00-0066 EA 3'-8" x 17'-3" x 8' Deep, FDOT Type K Ditch Bottom Structure..... Note: With grating. <i>For Each Additional VLF, Add</i>	21,751.28 2,479.03	745.64
33 42 31 00-0067 EA 3'-8" x 18'-6" x 8' Deep, FDOT Type K Ditch Bottom Structure..... Note: With grating. <i>For Each Additional VLF, Add</i>	22,938.26 2,615.53	745.64
33 42 31 00-0068 EA 6' x 3'-8" x 8' Deep, FDOT Type A, Alternate B Structure Bottom..... <i>For Each Additional VLF, Add</i>	3,160.99 348.60	497.10
33 42 31 00-0069 EA 6' x 3'-8" x 8' Deep, FDOT Type B, Alternate B Structure Bottom..... <i>For Each Additional VLF, Add</i>	3,160.99 348.60	497.10

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0070	EA		6' x 4'-2" x 8' Deep, FDOT Type B, Alternate B Structure Bottom..... <i>For Each Additional VLF, Add</i>	3,280.83 362.38	497.10
33 42 31 00-0071	EA		4' Diameter x 8' Deep, FDOT Type C, Alternate A Structure Bottom..... <i>For Each Additional VLF, Add</i>	2,231.43 241.70	497.10
33 42 31 00-0072	EA		6' Diameter x 8' Deep, FDOT Type D Or E, Alternate A Structure Bottom..... <i>For Each Additional VLF, Add</i>	2,953.15 324.70	497.10
33 42 31 00-0073	EA		6' x 3'-6" x 8' Deep, FDOT Type C, D Or E, Alternate B Structure Bottom..... <i>For Each Additional VLF, Add</i>	3,121.25 344.03	497.10
33 42 31 00-0074	EA		6' x 3'-6" x 8' Deep, FDOT Type J, Alternate B Structure Bottom..... <i>For Each Additional VLF, Add</i>	7,861.38 889.15	497.10
33 42 31 00-0075	EA		6' x 4' x 8' Deep, FDOT Type J, Alternate B Structure Bottom..... <i>For Each Additional VLF, Add</i>	8,249.89 933.82	497.10
33 42 31 00-0076			FDOT Inlets (33 42 31 00-0002)		
33 42 31 00-0077			FDOT Barrier Wall Inlets (33 42 31 00-0076)		
33 42 31 00-0078	EA		2'-5" x 4' x 8' Deep, Barrier Wall Inlet And Grate..... <i>For Each Additional VLF, Add</i>	3,136.69 345.81	497.10
33 42 31 00-0079	EA		3'-3" x 3'-8" x 8' Deep, Barrier Wall Inlet And Grate..... <i>For Each Additional VLF, Add</i>	3,291.66 363.63	497.10
33 42 31 00-0080	EA		6' x 3'-6" x 8' Deep, Alternate B Structure Bottom, Barrier Wall Inlet..... <i>For Each Additional VLF, Add</i>	4,069.70 453.10	497.10
33 42 31 00-0081	EA		6' x 3'-8" x 8' Deep, Alternate B Structure Bottom, Barrier Wall Inlet..... <i>For Each Additional VLF, Add</i>	4,124.21 459.37	497.10
33 42 31 00-0082			Median FDOT Barrier Inlets (33 42 31 00-0076)		
33 42 31 00-0083	EA		FDOT Type 1 Or 2 Median Barrier Inlet With 2' x 4' x 8' Structure Bottom And Grate..... <i>For Each Additional VLF, Add</i>	3,007.97 331.00	497.10
33 42 31 00-0084	EA		FDOT Type 1 Or 2 Median Barrier Inlet With 6' x 3'-6" x 8' Alternate B Structure Bottom..... <i>For Each Additional VLF, Add</i>	4,069.70 453.10	497.10
33 42 31 00-0085	EA		FDOT Type 1 Or 2 Median Barrier Inlet With 6' x 4' x 8' Alternate B Structure Bottom..... <i>For Each Additional VLF, Add</i>	4,037.19 449.36	497.10
33 42 31 00-0086	EA		FDOT Type 3, 4, Or 5 Median Barrier Inlet With 4'-10" x 4' x 8' Structure Bottom And Grates..... <i>For Each Additional VLF, Add</i>	3,875.32 430.75	497.10
33 42 31 00-0087	EA		FDOT Type 3, 4, Or 5 Median Barrier Inlet With 6' x 3'-6" x 8' Alternate B Structure Bottom And Grates..... <i>For Each Additional VLF, Add</i>	4,069.70 453.10	497.10
33 42 31 00-0088	EA		FDOT Type 3, 4, Or 5 Median Barrier Inlet With 6' x 4' x 8' Alternate B Structure Bottom And Grates..... <i>For Each Additional VLF, Add</i>	4,233.87 471.98	497.10
33 42 31 00-0089			FDOT Gutter Inlets (33 42 31 00-0076)		
33 42 31 00-0090	EA		2'-11" x 4' x 8' FDOT Type S Gutter Inlet With Grate..... <i>For Each Additional VLF, Add</i>	3,290.03 363.44	497.10
33 42 31 00-0091	EA		6' x 3'-6" x 8' FDOT Type S Gutter Inlet With Alternate B Structure Bottom..... <i>For Each Additional VLF, Add</i>	4,069.70 453.10	497.10
33 42 31 00-0092	EA		6' x 4' x 8' FDOT Type S Gutter Inlet With Alternate B Structure Bottom..... <i>For Each Additional VLF, Add</i>	4,233.87 471.98	497.10
33 42 31 00-0093	EA		2'-11" x 4' x 8' FDOT Type V Gutter Inlet With Grate..... <i>For Each Additional VLF, Add</i>	3,290.03 363.44	497.10
33 42 31 00-0094	EA		6' x 3'-6" x 8' FDOT Type V Gutter Inlet With Alternate B Structure Bottom..... <i>For Each Additional VLF, Add</i>	4,069.70 453.10	497.10
33 42 31 00-0095	EA		6' x 4' x 8' FDOT Type V Gutter Inlet With Alternate B Structure Bottom..... <i>For Each Additional VLF, Add</i>	4,233.87 471.98	497.10
33 42 31 00-0096			FDOT Flumes (33 42 31 00-0076)		
33 42 31 00-0097	EA		4' Long x 6' Wide Single Barrel Closed Flume, FDOT Inlet Type II..... Note: Includes endwalls and 3' gutter transitions on each side of the flume opening.	865.14	
33 42 31 00-0098	EA		4' Long x 10' Wide Double Barrel Closed Flume, FDOT Inlet Type II..... Note: Includes endwalls, and 3' gutter transitions on each side of the flume opening.	1,453.91	
33 42 31 00-0099	EA		4' Long x 15' Wide Triple Barrel Closed Flume, FDOT Inlet Type II..... Note: Includes endwalls, and 3' gutter transitions on each side of the flume opening.	2,148.19	
33 42 31 00-0100	EA		4' Long x 20' Wide Quadruple Barrel Closed Flume, FDOT Inlet Type II..... Note: Includes endwalls, and 3' gutter transitions on each side of the flume opening.	2,784.15	
33 42 31 00-0101	EA		6'-6" Long x 6' Wide Single Barrel Closed Flume, FDOT Inlet Type I..... Note: Includes endwalls, and 3' gutter transitions on each side of the flume opening.	1,239.47	
33 42 31 00-0102	EA		6'-6" Long x 10' Wide Double Barrel Closed Flume, FDOT Inlet Type I..... Note: Includes endwalls, and 3' gutter transitions on each side of the flume opening.	2,031.69	
33 42 31 00-0103	EA		6'-6" Long x 15' Wide Triple Barrel Closed Flume, FDOT Inlet Type I..... Note: Includes endwalls, and 3' gutter transitions on each side of the flume opening.	2,963.12	
33 42 31 00-0104	EA		6'-6" Long x 20' Wide Quadruple Barrel Closed Flume, FDOT Inlet Type I..... Note: Includes endwalls, and 3' gutter transitions on each side of the flume opening.	3,880.34	
33 42 31 00-0105	SF		FDOT Flume To Ditch Pavement Connector..... Note: Includes bricks to dissipate energy.	5.49	
33 42 31 00-0106			FDOT Curb Inlets (33 42 31 00-0076)		
33 42 31 00-0107	EA		Curb Inlet FDOT Type 1..... Note: Includes gutter transitions on each side of the opening. Does not include ring and cover.	1,523.05	
33 42 31 00-0108	EA		Curb Inlet FDOT Type 2..... Note: Includes gutter transitions on each side of the opening. Does not include ring and cover.	1,888.73	
33 42 31 00-0109	EA		Curb Inlet FDOT Type 3..... Note: Includes gutter transitions on each side of the opening. Does not include ring and cover.	1,416.55	
33 42 31 00-0110	EA		Curb Inlet FDOT Type 4..... Note: Includes gutter transitions on each side of the opening. Does not include ring and cover.	1,699.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0111 EA Curb Inlet FDOT Type 5 Note: Includes cast iron or steel cover and frame, and gutter transitions on each side of the opening.	1,258.68	
33 42 31 00-0112 EA Curb Inlet FDOT Type 6 Note: Includes cast iron or steel cover and frame, and gutter transitions on each side of the opening.	1,554.66	
33 42 31 00-0113 EA Curb Inlet FDOT Type 7 Or 8..... Note: Includes gutter transitions on each side of the opening and pavement depression in front of opening. Does not include ring and cover.	686.94	
33 42 31 00-0114 EA Curb Inlet FDOT Type 9	470.23	64.17
33 42 31 00-0115 EA Curb Inlet FDOT Type 10.....	420.35	52.89
33 42 31 00-0116 FDOT Manhole Tops (33 42 31 00-0076)		
33 42 31 00-0117 EA 3'-6" Diameter FDOT Type 7 Manhole Top.....	212.37	
33 42 31 00-0118 EA 4' Diameter FDOT Type 7 Manhole Top.....	277.32	
33 42 31 00-0119 EA 3'-6" Diameter FDOT Type 8 Manhole Top.....	372.18	
33 42 31 00-0120 EA 4' Diameter FDOT Type 8 Manhole Top.....	425.34	
33 42 31 00-0121 FDOT Inlet Accessories (33 42 31 00-0076)		
33 42 31 00-0122 SF FDOT Skimmer, Mounted To Drainage Structures.....	44.21	3.38
33 42 31 00-0123 SF FDOT Fish Screen..... Note: 4" x 2" x 1/4" Rectangular steel tubing and 1 1/2" x 1 1/2" No. 9 gage flattened stainless steel screening.	78.63	4.44
33 42 31 00-0124 SF FDOT Stainless Steel Grate	132.32	3.50
33 42 31 00-0125 Precast Concrete Inlet Boxes (33 42 31 00-0002) Note: Inside dimensions.		
33 42 31 00-0126 Precast Concrete Inlet Boxes (33 42 31 00-0125)		
33 42 31 00-0127 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0126) Note: Yard inlet.		
33 42 31 00-0128 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0127)		
33 42 31 00-0129 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	467.29	27.22
33 42 31 00-0130 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	547.75	33.06
33 42 31 00-0131 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	628.22	38.89
33 42 31 00-0132 EA 42" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	709.19	44.96
33 42 31 00-0133 24" x 24" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0127)		
33 42 31 00-0134 EA 6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	101.87	
33 42 31 00-0135 EA 12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	176.50	
33 42 31 00-0136 EA 18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	255.03	
33 42 31 00-0137 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	333.56	
33 42 31 00-0138 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	412.08	
33 42 31 00-0139 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	490.61	
33 42 31 00-0140 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0126)		
33 42 31 00-0141 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0140)		
33 42 31 00-0142 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	913.98	74.30
33 42 31 00-0143 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,025.36	85.92
33 42 31 00-0144 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,136.75	97.52
33 42 31 00-0145 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,248.20	109.16
33 42 31 00-0146 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,359.64	120.80
33 42 31 00-0147 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,471.09	132.43
33 42 31 00-0148 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,582.53	144.08
33 42 31 00-0149 22" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0140)		
33 42 31 00-0150 EA 6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	198.52	
33 42 31 00-0151 EA 12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	342.58	
33 42 31 00-0152 EA 18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	361.74	
33 42 31 00-0153 EA 24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	469.35	
33 42 31 00-0154 EA 30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	576.97	
33 42 31 00-0155 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	677.63	
33 42 31 00-0156 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	789.02	
33 42 31 00-0157 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	900.41	
33 42 31 00-0158 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,011.86	
33 42 31 00-0159 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,123.29	
33 42 31 00-0160 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,234.74	
33 42 31 00-0161 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,346.18	
33 42 31 00-0162 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0126)		
33 42 31 00-0163 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0162)		
33 42 31 00-0164 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	872.70	81.73
33 42 31 00-0165 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	982.40	94.51
33 42 31 00-0166 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,092.11	107.27
33 42 31 00-0167 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,201.88	120.07
33 42 31 00-0168 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,311.64	132.88
33 42 31 00-0169 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,421.41	145.68
33 42 31 00-0170 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,531.17	158.48

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 31 00-0171		30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0162)		
33 42 31 00-0172	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	192.74	
33 42 31 00-0173	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	330.49	
33 42 31 00-0174	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	349.82	
33 42 31 00-0175	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	453.68	
33 42 31 00-0176	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	557.53	
33 42 31 00-0177	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	661.00	
33 42 31 00-0178	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	769.69	
33 42 31 00-0179	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	878.00	
33 42 31 00-0180	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	986.67	
33 42 31 00-0181	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,094.99	
33 42 31 00-0182	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,203.68	
33 42 31 00-0183	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,312.36	
33 42 31 00-0184		42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0126)		
33 42 31 00-0185		42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0184)		
33 42 31 00-0186	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,051.29	89.17
33 42 31 00-0187	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,180.67	103.65
33 42 31 00-0188	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,310.06	118.51
33 42 31 00-0189	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,439.07	133.01
33 42 31 00-0190	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,568.45	147.87
33 42 31 00-0191	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,697.83	162.36
33 42 31 00-0192	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,826.84	176.84
33 42 31 00-0193		42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0184)		
33 42 31 00-0194	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	217.66	
33 42 31 00-0195	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	379.58	
33 42 31 00-0196	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	399.48	
33 42 31 00-0197	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	519.39	
33 42 31 00-0198	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	639.30	
33 42 31 00-0199	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	759.20	
33 42 31 00-0200	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	884.12	
33 42 31 00-0201	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,009.04	
33 42 31 00-0202	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,133.97	
33 42 31 00-0203	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,258.89	
33 42 31 00-0204	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,383.82	
33 42 31 00-0205	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,508.74	
33 42 31 00-0206		42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0184)		
33 42 31 00-0207	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab.....	587.87	55.73
33 42 31 00-0208		48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0126)		
33 42 31 00-0209		48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0208)		
33 42 31 00-0210	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	1,507.44	99.07
33 42 31 00-0211	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	1,680.94	115.36
33 42 31 00-0212	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	1,854.45	131.64
33 42 31 00-0213	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,027.84	147.87
33 42 31 00-0214	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,201.22	164.09
33 42 31 00-0215	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,374.61	180.32
33 42 31 00-0216	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,548.00	196.54
33 42 31 00-0217		48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0208)		
33 42 31 00-0218	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	211.53	
33 42 31 00-0219	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	362.37	
33 42 31 00-0220	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	534.26	
33 42 31 00-0221	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	706.17	
33 42 31 00-0222	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	871.88	
33 42 31 00-0223	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,043.78	
33 42 31 00-0224	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,217.28	
33 42 31 00-0225	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,390.78	
33 42 31 00-0226	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,564.17	
33 42 31 00-0227	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,737.56	
33 42 31 00-0228	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,910.95	
33 42 31 00-0229	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,084.34	
33 42 31 00-0230		48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0208)		
33 42 31 00-0231	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab.....	638.96	60.38
33 42 31 00-0232		48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0126)		
33 42 31 00-0233		48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0232)		
33 42 31 00-0234	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	1,675.08	124.83
33 42 31 00-0235	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	1,861.32	145.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0236 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,047.55	166.54
33 42 31 00-0237 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,233.57	187.29
33 42 31 00-0238 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,419.58	208.03
33 42 31 00-0239 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,605.59	228.77
33 42 31 00-0240 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,791.61	249.51
33 42 31 00-0241 48" x 66" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0232)		
33 42 31 00-0242 EA 6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	227.75	
33 42 31 00-0243 EA 12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	382.68	
33 42 31 00-0244 EA 18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	568.83	
33 42 31 00-0245 EA 24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	754.96	
33 42 31 00-0246 EA 30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	930.70	
33 42 31 00-0247 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,116.85	
33 42 31 00-0248 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,303.09	
33 42 31 00-0249 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,489.32	
33 42 31 00-0250 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,675.34	
33 42 31 00-0251 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,861.35	
33 42 31 00-0252 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,047.36	
33 42 31 00-0253 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,233.38	
33 42 31 00-0254 48" x 66" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0232)		
33 42 31 00-0255 EA 48" x 66" ID, Precast Concrete Inlet Box Top Slab.....	709.89	67.62
33 42 31 00-0256 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0126)		
33 42 31 00-0257 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0256)		
33 42 31 00-0258 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	2,176.97	168.30
33 42 31 00-0259 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	2,416.90	196.16
33 42 31 00-0260 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	2,656.82	223.65
33 42 31 00-0261 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	2,896.37	251.52
33 42 31 00-0262 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,136.30	279.01
33 42 31 00-0263 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,375.86	306.51
33 42 31 00-0264 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,616.15	334.37
33 42 31 00-0265 42" x 102" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0256)		
33 42 31 00-0266 EA 6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	304.57	
33 42 31 00-0267 EA 12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	505.86	
33 42 31 00-0268 EA 18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	743.18	
33 42 31 00-0269 EA 24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	980.51	
33 42 31 00-0270 EA 30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,207.05	
33 42 31 00-0271 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,444.38	
33 42 31 00-0272 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,684.31	
33 42 31 00-0273 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,924.23	
33 42 31 00-0274 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,163.79	
33 42 31 00-0275 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,403.72	
33 42 31 00-0276 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,643.28	
33 42 31 00-0277 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,883.20	
33 42 31 00-0278 42" x 102" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0256)		
33 42 31 00-0279 EA 42" x 102" ID, Precast Concrete Inlet Box Top Slab.....	997.84	74.30
33 42 31 00-0280 Frames And Grates For Inlets (33 42 31 00-0125)		
33 42 31 00-0281 Inlet Frames And Grates (33 42 31 00-0280)		
33 42 31 00-0282 EA 24" x 24", Heavy Duty Inlet Grate	203.43	16.51
Note: For type A, B, D, or E inlets.		
33 42 31 00-0283 EA 47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT).....	258.21	16.51
Note: For type A, B, D, or E inlets.		
33 42 31 00-0284 EA 47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT).....	258.21	16.51
Note: Includes legend: Dump No Waste "Drains To Waterways".		
33 42 31 00-0285 EA Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT).....	258.21	16.51
Note: Legend: Dump No Waste "Drains to Waterways"		
33 42 31 00-0286 EA Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362).....	288.08	16.51
33 42 31 00-0287 EA Type B Inlet Dirt Plate (US Foundry 5217 BK).....	187.32	33.03
33 42 31 00-0288 EA Back Plate For Type B Inlets (Campbell Foundry 2548-1942).....	248.25	33.03
33 42 31 00-0289 EA Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4).....	293.91	41.29
Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".		
33 42 31 00-0290 EA 1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	244.25	41.29
33 42 31 00-0291 EA 2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	250.02	41.29
33 42 31 00-0292 EA 2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	255.80	41.29
33 42 31 00-0293 EA 3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	261.57	41.29
33 42 31 00-0294 EA 2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	261.57	41.29
33 42 31 00-0295 EA 2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	267.35	41.29
33 42 31 00-0296 EA 3" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	273.12	41.29
33 42 31 00-0297 EA 2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	440.56	41.29
33 42 31 00-0298 EA 2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	452.11	41.29
33 42 31 00-0299 EA 3" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	463.66	41.29
33 42 31 00-0300 EA 2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701).....	270.83	41.29

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 31 00-0301	EA	6" Type J Curb Back Piece For Type B And D Inlets (US Foundry 3004J6).....	261.57	41.29
33 42 31 00-0302	EA	8" Type J Curb Back Piece For Type B And D Inlets (US Foundry 3004J8).....	261.57	41.29
33 42 31 00-0303	EA	6" Type P Curb Back Piece For Type B And D Inlets (US Foundry 3005P6).....	255.80	41.29
33 42 31 00-0304	EA	8" Type P Curb Back Piece For Type B And D Inlets (US Foundry 3005P8).....	261.57	41.29
33 42 31 00-0305	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6).....	244.25	41.29
33 42 31 00-0306	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8).....	244.25	41.29
33 42 31 00-0307	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6).....	604.83	41.29
33 42 31 00-0308	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8).....	604.83	41.29
33 42 31 00-0309	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB).....	235.19	45.42
33 42 31 00-0310	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648).....	302.17	45.42
		Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0311	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848).....	302.17	45.42
		Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0312	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048).....	314.87	45.42
		Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0313	EA	Type B Inlet Frame (US Foundry 5216 FRM).....	377.23	45.42
33 42 31 00-0314	EA	Type D Inlet Frame (US Foundry 2999 FRM).....	339.12	45.42
33 42 31 00-0315	EA	Type B Inlet Frame (Campbell Foundry 2618-0202).....	394.47	45.42
33 42 31 00-0316	EA	Type D Inlet Frame (Campbell Foundry 2617-0002).....	370.18	45.42
33 42 31 00-0317	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340).....	552.47	66.07
33 42 31 00-0318	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342).....	934.71	66.07
33 42 31 00-0319	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340).....	557.22	66.07
33 42 31 00-0320	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342).....	965.30	66.07
33 42 31 00-0321	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340).....	960.35	99.09
33 42 31 00-0322	EA	Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084).....	932.24	132.13
33 42 31 00-0323	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186).....	1,009.09	132.13
33 42 31 00-0324	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198).....	1,009.09	132.13
33 42 31 00-0325	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266).....	855.50	132.13
33 42 31 00-0326	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268).....	855.50	132.13
33 42 31 00-0327	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198).....	1,068.27	132.13

33 42 31 00-0328 Catch Basin Frames And Covers (33 42 31 00-0001)**33 42 31 00-0329 Cast Iron Frames And Covers (33 42 31 00-0328)**

33 42 31 00-0330	EA	18" Diameter Cast Iron Catch Basin Frame And Cover.....	204.63	38.89
33 42 31 00-0331	EA	22" Diameter Cast Iron Catch Basin Frame And Cover.....	255.01	43.94
33 42 31 00-0332	EA	24" Diameter Cast Iron Catch Basin Frame And Cover.....	285.42	45.51
33 42 31 00-0333	EA	26" Diameter Cast Iron Catch Basin Frame And Cover.....	320.36	52.89
33 42 31 00-0334	EA	28" Diameter Cast Iron Catch Basin Frame And Cover.....	371.36	60.28
33 42 31 00-0335	EA	32" Diameter Cast Iron Catch Basin Frame And Cover.....	576.77	63.00
33 42 31 00-0336	EA	16" x 16" Cast Iron Catch Basin Frame And Cover.....	318.52	47.84
33 42 31 00-0337	EA	18" x 24" Cast Iron Catch Basin Frame And Cover.....	410.45	55.23
33 42 31 00-0338	EA	18" x 28" Cast Iron Catch Basin Frame And Cover.....	426.50	55.23
33 42 31 00-0339	EA	20" x 27" Cast Iron Catch Basin Frame And Cover.....	460.96	57.56
33 42 31 00-0340	EA	23" x 23" Cast Iron Catch Basin Frame And Cover.....	437.63	57.56
33 42 31 00-0341	EA	24" x 24" Cast Iron Catch Basin Frame And Cover.....	452.64	59.89
33 42 31 00-0342	EA	26" x 26" Cast Iron Catch Basin Frame And Cover.....	484.73	62.23
33 42 31 00-0343	EA	25" x 35" Cast Iron Catch Basin Frame And Cover.....	577.59	66.89
33 42 31 00-0344	EA	1'-3-5/8" x 3'-9-1/2" Inside Dimension, 5" Irving Decking Welded Steel Frame for Rectangular or Reticuline Grates.....	188.64	61.68
33 42 31 00-0345	EA	1'-3-5/8" x 3'-9-1/2" Outside Dimension, 5" Irving Decking Reticuline Grate for Welded Steel Frame.....	482.68	100.61
33 42 31 00-0346	EA	City Of Miami 31" x 43" Cast Iron Curb And Gutter Inlet Frame, Hood And Hinged Grate (USF 5129 And 6176).....	818.03	54.45
33 42 31 00-0347	EA	City Of Miami, 25" x 35" Cast Iron Hinged Inlet Frame And Hinged Grate (USF 4700 And 6223).....	463.97	48.61
33 42 31 00-0348	EA	City Of Miami, 25" x 29" Cast Iron Valley Gutter Inlet Frame And Grate (USF 5100 And 6147).....	408.71	48.61

33 42 31 00-0349 Area Yard Drain (33 42 31 00-0001)

See CSI section 22 14 26 16-0001 for drains.

33 42 31 00-0350 Ductile Iron Grates (33 42 31 00-0349)

Note: Not for traffic loading.

33 42 31 00-0351	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe.....	70.46	12.50
33 42 31 00-0352	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe.....	88.85	13.33
33 42 31 00-0353	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	224.64	16.66
33 42 31 00-0354	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	268.31	19.99

33 42 33 Stormwater Curbside Drains and Inlets (33 42)**33 42 33 00-0001 Curb Inlet Frames And Covers (33 42 33)****33 42 33 00-0002 City Curb Types (33 42 33 00-0001)**

33 42 33 00-0003	EA	Inlet, Curb Type 9, <10'.....	2,944.78	1,086.47
33 42 33 00-0004	EA	Inlet, Drop Curb, Special, <10', Alt G Grate.....	4,899.72	1,805.84
33 42 33 00-0005	EA	Inlet, Drop Curb, Special, <10', Alt G Grate, Conflict Structure.....	4,899.72	1,805.84
33 42 33 00-0006	EA	Inlet, Curb Type P-9, <10'.....	3,079.83	1,135.10
33 42 33 00-0007	EA	Inlet, Curb Type P-5, <10', Alt G-Grate.....	3,429.81	1,264.08
33 42 33 00-0008	EA	Inlet, Curb Type P-5, <10', Alt G-Grate, Conflict Structure.....	3,429.81	1,264.08
33 42 33 00-0009	EA	Inlet, Curb Type P-6, <10', Alt G-Grate.....	4,339.75	1,599.46
33 42 33 00-0010	EA	Inlet, Curb Type J-5, <10', Alt G-Grate.....	4,199.77	1,547.86
33 42 33 00-0011	EA	Inlet, Ditch Bottom Type F, <10', Alt G-Grate.....	3,359.81	1,238.28

33 42 36 Stormwater Trench Drains (33 42)**33 42 36 00-0001 Modular Trench Drains (33 42 36)**

See CSI section 03 31 13 00-0011 for concrete.



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0002 Modular Trench Drains (33 42 36 00-0001) Note: Excludes grates. See CSI section 33 42 36 00-0110 for grates.		
33 42 36 00-0003 6" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0004 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0005 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0006 LF 6" Wide, High Density Polyethylene, Modular Trench Drain.....	66.76	6.22
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	31.72	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	63.44	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	101.50	
For Type 304 Stainless Steel Top Veneer Frame, Add	25.38	
For Aluminum Veneer Bronze Anodized Frame, Add	12.69	
33 42 36 00-0007 Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0008 EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	30.62	
33 42 36 00-0009 EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	34.50	
33 42 36 00-0010 EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	34.50	
33 42 36 00-0011 Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0012 EA Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	57.86	
33 42 36 00-0013 EA Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	57.86	
33 42 36 00-0014 EA 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	273.20	
33 42 36 00-0015 EA Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	526.96	
33 42 36 00-0016 EA Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	63.44	
33 42 36 00-0017 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0018 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0017)		
33 42 36 00-0019 LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	96.58	6.22
For Black Acid Resistant Coated Frame, Add	24.11	
For Galvanized Top Frame Assembly, Add	24.11	
For Type 304 Stainless Steel Top Frame Assembly, Add	88.82	
33 42 36 00-0020 Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0017)		
33 42 36 00-0021 EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	33.16	
33 42 36 00-0022 EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	37.04	
33 42 36 00-0023 EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	37.04	
33 42 36 00-0024 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0017)		
33 42 36 00-0025 EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	57.86	
33 42 36 00-0026 EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	57.86	
33 42 36 00-0027 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	273.20	
33 42 36 00-0028 EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	526.96	
33 42 36 00-0029 EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	63.44	
33 42 36 00-0030 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0031 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0030)		
33 42 36 00-0032 LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain.....	124.49	6.22
For Black Acid Resistant Coated Frame, Add	24.11	
For Galvanized Top Frame Assembly, Add	24.11	
For Type 304 Stainless Steel Top Frame Assembly, Add	88.82	
33 42 36 00-0033 Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0030)		
33 42 36 00-0034 EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	53.46	
33 42 36 00-0035 EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	57.34	
33 42 36 00-0036 EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	57.34	
33 42 36 00-0037 Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0030)		
33 42 36 00-0038 EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	57.86	
33 42 36 00-0039 EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	57.86	
33 42 36 00-0040 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	273.20	
33 42 36 00-0041 EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	526.96	
33 42 36 00-0042 EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	63.44	
33 42 36 00-0043 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0003)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0044 6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0043)</small>		
33 42 36 00-0045 LF 6" Wide, Polymer Concrete, Modular Trench Drain	255.38	
33 42 36 00-0046 Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0043)</small>		
33 42 36 00-0047 EA Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain.....	99.68	
33 42 36 00-0048 EA No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	120.15	
33 42 36 00-0049 EA No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	33.36	
33 42 36 00-0050 12" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0051 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0050)</small>		
33 42 36 00-0052 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0053 LF 12" Wide, High Density Polyethylene, Modular Trench Drain	124.96	8.56
For Acid Resistant Coated Top Frame, Add	32.99	
For Galvanized Welded Frame Assembly, Add	34.57	
For Type 304 Stainless Steel Top Frame, Add	197.93	
33 42 36 00-0054 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0055 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	62.39	
33 42 36 00-0056 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	67.58	
33 42 36 00-0057 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	67.58	
33 42 36 00-0058 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0059 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	103.13	
33 42 36 00-0060 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	134.85	
33 42 36 00-0061 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	537.43	
33 42 36 00-0062 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	1,044.95	
33 42 36 00-0063 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	126.88	
33 42 36 00-0064 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0050)</small>		
33 42 36 00-0065 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0064)</small>		
33 42 36 00-0066 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	156.68	8.56
For Acid Resistant Coated Top Frame, Add	32.99	
For Galvanized Welded Frame Assembly, Add	34.57	
For Type 304 Stainless Steel Top Frame, Add	197.93	
33 42 36 00-0067 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0064)</small>		
33 42 36 00-0068 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	64.93	
33 42 36 00-0069 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	70.12	
33 42 36 00-0070 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	70.12	
33 42 36 00-0071 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0064)</small>		
33 42 36 00-0072 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	103.13	
33 42 36 00-0073 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	134.85	
33 42 36 00-0074 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	537.43	
33 42 36 00-0075 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	1,044.95	
33 42 36 00-0076 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	126.88	
33 42 36 00-0077 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0050)</small>		
33 42 36 00-0078 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0077)</small>		
33 42 36 00-0079 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	220.12	8.56
For Acid Resistant Coated Top Frame, Add	32.99	
For Galvanized Welded Frame Assembly, Add	34.57	
For Type 304 Stainless Steel Top Frame, Add	197.93	
33 42 36 00-0080 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0077)</small>		
33 42 36 00-0081 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	160.09	
33 42 36 00-0082 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	165.28	
33 42 36 00-0083 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	165.28	
33 42 36 00-0084 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0077)</small>		
33 42 36 00-0085 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	103.13	
33 42 36 00-0086 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	134.85	
33 42 36 00-0087 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	537.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0088 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	1,044.95	
33 42 36 00-0089 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	126.88	
33 42 36 00-0090 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0050)		
33 42 36 00-0091 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0090)		
33 42 36 00-0092 LF 12" Wide, Polymer Concrete, Modular Trench Drain.....	342.57	
33 42 36 00-0093 Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0090)		
33 42 36 00-0094 EA Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain.....	171.23	
33 42 36 00-0095 EA No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	296.38	
33 42 36 00-0096 EA No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	61.45	
33 42 36 00-0097 23" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0098 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0097)		
33 42 36 00-0099 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0100 LF 23" Wide, High Density Polyethylene, Modular Trench Drain.....	175.07	11.66
For Acid Resistant Coated Frame, Add	49.48	
For Galvanized Frame Assembly, Add	49.48	
For Type 304 Stainless Steel Top Frame, Add	304.51	
33 42 36 00-0101 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0102 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	196.53	
33 42 36 00-0103 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	288.33	
33 42 36 00-0104 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	288.33	
33 42 36 00-0105 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0098)		
33 42 36 00-0106 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	233.70	
33 42 36 00-0107 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,063.64	
33 42 36 00-0108 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	2,078.68	
33 42 36 00-0109 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	253.76	
33 42 36 00-0110 Modular Trench Drain Grates (33 42 36 00-0001)		
33 42 36 00-0111 6" Wide, Modular Trench Drain Grates (33 42 36 00-0110)		
33 42 36 00-0112 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate.....	62.84	1.17
33 42 36 00-0113 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate.....	53.26	1.17
33 42 36 00-0114 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	55.93	1.17
33 42 36 00-0115 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	48.89	1.17
33 42 36 00-0116 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	52.69	1.17
33 42 36 00-0117 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	53.33	1.17
33 42 36 00-0118 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate.....	53.33	1.17
33 42 36 00-0119 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate.....	52.69	1.17
33 42 36 00-0120 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	46.35	1.17
33 42 36 00-0121 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate.....	46.35	1.17
33 42 36 00-0122 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	49.27	1.17
33 42 36 00-0123 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	49.27	1.17
33 42 36 00-0124 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate.....	64.11	1.17
33 42 36 00-0125 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	64.11	1.17
33 42 36 00-0126 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	117.40	1.17
33 42 36 00-0127 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate.....	117.40	1.17
33 42 36 00-0128 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	326.75	1.17
33 42 36 00-0129 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate.....	43.81	1.17
33 42 36 00-0130 LF 6" Wide, Fiberglass, Modular Trench Drain Grate.....	94.56	1.17
33 42 36 00-0131 12" Wide, Modular Trench Drain Grates (33 42 36 00-0110)		
33 42 36 00-0132 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	173.43	1.26
33 42 36 00-0133 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	165.82	1.26
33 42 36 00-0134 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	144.25	1.26
33 42 36 00-0135 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	151.54	1.26
33 42 36 00-0136 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate.....	130.92	1.26
33 42 36 00-0137 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	256.22	1.26
33 42 36 00-0138 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	256.22	1.26
33 42 36 00-0139 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate.....	326.95	1.26
33 42 36 00-0140 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	326.95	1.26
33 42 36 00-0141 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	417.35	1.26
33 42 36 00-0142 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate.....	417.35	1.26
33 42 36 00-0143 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate.....	396.10	1.26
33 42 36 00-0144 LF 12" Wide, Fiberglass, Modular Trench Drain Grate.....	187.07	1.26
33 42 36 00-0145 23" Wide, Modular Trench Drain Grates (33 42 36 00-0110)		
33 42 36 00-0146 LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	273.85	1.36

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 36 00-0147	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	230.71	1.36
33 42 36 00-0148	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	357.59	1.36
33 42 36 00-0149	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	264.97	1.36

33 44 Storm Utility Water Drains (33 40)**33 44 36 Oil and Stormwater Separators** (33 44)

33 44 36 00-0001		Oil/Water Separator <small>(33 44 36)</small> Note: Complete with internal sensors and detectors.		
33 44 36 00-0002		Coalescing Oil Water Separator <small>(33 44 36 00-0001)</small> Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 36 00-0003		Single Wall Steel Coalescing Oil Water Separator <small>(33 44 36 00-0002)</small>		
33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	11,044.79	
		<i>For Interior Polyurethane Coating, Add</i>	711.00	
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank.	13,326.99	
		<i>For Interior Polyurethane Coating, Add</i>	893.70	
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	15,783.92	
		<i>For Interior Polyurethane Coating, Add</i>	1,340.10	
33 44 36 00-0007		Double Wall Steel Coalescing Oil Water Separator <small>(33 44 36 00-0002)</small>		
33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	16,692.17	
		<i>For Interior Polyurethane Coating, Add</i>	711.00	
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank.	19,068.19	
		<i>For Interior Polyurethane Coating, Add</i>	893.70	
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	23,113.70	
		<i>For Interior Polyurethane Coating, Add</i>	1,340.10	
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	26,776.31	
		<i>For Interior Polyurethane Coating, Add</i>	1,550.70	
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	35,106.64	
		<i>For Interior Polyurethane Coating, Add</i>	2,057.80	
33 44 36 00-0013		Accessories For Coalescing Oil Water Separators <small>(33 44 36 00-0002)</small>		
33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP1.	614.89	
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP2.	839.83	
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	506.87	
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	370.12	
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	113.72	
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator.....	2,123.20	
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator.....	4,246.40	
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator.....	6,369.63	
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	355.86	
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	428.80	
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	857.58	
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	1,970.14	
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	526.80	
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	694.92	
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	977.01	
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,829.42	
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	2,369.58	
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	2,989.51	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	3,784.94	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	760.10	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	926.48	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	1,455.24	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator.....	724.77	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator.....	879.76	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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			33 44 36 00-0038 EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,043.86	
			33 44 36 00-0039 EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	61.54	
			33 44 36 00-0040 EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	69.51	
33 44 36 00-0041 Oil Skimmers (33 44 36)					
33 44 36 00-0042 Oil Skimmers, 12" And 24" Models (33 44 36 00-0041)					
			33 44 36 00-0043 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,430.77	249.70
			33 44 36 00-0044 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,671.61	249.70
			33 44 36 00-0045 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,453.07	249.70
			33 44 36 00-0046 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,761.92	249.70
			33 44 36 00-0047 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	4,706.17	249.70
			33 44 36 00-0048 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	4,910.21	249.70
			33 44 36 00-0049 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	4,758.57	249.70
			33 44 36 00-0050 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,066.30	249.70
			33 44 36 00-0051 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,856.03	333.01
			33 44 36 00-0052 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,113.58	333.01
			33 44 36 00-0053 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,924.04	333.01
			33 44 36 00-0054 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,294.21	333.01
			33 44 36 00-0055 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,507.17	333.01
			33 44 36 00-0056 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,764.72	333.01
			33 44 36 00-0057 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,561.80	333.01
			33 44 36 00-0058 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,933.08	333.01
33 44 36 00-0059 Oil Skimmers, Add-Ons (33 44 36 00-0041)					
			33 44 36 00-0060 LF Add For Belt Projection, 12" Width	16.72	
			33 44 36 00-0061 LF Add For Belt Projection, 24" Width	31.22	
			33 44 36 00-0062 LF Add For Spacer Stands, 12" Models	206.62	
			33 44 36 00-0063 LF Add For Spacer Stands, 24" Models	255.68	

33 46 Stormwater Management (33 40)

33 46 51 Stormwater Leaching Pits (33 46)

33 46 51 00-0001 Drainage Wells (33 46 51)

Note: Includes augering hole.					
			33 46 51 00-0002 LF 12" Diameter Drainage Well With Corrugated Metal Liner	12.82	
			33 46 51 00-0003 LF 18" Diameter Drainage Well With Corrugated Metal Liner	16.06	
			33 46 51 00-0004 LF 24" Diameter Drainage Well With Corrugated Metal Liner	22.19	

33 46 51 00-0005 Dry Well Hole Augering In Soil (33 46 51)

			33 46 51 00-0006 VLF Up To 2-1/2" Diameter Dry Well Hole, Augering In Soil	1.73	
			33 46 51 00-0007 VLF 2-1/2" Diameter Dry Well Hole, Augering In Soil	1.93	
			33 46 51 00-0008 VLF 3" Diameter Dry Well Hole, Augering In Soil	2.36	
			33 46 51 00-0009 VLF 4" Diameter Dry Well Hole, Augering In Soil	2.71	
			33 46 51 00-0010 VLF 6" Diameter Dry Well Hole, Augering In Soil	2.93	
			33 46 51 00-0011 VLF 8" Diameter Dry Well Hole, Augering In Soil	3.23	
			33 46 51 00-0012 VLF 10" Diameter Dry Well Hole, Augering In Soil	3.58	
			33 46 51 00-0013 VLF 12" Diameter Dry Well Hole, Augering In Soil	4.04	
			33 46 51 00-0014 VLF 18" Diameter Dry Well Hole, Augering In Soil	4.61	
			33 46 51 00-0015 VLF 24" Diameter Dry Well Hole, Augering In Soil	5.39	
			33 46 51 00-0016 VLF 30" Diameter Dry Well Hole, Augering In Soil	6.46	
			33 46 51 00-0017 VLF 36" Diameter Dry Well Hole, Augering In Soil	8.10	

33 46 51 00-0018 City Of Miami Standard Auger Hole F-3 Structure (33 46 51)

			33 46 51 00-0019 EA City Of Miami Standard Auger Hole F-3 Structure Includes Structure, Well Grate, And 23' Of 15" CMP Pipe	4,714.86	
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33 50 Hydrocarbon Utilities (33)

33 52 Hydrocarbon Transmission and Distribution (33 50)

33 52 16 Gas Hydrocarbon Piping (33 52)

33 52 16 13 Steel Natural Gas Piping (33 52 16)

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001 Gas Distribution Lines (33 52 16 13)

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped (33 52 16 13-0001)

			33 52 16 13-0003 LF 1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	7.11	1.06
			33 52 16 13-0004 LF 3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	8.20	1.16
			33 52 16 13-0005 LF 1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	9.42	1.19
			33 52 16 13-0006 LF 1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	9.66	1.22
			33 52 16 13-0007 LF 1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	10.03	1.24
			33 52 16 13-0008 LF 2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	10.62	1.33
			33 52 16 13-0009 LF 2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	15.68	1.81
			33 52 16 13-0010 LF 3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	19.55	2.28
			33 52 16 13-0011 LF 4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	26.28	2.76

33 Utilities**33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	35.36	3.19
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	44.43	3.91
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	64.50	5.03
33 52 16 13-0015		Gas Line Taps (33 52 16 13-0001) Note: Includes material to tap into main and gas valve.		
33 52 16 13-0016		Polyethylene, 60 PSI (33 52 16 13-0015)		
33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	929.11	
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	1,070.62	
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	1,123.07	
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	1,624.93	
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	2,523.24	
33 52 16 13-0022		Steel, Schedule 40 (33 52 16 13-0015) Note: For punch steel service tee.		
33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,531.55	
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,557.59	
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,589.89	
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,621.45	
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,647.44	
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,797.71	
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,839.42	
33 52 16 13-0030		Protective Pipe And Fitting Wrap (33 52 16 13-0001) Note: Includes cleaning and priming pipe.		
33 52 16 13-0031		Corrosion Protection Pipe Wrap For Pipe (33 52 16 13-0030) Note: Field applied.		
33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	1.95	
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	2.02	
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	2.10	
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	2.39	
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	2.52	
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	2.93	
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.67	
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.68	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.02	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	8.17	
33 52 16 13-0042		Corrosion Resistance Wrap And Coat - Fittings (33 52 16 13-0030) Note: Field applied.		
33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	8.26	
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	8.26	
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	10.07	
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	11.62	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	11.62	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	13.76	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	18.23	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	26.94	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	27.52	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	32.00	
33 52 16 23		Medium Density Polyethylene Piping for Natural Gas (33 52 16)		
33 52 16 23-0001		Medium Density Polyethylene (MDPE) Gas Distribution Piping (33 52 16 23) Note: 60 PSI, PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002	LF	1/2" DR 9 (200 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	1.60	0.67
		<i>For Colors, Add</i>	0.03	
33 52 16 23-0003	LF	3/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	1.80	0.72
		<i>For DR 13.5 (128 PSI), Deduct</i>	-0.05	
		<i>For Colors, Add</i>	0.04	
33 52 16 23-0004	LF	1" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	1.99	0.77
		<i>For DR 13.5 (128 PSI), Deduct</i>	-0.07	
		<i>For Colors, Add</i>	0.04	
33 52 16 23-0005	LF	1-1/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	2.19	0.81
		<i>For DR 13.5 (128 PSI), Deduct</i>	-0.08	
		<i>For Colors, Add</i>	0.05	
33 52 16 23-0006	LF	1-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	2.57	0.99
		<i>For DR 13.5 (128 PSI), Deduct</i>	-0.11	
		<i>For Colors, Add</i>	0.07	
33 52 16 23-0007	LF	2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe	2.95	1.06
		<i>For DR 13.5 (128 PSI), Deduct</i>	-0.15	
		<i>For DR 15.5 (110 PSI), Deduct</i>	-0.27	
		<i>For Colors, Add</i>	0.10	



Utilities	33	CS
Hydrocarbon Utilities	33 50	
Hydrocarbon Transmission and Distribution	33 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 23-0008 LF 2-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.83	1.25
For DR 13.5 (128 PSI), Deduct	-0.25	
For DR 15.5 (110 PSI), Deduct	-0.45	
For Colors, Add	0.16	
33 52 16 23-0009 LF 3" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.76	1.49
For DR 13.5 (128 PSI), Deduct	-0.34	
For DR 15.5 (110 PSI), Deduct	-0.62	
For Colors, Add	0.22	
33 52 16 23-0010 LF 4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	7.88	1.73
For DR 13.5 (128 PSI), Deduct	-0.62	
For DR 15.5 (110 PSI), Deduct	-1.15	
For Colors, Add	0.40	
33 52 16 23-0011 LF 5" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	12.80	1.73
For DR 13.5 (128 PSI), Deduct	-0.87	
For DR 15.5 (110 PSI), Deduct	-1.59	
For Colors, Add	0.56	
33 52 16 23-0012 LF 6" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	12.39	1.73
For DR 13.5 (128 PSI), Deduct	-1.11	
For DR 15.5 (110 PSI), Deduct	-2.04	
For Colors, Add	0.71	
33 52 16 23-0013 LF 8" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	18.77	2.16
For DR 13.5 (128 PSI), Deduct	-1.84	
For DR 15.5 (110 PSI), Deduct	-3.39	
For Colors, Add	1.19	

33 53 Hydrocarbon Utility Pressure Regulation (33 50)

33 53 16 Gas Hydrocarbon Pressure Regulation (33 53)

33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends (33 53 16)

33 53 16 00-0002 EA 3/4" Gas Pressure Regulator, Screwed End.....	122.35	7.23
33 53 16 00-0003 EA 1" Gas Pressure Regulator, Screwed End.....	123.99	7.23
33 53 16 00-0004 EA 1-1/4" Gas Pressure Regulator, Screwed End.....	127.93	8.58
33 53 16 00-0005 EA 1-1/2" Gas Pressure Regulator, Screwed End.....	468.68	9.94
33 53 16 00-0006 EA 2" Gas Pressure Regulator, Screwed End.....	489.44	15.40
33 53 16 00-0007 EA 3" Gas Pressure Regulator, Screwed End.....	1,391.51	34.54
33 53 16 00-0008 EA 4" Gas Pressure Regulator, Screwed End.....	1,939.86	45.77

33 56 Hydrocarbon Storage (33 50)

33 56 13 Aboveground Hydrocarbon Storage Tanks (33 56)

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage (33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering (33 50)

33 59 11 Diaphragm/Bellows Hydrocarbons Meters (33 59)

33 59 11 00-0001 Diaphragm Meters (33 59 11)

Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002 EA 250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded.....	275.73	28.30
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0003 EA 425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded.....	568.10	43.27
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0004 EA 425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	684.72	43.27
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0005 EA 800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded.....	1,590.55	54.09
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0006 EA 1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	1,785.48	66.57
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0007 EA 800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	2,423.86	54.09
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0008 EA 1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	2,682.21	66.57
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0009 EA 1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	3,577.31	70.74
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0010 EA 2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	5,094.90	83.22
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0011 EA 5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	7,757.63	137.31
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	

33 59 16 Hydrocarbons Turbine Meters (33 59)

33 Utilities**33 50 Hydrocarbon Utilities****33 59 Hydrocarbon Utility Metering**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 59 16 00-0001			Gas Turbine Meters With Direct-Digital Reading (33 59 16) Note: Maximum working pressure 175 PSI, flanged end connections.		
33 59 16 00-0002	EA		4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	6,119.82	140.46
33 59 16 00-0003	EA		6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	6,806.39	163.11
33 59 16 00-0004	EA		8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	10,584.55	171.42
33 59 16 00-0005	EA		10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	20,673.66	208.69
33 59 16 00-0006	EA		12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	33,728.81	260.85

33 60 Hydronic And Steam Energy Utilities (33)**33 61 Hydronic Energy Distribution** (33 60)**33 61 13 Buried Hydronic Energy Distribution** (33 61)

33 61 13 00-0001			Preinsulated Pipe (33 61 13) Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0025 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.		
33 61 13 00-0002			Preinsulated Schedule 40 Black Steel Pipe (33 61 13 00-0001) Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0003			Standard Black Steel Carrier Pipe (33 61 13 00-0002) Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0004	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	33.03	
			For High Density Polyethylene (HDPE) Jacket, Add	0.44	
			For Schedule 80 Pipe, Add	4.42	
33 61 13 00-0005	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	36.12	
			For High Density Polyethylene (HDPE) Jacket, Add	0.49	
			For Schedule 80 Pipe, Add	4.86	
33 61 13 00-0006	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	39.91	
			For High Density Polyethylene (HDPE) Jacket, Add	0.55	
			For Schedule 80 Pipe, Add	5.48	
33 61 13 00-0007	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	42.62	
			For High Density Polyethylene (HDPE) Jacket, Add	0.59	
			For Schedule 80 Pipe, Add	5.88	
33 61 13 00-0008	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	44.77	
			For High Density Polyethylene (HDPE) Jacket, Add	0.61	
			For Schedule 80 Pipe, Add	6.15	
33 61 13 00-0009	LF		2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.76	
			For High Density Polyethylene (HDPE) Jacket, Add	0.67	
			For Schedule 80 Pipe, Add	6.68	
33 61 13 00-0010	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.26	
			For High Density Polyethylene (HDPE) Jacket, Add	0.72	
			For Schedule 80 Pipe, Add	7.22	
33 61 13 00-0011	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	72.41	
			For High Density Polyethylene (HDPE) Jacket, Add	0.91	
			For Schedule 80 Pipe, Add	9.09	
33 61 13 00-0012	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	91.16	
			For High Density Polyethylene (HDPE) Jacket, Add	1.16	
			For Schedule 80 Pipe, Add	11.62	
33 61 13 00-0013	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	106.19	
			For High Density Polyethylene (HDPE) Jacket, Add	1.35	
			For Schedule 80 Pipe, Add	13.50	
33 61 13 00-0014	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	144.98	
			For High Density Polyethylene (HDPE) Jacket, Add	1.96	
			For Schedule 80 Pipe, Add	19.64	
33 61 13 00-0015	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	185.28	
			For High Density Polyethylene (HDPE) Jacket, Add	2.59	
			For Schedule 80 Pipe, Add	25.92	
33 61 13 00-0016	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	230.17	
			For High Density Polyethylene (HDPE) Jacket, Add	3.23	
			For Schedule 80 Pipe, Add	32.33	
33 61 13 00-0017			Standard Black Steel Carrier Pipe (33 61 13 00-0002) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0018	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	35.24	
			For High Density Polyethylene (HDPE) Jacket, Add	0.49	
			For Schedule 80 Pipe, Add	4.86	
33 61 13 00-0019	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	38.55	
			For High Density Polyethylene (HDPE) Jacket, Add	0.54	
			For Schedule 80 Pipe, Add	5.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0020	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	42.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
			<i>For Schedule 80 Pipe, Add</i>	6.03	
33 61	13 00-0021	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	45.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
			<i>For Schedule 80 Pipe, Add</i>	6.47	
33 61	13 00-0022	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	47.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
			<i>For Schedule 80 Pipe, Add</i>	6.76	
33 61	13 00-0023	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
			<i>For Schedule 80 Pipe, Add</i>	7.35	
33 61	13 00-0024	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.79	
			<i>For Schedule 80 Pipe, Add</i>	7.94	
33 61	13 00-0025	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	76.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.00	
			<i>For Schedule 80 Pipe, Add</i>	9.99	
33 61	13 00-0026	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	96.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.28	
			<i>For Schedule 80 Pipe, Add</i>	12.79	
33 61	13 00-0027	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	112.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.48	
			<i>For Schedule 80 Pipe, Add</i>	14.84	
33 61	13 00-0028	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	154.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.16	
			<i>For Schedule 80 Pipe, Add</i>	21.61	
33 61	13 00-0029	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	198.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.85	
			<i>For Schedule 80 Pipe, Add</i>	28.51	
33 61	13 00-0030	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	246.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.56	
			<i>For Schedule 80 Pipe, Add</i>	35.57	
33 61	13 00-0031		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0002)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0032	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	36.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
			<i>For Schedule 80 Pipe, Add</i>	5.09	
33 61	13 00-0033	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	39.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
			<i>For Schedule 80 Pipe, Add</i>	5.59	
33 61	13 00-0034	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	44.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
			<i>For Schedule 80 Pipe, Add</i>	6.30	
33 61	13 00-0035	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	47.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
			<i>For Schedule 80 Pipe, Add</i>	6.76	
33 61	13 00-0036	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	49.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.71	
			<i>For Schedule 80 Pipe, Add</i>	7.07	
33 61	13 00-0037	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	55.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.77	
			<i>For Schedule 80 Pipe, Add</i>	7.68	
33 61	13 00-0038	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.83	
			<i>For Schedule 80 Pipe, Add</i>	8.30	
33 61	13 00-0039	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	79.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.04	
			<i>For Schedule 80 Pipe, Add</i>	10.45	
33 61	13 00-0040	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	99.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.34	
			<i>For Schedule 80 Pipe, Add</i>	13.37	
33 61	13 00-0041	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	116.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.55	
			<i>For Schedule 80 Pipe, Add</i>	15.52	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0042	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	159.71
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.26
		<i>For Schedule 80 Pipe, Add</i>	22.59
33 61 13 00-0043	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	204.72
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.98
		<i>For Schedule 80 Pipe, Add</i>	29.81
33 61 13 00-0044	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	254.42
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.72
		<i>For Schedule 80 Pipe, Add</i>	37.18
33 61 13 00-0045		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0002)</small>	
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0046	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	38.01
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54
		<i>For Schedule 80 Pipe, Add</i>	5.42
33 61 13 00-0047	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	41.59
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60
		<i>For Schedule 80 Pipe, Add</i>	5.96
33 61 13 00-0048	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	46.07
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67
		<i>For Schedule 80 Pipe, Add</i>	6.71
33 61 13 00-0049	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.23
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.72
		<i>For Schedule 80 Pipe, Add</i>	7.20
33 61 13 00-0050	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.69
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.75
		<i>For Schedule 80 Pipe, Add</i>	7.53
33 61 13 00-0051	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.28
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82
		<i>For Schedule 80 Pipe, Add</i>	8.18
33 61 13 00-0052	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.37
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.88
		<i>For Schedule 80 Pipe, Add</i>	8.84
33 61 13 00-0053	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	82.63
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.11
		<i>For Schedule 80 Pipe, Add</i>	11.13
33 61 13 00-0054	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	104.24
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.42
		<i>For Schedule 80 Pipe, Add</i>	14.24
33 61 13 00-0055	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	121.37
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.65
		<i>For Schedule 80 Pipe, Add</i>	16.53
33 61 13 00-0056	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	167.07
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.41
		<i>For Schedule 80 Pipe, Add</i>	24.06
33 61 13 00-0057	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	214.44
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.18
		<i>For Schedule 80 Pipe, Add</i>	31.75
33 61 13 00-0058	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	266.55
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.96
		<i>For Schedule 80 Pipe, Add</i>	39.61
33 61 13 00-0059		Preinsulated Black Steel Fittings <small>(33 61 13 00-0001)</small>	
		Note: No excavation or backfill.	
33 61 13 00-0060		Elbows <small>(33 61 13 00-0059)</small>	
33 61 13 00-0061		Elbows <small>(33 61 13 00-0060)</small>	
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0062	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	278.28
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.54
33 61 13 00-0063	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	287.59
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.65
33 61 13 00-0064	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	329.68
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.29
33 61 13 00-0065	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	368.20
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.77



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0066	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	420.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.01	
33 61	13 00-0067	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	487.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.25	
33 61	13 00-0068	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	565.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.22	
33 61	13 00-0069	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	659.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.42	
33 61	13 00-0070	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	796.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.82	
33 61	13 00-0071	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	882.90	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.29	
33 61	13 00-0072	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,246.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.77	
33 61	13 00-0073	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,694.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.71	
33 61	13 00-0074	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,174.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.06	
33 61 13 00-0075 Elbows <small>(33 61 13 00-0060)</small>					
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61	13 00-0076	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	295.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.88	
33 61	13 00-0077	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	305.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.00	
33 61	13 00-0078	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	349.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.69	
33 61	13 00-0079	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	389.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.21	
33 61	13 00-0080	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	442.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.46	
33 61	13 00-0081	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	510.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.72	
33 61	13 00-0082	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	592.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.76	
33 61	13 00-0083	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	691.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.05	
33 61	13 00-0084	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	837.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.63	
33 61	13 00-0085	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	928.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.21	
33 61	13 00-0086	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,313.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.10	
33 61	13 00-0087	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,779.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.42	
33 61	13 00-0088	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,286.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.32	
33 61 13 00-0089 Elbows <small>(33 61 13 00-0060)</small>					
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61	13 00-0090	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	312.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.22	
33 61	13 00-0091	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	322.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.35	
33 61	13 00-0092	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	369.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.08	
33 61	13 00-0093	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	411.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.64	
33 61	13 00-0094	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	465.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.91	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0095	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	534.12	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.19	
33 61 13 00-0096	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	619.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.30	
33 61 13 00-0097	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	722.79	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.68	
33 61 13 00-0098	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	877.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.45	
33 61 13 00-0099	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	975.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.14	
33 61 13 00-0100	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,379.97	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.44	
33 61 13 00-0101	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,864.93	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.12	
33 61 13 00-0102	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,399.58	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.57	

33 61 13 00-0103 Elbows (33 61 13 00-0060)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0104	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	329.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.57	
33 61 13 00-0105	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	339.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.70	
33 61 13 00-0106	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	389.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.48	
33 61 13 00-0107	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	433.13	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.07	
33 61 13 00-0108	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	487.65	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.37	
33 61 13 00-0109	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	557.57	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.66	
33 61 13 00-0110	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	646.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.84	
33 61 13 00-0111	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	754.35	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.31	
33 61 13 00-0112	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	918.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.26	
33 61 13 00-0113	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,021.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.06	
33 61 13 00-0114	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,446.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.77	
33 61 13 00-0115	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,950.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.83	
33 61 13 00-0116	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,512.31	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.83	

33 61 13 00-0117 Tees (33 61 13 00-0059)**33 61 13 00-0118 Tees** (33 61 13 00-0117)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0119	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	414.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.75	
33 61 13 00-0120	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	427.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.91	
33 61 13 00-0121	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	490.46	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.86	
33 61 13 00-0122	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	547.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.57	
33 61 13 00-0123	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	625.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.93	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0124	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	725.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.29	
33 61	13 00-0125	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	842.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.71	
33 61	13 00-0126	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	983.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.50	
33 61	13 00-0127	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,188.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.07	
33 61	13 00-0128	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,315.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.25	
33 61	13 00-0129	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,856.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.39	
33 61	13 00-0130	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,525.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.73	
33 61	13 00-0131	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,238.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.64	
33 61	13 00-0132		Tees <small>(33 61 13 00-0117)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0133	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	439.30	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.25	
33 61	13 00-0134	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	453.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.42	
33 61	13 00-0135	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	519.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.45	
33 61	13 00-0136	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	580.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.21	
33 61	13 00-0137	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	658.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.60	
33 61	13 00-0138	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	760.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.98	
33 61	13 00-0139	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	882.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.52	
33 61	13 00-0140	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,030.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.44	
33 61	13 00-0141	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,248.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.28	
33 61	13 00-0142	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,383.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.62	
33 61	13 00-0143	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,955.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.37	
33 61	13 00-0144	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,652.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.26	
33 61	13 00-0145	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,406.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	47.99	
33 61	13 00-0146		Tees <small>(33 61 13 00-0117)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0147	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	464.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.76	
33 61	13 00-0148	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	479.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.94	
33 61	13 00-0149	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	549.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.04	
33 61	13 00-0150	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	612.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.86	
33 61	13 00-0151	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	692.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.27	
33 61	13 00-0152	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	795.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.68	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0153	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	922.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.32	
33 61 13 00-0154	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,076.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.38	
33 61 13 00-0155	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,308.80	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.48	
33 61 13 00-0156	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,452.42	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.99	
33 61 13 00-0157	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,053.96	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.35	
33 61 13 00-0158	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,778.80	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.79	
33 61 13 00-0159	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,573.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.34	
33 61 13 00-0160		Tees <small>(33 61 13 00-0117)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0161	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	489.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.26	
33 61 13 00-0162	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	505.50	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.46	
33 61 13 00-0163	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	578.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.63	
33 61 13 00-0164	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	644.30	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.50	
33 61 13 00-0165	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	725.74	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.94	
33 61 13 00-0166	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	830.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.38	
33 61 13 00-0167	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	963.03	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.13	
33 61 13 00-0168	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,123.79	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.31	
33 61 13 00-0169	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,369.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.69	
33 61 13 00-0170	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,520.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.36	
33 61 13 00-0171	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,152.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.33	
33 61 13 00-0172	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,905.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.32	
33 61 13 00-0173	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,740.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	54.69	
33 61 13 00-0174		Reducers <small>(33 61 13 00-0059)</small>		
33 61 13 00-0175		Reducers <small>(33 61 13 00-0174)</small>		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0176	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	234.58	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.77	
33 61 13 00-0177	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	242.55	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.86	
33 61 13 00-0178	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	278.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.39	
33 61 13 00-0179	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	311.13	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.79	
33 61 13 00-0180	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	356.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.99	
33 61 13 00-0181	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	420.54	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0182	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	485.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.99	
33 61	13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	564.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.99	
33 61	13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	679.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.98	
33 61	13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	751.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.20	
33 61	13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,059.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.75	
33 61	13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,445.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.85	
33 61	13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,850.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.95	
33 61	13 00-0189		Reducers <small>(33 61 13 00-0174)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	248.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.05	
33 61	13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	257.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.15	
33 61	13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	294.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.72	
33 61	13 00-0193	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	329.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.15	
33 61	13 00-0194	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	375.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.36	
33 61	13 00-0195	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	440.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.58	
33 61	13 00-0196	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	507.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.44	
33 61	13 00-0197	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	590.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.51	
33 61	13 00-0198	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	712.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.66	
33 61	13 00-0199	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	789.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.97	
33 61	13 00-0200	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,115.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.86	
33 61	13 00-0201	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,516.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.27	
33 61	13 00-0202	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,944.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.82	
33 61	13 00-0203		Reducers <small>(33 61 13 00-0174)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0204	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	262.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.34	
33 61	13 00-0205	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	271.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.44	
33 61	13 00-0206	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	311.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.05	
33 61	13 00-0207	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	347.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.51	
33 61	13 00-0208	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	394.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.74	
33 61	13 00-0209	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	459.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.97	
33 61	13 00-0210	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	530.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.89	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0211	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	616.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.03	
33 61 13 00-0212	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	746.60	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.33	
33 61 13 00-0213	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	828.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.73	
33 61 13 00-0214	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,170.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.96	
33 61 13 00-0215	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,587.25	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.68	
33 61 13 00-0216	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,037.60	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.70	
33 61 13 00-0217		Reducers <small>(33 61 13 00-0174)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0218	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	277.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.62	
33 61 13 00-0219	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	285.96	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.73	
33 61 13 00-0220	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	327.60	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.38	
33 61 13 00-0221	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	365.03	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.87	
33 61 13 00-0222	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	413.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.11	
33 61 13 00-0223	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	478.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
33 61 13 00-0224	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	552.50	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.34	
33 61 13 00-0225	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	642.72	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.56	
33 61 13 00-0226	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	780.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.00	
33 61 13 00-0227	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	866.46	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.50	
33 61 13 00-0228	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,225.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.07	
33 61 13 00-0229	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,657.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.09	
33 61 13 00-0230	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,131.17	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.57	
33 61 13 00-0231		Preinsulated Type K Copper Pipe <small>(33 61 13 00-0001)</small>		
		Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0232		Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0233	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	29.49	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.35	
33 61 13 00-0234	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	32.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.38	
33 61 13 00-0235	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	35.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.43	
33 61 13 00-0236	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	37.76	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.46	
33 61 13 00-0237	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	39.70	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.48	
33 61 13 00-0238	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.50	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
33 61 13 00-0239	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0240	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.71	
33 61	13 00-0241	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	82.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.91	
33 61	13 00-0242	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	95.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.06	
33 61	13 00-0243	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	129.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.54	
33 61	13 00-0244	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	163.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.03	
33 61	13 00-0245	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	202.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.53	
33 61 13 00-0246 Type K Copper Carrier Pipe (33 61 13 00-0231)					
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61	13 00-0247	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	31.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.38	
33 61	13 00-0248	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	34.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.42	
33 61	13 00-0249	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	37.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61	13 00-0250	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	40.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
33 61	13 00-0251	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	42.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.53	
33 61	13 00-0252	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	48.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.58	
33 61	13 00-0253	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61	13 00-0254	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.78	
33 61	13 00-0255	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	86.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.00	
33 61	13 00-0256	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	101.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.16	
33 61	13 00-0257	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	136.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.69	
33 61	13 00-0258	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	173.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.23	
33 61	13 00-0259	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	215.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.78	
33 61 13 00-0260 Type K Copper Carrier Pipe (33 61 13 00-0231)					
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61	13 00-0261	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	32.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.40	
33 61	13 00-0262	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	35.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.44	
33 61	13 00-0263	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	38.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61	13 00-0264	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	41.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.53	
33 61	13 00-0265	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	43.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.55	
33 61	13 00-0266	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	49.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61	13 00-0267	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61	13 00-0268	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	70.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82	

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33 61 13 00-0269	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	89.16	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.05	
33 61 13 00-0270	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	103.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.21	
33 61 13 00-0271	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	140.55	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.77	
33 61 13 00-0272	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	178.72	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.33	
33 61 13 00-0273	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	221.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.91	
33 61 13 00-0274		Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0275	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	33.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.42	
33 61 13 00-0276	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	36.47	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61 13 00-0277	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	40.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.53	
33 61 13 00-0278	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	42.93	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
33 61 13 00-0279	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.59	
33 61 13 00-0280	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.64	
33 61 13 00-0281	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.21	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.69	
33 61 13 00-0282	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	73.65	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.87	
33 61 13 00-0283	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	92.58	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.11	
33 61 13 00-0284	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	107.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.29	
33 61 13 00-0285	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	146.32	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.88	
33 61 13 00-0286	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	186.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.49	
33 61 13 00-0287	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	231.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.10	
33 61 13 00-0288		Preinsulated Copper Fittings <small>(33 61 13 00-0001)</small>		
33 61 13 00-0289		Elbows <small>(33 61 13 00-0288)</small>		
33 61 13 00-0290		Elbows <small>(33 61 13 00-0289)</small>		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0291	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	241.75	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.95	
33 61 13 00-0292	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	249.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.04	
33 61 13 00-0293	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	286.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.60	
33 61 13 00-0294	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	319.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.01	
33 61 13 00-0295	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	364.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.22	
33 61 13 00-0296	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	423.31	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.43	
33 61 13 00-0297	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	491.13	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.27	
33 61 13 00-0298	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	573.13	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.31	



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33 61 13 00-0299 EA 5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	692.15	
For High Density Polyethylene (HDPE) Jacket, Add	9.40	
33 61 13 00-0300 EA 6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	767.06	
For High Density Polyethylene (HDPE) Jacket, Add	10.68	
33 61 13 00-0301 EA 8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,083.09	
For High Density Polyethylene (HDPE) Jacket, Add	15.43	
33 61 13 00-0302 EA 10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,472.25	
For High Density Polyethylene (HDPE) Jacket, Add	19.73	
33 61 13 00-0303 EA 12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,888.88	
For High Density Polyethylene (HDPE) Jacket, Add	26.11	
33 61 13 00-0304 Elbows (33 61 13 00-0289)		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0305 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	256.54	
For High Density Polyethylene (HDPE) Jacket, Add	4.24	
33 61 13 00-0306 EA 1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	264.96	
For High Density Polyethylene (HDPE) Jacket, Add	4.34	
33 61 13 00-0307 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	303.62	
For High Density Polyethylene (HDPE) Jacket, Add	4.94	
33 61 13 00-0308 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	338.64	
For High Density Polyethylene (HDPE) Jacket, Add	5.39	
33 61 13 00-0309 EA 2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	384.48	
For High Density Polyethylene (HDPE) Jacket, Add	5.61	
33 61 13 00-0310 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	443.68	
For High Density Polyethylene (HDPE) Jacket, Add	5.84	
33 61 13 00-0311 EA 3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	514.63	
For High Density Polyethylene (HDPE) Jacket, Add	6.74	
33 61 13 00-0312 EA 4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	600.54	
For High Density Polyethylene (HDPE) Jacket, Add	7.86	
33 61 13 00-0313 EA 5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	727.40	
For High Density Polyethylene (HDPE) Jacket, Add	10.10	
33 61 13 00-0314 EA 6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	807.10	
For High Density Polyethylene (HDPE) Jacket, Add	11.48	
33 61 13 00-0315 EA 8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,140.97	
For High Density Polyethylene (HDPE) Jacket, Add	16.59	
33 61 13 00-0316 EA 10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,546.22	
For High Density Polyethylene (HDPE) Jacket, Add	21.21	
33 61 13 00-0317 EA 12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,986.79	
For High Density Polyethylene (HDPE) Jacket, Add	28.07	
33 61 13 00-0318 Elbows (33 61 13 00-0289)		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0319 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	271.34	
For High Density Polyethylene (HDPE) Jacket, Add	4.54	
33 61 13 00-0320 EA 1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	280.11	
For High Density Polyethylene (HDPE) Jacket, Add	4.64	
33 61 13 00-0321 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	320.85	
For High Density Polyethylene (HDPE) Jacket, Add	5.28	
33 61 13 00-0322 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	357.44	
For High Density Polyethylene (HDPE) Jacket, Add	5.76	
33 61 13 00-0323 EA 2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	404.06	
For High Density Polyethylene (HDPE) Jacket, Add	6.01	
33 61 13 00-0324 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	464.04	
For High Density Polyethylene (HDPE) Jacket, Add	6.25	
33 61 13 00-0325 EA 3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	538.12	
For High Density Polyethylene (HDPE) Jacket, Add	7.21	
33 61 13 00-0326 EA 4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	627.95	
For High Density Polyethylene (HDPE) Jacket, Add	8.41	
33 61 13 00-0327 EA 5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	762.64	
For High Density Polyethylene (HDPE) Jacket, Add	10.81	

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33 61 13 00-0328	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	847.25	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.28	
33 61 13 00-0329	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,198.79	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.75	
33 61 13 00-0330	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,620.01	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.69	
33 61 13 00-0331	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,084.83	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.03	
33 61 13 00-0332		Elbows <small>(33 61 13 00-0289)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0333	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	286.13	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.83	
33 61 13 00-0334	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	295.25	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.95	
33 61 13 00-0335	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	338.08	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.63	
33 61 13 00-0336	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	376.24	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.14	
33 61 13 00-0337	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	423.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.40	
33 61 13 00-0338	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	484.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.65	
33 61 13 00-0339	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	561.62	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.68	
33 61 13 00-0340	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	655.37	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.96	
33 61 13 00-0341	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	797.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.51	
33 61 13 00-0342	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	887.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.08	
33 61 13 00-0343	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,256.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.91	
33 61 13 00-0344	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,693.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.17	
33 61 13 00-0345	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,182.74	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.98	
33 61 13 00-0346		Tees <small>(33 61 13 00-0288)</small>		
33 61 13 00-0347		Tees <small>(33 61 13 00-0346)</small>		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0348	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	359.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.86	
33 61 13 00-0349	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	371.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.00	
33 61 13 00-0350	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	426.04	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.82	
33 61 13 00-0351	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	475.93	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44	
33 61 13 00-0352	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	543.24	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.75	
33 61 13 00-0353	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	630.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.06	
33 61 13 00-0354	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	732.01	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.31	
33 61 13 00-0355	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	854.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.86	
33 61 13 00-0356	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,032.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.96	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0357	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,142.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.85	
33 61	13 00-0358	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,612.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.92	
33 61	13 00-0359	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,194.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.29	
33 61	13 00-0360	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,813.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.77	
33 61 13 00-0361 Tees <small>(33 61 13 00-0346)</small>					
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61	13 00-0362	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	381.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.30	
33 61	13 00-0363	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	394.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.45	
33 61	13 00-0364	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	451.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.34	
33 61	13 00-0365	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	503.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.00	
33 61	13 00-0366	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	572.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.34	
33 61	13 00-0367	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	660.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.67	
33 61	13 00-0368	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	766.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.00	
33 61	13 00-0369	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	894.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.67	
33 61	13 00-0370	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,084.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.00	
33 61	13 00-0371	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,202.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.04	
33 61	13 00-0372	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,698.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.64	
33 61	13 00-0373	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,304.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.49	
33 61	13 00-0374	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,959.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.68	
33 61 13 00-0375 Tees <small>(33 61 13 00-0346)</small>					
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61	13 00-0376	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	403.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.74	
33 61	13 00-0377	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	416.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.90	
33 61	13 00-0378	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	477.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.85	
33 61	13 00-0379	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	531.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.56	
33 61	13 00-0380	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	601.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.92	
33 61	13 00-0381	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	691.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.27	
33 61	13 00-0382	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	801.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.70	
33 61	13 00-0383	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	935.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.48	
33 61	13 00-0384	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,137.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.05	
33 61	13 00-0385	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,261.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.23	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0386	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,783.85
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.36
33 61 13 00-0387	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,412.99
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.69
33 61 13 00-0388	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,105.81
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.59
33 61 13 00-0389	Tees <small>(33 61 13 00-0346)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0390	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	425.54
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.18
33 61 13 00-0391	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	439.10
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.35
33 61 13 00-0392	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	502.81
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.36
33 61 13 00-0393	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	559.68
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.12
33 61 13 00-0394	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	630.47
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.50
33 61 13 00-0395	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	721.36
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.88
33 61 13 00-0396	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	836.70
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.40
33 61 13 00-0397	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	976.37
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.30
33 61 13 00-0398	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,189.42
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.10
33 61 13 00-0399	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,321.40
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.42
33 61 13 00-0400	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,869.79
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.08
33 61 13 00-0401	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,522.84
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.89
33 61 13 00-0402	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,251.20
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	47.50
33 61 13 00-0403	Reducers <small>(33 61 13 00-0288)</small>		
33 61 13 00-0404	Reducers <small>(33 61 13 00-0403)</small>		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0405	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	203.77
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.27
33 61 13 00-0406	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	210.69
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.35
33 61 13 00-0407	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	241.66
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.81
33 61 13 00-0408	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	270.29
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.16
33 61 13 00-0409	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	310.09
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.33
33 61 13 00-0410	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	365.38
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.51
33 61 13 00-0411	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	421.51
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.20
33 61 13 00-0412	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	490.14
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.07
33 61 13 00-0413	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	590.14
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.80
33 61 13 00-0414	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	653.07
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.86



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0415	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	920.81 12.81	
33 61	13 00-0416	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,256.23 16.37	
33 61	13 00-0417	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,607.71 21.67	
33 61 13 00-0418 Reducers <small>(33 61 13 00-0403)</small>					
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61	13 00-0419	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	216.05 3.52	
33 61	13 00-0420	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	223.26 3.60	
33 61	13 00-0421	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	255.96 4.10	
33 61	13 00-0422	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	285.89 4.47	
33 61	13 00-0423	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	326.35 4.66	
33 61	13 00-0424	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	382.29 4.85	
33 61	13 00-0425	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	441.02 5.59	
33 61	13 00-0426	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	512.89 6.52	
33 61	13 00-0427	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	619.39 8.39	
33 61	13 00-0428	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	686.30 9.53	
33 61	13 00-0429	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	968.85 13.77	
33 61	13 00-0430	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,317.63 17.60	
33 61	13 00-0431	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,688.98 23.30	
33 61 13 00-0432 Reducers <small>(33 61 13 00-0403)</small>					
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61	13 00-0433	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	228.33 3.77	
33 61	13 00-0434	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	235.83 3.85	
33 61	13 00-0435	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	270.26 4.39	
33 61	13 00-0436	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	301.49 4.78	
33 61	13 00-0437	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	342.60 4.98	
33 61	13 00-0438	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	399.19 5.18	
33 61	13 00-0439	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	460.52 5.98	
33 61	13 00-0440	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	535.64 6.98	
33 61	13 00-0441	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	648.65 8.97	
33 61	13 00-0442	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	719.63 10.19	
33 61	13 00-0443	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,016.72 14.73	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0444	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,378.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.83	
33 61 13 00-0445	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,770.36	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.92	
33 61 13 00-0446		Reducers <small>(33 61 13 00-0403)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0447	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	240.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.01	
33 61 13 00-0448	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	248.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.11	
33 61 13 00-0449	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	284.57	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.67	
33 61 13 00-0450	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	317.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.10	
33 61 13 00-0451	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	358.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.31	
33 61 13 00-0452	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	416.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.52	
33 61 13 00-0453	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	480.03	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.37	
33 61 13 00-0454	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	558.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.43	
33 61 13 00-0455	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	677.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.56	
33 61 13 00-0456	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	752.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.85	
33 61 13 00-0457	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,064.76	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.69	
33 61 13 00-0458	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,440.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.06	
33 61 13 00-0459	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,851.62	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.55	
33 61 13 00-0460		Preinsulated Ductile Iron Carrier Pipe <small>(33 61 13 00-0001)</small>		
		Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0461		Ductile Iron Carrier Pipe <small>(33 61 13 00-0460)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0462	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	82.99	
33 61 13 00-0463	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	121.52	
33 61 13 00-0464	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	164.59	
33 61 13 00-0465	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	209.43	
33 61 13 00-0466	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	260.05	
33 61 13 00-0467		Ductile Iron Carrier Pipe <small>(33 61 13 00-0460)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0468	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	88.48	
33 61 13 00-0469	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	129.68	
33 61 13 00-0470	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	176.48	
33 61 13 00-0471	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	225.12	
33 61 13 00-0472	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	279.61	
33 61 13 00-0473	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	306.13	
33 61 13 00-0474	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	345.33	
33 61 13 00-0475	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	389.11	
33 61 13 00-0476	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	428.55	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0477	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	508.26	
33 61 13 00-0478		Preinsulated Ductile Iron Fittings (33 61 13 00-0001)		
33 61 13 00-0479		Elbows (33 61 13 00-0478)		
33 61 13 00-0480		Elbows (33 61 13 00-0479) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0481	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	725.54	
33 61 13 00-0482	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	979.11	
33 61 13 00-0483	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,385.77	
33 61 13 00-0484	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,872.35	
33 61 13 00-0485	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,409.40	
33 61 13 00-0486		Elbows (33 61 13 00-0479) Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0487	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	793.46	
33 61 13 00-0488	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,078.29	
33 61 13 00-0489	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,529.16	
33 61 13 00-0490	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,055.63	
33 61 13 00-0491	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,651.98	
33 61 13 00-0492	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,229.84	
33 61 13 00-0493	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,826.62	
33 61 13 00-0494	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,778.80	
33 61 13 00-0495	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,056.18	
33 61 13 00-0496	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,809.81	
33 61 13 00-0497		Tees (33 61 13 00-0478)		
33 61 13 00-0498		Tees (33 61 13 00-0497) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0499	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,081.00	
33 61 13 00-0500	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,458.38	
33 61 13 00-0501	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,062.58	
33 61 13 00-0502	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,789.82	
33 61 13 00-0503	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,588.02	
33 61 13 00-0504		Tees (33 61 13 00-0497) Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0505	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,181.86	
33 61 13 00-0506	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,605.67	
33 61 13 00-0507	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,275.51	
33 61 13 00-0508	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,061.99	
33 61 13 00-0509	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,948.25	
33 61 13 00-0510	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,730.34	
33 61 13 00-0511	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,606.10	
33 61 13 00-0512	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	7,001.86	
33 61 13 00-0513	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	8,877.40	
33 61 13 00-0514	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	11,444.48	
33 61 13 00-0515		Reducers (33 61 13 00-0478)		

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0516	Reducers <small>(33 61 13 00-0515)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0517	EA 4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	618.80	
33 61 13 00-0518	EA 6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	831.53	
33 61 13 00-0519	EA 8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,175.33	
33 61 13 00-0520	EA 10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,593.41	
33 61 13 00-0521	EA 12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,045.75	
33 61 13 00-0522	Reducers <small>(33 61 13 00-0515)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0523	EA 4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	675.17	
33 61 13 00-0524	EA 6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	913.86	
33 61 13 00-0525	EA 8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,294.34	
33 61 13 00-0526	EA 10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,745.53	
33 61 13 00-0527	EA 12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,247.09	
33 61 13 00-0528	EA 14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,689.11	
33 61 13 00-0529	EA 16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,183.12	
33 61 13 00-0530	EA 18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,953.12	
33 61 13 00-0531	EA 20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,040.75	
33 61 13 00-0532	EA 24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,513.96	
33 61 13 00-0533	Tempered Water Piping Pre-Insulated <small>(33 61 13 00-0001)</small>		
33 61 13 00-0534	Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0533)</small>		
33 61 13 00-0535	LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	36.99	8.55
33 61 13 00-0536	LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	50.35	12.27
33 61 13 00-0537	LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	68.63	13.53
33 61 13 00-0538	LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	92.76	16.90
33 61 13 00-0539	LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	118.35	20.84
33 61 13 00-0540	Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0533)</small>		
33 61 13 00-0541	LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	25.36	12.27
33 61 13 00-0542	LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	27.66	12.27
33 61 13 00-0543	LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	29.80	12.27
33 61 13 00-0544	LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	35.82	14.49
33 61 13 00-0545	LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	43.55	18.39
33 61 13 00-0546	Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0533)</small>		
33 61 13 00-0547	LF 4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	25.36	12.27
33 61 13 00-0548	LF 6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	27.66	12.27
33 61 13 00-0549	LF 8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	29.80	12.27
33 61 13 00-0550	LF 10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	35.81	14.49
33 61 13 00-0551	LF 12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	43.55	18.39

33 70 Electrical Utilities (33)**33 71 Electrical Utility Transmission And Distribution** (33 70)**33 71 19 Electrical Underground Ducts, Ductbanks and Manholes** (33 71)

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 00-0001 Electrical Handholes And Pull Boxes (33 71 19)**33 71 19 00-0002 Electrical Pull Boxes** (33 71 19 00-0001)

See CSI section 33 05 63 00-0427 for handholes.

33 71 19 00-0003	EA 24" x 36" x 24", Electric Pull Boxes, Precast Concrete	884.58	
33 71 19 00-0004	EA 24" x 36" x 36", Electric Pull Boxes, Precast Concrete	1,066.86	
33 71 19 00-0005	EA 30" x 48" x 36", Electric Pull Boxes, Precast Concrete	1,241.62	



	Utilities	33	
	Electrical Utilities	33 70	33
	Electrical Utility Transmission And Distribution	33 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 00-0006 EA 36" x 72" x 24", Electric Pull Boxes, Precast Concrete	1,966.12	
33 71 19 00-0007 EA 36" x 60" x 36", Electric Pull Boxes, Precast Concrete	2,105.22	
33 71 19 00-0008 EA 48" x 48" x 36", Electric Pull Boxes, Precast Concrete	2,268.25	
33 71 19 00-0009 EA 48" x 60" x 48", Electric Pull Boxes, Precast Concrete	2,612.47	
33 71 19 00-0010 Electrical Property Line Boxes (33 71 19)		
33 71 19 00-0011 EA 3'-6" x 2'-9" x 2' Deep Property Line Box	1,851.32	161.75
33 71 19 00-0012 EA 4'-6" x 3'-6" x 4' Deep Property Line Box	2,175.34	167.74
33 71 19 00-0013 EA 6' x 4' x 5' Deep Property Line Box	2,387.10	203.68
33 71 19 00-0014 EA 11'-6" x 4'-6" x 6' Deep Property Line Box	3,654.75	299.53
33 71 19 00-0015 Underground Electrical Concrete Markers (33 71 19)		
33 71 19 00-0016 EA 36" x 6" x 6", Underground Electric Concrete Marker	156.53	
33 71 19 00-0017 Manhole Accessories (33 71 19)		
33 71 19 00-0018 EA 6" Precast Grade Ring Riser Casting.....	240.50	
33 71 19 00-0019 EA 12" Precast Grade Ring Riser Casting.....	260.43	
33 71 19 00-0020 EA 36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D.....	1,139.06	
33 71 19 00-0021 EA 42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1.....	1,489.48	
33 71 19 00-0022 EA Cast Iron Adjusting Ring NEENAH #R-1979.....	467.17	
33 71 19 00-0023 EA Cast Iron Frame And Cover NEENAH #R-1640-B.....	599.56	

END OF SECTION 33

33 Utilities

33 70 Electrical Utilities

33 71 Electrical Utility Transmission And Distribution



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

34 Transportation

34 01 Operation And Maintenance Of Transportation ⁽³⁴⁾

34 01 43 Operation And Maintenance Of Bridges ^(34 01)

34 01 43 00-0001	Repair Of Bridge Posts ^(34 01 43)		
34 01 43 00-0002	SF Chipping Of Concrete To Expose Rebar	10.93	
34 01 43 00-0003	EA Replace Concrete Post, 20" x 20" Square, 36" To 42" High.....	913.26	
	Note: Includes removal of damaged post, drilling, epoxy injection, rebar, forms and concrete.		
34 01 43 00-0004	EA Repair Bearing Pad	317.54	
34 01 43 00-0005	Repair Of Bridge Rails ^(34 01 43)		
34 01 43 00-0006	EA Repair Concrete Rail Supports	134.75	
34 01 43 00-0007	LF Repair Guardrail	50.53	
	For Up To 5, Add	25.27	
	For >5 To 10, Add	15.16	
	For >10 To 20, Add	7.58	
34 01 43 00-0008	LF Repair Bridge Parapet Wall	84.22	
	For Up To 5, Add	42.11	
	For >5 To 10, Add	25.27	
	For >10 To 20, Add	12.63	
34 01 43 00-0009	LF Repair Bridge Rail.....	33.69	
	For Up To 5, Add	16.85	
	For >5 To 10, Add	10.11	
	For >10 To 20, Add	5.05	
34 01 43 00-0010	LF Repair Damaged Metal Rail And Posts	22.20	
34 01 43 00-0011	LF Replace Metal Rail, 1-1/2" Galvanized	25.27	
34 01 43 00-0012	LF Replace Metal Rail, 2-1/2" Galvanized	33.68	
34 01 43 00-0013	LF Replace Metal Rail, 3" Galvanized.....	38.16	
34 01 43 00-0014	Repair Of Bridge ^(34 01 43)		
34 01 43 00-0015	LF Repair Of Expansion Joints On Bridge	9.88	
	For Up To 20, Add	2.38	
	For >20 To 40, Add	1.19	
	For 41 LF To 60 LF, Add	0.60	

34 40 Transportation Signaling and Control Equipment ⁽³⁴⁾

34 41 Roadway Signaling and Control Equipment ^(34 40)

34 41 13 Traffic Signals ^(34 41)

34 41 13 00-0001 Traffic Signals ^(34 41 13)

34 41 13 00-0002	EA Single Traffic Signal Head, 4 Way Pattern.....	4,690.58	368.33
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34 41 13 00-0003 Traffic Detector Induction Loop ^(34 41 13)

34 41 13 00-0004	EA 6' x 6', Dipole, 3 Turns Per Loop, Traffic Detection Induction Loop	207.59	
	Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0005	EA 6' x 6', Diagonal Quadropole, 3 Turns Per Loop, Traffic Detection Induction Loop.....	258.90	
	Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0006	EA 6' x 6', Diagonal Quadropole, 5 Turns Per Loop, Traffic Detection Induction Loop.....	289.89	
	Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0007	EA 6' x 6', Quadropole, Bicycle Type, 3 Turns Per Loop, Traffic Detection Induction Loop.....	254.14	
	Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0008	EA 6' x 20', 3 Turns Per Loop, Traffic Detection Induction Loop.....	440.93	
	Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0009	EA 6' x 28', 2 Turns Per Loop, Traffic Detection Induction Loop.....	544.41	
	Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0010	EA 6' x 28', 3 Turns Per Loop, Traffic Detection Induction Loop.....	576.63	
	Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0011	EA 6' x 40', 1 Turn Per Loop, Traffic Detection Induction Loop	719.15	
	Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0012	EA 6' x 40', 2 Turns Per Loop, Traffic Detection Induction Loop.....	766.27	
	Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0013	EA 6' x 50', 1 Turn Per Loop, Traffic Detection Induction Loop	835.49	
	Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0014	EA 6' x 50', 2 Turns Per Loop, Traffic Detection Induction Loop.....	893.04	
	Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		

34 Transportation

34 40 Transportation Signaling and Control Equipment

34 41 Roadway Signaling and Control Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector.....	3.25
		Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector.....	1.76
		Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222).....	144.80
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100).....	427.66
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100).....	261.69
34 41 13 00-0020 Overhead Traffic Signals <small>(34 41 13)</small>			
34 41 13 00-0021	EA	Signal Head, Polycarbonate/LED, 1-F/5-S, Plumb Mounted.....	1,270.49
34 41 13 00-0022	EA	Signal Head, Polycarbonate/LED, 1-F/3-S, Bracket Mounted.....	1,094.24
34 41 13 00-0023	EA	Signal Head, Polycarbonate/LED, 1-F/4-S, Bracket Mounted.....	1,442.49
34 41 13 00-0024	EA	Signal Head, Polycarbonate/LED, 1-F/5-S, Bracket Mounted.....	1,569.81
34 41 13 00-0025	EA	Optically Programmed Signal Head, 1-F/3-S, Bracket Mounted.....	2,772.39
34 41 13 00-0026	EA	Optically Programmed Signal Head, 1-F/4-S, Bracket Mounted.....	4,332.50
34 41 13 00-0027	EA	Optically Programmed Signal Head, 1-F/5-S, Bracket Mounted.....	4,931.66
34 41 13 00-0028	EA	Signal Head, Polycarbonate/LED, 1-F/3-S, Mast Arm Mounted.....	1,269.68
34 41 13 00-0029	EA	Signal Head, Polycarbonate/LED, 1-F/4-S, Mast Arm Mounted.....	1,710.19
34 41 13 00-0030	EA	Signal Head, Polycarbonate/LED, 1-F/5-S, Mast Arm Mounted.....	1,767.86
34 41 13 00-0031	EA	Optically Programmed Signal Head, 1-F/3-S, Mast Arm Mounted.....	3,050.97
34 41 13 00-0032	EA	Optically Programmed Signal Head, 1-F/4-S, Mast Arm Mounted.....	4,458.20
34 41 13 00-0033	EA	Optically Programmed Signal Head, 1-F/5-S, Mast Arm Mounted.....	5,019.24
34 41 13 00-0034	EA	Pedestrian Signal Head, Polycarbonate/LED, 1-F/ 2-S, Bracket Mounted.....	787.85
34 41 13 00-0035	EA	Audible Pedestrian Signal.....	786.51
34 41 13 00-0036	EA	Junction Box, Pole Or Post Mounted.....	337.47
34 41 13 00-0037	EA	Pedestrian Push Button.....	285.96
34 41 13 00-0038	EA	Illuminated Sign, Bracket Mounted, Symbolic.....	2,566.18
34 41 13 00-0039	EA	Illuminated Sign, Mast Arm Mounted, Symbolic.....	2,666.31
34 41 13 00-0040	EA	Sign, Message, "BLANK OUT", Bracket Mounted.....	2,843.39
34 41 13 00-0041	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted.....	3,014.58
34 41 13 00-0042	EA	Sign, Fiber Optic, Bracket Mounted.....	3,264.33
34 41 13 00-0043	EA	Sign, Fiber Optic, Mast Arm Mounted.....	3,439.04
34 41 13 00-0044	EA	15' Steel Straight Mast Arm, MONOTUBE.....	1,832.32
34 41 13 00-0045	EA	20' Steel Straight Mast Arm, MONOTUBE.....	1,920.14
34 41 13 00-0046	EA	25' Steel Straight Mast Arm, MONOTUBE.....	2,068.32
34 41 13 00-0047	EA	30' Steel Straight Mast Arm, MONOTUBE.....	2,879.54
34 41 13 00-0048	EA	35' Steel Straight Mast Arm, MONOTUBE.....	3,505.80
34 41 13 00-0049	EA	40' Steel Straight Mast Arm, MONOTUBE.....	3,775.41
34 41 13 00-0050	EA	45' Steel Straight Mast Arm, MONOTUBE.....	4,135.59
34 41 13 00-0051	EA	4' Steel Curved Luminaire Mast Arm.....	612.69
34 41 13 00-0052	EA	6' Steel Curved Luminaire Mast Arm.....	802.01
		<i>For High Rise Arm, Add</i>	81.63
34 41 13 00-0053	EA	8' Steel Curved Luminaire Mast Arm.....	1,003.60
34 41 13 00-0054	EA	10' Steel Curved Luminaire Mast Arm.....	1,327.33
		<i>For High Rise Arm, Add</i>	120.15
34 41 13 00-0055	EA	12' Steel Curved Luminaire Mast Arm.....	1,487.97
		<i>For High Rise Arm, Add</i>	141.70
34 41 13 00-0056	EA	15' Steel Curved Luminaire Mast Arm.....	1,579.82
		<i>For High Rise Arm, Add</i>	158.03
34 41 13 00-0057	EA	15' Tubular Aluminum Post.....	636.10
34 41 13 00-0058	EA	17' Tubular Aluminum Post.....	671.94
34 41 13 00-0059	EA	20' Tubular Aluminum Post.....	741.59
34 41 13 00-0060	EA	CUT-OFF POLE AND CAPPED.....	88.05
34 41 13 00-0061	EA	PAINT EXISTING SL/T'S CONTROLLER COMPLETE.....	27.26
34 41 13 00-0062	EA	PAINT EXISTING TS POST COMPLETE.....	124.71
34 41 13 00-0063	EA	1 Channel Loop Detector Amp.....	1,117.57
34 41 13 00-0064	EA	4 Channel Loop Detector Amp.....	2,157.01
34 41 13 00-0065	EA	FLASHING BEACON WITH DOWNLIGHT.....	1,425.62
34 41 13 00-0066	EA	Flashing Beacon, Bracket Mounted.....	416.58
34 41 13 00-0067	EA	Flashing Beacon, Mast Arm Mounted.....	416.58
34 41 13 00-0068	EA	Flashing Beacon, Solar Powered, Bracket Mounted.....	13,641.47
34 41 13 00-0069	EA	ACCUWAVE DETECTOR.....	2,937.71
34 41 13 00-0070	EA	RTMS DETECTOR.....	9,523.32
34 41 13 00-0071	LF	LEAD-IN CABEL: ACCUWAVE/RTMS DET.....	3.85
34 41 13 00-0072	LF	CABLE IN CONDUIT, #14, 2/C SHIELDED.....	2.65
34 41 13 00-0073	LF	CABLE IN CONDUIT, #4, 2/C.....	4.12
34 41 13 00-0074	LF	CABLE IN CONDUIT, #12, 7/C.....	4.07
34 41 13 00-0075	LF	CABLE IN CONDUIT, #12, 10/C.....	4.77
34 41 13 00-0076	LF	CABLE IN CONDUIT, #12, 19/C.....	6.25
34 41 13 00-0077	EA	TERMINATIONS #12, 7/C.....	77.85
34 41 13 00-0078	EA	SPLICE CABLES IN MH, #12, 7/C.....	205.49
34 41 13 00-0079	EA	CIRCUIT BREAKER - 2 Phase, 240 Volt.....	197.30
34 41 13 00-0080	LF	HARNESS CABLE, #16, 8/C.....	3.94
34 41 13 00-0081	LF	CABLE, T.S., AERIAL, TEMP.....	5.32
34 41 13 00-0082	EA	7-WIRE MASTER INTERCONNECT.....	980.86
34 41 13 00-0083	EA	7-WIRE SLAVE INTERCONNECT.....	937.32
34 41 13 00-0084	LF	F.O. HYBRID CABLE, IN CONDUIT.....	4.29
34 41 13 00-0085	LF	INNERDUCT IN CONDUIT, 1-1/4".....	2.96
		<i>For 2 Pulled At Same Time, Deduct</i>	-1.05
		<i>For >2 Pulled At Same Time, Deduct</i>	-1.40
34 41 13 00-0086	EA	CABLE IN CONDUIT, With STEEL CONNECTION.....	5.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 41 13 00-0087	School Zone Flasher Beacons (34 41 13)		
34 41 13 00-0088	EA One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,267.41	90.46
	Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0089	EA One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,291.14	90.46
	Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0090	EA Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,693.95	90.46
	Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0091	EA Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,769.87	90.46
	Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0092	EA 10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,976.43	90.46
	Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0093	EA 10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	7,273.97	90.46
	Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		

34 41 16 Traffic Control Equipment (34 41)

34 41 16 00-0001	Transportation Control Equipment (34 41 16)		
34 41 16 00-0002	EA CONTROLLER/SL/POLE MTD/1-PHASE/100A.....	6,779.32	424.31
34 41 16 00-0003	EA CONTROLLER/SL/ON EMB POLE 1-PH/100A.....	6,828.20	448.74
34 41 16 00-0004	EA CONTROLLER, SL, 3-PHASE, 100A, BASE MTD.....	8,443.85	454.03
34 41 16 00-0005	EA CONTROLLER, SL, 3-PHASE, 200A, BASE MTD.....	10,022.63	551.27
34 41 16 00-0006	EA CONTROLLER/SL/BASE MTD/1-PHASE/100A.....	8,477.96	271.95
34 41 16 00-0007	EA CONTROLLER/SL/BASE MTD/1-PHASE/200A.....	9,404.57	297.73
34 41 16 00-0008	EA CONTROLLER, TS, 12-BAY, "M" CABINET.....	15,520.06	468.08
34 41 16 00-0009	EA CONTROLLER, TS, 12-BAY, "P" CABINET.....	16,492.02	518.73
34 41 16 00-0010	EA CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER.....	23,804.05	583.19
34 41 16 00-0011	EA CONTROLLER, TS, 16-BAY, "P" CABINET.....	18,736.26	552.49
34 41 16 00-0012	EA CONTROLLER, TS, POST-MTD, TEMP.....	2,894.29	180.91
34 41 16 00-0013	EA CONTROLLER, PEDESTRIAN CROSSING, ADD-IN.....	488.88	64.89
34 41 16 00-0014	EA CONCRETE BLOCK PEDESTAL.....	395.52	97.42
34 41 16 00-0015	WK MAINTAIN EXIST TS INSTALLATION.....	141.86	70.93
34 41 16 00-0016	EA INST SIGN BOARDS, ST. NAME.....	282.23	128.49
34 41 16 00-0017	EA F.O. ADD-IN FOR LOCAL CONTROLLER.....	7,937.27	159.73
34 41 16 00-0018	EA F.O. ADD-IN FOR MASTER CONTROLLER.....	19,416.56	239.66
34 41 16 00-0019	EA F.O. STAR MODEM.....	6,110.16	239.66

34 70 Transportation Construction And Equipment (34)

34 71 Roadway Construction (34 70)

34 71 13 Vehicle Barriers (34 71)

34 71 13 13 Vehicle Median Barriers (34 71 13)

34 71 13 13-0001	Concrete Median Barrier (34 71 13 13)		
34 71 13 13-0002	LF Median Barrier, Precast, 42" High Single Face.....	35.81	1.49
34 71 13 13-0003	LF Median Barrier, Precast, 32" High, 2' Wide Base, Double Face.....	38.26	1.49
34 71 13 13-0004	LF Median Barrier, Precast, 42" High, 2' Wide Base, Double Face.....	41.36	1.49
34 71 13 13-0005	LF Median Barrier, Cast In Place With Steel Forms.....	21.59	2.11
34 71 13 13-0006	LF Median Barrier, Slipformed Concrete.....	19.54	1.30

34 71 13 16 Vehicle Crash Barriers (34 71 13)

34 71 13 16-0001	Impact Barrier, Non-Redirective (34 71 13 16)		
34 71 13 16-0002	Sand Barrel Impact Attenuator (34 71 13 16-0001)		
	Note: Includes containers, inserts, and lid. Excludes sand.		
34 71 13 16-0003	EA 200, 400 Or 700 LB Sand Barrel.....	324.80	15.02
	Note: Includes containers, inserts, and lid.		
34 71 13 16-0004	EA 1400 LB Sand Barrel.....	295.83	17.64
	Note: Includes containers, inserts, and lid.		
34 71 13 16-0005	EA 2100 LB Sand Barrel.....	316.87	20.25
	Note: Includes containers, inserts, and lid.		
34 71 13 16-0006	Repair Of Sand Barrel Impact Attenuator (34 71 13 16-0001)		
	Note: By Traffix Devices, Inc.		
34 71 13 16-0007	EA Replace Sand Container For 200, 400, Or 700 LB Sand Barrel.....	166.78	
	Note: For Traffix Devices, Inc.		
34 71 13 16-0008	EA Replace Pedestal Unit For 200, 400, Or 700 LB Sand Barrel.....	166.78	
	Note: For Traffix Devices, Inc.		
34 71 13 16-0009	EA Replace 1400 LB Sand Barrel, Excludes Lid, For Traffix Devices.....	265.13	
34 71 13 16-0010	EA Replace 2100 LB Sand Barrel, Excludes Lid, For Traffix Devices.....	286.18	
34 71 13 16-0011	EA Replace Lid For Sand Barrel for Traffix Devices, Inc.....	68.08	

34 Transportation**34 70 Transportation Construction And Equipment****34 71 Roadway Construction**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

34 71 13 16-0012		Repair Of Sand Barrel Impact Attenuator (34 71 13 16-0001)		
		Note: By Fitch Universal Module System.		
34 71 13 16-0013	EA	Replace Barrel Wall Section for Fitch Universal Module System.....	263.56	
34 71 13 16-0014	EA	Replace Unicore Insert for Fitch Universal Module System.....	165.21	
34 71 13 16-0015	EA	Replace Lid for Fitch Universal Module System	69.65	
34 71 13 16-0016	EA	Replace Zip Strip for Fitch Universal Module System.....	34.84	
34 71 13 16-0017		Repair Of Sand Barrel Impact Attenuator (34 71 13 16-0001)		
		Note: By Energitc III.		
34 71 13 16-0018	EA	Replace Sand Container For 200, 400, 700 Or 1400 LB Sand Barrel For Energitc III Systems.....	258.86	
34 71 13 16-0019	EA	Replace Sand Container For 2100 LB Sand Barrel For Energitc III Systems.....	276.77	
34 71 13 16-0020	EA	Replace Cone For 200, Or 400 LB Sand Barrel For Energitc III Systems	83.76	
34 71 13 16-0021	EA	Replace Cone For 700, 1400 Or 2100 LB Sand Barrel For Energitc III Systems	222.33	
34 71 13 16-0022	EA	Replace Lid for Energitc III Systems.....	68.08	
34 71 13 16-0023		Sand For Sand Barrel Impact Attenuator (34 71 13 16-0001)		
34 71 13 16-0024	LB	Sand for Sand Barrels.....	0.04	
34 71 13 26		Vehicle Guide Rails (34 71 13)		
34 71 13 26-0001		Mobilize Guide Rail Crew (34 71 13 26)		
34 71 13 26-0002	EA	Mobilize Guide Rail Crew.....	401.18	
		Note: Excludes equipment mobilization.		
34 71 13 26-0003		Corrugated Beam Guide Rail (34 71 13 26)		
34 71 13 26-0004		Corrugated Beam Guide Railing (34 71 13 26-0003)		
34 71 13 26-0005		Corrugated Beam Guide Railing, Straight Sections (34 71 13 26-0004)		
		Note: Add additional length for back-up sections.		
34 71 13 26-0006	LF	Corrugated Beam Guide Railing	5.40	0.71
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic).....	5.82	0.71
34 71 13 26-0008		Corrugated Beam Guide Railing, Shop Curved (34 71 13 26-0004)		
		Note: Add additional length for back-up sections.		
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	7.04	0.71
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic).....	7.62	0.71
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End.....	17.98	0.71
		Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End.....	19.62	0.71
		Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		
34 71 13 26-0013		Corrugated Beam Guide Railing, Manufactured End Sections (34 71 13 26-0003)		
34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit.....	41.11	9.45
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit.....	43.34	9.45
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	54.50	9.45
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	56.74	9.45
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	54.50	9.45
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	56.74	9.45
34 71 13 26-0020		Corrugated Beam Guide Rail Posts (34 71 13 26-0003)		
		Note: Includes mounting hardware.		
34 71 13 26-0021	EA	Standard Post For Corrugated Beam Guide Rail.....	44.05	6.24
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	1.67	
34 71 13 26-0022	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail.....	46.28	6.24
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	1.67	
34 71 13 26-0023	EA	Extra Long Post for Corrugated Beam Guide Rail	48.51	6.24
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	1.67	
34 71 13 26-0024	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	50.75	6.24
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	1.67	
34 71 13 26-0025	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	44.05	6.24
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	1.67	
34 71 13 26-0026	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	61.91	6.24
		For Installation In Rock, Add	1.67	
34 71 13 26-0027		Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0003)		
		Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0028	EA	Standard Post For heavy post blocked out corrugated beam guide rail.....	44.05	6.24
34 71 13 26-0029	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	46.28	6.24
34 71 13 26-0030	EA	Extra Long Post For heavy post blocked out corrugated beam guide rail.....	48.51	6.24
34 71 13 26-0031	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	50.75	6.24
		Note: For heavy post blocked out corrugated beam guide (rustic)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0032 EA Type A Post 1630mm Post Note: For heavy post blocked out corrugated beam guide rail	42.93	6.24
34 71 13 26-0033 EA Type A Post 1630mm Post (Rustic) Note: For heavy post blocked out corrugated beam guide rail	45.17	6.24
34 71 13 26-0034 EA Type B Post 1460mm Note: For heavy post blocked out corrugated beam guide rail	40.70	6.24
34 71 13 26-0035 EA Type B Post 1460mm (Rustic) Note: For heavy post blocked out corrugated beam guide rail	42.93	6.24
34 71 13 26-0036 EA Type C Post 1290mm Note: For heavy post blocked out corrugated beam guide rail	38.47	6.24
34 71 13 26-0037 EA Type C Post 1290mm (Rustic) Note: For heavy post blocked out corrugated beam guide rail	40.70	6.24
34 71 13 26-0038 EA Breakaway Wood Or Steel Post In Steel Foundation Tube	156.03	6.24
34 71 13 26-0039 EA Wood, Metal, Plastic Or Composite Offset Block Or Beam Note: For heavy post blocked out corrugated beam guide rail.	19.49	6.24
34 71 13 26-0040 Corrugated Beam Guide Rail Accessories (34 71 13 26-0003)		
34 71 13 26-0041 EA Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	36.64	10.74
34 71 13 26-0042 Corrugated Beam Guide Rail Repair for Existing Guide Rail (34 71 13 26-0003)		
Note: Includes associated hardware.		
34 71 13 26-0043 LF Removal And Storage Of Corrugated Beam Guide Railing And Post.....	4.20	
34 71 13 26-0044 EA Install Stored Post For Corrugated Beam Guide Rail	14.32	
34 71 13 26-0045 LF Install Stored Corrugated Beam Guide Railing And Post.....	2.44	
34 71 13 26-0046 Corrugated Thrie Beam Guide Railing (34 71 13 26-0003)		
34 71 13 26-0047 Corrugated Thrie Beam Guide Railing, Straight Sections (34 71 13 26-0046)		
Note: Add additional length for back-up sections.		
34 71 13 26-0048 LF Corrugated Thrie Beam Guide Railing.....	12.60	0.90
34 71 13 26-0049 LF Corrugated Thrie Beam Guide Railing (Rustic).....	13.28	0.90
34 71 13 26-0050 Corrugated Thrie Beam Guide Railing, Shop Curved (34 71 13 26-0046)		
Note: Add additional length for back-up sections.		
34 71 13 26-0051 LF Shop Curved Corrugated Thrie Beam Guide Railing.....	15.32	0.90
34 71 13 26-0052 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	16.00	0.90
34 71 13 26-0053 Corrugated Thrie Beam Guide Rail Posts (34 71 13 26-0046)		
Note: Includes hardware for mounting.		
34 71 13 26-0054 EA Standard Post For Corrugated Thrie Beam Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i> <i>For 32" Soil Plate, Add</i>	50.32 -5.00 7.00	0.90
34 71 13 26-0055 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail <i>For Installation Without Soil Plate, Deduct</i> <i>For 32" Soil Plate, Add</i>	52.55 -5.00 7.00	0.90
34 71 13 26-0056 Timber Guide Rails (34 71 13 26)		
Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0057 Timber Guide Rail Posts (34 71 13 26-0056)		
34 71 13 26-0058 EA 6" x 8" Timber Guide Rail Post	57.08	3.58
34 71 13 26-0059 EA 6" x 9" Timber Guide Rail Post	66.11	3.58
34 71 13 26-0060 EA 10" x 10" Timber Guide Rail Post	136.89	3.58
34 71 13 26-0061 EA 10" x 12" Timber Guide Rail Post	145.33	3.58
34 71 13 26-0062 EA 12" x 12" Timber Guide Rail Post	169.39	3.58
34 71 13 26-0063 Timber Guide Rails (34 71 13 26-0056)		
Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0064 LF 4" x 9" Timber Guide Rail.....	7.12	0.43
34 71 13 26-0065 LF 6" x 10" Timber Guide Rail.....	10.37	0.43
34 71 13 26-0066 LF 6" x 12" Timber Guide Rail.....	12.27	0.43
34 71 13 26-0067 Spacer Blocks For Timber Guide Rails (34 71 13 26-0056)		
34 71 13 26-0068 EA 4" x 9" Spacer Block For Timber Guide Rails	9.24	0.58
34 71 13 26-0069 EA 6" x 8" Spacer Block For Timber Guide Rails	10.80	0.58
34 71 13 26-0070 EA 8" x 8" Spacer Block For Timber Guide Rails	12.79	0.58
34 71 13 26-0071 Weathering Steel Backup Plates For Timber Guide Rails (34 71 13 26-0056)		
34 71 13 26-0072 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	13.73	0.36
34 71 13 26-0073 Weathering Steel Splice And Bearing Plates For Timber Guide Rails (34 71 13 26-0056)		
34 71 13 26-0074 EA Weathering Steel Splice Plate For Timber Guide Rails	90.49	5.02
34 71 13 26-0075 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails.....	55.87	3.58

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MINOR
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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

34 71 13 26-0076		Cable Guide Rail (34 71 13 26)		
34 71 13 26-0077		Cable Guide Rail (34 71 13 26-0076)		
34 71 13 26-0078	LF	Cable (Each Cable).....	2.93	0.78
		Note: Includes tensioning. Excludes splices.		
34 71 13 26-0079	EA	Cable Splice With Wedges	74.14	5.37
34 71 13 26-0080		Cable Guide Rail Posts (34 71 13 26-0076)		
		Note: Includes hardware for cable mounting.		
34 71 13 26-0081	EA	Standard Post for Cable Guide Rail	61.24	20.81
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	5.55	
34 71 13 26-0082	EA	Standard Post (Rustic) for Cable Guide Rail	63.47	20.81
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	5.55	
34 71 13 26-0083	EA	Extra Long Post for Cable Guide Rail	63.47	20.81
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	5.55	
34 71 13 26-0084	EA	Extra Long Post (Rustic) for Cable Guide Rail	65.70	20.81
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	5.55	
34 71 13 26-0085	EA	Slip Impact Post Top for Anchor Unit	37.89	8.33
34 71 13 26-0086	EA	Slip Impact Post Base and Keeper Plate	93.70	8.33
		Note: For anchor unit.		
34 71 13 26-0087		Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0076)		
34 71 13 26-0088	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	171.61	71.79
34 71 13 26-0089	EA	Turnbuckle Cable End Assembly	49.43	3.59
34 71 13 26-0090	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	158.66	1.78
34 71 13 26-0091	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	163.12	1.78
34 71 13 26-0092	EA	Breakaway Anchor Angle	62.82	3.59
34 71 13 26-0093	EA	Standard End Post Cap Assembly	29.17	1.78
34 71 13 26-0094	EA	Driveway End Post Cap Assembly	24.70	1.78
34 71 13 26-0095	EA	End Post Ground Support Plates	13.54	1.78
34 71 13 26-0096	EA	11" Stud Bolt, Cable Guide Rail	11.87	1.78
34 71 13 26-0097	EA	18" Stud Bolt, Cable Guide Rail	14.10	1.78
34 71 13 26-0098	EA	25" Stud Bolt, Cable Guide Rail	16.33	1.78
34 71 13 26-0099	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	138.73	3.59
34 71 13 26-0100	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	147.66	3.59
34 71 13 26-0101	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	98.54	3.59
34 71 13 26-0102	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	60.42	1.78
34 71 13 26-0103	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	62.82	3.59
34 71 13 26-0104	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	67.44	5.37
34 71 13 26-0105		Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0076)		
34 71 13 26-0106	EA	Turnbuckle Cable End Assembly	114.19	6.95
		Note: For use with slip impact post.		
34 71 13 26-0107	EA	Spring Cable End Assembly (Compensating Device)	221.35	6.95
		Note: For use with slip impact post.		
34 71 13 26-0108	EA	Anchor Angle For Slip Impact Post System	67.30	6.95
34 71 13 26-0109	EA	Cable End Assembly Rod	56.14	6.95
		Note: Includes cable end, threaded rod and keeper to anchor angle.		
34 71 13 26-0110		Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0076)		
		Note: All tasks include associated hardware.		
34 71 13 26-0111	LF	Retention Existing Cable (Each Cable)	0.48	
34 71 13 26-0112	LF	Removal And Storage Of Cable Guide Railing	2.88	
34 71 13 26-0113	EA	Install Stored Post For Cable Guide Railing	27.75	
34 71 13 26-0114	LF	Install Stored Cable, (Each Cable)	1.28	
		Note: Includes retensioning. Excludes splices.		
34 71 13 26-0115		6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0116		Box Beam Guide Rail, 6" x 6" (34 71 13 26-0115)		
34 71 13 26-0117		Straight Sections, Box Beam Guide Rail (34 71 13 26-0116)		
34 71 13 26-0118	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized	15.15	0.90
		Note: Excludes splices.		
		For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0119	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	17.19	0.90
		Note: Excludes splices.		
		For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0120		Shop Curved, Box Beam Guide Rail (34 71 13 26-0116)		
34 71 13 26-0121	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized	22.97	0.90
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	2.44	
		For Flush Mounting Directly To Structure, Add	1.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0122 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices. For Shop Curved At <20' Radius, Add For Flush Mounting Directly To Structure, Add	25.02 2.44 1.83	0.90
34 71 13 26-0123 Box Beam Guide Rail End Treatment Sections (34 71 13 26-0115) Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0124 EA Box Beam End Piece Guide Railing Section..... Note: Galvanized excludes splices.	237.57	10.74
34 71 13 26-0125 EA Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	262.13	10.74
34 71 13 26-0126 EA Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	224.18	10.74
34 71 13 26-0127 EA Box Beam Guide Railing End Treatment Section At Driveway, (Rustic)..... Note: Excludes splices.	233.10	10.74
34 71 13 26-0128 Splices For Box Beam Guide Rail (34 71 13 26-0115)		
34 71 13 26-0129 EA Splice For Box Beam Guide Rail 34 71 13 26-0130 EA Splice For Box Beam Guide Rail (Rustic)	65.40 81.03	15.95 15.95
34 71 13 26-0131 Box Beam Guide Rail Posts (34 71 13 26-0115) Note: Includes hardware for box beam mounting.		
34 71 13 26-0132 EA Standard Post For Box Beam Guide Rail For Installation Without Soil Plate, Deduct For Installation In Rock, Add	63.47 -5.00 5.55	20.81
34 71 13 26-0133 EA Standard Post (Rustic) for Box Beam Guide Railing..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	65.70 -5.00 5.55	20.81
34 71 13 26-0134 EA Extra Long Post For Box Beam Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	67.93 -5.00 5.55	20.81
34 71 13 26-0135 EA Extra Long Post (Rustic) For Box Beam Guide Rail For Installation Without Soil Plate, Deduct For Installation In Rock, Add	70.17 -5.00 5.55	20.81
34 71 13 26-0136 EA Type I End Assembly Post..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	61.24 -5.00 5.55	20.81
34 71 13 26-0137 EA Type I End Assembly Post (Rustic) For Installation Without Soil Plate, Deduct For Installation In Rock, Add	63.47 -5.00 5.55	20.81
34 71 13 26-0138 EA Type II End Assembly Post..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	59.01 -5.00 5.55	20.81
34 71 13 26-0139 EA Type II End Assembly Post (Rustic) For Installation Without Soil Plate, Deduct For Installation In Rock, Add	61.24 -5.00 5.55	20.81
34 71 13 26-0140 Box Beam Guide Rail Accessories (34 71 13 26-0115)		
34 71 13 26-0141 EA Box Beam Guide Rail End Cover Plate 34 71 13 26-0142 EA Box Beam Guide Rail End Cover Plate (Rustic)	31.08 33.31	3.22 3.22
34 71 13 26-0143 Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0115) Note: For existing guide rail.		
34 71 13 26-0144 LF Removal And Storage Of Box Beam Guide Rail And Post 34 71 13 26-0145 LF Reset Box Beam Guide Rail	1.41 4.14	
34 71 13 26-0146 6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0147 Box Beam Median Barrier, 6" x 8" (34 71 13 26-0146)		
34 71 13 26-0148 Straight Sections, Box Beam Median Barrier (34 71 13 26-0147)		
34 71 13 26-0149 LF Box Beam Median Barrier Galvanized Excludes Splices..... For Flush Mounting Directly To Structure, Add	25.72 1.83	3.22
34 71 13 26-0150 LF Box Beam Median Barrier (Rustic) Excludes Splices For Flush Mounting Directly To Structure, Add	27.77 1.83	3.22
34 71 13 26-0151 Shop Curved, Box Beam Median Barrier (34 71 13 26-0147)		
34 71 13 26-0152 LF Shop Curved Box Beam Median Barrier Galvanized Note: Excludes splices. For Shop Curved At <20' Radius, Add For Flush Mounting Directly To Structure, Add	31.09 2.44 1.83	3.22
34 71 13 26-0153 LF Shop Curved Box Beam Median Barrier Rustic Note: Excludes splices. For Shop Curved At <20' Radius, Add For Flush Mounting Directly To Structure, Add	37.79 2.44 1.83	3.22
34 71 13 26-0154 Box Beam Median Barrier End Treatment Sections (34 71 13 26-0146) Note: Includes rail, end cover plate and hardware. Excludes posts.		

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34 71	13 26-0155	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized Note: Excludes splices and post.	771.14	10.74
34 71	13 26-0156	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic) Note: Excludes splices and post.	789.00	10.74
34 71	13 26-0157	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized Note: Excludes splices and post.	771.14	10.74
34 71	13 26-0158	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic) Note: Excludes splices and post.	789.00	10.74
34 71	13 26-0159		Splices For Box Beam Median Barrier (34 71 13 26-0146)		
34 71	13 26-0160	EA	Splice for Box Beam Median Barrier	60.59	8.60
34 71	13 26-0161	EA	Splice for Box Beam Median Barrier (Rustic)	94.07	8.60
34 71	13 26-0162		Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0146) Note: Includes all associated hardware.		
34 71	13 26-0163	EA	Standard Post for Box Beam Median Barrier For Installation Without Soil Plate, Deduct For Installation In Rock, Add	63.47 -5.00 5.55	20.81
34 71	13 26-0164	EA	Standard Post (Rustic) for Box Beam Median Barrier For Installation Without Soil Plate, Deduct For Installation In Rock, Add	65.70 -5.00 5.55	20.81
34 71	13 26-0165	EA	Extra Long Post for Box Beam Median Barrier For Installation Without Soil Plate, Deduct For Installation In Rock, Add	67.93 -5.00 5.55	20.81
34 71	13 26-0166	EA	Extra Long Post (Rustic) for Box Beam Median Barrier For Installation Without Soil Plate, Deduct For Installation In Rock, Add	70.17 -5.00 5.55	20.81
34 71	13 26-0167	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam Note: For median barrier. For Installation Without Soil Plate, Deduct For Installation In Rock, Add	59.01 -5.00 5.55	20.81
34 71	13 26-0168	EA	Type B End Treatment or Rub Back Anchor Post (Rustic) Note: For box beam median barrier. For Installation Without Soil Plate, Deduct For Installation In Rock, Add	59.01 -5.00 5.55	20.81
34 71	13 26-0169	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition. For Installation Without Soil Plate, Deduct For Installation In Rock, Add	67.93 -5.00 5.55	20.81
34 71	13 26-0170	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition. For Installation Without Soil Plate, Deduct For Installation In Rock, Add	70.17 -5.00 5.55	20.81
34 71	13 26-0171		Box Beam Median Barrier Accessories (34 71 13 26-0146)		
34 71	13 26-0172	EA	Box Beam Median Barrier End Cover Plate	39.38	7.56
34 71	13 26-0173	EA	Box Beam Median Barrier End Cover Plate (Rustic)	41.61	7.56
34 71	13 26-0174		Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0146) Note: For existing guide rail.		
34 71	13 26-0175	LF	Remove and Store Box Beam Median Barrier and Posts	1.47	
34 71	13 26-0176	LF	Reset Box Beam Median Barrier	4.33	
34 71	13 26-0177		Universal Guide Rail Items (34 71 13 26)		
34 71	13 26-0178		Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0177) Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71	13 26-0179	CY	Guide Rail Concrete Anchor Unit For Each Additional Set Of Anchor Rods, Add	300.19 38.00	
34 71	13 26-0180	EA	Reset Existing Anchorage Unit for All Types of Guide Rail Note: Includes excavation and backfill.	164.33	
34 71	13 26-0181	EA	Removal Of Guide Rail Concrete Anchor Unit	248.88	
34 71	13 26-0182		Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0177) Note: All tasks include associated hardware.		
34 71	13 26-0183	EA	Straighten And Reset Driven Post For Guide Rail	27.75	
34 71	13 26-0184	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail Note: With base plate for guide rail. Includes new anchor bolts.	30.96	
34 71	13 26-0185		Additional Wood and Steel Posts (34 71 13 26-0177)		
34 71	13 26-0186	LF	4" x 6" Wood Post For Installation In Rock, Add	19.86 1.85	6.95
34 71	13 26-0187	LF	6" x 8" Wood Post For Installation In Rock, Add	23.21 1.85	6.95
34 71	13 26-0188	LF	6" x 7/8" Steel Post Galvanized For Installation In Rock, Add	15.58 1.85	6.95
34 71	13 26-0189	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete	131.75	6.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0190 Accessories For All Types of Guide Rail <small>(34 71 13 26-0177)</small>		
34 71 13 26-0191 EA Reflector, Guard Rail	14.60	
34 71 13 26-0192 Individual Concrete Posts <small>(34 71 13 26)</small>		
34 71 13 26-0193 EA 6'-5" Concrete Posts, Round.....	43.70	2.09
34 71 13 26-0194 EA 6'-5" Concrete Posts, Square.....	48.73	2.35
34 71 13 26-0195 EA 6'-5" Concrete Posts, Triangular.....	47.20	2.35
34 71 13 26-0196 Guide Rail Transitions <small>(34 71 13 26)</small>		
34 71 13 26-0197 Transition Box Beam Guide Rail To Corrugated Beam <small>(34 71 13 26-0196)</small>		
34 71 13 26-0198 EA Box Beam To Corrugated Beam Rail Bolted Section.....	229.66	
34 71 13 26-0199 EA Box Beam To Corrugated Beam Rail Bolted Plate	140.36	
Note: For making cable connections.		
34 71 13 26-0200 Transition Box Beam Median Barrier To Corrugated Beam Median <small>(34 71 13 26-0196)</small>		
34 71 13 26-0201 EA Box Beam Median Barrier To Corrugated Beam Bolted Section	234.13	
34 71 13 26-0202 EA Box Beam Median Barrier To Corrugated Beam Harness Plate.....	140.36	
Note: For making cable connections.		
34 71 13 26-0203 Transition Box Beam Guide Rail To Cable Guide Rail <small>(34 71 13 26-0196)</small>		
34 71 13 26-0204 EA Box Beam to Cable Guide Rail U-bolt And Plate	31.89	5.73
34 71 13 26-0205 Transition Box Beam Median Barrier To Concrete Median Barrier <small>(34 71 13 26-0196)</small>		
34 71 13 26-0206 EA Box Beam Median Barrier To Concrete Barrier End Connection.....	318.96	
34 71 13 26-0207 Transition Thrie Beam To Concrete Median Barrier <small>(34 71 13 26-0196)</small>		
34 71 13 26-0208 EA Thrie Beam Terminal Connector At Concrete Median Barrier.....	207.33	
34 71 13 26-0209 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	263.15	
34 71 16 Impact Attenuating Devices <small>(34 71)</small>		
34 71 16 00-0001 Guard Rail Energy Absorbing Terminals <small>(34 71 16)</small>		
Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002 24" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0003 EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	12,351.57	1,268.88
34 71 16 00-0004 EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	17,146.36	1,691.84
34 71 16 00-0005 EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	23,391.17	2,220.54
34 71 16 00-0006 EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	26,030.18	2,749.23
34 71 16 00-0007 30" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	13,306.89	1,427.49
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	18,527.36	1,903.32
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	25,419.73	2,537.76
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	29,129.13	3,066.45
34 71 16 00-0012 36" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0013 EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	14,273.02	1,586.10
34 71 16 00-0014 EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	19,918.90	2,114.79
34 71 16 00-0015 EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	27,226.59	2,802.11
34 71 16 00-0016 EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	32,216.92	3,383.67
34 71 16 00-0017 69" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0018 EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	15,458.71	1,744.71
34 71 16 00-0019 EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	21,396.02	2,326.28
34 71 16 00-0020 EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	29,375.23	3,066.45
34 71 16 00-0021 EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	34,598.04	3,700.89
34 71 16 00-0022 90" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0023 EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	16,676.26	1,903.32
34 71 16 00-0024 EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	22,910.58	2,537.76
34 71 16 00-0025 EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	31,810.32	3,383.67
34 71 16 00-0026 EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	37,044.95	4,018.11
34 71 19 Vehicle Delineators <small>(34 71)</small>		
34 71 19 16 Flexible Vehicle Delineators <small>(34 71 19)</small>		
34 71 19 16-0001 EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	42.82	2.61

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

END OF SECTION 34



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

35 Waterway and Marine Construction

35 20 Waterway and Marine Construction and Equipment ⁽³⁵⁾

35 22 Hydraulic Gates ^(35 20)

35 22 26 Sluice Gates ^(35 22)

35 22 26 00-0001 Heavy Duty Cast Iron Sluice Gates Self Contained ^(35 22 26)

Note: Includes crank operated geared gate lift, anchor bolts, and grouting.

35 22 26 00-0002	EA 18" x 18" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	7,918.20	575.00
	For Electric Motor Operated Valve, Add	965.00	
35 22 26 00-0003	EA 24" x 24" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	11,278.95	862.52
	For Electric Motor Operated Valve, Add	1,022.50	
35 22 26 00-0004	EA 30" x 30" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	13,689.76	958.38
	For Electric Motor Operated Valve, Add	1,041.67	
35 22 26 00-0005	EA 36" x 36" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	15,759.42	1,078.15
	For Electric Motor Operated Valve, Add	1,065.63	
35 22 26 00-0006	EA 42" x 42" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	17,650.97	1,232.17
	For Electric Motor Operated Valve, Add	1,096.43	
35 22 26 00-0007	EA 48" x 48" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	20,440.06	1,725.03
	For Electric Motor Operated Valve, Add	1,195.01	
35 22 26 00-0008	EA 54" x 54" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	32,972.76	2,610.53
	For Electric Motor Operated Valve, Add	1,372.11	
35 22 26 00-0009	EA 60" x 60" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	39,588.43	4,312.59
	For Electric Motor Operated Valve, Add	1,712.52	
35 22 26 00-0010	EA 66" x 66" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	46,278.67	4,312.59
	For Electric Motor Operated Valve, Add	1,712.52	
35 22 26 00-0011	EA 72" x 72" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	49,560.06	5,734.82
	For Electric Motor Operated Valve, Add	1,996.97	
35 22 26 00-0012	EA 78" x 78" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	56,358.84	5,734.82
	For Electric Motor Operated Valve, Add	2,396.97	
35 22 26 00-0013	EA 84" x 84" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	69,934.62	8,625.18
	For Electric Motor Operated Valve, Add	2,975.04	
35 22 26 00-0014	EA 90" x 90" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	74,623.65	5,104.60
	For Electric Motor Operated Valve, Add	2,270.92	
35 22 26 00-0015	EA 96" x 96" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	84,664.58	5,104.60
	For Electric Motor Operated Valve, Add	2,270.92	
35 22 26 00-0016	EA 108" x 108" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	107,239.44	6,788.02
	For Electric Motor Operated Valve, Add	2,607.60	
35 22 26 00-0017	EA 120" x 120" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	136,267.55	10,209.19
	For Electric Motor Operated Valve, Add	3,291.84	
35 22 26 00-0018	EA 132" x 132" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate	165,132.44	10,209.19
	For Electric Motor Operated Valve, Add	3,291.84	

35 22 73 Other Hydraulic Gates ^(35 22)

35 22 73 00-0001 Steel Slide Gates Self Contained ^(35 22 73)

Note: Includes anchors and bolts.

35 22 73 00-0002	EA 12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	2,693.54	215.63
	For Electric Motor Operated Valve, Add	893.13	
35 22 73 00-0003	EA 18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	3,658.42	246.43
	For Electric Motor Operated Valve, Add	899.29	
35 22 73 00-0004	EA 24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	4,163.73	287.53
	For Electric Motor Operated Valve, Add	907.50	
35 22 73 00-0005	EA 30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	5,035.54	345.01
	For Electric Motor Operated Valve, Add	919.00	
35 22 73 00-0006	EA 36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	6,461.26	431.26
	For Electric Motor Operated Valve, Add	936.25	
35 22 73 00-0007	EA 42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	7,456.74	575.00
	For Electric Motor Operated Valve, Add	965.00	
35 22 73 00-0008	EA 48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	10,098.72	862.52
	For Electric Motor Operated Valve, Add	1,022.50	
35 22 73 00-0009	EA 54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	15,717.76	1,078.15
	For Electric Motor Operated Valve, Add	1,065.63	
35 22 73 00-0010	EA 60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	19,969.59	1,725.03
	For Electric Motor Operated Valve, Add	1,195.01	
35 22 73 00-0011	EA 72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	24,316.27	2,875.08
	For Electric Motor Operated Valve, Add	1,425.01	
35 22 73 00-0012	SF Over 36 SF Steel Slide Gates Self Contained Including Anchor	674.85	79.48
	For Electric Motor Operated Valve, Add	1,565.90	

35 22 73 00-0013 Cast Iron Canal Gates ^(35 22 73)

35 22 73 00-0014	EA 12" Diameter Canal Gates	947.68	215.63
	For Electric Motor Operated Valve, Add	893.13	
35 22 73 00-0015	EA 18" Diameter Canal Gates	1,342.76	246.43
	For Electric Motor Operated Valve, Add	899.29	
35 22 73 00-0016	EA 20" Diameter Canal Gates	1,528.45	269.53
	For Electric Motor Operated Valve, Add	903.91	
35 22 73 00-0017	EA 24" Diameter Canal Gates	1,804.12	287.53
	For Electric Motor Operated Valve, Add	907.50	
35 22 73 00-0018	EA 30" Diameter Canal Gates	2,673.74	345.01
	For Electric Motor Operated Valve, Add	919.00	

35 Waterway and Marine Construction
35 20 Waterway and Marine Construction and Equipment
35 22 Hydraulic Gates



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 73 00-0019 EA 36" Diameter Canal Gates.....	3,297.87	431.26
For Electric Motor Operated Valve, Add	936.25	
35 22 73 00-0020 EA 42" Diameter Canal Gates.....	5,471.91	575.00
For Electric Motor Operated Valve, Add	965.00	
35 22 73 00-0021 EA 48" Diameter Canal Gates.....	7,205.53	862.52
For Electric Motor Operated Valve, Add	1,022.50	
35 22 73 00-0022 EA 54" Diameter Canal Gates.....	10,180.76	1,078.15
For Electric Motor Operated Valve, Add	1,065.63	
35 22 73 00-0023 EA 60" Diameter Canal Gates.....	13,229.59	1,725.03
For Electric Motor Operated Valve, Add	1,195.01	
35 22 73 00-0024 EA 66" Diameter Canal Gates.....	18,223.44	2,156.29
For Electric Motor Operated Valve, Add	1,281.26	
35 22 73 00-0025 EA 72" Diameter Canal Gates.....	22,298.31	2,875.08
For Electric Motor Operated Valve, Add	1,425.01	
35 22 73 00-0026 Aluminum Flap Gates (35 22 73)		
35 22 73 00-0027 EA 18" Diameter Aluminum Flap Gates.....	2,477.43	215.63
For Electric Motor Operated Valve, Add	893.13	
35 22 73 00-0028 EA 20" Diameter Aluminum Flap Gates.....	2,769.90	231.03
For Electric Motor Operated Valve, Add	896.20	
35 22 73 00-0029 EA 24" Diameter Aluminum Flap Gates.....	3,059.56	246.43
For Electric Motor Operated Valve, Add	899.29	
35 22 73 00-0030 EA 30" Diameter Aluminum Flap Gates.....	4,213.08	287.53
For Electric Motor Operated Valve, Add	907.50	
35 22 73 00-0031 EA 36" Diameter Aluminum Flap Gates.....	5,238.92	345.01
For Electric Motor Operated Valve, Add	919.00	
35 22 73 00-0032 EA 42" Diameter Aluminum Flap Gates.....	7,495.30	431.26
For Electric Motor Operated Valve, Add	936.25	
35 22 73 00-0033 EA 48" Diameter Aluminum Flap Gates.....	9,442.66	575.00
For Electric Motor Operated Valve, Add	965.00	
35 22 73 00-0034 EA 54" Diameter Aluminum Flap Gates.....	12,050.71	862.52
For Electric Motor Operated Valve, Add	1,022.50	
35 22 73 00-0035 EA 60" Diameter Aluminum Flap Gates.....	15,801.41	1,232.17
For Electric Motor Operated Valve, Add	1,096.43	
35 22 73 00-0036 EA 66" Diameter Aluminum Flap Gates.....	20,249.96	1,725.03
For Electric Motor Operated Valve, Add	1,195.01	
35 22 73 00-0037 EA 72" Diameter Aluminum Flap Gates.....	24,815.86	2,464.34
For Electric Motor Operated Valve, Add	1,342.87	
35 22 73 00-0038 Steel Knife Gates Including Handwheel Operator (35 22 73)		
Note: ANSI 150 PSI. for hub, flange, or spigot ends.		
35 22 73 00-0039 EA 6" Diameter Knife Gates Including Handwheel Operator For Hub.....	1,396.30	63.44
For Electric Motor Operated Valve, Add	862.69	
35 22 73 00-0040 EA 8" Diameter Knife Gates Including Handwheel Operator For Hub.....	1,901.83	73.99
For Electric Motor Operated Valve, Add	864.80	
35 22 73 00-0041 EA 10" Diameter Knife Gates Including Handwheel Operator For Hub.....	2,657.32	111.00
For Electric Motor Operated Valve, Add	872.20	
35 22 73 00-0042 EA 12" Diameter Knife Gates Including Handwheel Operator For Hub.....	3,299.23	148.03
For Electric Motor Operated Valve, Add	879.60	
35 22 73 00-0043 EA 14" Diameter Knife Gates Including Handwheel Operator For Hub.....	4,092.06	158.58
For Electric Motor Operated Valve, Add	881.72	
35 22 73 00-0044 EA 16" Diameter Knife Gates Including Handwheel Operator For Hub.....	5,372.54	170.77
For Electric Motor Operated Valve, Add	884.16	
35 22 73 00-0045 EA 18" Diameter Knife Gates Including Handwheel Operator For Hub.....	7,250.25	177.60
For Electric Motor Operated Valve, Add	885.52	
35 22 73 00-0046 EA 20" Diameter Knife Gates Including Handwheel Operator For Hub.....	9,109.32	201.85
For Electric Motor Operated Valve, Add	890.37	
35 22 73 00-0047 EA 24" Diameter Knife Gates Including Handwheel Operator For Hub.....	11,758.70	222.01
For Electric Motor Operated Valve, Add	894.40	
35 22 73 00-0048 EA 30" Diameter Knife Gates Including Handwheel Operator For Hub.....	21,637.95	296.00
For Electric Motor Operated Valve, Add	909.20	
35 22 73 00-0049 EA 36" Diameter Knife Gates Including Handwheel Operator For Hub.....	28,678.66	444.02
For Electric Motor Operated Valve, Add	938.80	
35 22 73 00-0050 Steel Hollow Jet Flow Gate Valve (35 22 73)		
35 22 73 00-0051 EA 6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	1,310.87	86.25
For Electric Motor Operated Valve, Add	867.25	
35 22 73 00-0052 EA 8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	2,074.91	100.73
For Electric Motor Operated Valve, Add	870.15	
35 22 73 00-0053 EA 10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	2,450.23	150.94
For Electric Motor Operated Valve, Add	880.19	
35 22 73 00-0054 EA 12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	3,111.71	201.15
For Electric Motor Operated Valve, Add	890.24	
35 22 73 00-0055 EA 14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	4,804.02	215.63
For Electric Motor Operated Valve, Add	893.13	
35 22 73 00-0056 EA 16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	5,832.80	232.27
For Electric Motor Operated Valve, Add	896.45	
35 22 73 00-0057 EA 18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	10,009.87	241.51
For Electric Motor Operated Valve, Add	898.30	
35 22 73 00-0058 EA 20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	12,629.72	274.46
For Electric Motor Operated Valve, Add	904.90	
35 22 73 00-0059 EA 24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub.....	18,292.31	301.88
For Electric Motor Operated Valve, Add	910.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 73 00-0060 EA 30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	22,362.37 930.52	402.61
35 22 73 00-0061 EA 36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	31,871.28 970.73	603.76
35 22 73 00-0062 EA 42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	37,956.44 1,397.89	739.30
35 22 73 00-0063 EA 48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	45,029.02 1,422.50	862.52
35 22 73 00-0064 EA 54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	59,380.88 1,465.63	1,078.15
35 22 73 00-0065 EA 60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	66,004.36 1,508.86	1,293.78
35 22 73 00-0066 EA 66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	84,041.92 1,607.59	1,786.64
35 22 73 00-0067 Steel Dish Head Valve <small>(35 22 73)</small>		
35 22 73 00-0068 EA 12" Diameter Dish Head Valve	1,516.19	215.63
35 22 73 00-0069 EA 18" Diameter Dish Head Valve	2,278.40	246.43
35 22 73 00-0070 EA 20" Diameter Dish Head Valve	2,643.90	269.53
35 22 73 00-0071 EA 24" Diameter Dish Head Valve	3,157.24	287.53
35 22 73 00-0072 EA 30" Diameter Dish Head Valve	4,857.60	345.01
35 22 73 00-0073 EA 36" Diameter Dish Head Valve	5,978.93	431.26
35 22 73 00-0074 EA 42" Diameter Dish Head Valve	10,229.84	575.00
35 22 73 00-0075 EA 48" Diameter Dish Head Valve	13,238.95	862.52
35 22 73 00-0076 EA 54" Diameter Dish Head Valve	19,014.81	1,078.15
35 22 73 00-0077 EA 60" Diameter Dish Head Valve	23,995.77	1,725.03
35 22 73 00-0078 EA 66" Diameter Dish Head Valve	33,537.77	2,156.29
35 22 73 00-0079 EA 72" Diameter Dish Head Valve	40,516.06	2,875.08

END OF SECTION 35

35 Waterway and Marine Construction

35 20 Waterway and Marine Construction and Equipment

35 22 Hydraulic Gates



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 19 Ductile Iron Process Pipe ^(40 05)

40 05 19 00-0001	Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19) Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04.		
40 05 19 00-0002	Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0001)		
40 05 19 00-0003	4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0002)		
40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	337.60 -22.88 15.60 34.68	85.53
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	362.11 -25.33 17.27 38.38	87.02
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	386.63 -27.78 18.94 42.10	88.52
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	411.16 -30.23 20.61 45.81	90.00
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	435.67 -32.67 22.28 49.51	91.50
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	460.20 -35.12 23.95 53.23	93.00
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	484.71 -37.57 25.62 56.93	94.49
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	509.23 -40.02 27.29 60.65	95.99
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	533.77 -42.47 28.95 64.36	97.48
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	558.28 -44.91 30.62 68.07	98.98
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	582.81 -47.36 32.29 71.78	100.47
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	607.32 -49.81 33.96 75.49	101.97
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	631.84 -52.26 35.63 79.20	103.47
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	656.37 -54.71 37.30 82.91	104.96
40 05 19 00-0018	EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	680.88 -57.15 38.97 86.62	106.46
40 05 19 00-0019	EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	705.42 -59.60 40.64 90.33	107.95
40 05 19 00-0020	EA 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	729.93 -62.05 42.31 94.04	109.45

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0021	EA		4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....754.46	754.46	110.94
			<i>For Class 52 Rating, Deduct</i>	-64.50	
			<i>For Class 54 Rating, Add</i>	43.98	
			<i>For Class 55 Rating, Add</i>	97.75	
40 05 19 00-0022	EA		4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....778.98	778.98	112.44
			<i>For Class 52 Rating, Deduct</i>	-66.95	
			<i>For Class 54 Rating, Add</i>	45.65	
			<i>For Class 55 Rating, Add</i>	101.46	
40 05 19 00-0023	EA		4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....803.49	803.49	113.94
			<i>For Class 52 Rating, Deduct</i>	-69.40	
			<i>For Class 54 Rating, Add</i>	47.32	
			<i>For Class 55 Rating, Add</i>	105.17	
40 05 19 00-0024	EA		4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....828.02	828.02	115.43
			<i>For Class 52 Rating, Deduct</i>	-71.84	
			<i>For Class 54 Rating, Add</i>	48.98	
			<i>For Class 55 Rating, Add</i>	108.88	
40 05 19 00-0025	EA		4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....852.53	852.53	116.92
			<i>For Class 52 Rating, Deduct</i>	-74.29	
			<i>For Class 54 Rating, Add</i>	50.65	
			<i>For Class 55 Rating, Add</i>	112.59	
40 05 19 00-0026	EA		4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....877.06	877.06	118.41
			<i>For Class 52 Rating, Deduct</i>	-76.74	
			<i>For Class 54 Rating, Add</i>	52.32	
			<i>For Class 55 Rating, Add</i>	116.30	
40 05 19 00-0027	EA		4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....901.59	901.59	119.91
			<i>For Class 52 Rating, Deduct</i>	-79.19	
			<i>For Class 54 Rating, Add</i>	53.99	
			<i>For Class 55 Rating, Add</i>	120.01	
40 05 19 00-0028	EA		4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....926.10	926.10	121.40
			<i>For Class 52 Rating, Deduct</i>	-81.64	
			<i>For Class 54 Rating, Add</i>	55.66	
			<i>For Class 55 Rating, Add</i>	123.72	
40 05 19 00-0029	EA		4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....950.63	950.63	122.90
			<i>For Class 52 Rating, Deduct</i>	-84.09	
			<i>For Class 54 Rating, Add</i>	57.33	
			<i>For Class 55 Rating, Add</i>	127.43	
40 05 19 00-0030	EA		4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....975.14	975.14	124.40
			<i>For Class 52 Rating, Deduct</i>	-86.53	
			<i>For Class 54 Rating, Add</i>	59.00	
			<i>For Class 55 Rating, Add</i>	131.14	
40 05 19 00-0031	EA		4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....999.67	999.67	125.89
			<i>For Class 52 Rating, Deduct</i>	-88.98	
			<i>For Class 54 Rating, Add</i>	60.67	
			<i>For Class 55 Rating, Add</i>	134.85	
40 05 19 00-0032	EA		4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....1,024.19	1,024.19	127.39
			<i>For Class 52 Rating, Deduct</i>	-91.43	
			<i>For Class 54 Rating, Add</i>	62.34	
			<i>For Class 55 Rating, Add</i>	138.56	
40 05 19 00-0033	EA		4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....1,048.70	1,048.70	128.88
			<i>For Class 52 Rating, Deduct</i>	-93.88	
			<i>For Class 54 Rating, Add</i>	64.01	
			<i>For Class 55 Rating, Add</i>	142.27	
40 05 19 00-0034	EA		4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....1,073.23	1,073.23	130.38
			<i>For Class 52 Rating, Deduct</i>	-96.33	
			<i>For Class 54 Rating, Add</i>	65.68	
			<i>For Class 55 Rating, Add</i>	145.98	
40 05 19 00-0035	EA		4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....1,097.75	1,097.75	131.87
			<i>For Class 52 Rating, Deduct</i>	-98.77	
			<i>For Class 54 Rating, Add</i>	67.35	
			<i>For Class 55 Rating, Add</i>	149.69	
40 05 19 00-0036	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....1,122.28	1,122.28	133.37
			<i>For Class 52 Rating, Deduct</i>	-101.22	
			<i>For Class 54 Rating, Add</i>	69.02	
			<i>For Class 55 Rating, Add</i>	153.40	
40 05 19 00-0037	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....1,146.80	1,146.80	134.87
			<i>For Class 52 Rating, Deduct</i>	-103.67	
			<i>For Class 54 Rating, Add</i>	70.68	
			<i>For Class 55 Rating, Add</i>	157.11	
40 05 19 00-0038	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....1,171.32	1,171.32	136.36
			<i>For Class 52 Rating, Deduct</i>	-106.12	
			<i>For Class 54 Rating, Add</i>	72.35	
			<i>For Class 55 Rating, Add</i>	160.82	
40 05 19 00-0039	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....1,195.84	1,195.84	137.86
			<i>For Class 52 Rating, Deduct</i>	-108.57	
			<i>For Class 54 Rating, Add</i>	74.02	
			<i>For Class 55 Rating, Add</i>	164.53	
40 05 19 00-0040	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....1,220.35	1,220.35	139.35
			<i>For Class 52 Rating, Deduct</i>	-111.01	
			<i>For Class 54 Rating, Add</i>	75.69	
			<i>For Class 55 Rating, Add</i>	168.24	
40 05 19 00-0041	EA		4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....1,244.88	1,244.88	140.85
			<i>For Class 52 Rating, Deduct</i>	-113.46	
			<i>For Class 54 Rating, Add</i>	77.36	
			<i>For Class 55 Rating, Add</i>	171.95	
40 05 19 00-0042	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....1,269.40	1,269.40	142.34
			<i>For Class 52 Rating, Deduct</i>	-115.91	
			<i>For Class 54 Rating, Add</i>	79.03	
			<i>For Class 55 Rating, Add</i>	175.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044 EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	427.61	107.65
For Class 52 Rating, Deduct	-29.10	
For Class 54 Rating, Add	19.84	
For Class 55 Rating, Add	44.09	
40 05 19 00-0045 EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	457.27	109.15
For Class 52 Rating, Deduct	-32.11	
For Class 54 Rating, Add	21.89	
For Class 55 Rating, Add	48.66	
40 05 19 00-0046 EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	486.93	110.64
For Class 52 Rating, Deduct	-35.12	
For Class 54 Rating, Add	23.95	
For Class 55 Rating, Add	53.23	
40 05 19 00-0047 EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	516.59	112.14
For Class 52 Rating, Deduct	-38.13	
For Class 54 Rating, Add	26.00	
For Class 55 Rating, Add	57.79	
40 05 19 00-0048 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	546.24	113.63
For Class 52 Rating, Deduct	-41.15	
For Class 54 Rating, Add	28.06	
For Class 55 Rating, Add	62.36	
40 05 19 00-0049 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	575.90	115.13
For Class 52 Rating, Deduct	-44.16	
For Class 54 Rating, Add	30.11	
For Class 55 Rating, Add	66.92	
40 05 19 00-0050 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	605.56	116.63
For Class 52 Rating, Deduct	-47.17	
For Class 54 Rating, Add	32.16	
For Class 55 Rating, Add	71.49	
40 05 19 00-0051 EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	635.21	118.12
For Class 52 Rating, Deduct	-50.19	
For Class 54 Rating, Add	34.22	
For Class 55 Rating, Add	76.06	
40 05 19 00-0052 EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	664.87	119.62
For Class 52 Rating, Deduct	-53.20	
For Class 54 Rating, Add	36.27	
For Class 55 Rating, Add	80.62	
40 05 19 00-0053 EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	694.52	121.11
For Class 52 Rating, Deduct	-56.21	
For Class 54 Rating, Add	38.33	
For Class 55 Rating, Add	85.19	
40 05 19 00-0054 EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	724.19	122.60
For Class 52 Rating, Deduct	-59.23	
For Class 54 Rating, Add	40.38	
For Class 55 Rating, Add	89.75	
40 05 19 00-0055 EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	753.85	124.09
For Class 52 Rating, Deduct	-62.24	
For Class 54 Rating, Add	42.44	
For Class 55 Rating, Add	94.32	
40 05 19 00-0056 EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	783.51	125.59
For Class 52 Rating, Deduct	-65.25	
For Class 54 Rating, Add	44.49	
For Class 55 Rating, Add	98.89	
40 05 19 00-0057 EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	813.16	127.09
For Class 52 Rating, Deduct	-68.27	
For Class 54 Rating, Add	46.55	
For Class 55 Rating, Add	103.45	
40 05 19 00-0058 EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	842.81	128.58
For Class 52 Rating, Deduct	-71.28	
For Class 54 Rating, Add	48.60	
For Class 55 Rating, Add	108.02	
40 05 19 00-0059 EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	872.47	130.08
For Class 52 Rating, Deduct	-74.29	
For Class 54 Rating, Add	50.65	
For Class 55 Rating, Add	112.59	
40 05 19 00-0060 EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	902.13	131.57
For Class 52 Rating, Deduct	-77.31	
For Class 54 Rating, Add	52.71	
For Class 55 Rating, Add	117.15	
40 05 19 00-0061 EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	931.79	133.07
For Class 52 Rating, Deduct	-80.32	
For Class 54 Rating, Add	54.76	
For Class 55 Rating, Add	121.72	
40 05 19 00-0062 EA 6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	961.45	134.56
For Class 52 Rating, Deduct	-83.33	
For Class 54 Rating, Add	56.82	
For Class 55 Rating, Add	126.29	
40 05 19 00-0063 EA 6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	991.10	136.06
For Class 52 Rating, Deduct	-86.34	
For Class 54 Rating, Add	58.87	
For Class 55 Rating, Add	130.85	
40 05 19 00-0064 EA 6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,020.76	137.56
For Class 52 Rating, Deduct	-89.36	
For Class 54 Rating, Add	60.93	
For Class 55 Rating, Add	135.42	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0065 EA 6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,050.42	139.05
For Class 52 Rating, Deduct	-92.37	
For Class 54 Rating, Add	62.98	
For Class 55 Rating, Add	139.98	
40 05 19 00-0066 EA 6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,080.08	140.55
For Class 52 Rating, Deduct	-95.38	
For Class 54 Rating, Add	65.03	
For Class 55 Rating, Add	144.55	
40 05 19 00-0067 EA 6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,109.73	142.04
For Class 52 Rating, Deduct	-98.40	
For Class 54 Rating, Add	67.09	
For Class 55 Rating, Add	149.12	
40 05 19 00-0068 EA 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,139.38	143.54
For Class 52 Rating, Deduct	-101.41	
For Class 54 Rating, Add	69.14	
For Class 55 Rating, Add	153.68	
40 05 19 00-0069 EA 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,169.04	145.03
For Class 52 Rating, Deduct	-104.42	
For Class 54 Rating, Add	71.20	
For Class 55 Rating, Add	158.25	
40 05 19 00-0070 EA 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,198.71	146.53
For Class 52 Rating, Deduct	-107.44	
For Class 54 Rating, Add	73.25	
For Class 55 Rating, Add	162.82	
40 05 19 00-0071 EA 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,228.37	148.03
For Class 52 Rating, Deduct	-110.45	
For Class 54 Rating, Add	75.31	
For Class 55 Rating, Add	167.38	
40 05 19 00-0072 EA 6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,258.02	149.51
For Class 52 Rating, Deduct	-113.46	
For Class 54 Rating, Add	77.36	
For Class 55 Rating, Add	171.95	
40 05 19 00-0073 EA 6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,287.68	151.01
For Class 52 Rating, Deduct	-116.48	
For Class 54 Rating, Add	79.42	
For Class 55 Rating, Add	176.51	
40 05 19 00-0074 EA 6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,317.33	152.50
For Class 52 Rating, Deduct	-119.49	
For Class 54 Rating, Add	81.47	
For Class 55 Rating, Add	181.08	
40 05 19 00-0075 EA 6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,346.99	154.00
For Class 52 Rating, Deduct	-122.50	
For Class 54 Rating, Add	83.52	
For Class 55 Rating, Add	185.65	
40 05 19 00-0076 EA 6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,376.65	155.49
For Class 52 Rating, Deduct	-125.52	
For Class 54 Rating, Add	85.58	
For Class 55 Rating, Add	190.21	
40 05 19 00-0077 EA 6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,406.31	156.99
For Class 52 Rating, Deduct	-128.53	
For Class 54 Rating, Add	87.63	
For Class 55 Rating, Add	194.78	
40 05 19 00-0078 EA 6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,435.97	158.49
For Class 52 Rating, Deduct	-131.54	
For Class 54 Rating, Add	89.69	
For Class 55 Rating, Add	199.34	
40 05 19 00-0079 EA 6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,465.62	159.98
For Class 52 Rating, Deduct	-134.55	
For Class 54 Rating, Add	91.74	
For Class 55 Rating, Add	203.91	
40 05 19 00-0080 EA 6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,495.28	161.48
For Class 52 Rating, Deduct	-137.57	
For Class 54 Rating, Add	93.80	
For Class 55 Rating, Add	208.48	
40 05 19 00-0081 EA 6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,524.94	162.97
For Class 52 Rating, Deduct	-140.58	
For Class 54 Rating, Add	95.85	
For Class 55 Rating, Add	213.04	
40 05 19 00-0082 EA 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,554.59	164.47
For Class 52 Rating, Deduct	-143.59	
For Class 54 Rating, Add	97.91	
For Class 55 Rating, Add	217.61	
40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0084 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	597.90	137.56
For Class 52 Rating, Deduct	-42.84	
For Class 54 Rating, Add	29.21	
For Class 55 Rating, Add	64.93	
40 05 19 00-0085 EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	637.82	139.05
For Class 52 Rating, Deduct	-46.99	
For Class 54 Rating, Add	32.04	
For Class 55 Rating, Add	71.20	
40 05 19 00-0086 EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	677.76	140.55
For Class 52 Rating, Deduct	-51.13	
For Class 54 Rating, Add	34.86	
For Class 55 Rating, Add	77.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0087 EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	717.68	142.04
For Class 52 Rating, Deduct	-55.27	
For Class 54 Rating, Add	37.69	
For Class 55 Rating, Add	83.76	
40 05 19 00-0088 EA 8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	757.61	143.54
For Class 52 Rating, Deduct	-59.42	
For Class 54 Rating, Add	40.51	
For Class 55 Rating, Add	90.04	
40 05 19 00-0089 EA 8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	797.54	145.03
For Class 52 Rating, Deduct	-63.56	
For Class 54 Rating, Add	43.34	
For Class 55 Rating, Add	96.32	
40 05 19 00-0090 EA 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	837.47	146.53
For Class 52 Rating, Deduct	-67.70	
For Class 54 Rating, Add	46.16	
For Class 55 Rating, Add	102.60	
40 05 19 00-0091 EA 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	877.41	148.03
For Class 52 Rating, Deduct	-71.84	
For Class 54 Rating, Add	48.98	
For Class 55 Rating, Add	108.88	
40 05 19 00-0092 EA 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	917.33	149.51
For Class 52 Rating, Deduct	-75.99	
For Class 54 Rating, Add	51.81	
For Class 55 Rating, Add	115.15	
40 05 19 00-0093 EA 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	957.27	151.01
For Class 52 Rating, Deduct	-80.13	
For Class 54 Rating, Add	54.63	
For Class 55 Rating, Add	121.43	
40 05 19 00-0094 EA 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	997.19	152.50
For Class 52 Rating, Deduct	-84.27	
For Class 54 Rating, Add	57.46	
For Class 55 Rating, Add	127.71	
40 05 19 00-0095 EA 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,037.11	154.00
For Class 52 Rating, Deduct	-88.42	
For Class 54 Rating, Add	60.28	
For Class 55 Rating, Add	133.99	
40 05 19 00-0096 EA 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,077.05	155.49
For Class 52 Rating, Deduct	-92.56	
For Class 54 Rating, Add	63.11	
For Class 55 Rating, Add	140.27	
40 05 19 00-0097 EA 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,116.98	156.99
For Class 52 Rating, Deduct	-96.70	
For Class 54 Rating, Add	65.93	
For Class 55 Rating, Add	146.55	
40 05 19 00-0098 EA 8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,156.92	158.49
For Class 52 Rating, Deduct	-100.85	
For Class 54 Rating, Add	68.76	
For Class 55 Rating, Add	152.83	
40 05 19 00-0099 EA 8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,196.84	159.98
For Class 52 Rating, Deduct	-104.99	
For Class 54 Rating, Add	71.58	
For Class 55 Rating, Add	159.11	
40 05 19 00-0100 EA 8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,236.76	161.48
For Class 52 Rating, Deduct	-109.13	
For Class 54 Rating, Add	74.41	
For Class 55 Rating, Add	165.38	
40 05 19 00-0101 EA 8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,276.70	162.97
For Class 52 Rating, Deduct	-113.27	
For Class 54 Rating, Add	77.23	
For Class 55 Rating, Add	171.66	
40 05 19 00-0102 EA 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,316.62	164.47
For Class 52 Rating, Deduct	-117.42	
For Class 54 Rating, Add	80.06	
For Class 55 Rating, Add	177.94	
40 05 19 00-0103 EA 8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,356.56	165.96
For Class 52 Rating, Deduct	-121.56	
For Class 54 Rating, Add	82.88	
For Class 55 Rating, Add	184.22	
40 05 19 00-0104 EA 8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,396.48	167.46
For Class 52 Rating, Deduct	-125.70	
For Class 54 Rating, Add	85.71	
For Class 55 Rating, Add	190.50	
40 05 19 00-0105 EA 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,436.41	168.96
For Class 52 Rating, Deduct	-129.85	
For Class 54 Rating, Add	88.53	
For Class 55 Rating, Add	196.78	
40 05 19 00-0106 EA 8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,476.35	170.45
For Class 52 Rating, Deduct	-133.99	
For Class 54 Rating, Add	91.36	
For Class 55 Rating, Add	203.06	
40 05 19 00-0107 EA 8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,516.27	171.95
For Class 52 Rating, Deduct	-138.13	
For Class 54 Rating, Add	94.18	
For Class 55 Rating, Add	209.33	
40 05 19 00-0108 EA 8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,556.21	173.44
For Class 52 Rating, Deduct	-142.28	
For Class 54 Rating, Add	97.01	
For Class 55 Rating, Add	215.61	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0109 EA 8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,596.13	174.94
For Class 52 Rating, Deduct	-146.42	
For Class 54 Rating, Add	99.83	
For Class 55 Rating, Add	221.89	
40 05 19 00-0110 EA 8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,636.06	176.43
For Class 52 Rating, Deduct	-150.56	
For Class 54 Rating, Add	102.66	
For Class 55 Rating, Add	228.17	
40 05 19 00-0111 EA 8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,675.99	177.92
For Class 52 Rating, Deduct	-154.71	
For Class 54 Rating, Add	105.48	
For Class 55 Rating, Add	234.45	
40 05 19 00-0112 EA 8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,715.91	179.42
For Class 52 Rating, Deduct	-158.85	
For Class 54 Rating, Add	108.31	
For Class 55 Rating, Add	240.73	
40 05 19 00-0113 EA 8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,755.86	180.91
For Class 52 Rating, Deduct	-162.99	
For Class 54 Rating, Add	111.13	
For Class 55 Rating, Add	247.01	
40 05 19 00-0114 EA 8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,795.78	182.41
For Class 52 Rating, Deduct	-167.13	
For Class 54 Rating, Add	113.96	
For Class 55 Rating, Add	253.28	
40 05 19 00-0115 EA 8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,835.71	183.90
For Class 52 Rating, Deduct	-171.28	
For Class 54 Rating, Add	116.78	
For Class 55 Rating, Add	259.56	
40 05 19 00-0116 EA 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,875.64	185.40
For Class 52 Rating, Deduct	-175.42	
For Class 54 Rating, Add	119.60	
For Class 55 Rating, Add	265.84	
40 05 19 00-0117 EA 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,915.56	186.89
For Class 52 Rating, Deduct	-179.56	
For Class 54 Rating, Add	122.43	
For Class 55 Rating, Add	272.12	
40 05 19 00-0118 EA 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,955.50	188.39
For Class 52 Rating, Deduct	-183.71	
For Class 54 Rating, Add	125.25	
For Class 55 Rating, Add	278.40	
40 05 19 00-0119 EA 8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,995.42	189.89
For Class 52 Rating, Deduct	-187.85	
For Class 54 Rating, Add	128.08	
For Class 55 Rating, Add	284.68	
40 05 19 00-0120 EA 8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,035.35	191.38
For Class 52 Rating, Deduct	-191.99	
For Class 54 Rating, Add	130.90	
For Class 55 Rating, Add	290.95	
40 05 19 00-0121 EA 8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,075.29	192.88
For Class 52 Rating, Deduct	-196.14	
For Class 54 Rating, Add	133.73	
For Class 55 Rating, Add	297.23	
40 05 19 00-0122 EA 8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,115.21	194.37
For Class 52 Rating, Deduct	-200.28	
For Class 54 Rating, Add	136.55	
For Class 55 Rating, Add	303.51	
40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0124 EA 10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	753.62	167.46
For Class 52 Rating, Deduct	-54.99	
For Class 54 Rating, Add	37.49	
For Class 55 Rating, Add	83.33	
40 05 19 00-0125 EA 10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	805.54	168.96
For Class 52 Rating, Deduct	-60.45	
For Class 54 Rating, Add	41.22	
For Class 55 Rating, Add	91.61	
40 05 19 00-0126 EA 10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	857.46	170.45
For Class 52 Rating, Deduct	-65.91	
For Class 54 Rating, Add	44.94	
For Class 55 Rating, Add	99.89	
40 05 19 00-0127 EA 10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	909.37	171.95
For Class 52 Rating, Deduct	-71.37	
For Class 54 Rating, Add	48.66	
For Class 55 Rating, Add	108.16	
40 05 19 00-0128 EA 10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	961.29	173.44
For Class 52 Rating, Deduct	-76.84	
For Class 54 Rating, Add	52.39	
For Class 55 Rating, Add	116.44	
40 05 19 00-0129 EA 10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,013.19	174.94
For Class 52 Rating, Deduct	-82.30	
For Class 54 Rating, Add	56.11	
For Class 55 Rating, Add	124.71	
40 05 19 00-0130 EA 10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,065.11	176.43
For Class 52 Rating, Deduct	-87.76	
For Class 54 Rating, Add	59.83	
For Class 55 Rating, Add	132.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0131 EA 10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,117.02 -93.22 63.56 141.27	177.92
40 05 19 00-0132 EA 10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,168.93 -98.68 67.28 149.54	179.42
40 05 19 00-0133 EA 10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,220.86 -104.14 71.01 157.82	180.91
40 05 19 00-0134 EA 10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,272.76 -109.60 74.73 166.10	182.41
40 05 19 00-0135 EA 10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,324.68 -115.06 78.45 174.37	183.90
40 05 19 00-0136 EA 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,376.59 -120.52 82.18 182.65	185.40
40 05 19 00-0137 EA 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,428.50 -125.99 85.90 190.93	186.89
40 05 19 00-0138 EA 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,480.42 -131.45 89.62 199.20	188.39
40 05 19 00-0139 EA 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,532.32 -136.91 93.35 207.48	189.89
40 05 19 00-0140 EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,584.24 -142.37 97.07 215.75	191.38
40 05 19 00-0141 EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,636.16 -147.83 100.79 224.03	192.88
40 05 19 00-0142 EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,688.07 -153.29 104.52 232.31	194.37
40 05 19 00-0143 EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,739.99 -158.75 108.24 240.58	195.87
40 05 19 00-0144 EA 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,791.89 -164.21 111.96 248.86	197.36
40 05 19 00-0145 EA 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,843.81 -169.68 115.69 257.14	198.86
40 05 19 00-0146 EA 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,895.72 -175.14 119.41 265.41	200.36
40 05 19 00-0147 EA 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,947.64 -180.60 123.14 273.69	201.85
40 05 19 00-0148 EA 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,999.56 -186.06 126.86 281.97	203.35
40 05 19 00-0149 EA 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,051.46 -191.52 130.58 290.24	204.83
40 05 19 00-0150 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,103.38 -196.98 134.31 298.52	206.33
40 05 19 00-0151 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,155.29 -202.44 138.03 306.79	207.82
40 05 19 00-0152 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,207.21 -207.91 141.75 315.07	209.32

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0153	EA 10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,259.12	210.82
	<i>For Class 52 Rating, Deduct</i>	-213.37	
	<i>For Class 54 Rating, Add</i>	145.48	
	<i>For Class 55 Rating, Add</i>	323.35	
40 05 19 00-0154	EA 10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,311.02	212.31
	<i>For Class 52 Rating, Deduct</i>	-218.83	
	<i>For Class 54 Rating, Add</i>	149.20	
	<i>For Class 55 Rating, Add</i>	331.62	
40 05 19 00-0155	EA 10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,362.09	213.81
	<i>For Class 52 Rating, Deduct</i>	-224.20	
	<i>For Class 54 Rating, Add</i>	152.86	
	<i>For Class 55 Rating, Add</i>	339.76	
40 05 19 00-0156	EA 10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,414.86	215.30
	<i>For Class 52 Rating, Deduct</i>	-229.75	
	<i>For Class 54 Rating, Add</i>	156.65	
	<i>For Class 55 Rating, Add</i>	348.18	
40 05 19 00-0157	EA 10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,466.78	216.80
	<i>For Class 52 Rating, Deduct</i>	-235.21	
	<i>For Class 54 Rating, Add</i>	160.37	
	<i>For Class 55 Rating, Add</i>	356.45	
40 05 19 00-0158	EA 10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,518.69	218.29
	<i>For Class 52 Rating, Deduct</i>	-240.67	
	<i>For Class 54 Rating, Add</i>	164.10	
	<i>For Class 55 Rating, Add</i>	364.73	
40 05 19 00-0159	EA 10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,570.59	219.79
	<i>For Class 52 Rating, Deduct</i>	-246.13	
	<i>For Class 54 Rating, Add</i>	167.82	
	<i>For Class 55 Rating, Add</i>	373.00	
40 05 19 00-0160	EA 10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,622.51	221.29
	<i>For Class 52 Rating, Deduct</i>	-251.60	
	<i>For Class 54 Rating, Add</i>	171.54	
	<i>For Class 55 Rating, Add</i>	381.28	
40 05 19 00-0161	EA 10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,674.42	222.78
	<i>For Class 52 Rating, Deduct</i>	-257.06	
	<i>For Class 54 Rating, Add</i>	175.27	
	<i>For Class 55 Rating, Add</i>	389.56	
40 05 19 00-0162	EA 10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,726.34	224.28
	<i>For Class 52 Rating, Deduct</i>	-262.52	
	<i>For Class 54 Rating, Add</i>	178.99	
	<i>For Class 55 Rating, Add</i>	397.83	
40 05 19 00-0163	12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0164	EA 12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	986.55	209.32
	<i>For Class 52 Rating, Deduct</i>	-73.63	
	<i>For Class 54 Rating, Add</i>	50.20	
	<i>For Class 55 Rating, Add</i>	111.59	
40 05 19 00-0165	EA 12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,051.30	210.82
	<i>For Class 52 Rating, Deduct</i>	-80.51	
	<i>For Class 54 Rating, Add</i>	54.89	
	<i>For Class 55 Rating, Add</i>	122.00	
40 05 19 00-0166	EA 12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,116.05	212.31
	<i>For Class 52 Rating, Deduct</i>	-87.38	
	<i>For Class 54 Rating, Add</i>	59.58	
	<i>For Class 55 Rating, Add</i>	132.42	
40 05 19 00-0167	EA 12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,180.81	213.81
	<i>For Class 52 Rating, Deduct</i>	-94.25	
	<i>For Class 54 Rating, Add</i>	64.26	
	<i>For Class 55 Rating, Add</i>	142.84	
40 05 19 00-0168	EA 12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,245.56	215.30
	<i>For Class 52 Rating, Deduct</i>	-101.13	
	<i>For Class 54 Rating, Add</i>	68.95	
	<i>For Class 55 Rating, Add</i>	153.25	
40 05 19 00-0169	EA 12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,310.32	216.80
	<i>For Class 52 Rating, Deduct</i>	-108.00	
	<i>For Class 54 Rating, Add</i>	73.64	
	<i>For Class 55 Rating, Add</i>	163.67	
40 05 19 00-0170	EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,375.07	218.29
	<i>For Class 52 Rating, Deduct</i>	-114.88	
	<i>For Class 54 Rating, Add</i>	78.32	
	<i>For Class 55 Rating, Add</i>	174.09	
40 05 19 00-0171	EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,439.82	219.79
	<i>For Class 52 Rating, Deduct</i>	-121.75	
	<i>For Class 54 Rating, Add</i>	83.01	
	<i>For Class 55 Rating, Add</i>	184.51	
40 05 19 00-0172	EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,504.58	221.29
	<i>For Class 52 Rating, Deduct</i>	-128.62	
	<i>For Class 54 Rating, Add</i>	87.70	
	<i>For Class 55 Rating, Add</i>	194.92	
40 05 19 00-0173	EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,569.32	222.78
	<i>For Class 52 Rating, Deduct</i>	-135.50	
	<i>For Class 54 Rating, Add</i>	92.38	
	<i>For Class 55 Rating, Add</i>	205.34	
40 05 19 00-0174	EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,634.08	224.28
	<i>For Class 52 Rating, Deduct</i>	-142.37	
	<i>For Class 54 Rating, Add</i>	97.07	
	<i>For Class 55 Rating, Add</i>	215.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0175 EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,698.83	225.77
For Class 52 Rating, Deduct	-149.24	
For Class 54 Rating, Add	101.76	
For Class 55 Rating, Add	226.17	
40 05 19 00-0176 EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,763.60	227.27
For Class 52 Rating, Deduct	-156.12	
For Class 54 Rating, Add	106.44	
For Class 55 Rating, Add	236.59	
40 05 19 00-0177 EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,828.35	228.76
For Class 52 Rating, Deduct	-162.99	
For Class 54 Rating, Add	111.13	
For Class 55 Rating, Add	247.01	
40 05 19 00-0178 EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,893.09	230.26
For Class 52 Rating, Deduct	-169.86	
For Class 54 Rating, Add	115.82	
For Class 55 Rating, Add	257.42	
40 05 19 00-0179 EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,957.85	231.75
For Class 52 Rating, Deduct	-176.74	
For Class 54 Rating, Add	120.50	
For Class 55 Rating, Add	267.84	
40 05 19 00-0180 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,022.60	233.24
For Class 52 Rating, Deduct	-183.61	
For Class 54 Rating, Add	125.19	
For Class 55 Rating, Add	278.26	
40 05 19 00-0181 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,087.36	234.74
For Class 52 Rating, Deduct	-190.49	
For Class 54 Rating, Add	129.88	
For Class 55 Rating, Add	288.67	
40 05 19 00-0182 EA 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,152.11	236.23
For Class 52 Rating, Deduct	-197.36	
For Class 54 Rating, Add	134.56	
For Class 55 Rating, Add	299.09	
40 05 19 00-0183 EA 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,216.85	237.73
For Class 52 Rating, Deduct	-204.23	
For Class 54 Rating, Add	139.25	
For Class 55 Rating, Add	309.51	
40 05 19 00-0184 EA 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,281.62	239.22
For Class 52 Rating, Deduct	-211.11	
For Class 54 Rating, Add	143.94	
For Class 55 Rating, Add	319.92	
40 05 19 00-0185 EA 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,346.37	240.72
For Class 52 Rating, Deduct	-217.98	
For Class 54 Rating, Add	148.62	
For Class 55 Rating, Add	330.34	
40 05 19 00-0186 EA 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,411.13	242.22
For Class 52 Rating, Deduct	-224.85	
For Class 54 Rating, Add	153.31	
For Class 55 Rating, Add	340.76	
40 05 19 00-0187 EA 12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,475.88	243.71
For Class 52 Rating, Deduct	-231.73	
For Class 54 Rating, Add	158.00	
For Class 55 Rating, Add	351.17	
40 05 19 00-0188 EA 12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,540.62	245.21
For Class 52 Rating, Deduct	-238.60	
For Class 54 Rating, Add	162.68	
For Class 55 Rating, Add	361.59	
40 05 19 00-0189 EA 12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,605.38	246.70
For Class 52 Rating, Deduct	-245.47	
For Class 54 Rating, Add	167.37	
For Class 55 Rating, Add	372.01	
40 05 19 00-0190 EA 12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,670.13	248.20
For Class 52 Rating, Deduct	-252.35	
For Class 54 Rating, Add	172.06	
For Class 55 Rating, Add	382.42	
40 05 19 00-0191 EA 12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,734.90	249.69
For Class 52 Rating, Deduct	-259.22	
For Class 54 Rating, Add	176.74	
For Class 55 Rating, Add	392.84	
40 05 19 00-0192 EA 12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,799.65	251.19
For Class 52 Rating, Deduct	-266.10	
For Class 54 Rating, Add	181.43	
For Class 55 Rating, Add	403.26	
40 05 19 00-0193 EA 12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,864.39	252.69
For Class 52 Rating, Deduct	-272.97	
For Class 54 Rating, Add	186.12	
For Class 55 Rating, Add	413.67	
40 05 19 00-0194 EA 12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,929.15	254.18
For Class 52 Rating, Deduct	-279.84	
For Class 54 Rating, Add	190.80	
For Class 55 Rating, Add	424.09	
40 05 19 00-0195 EA 12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,993.90	255.68
For Class 52 Rating, Deduct	-286.72	
For Class 54 Rating, Add	195.49	
For Class 55 Rating, Add	434.51	
40 05 19 00-0196 EA 12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,058.66	257.17
For Class 52 Rating, Deduct	-293.59	
For Class 54 Rating, Add	200.18	
For Class 55 Rating, Add	444.92	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0197	EA 12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,123.41	258.66
	<i>For Class 52 Rating, Deduct</i>	-300.47	
	<i>For Class 54 Rating, Add</i>	204.86	
	<i>For Class 55 Rating, Add</i>	455.34	
40 05 19 00-0198	EA 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,188.16	260.15
	<i>For Class 52 Rating, Deduct</i>	-307.34	
	<i>For Class 54 Rating, Add</i>	209.55	
	<i>For Class 55 Rating, Add</i>	465.76	
40 05 19 00-0199	EA 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,252.92	261.65
	<i>For Class 52 Rating, Deduct</i>	-314.21	
	<i>For Class 54 Rating, Add</i>	214.24	
	<i>For Class 55 Rating, Add</i>	476.17	
40 05 19 00-0200	EA 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,317.67	263.15
	<i>For Class 52 Rating, Deduct</i>	-321.09	
	<i>For Class 54 Rating, Add</i>	218.92	
	<i>For Class 55 Rating, Add</i>	486.59	
40 05 19 00-0201	EA 12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,382.43	264.64
	<i>For Class 52 Rating, Deduct</i>	-327.96	
	<i>For Class 54 Rating, Add</i>	223.61	
	<i>For Class 55 Rating, Add</i>	497.01	
40 05 19 00-0202	EA 12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,447.18	266.14
	<i>For Class 52 Rating, Deduct</i>	-334.83	
	<i>For Class 54 Rating, Add</i>	228.30	
	<i>For Class 55 Rating, Add</i>	507.42	
40 05 19 00-0203	14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
	<i>(40 05 19 00-0002)</i>		
40 05 19 00-0204	EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,317.91	251.19
	<i>For Class 52 Rating, Deduct</i>	-103.11	
	<i>For Class 54 Rating, Add</i>	70.30	
	<i>For Class 55 Rating, Add</i>	156.25	
40 05 19 00-0205	EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,396.35	252.69
	<i>For Class 52 Rating, Deduct</i>	-111.49	
	<i>For Class 54 Rating, Add</i>	76.01	
	<i>For Class 55 Rating, Add</i>	168.95	
40 05 19 00-0206	EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,474.81	254.18
	<i>For Class 52 Rating, Deduct</i>	-119.87	
	<i>For Class 54 Rating, Add</i>	81.73	
	<i>For Class 55 Rating, Add</i>	181.65	
40 05 19 00-0207	EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,553.25	255.68
	<i>For Class 52 Rating, Deduct</i>	-128.25	
	<i>For Class 54 Rating, Add</i>	87.44	
	<i>For Class 55 Rating, Add</i>	194.35	
40 05 19 00-0208	EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,631.71	257.17
	<i>For Class 52 Rating, Deduct</i>	-136.63	
	<i>For Class 54 Rating, Add</i>	93.15	
	<i>For Class 55 Rating, Add</i>	207.05	
40 05 19 00-0209	EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,710.15	258.66
	<i>For Class 52 Rating, Deduct</i>	-145.01	
	<i>For Class 54 Rating, Add</i>	98.87	
	<i>For Class 55 Rating, Add</i>	219.75	
40 05 19 00-0210	EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,788.60	260.15
	<i>For Class 52 Rating, Deduct</i>	-153.39	
	<i>For Class 54 Rating, Add</i>	104.58	
	<i>For Class 55 Rating, Add</i>	232.45	
40 05 19 00-0211	EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,867.06	261.65
	<i>For Class 52 Rating, Deduct</i>	-161.77	
	<i>For Class 54 Rating, Add</i>	110.30	
	<i>For Class 55 Rating, Add</i>	245.15	
40 05 19 00-0212	EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,945.50	263.15
	<i>For Class 52 Rating, Deduct</i>	-170.15	
	<i>For Class 54 Rating, Add</i>	116.01	
	<i>For Class 55 Rating, Add</i>	257.85	
40 05 19 00-0213	EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,023.96	264.64
	<i>For Class 52 Rating, Deduct</i>	-178.53	
	<i>For Class 54 Rating, Add</i>	121.72	
	<i>For Class 55 Rating, Add</i>	270.55	
40 05 19 00-0214	EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,102.40	266.14
	<i>For Class 52 Rating, Deduct</i>	-186.91	
	<i>For Class 54 Rating, Add</i>	127.44	
	<i>For Class 55 Rating, Add</i>	283.25	
40 05 19 00-0215	EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,180.85	267.63
	<i>For Class 52 Rating, Deduct</i>	-195.29	
	<i>For Class 54 Rating, Add</i>	133.15	
	<i>For Class 55 Rating, Add</i>	295.95	
40 05 19 00-0216	EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,259.30	269.13
	<i>For Class 52 Rating, Deduct</i>	-203.67	
	<i>For Class 54 Rating, Add</i>	138.86	
	<i>For Class 55 Rating, Add</i>	308.65	
40 05 19 00-0217	EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,337.74	270.62
	<i>For Class 52 Rating, Deduct</i>	-212.05	
	<i>For Class 54 Rating, Add</i>	144.58	
	<i>For Class 55 Rating, Add</i>	321.35	
40 05 19 00-0218	EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,416.20	272.12
	<i>For Class 52 Rating, Deduct</i>	-220.43	
	<i>For Class 54 Rating, Add</i>	150.29	
	<i>For Class 55 Rating, Add</i>	334.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0219 EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,494.65 -228.81 156.01 346.75	273.62
40 05 19 00-0220 EA 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,573.10 -237.19 161.72 359.45	275.11
40 05 19 00-0221 EA 14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,651.55 -245.57 167.43 372.15	276.61
40 05 19 00-0222 EA 14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,729.99 -253.95 173.15 384.85	278.10
40 05 19 00-0223 EA 14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,808.45 -262.33 178.86 397.55	279.60
40 05 19 00-0224 EA 14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,886.89 -270.71 184.58 410.25	281.09
40 05 19 00-0225 EA 14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,965.34 -279.09 190.29 422.95	282.59
40 05 19 00-0226 EA 14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,043.79 -287.47 196.00 435.65	284.09
40 05 19 00-0227 EA 14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,122.25 -295.85 201.72 448.35	285.57
40 05 19 00-0228 EA 14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,200.70 -304.23 207.43 461.05	287.07
40 05 19 00-0229 EA 14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,279.14 -312.61 213.14 473.75	288.56
40 05 19 00-0230 EA 14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,357.59 -320.99 218.86 486.45	290.06
40 05 19 00-0231 EA 14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,436.04 -329.37 224.57 499.15	291.55
40 05 19 00-0232 EA 14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,514.49 -337.75 230.29 511.85	293.05
40 05 19 00-0233 EA 14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,592.94 -346.13 236.00 524.55	294.55
40 05 19 00-0234 EA 14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,671.39 -354.51 241.71 537.25	296.04
40 05 19 00-0235 EA 14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,749.84 -362.89 247.43 549.95	297.54
40 05 19 00-0236 EA 14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,828.29 -371.27 253.14 562.65	299.03
40 05 19 00-0237 EA 14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,906.74 -379.65 258.85 575.35	300.53
40 05 19 00-0238 EA 14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,985.19 -388.03 264.57 588.05	302.02
40 05 19 00-0239 EA 14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,063.63 -396.41 270.28 600.75	303.52
40 05 19 00-0240 EA 14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,142.08 -404.79 276.00 613.45	305.02

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0241	EA 14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,220.53 -413.17 281.71 626.15	306.51
40 05 19 00-0242	16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0243	EA 16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,546.05 -122.22 83.33 185.22	287.07
40 05 19 00-0244	EA 16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,637.33 -132.01 90.01 200.06	288.56
40 05 19 00-0245	EA 16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,728.63 -141.81 96.69 214.90	290.06
40 05 19 00-0246	EA 16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,819.91 -151.60 103.36 229.74	291.55
40 05 19 00-0247	EA 16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,911.20 -161.39 110.04 244.58	293.05
40 05 19 00-0248	EA 16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,002.49 -171.18 116.72 259.42	294.55
40 05 19 00-0249	EA 16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,093.78 -180.98 123.39 274.26	296.04
40 05 19 00-0250	EA 16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,185.08 -190.77 130.07 289.10	297.54
40 05 19 00-0251	EA 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,276.36 -200.56 136.75 303.94	299.03
40 05 19 00-0252	EA 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,367.65 -210.35 143.42 318.78	300.53
40 05 19 00-0253	EA 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,458.94 -220.15 150.10 333.62	302.02
40 05 19 00-0254	EA 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,550.22 -229.94 156.78 348.46	303.52
40 05 19 00-0255	EA 16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,641.52 -239.73 163.45 363.30	305.02
40 05 19 00-0256	EA 16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,732.80 -249.52 170.13 378.14	306.51
40 05 19 00-0257	EA 16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,824.10 -259.32 176.81 392.98	308.01
40 05 19 00-0258	EA 16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,915.39 -269.11 183.48 407.82	309.50
40 05 19 00-0259	EA 16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,006.68 -278.90 190.16 422.66	311.00
40 05 19 00-0260	EA 16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,097.97 -288.70 196.84 437.50	312.48
40 05 19 00-0261	EA 16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,189.25 -298.49 203.51 452.34	313.98
40 05 19 00-0262	EA 16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,280.54 -308.28 210.19 467.18	315.48



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0263	EA		16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,371.83 -318.07 216.87 482.02	316.97
40 05 19 00-0264	EA		16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,463.12 -327.86 223.54 496.86	318.47
40 05 19 00-0265	EA		16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,554.42 -337.66 230.22 511.71	319.96
40 05 19 00-0266	EA		16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,645.70 -347.45 236.90 526.55	321.46
40 05 19 00-0267	EA		16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,736.99 -357.24 243.57 541.38	322.95
40 05 19 00-0268	EA		16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,828.28 -367.04 250.25 556.23	324.45
40 05 19 00-0269	EA		16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,919.57 -376.83 256.93 571.07	325.95
40 05 19 00-0270	EA		16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,010.86 -386.62 263.61 585.91	327.44
40 05 19 00-0271	EA		16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,102.14 -396.41 270.28 600.75	328.94
40 05 19 00-0272	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,193.43 -406.21 276.96 615.59	330.43
40 05 19 00-0273	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,284.73 -416.00 283.64 630.43	331.93
40 05 19 00-0274	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,376.02 -425.79 290.31 645.27	333.42
40 05 19 00-0275	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,467.31 -435.58 296.99 660.11	334.92
40 05 19 00-0276	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,558.60 -445.38 303.67 674.95	336.42
40 05 19 00-0277	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,649.88 -455.17 310.34 689.79	337.91
40 05 19 00-0278	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,741.17 -464.96 317.02 704.63	339.41
40 05 19 00-0279	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,832.46 -474.75 323.70 719.47	340.89
40 05 19 00-0280	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,923.75 -484.55 330.37 734.31	342.39
40 05 19 00-0281			18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,799.91 -144.06 98.23 218.32	323.56
40 05 19 00-0283	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,904.89 -155.36 105.93 235.45	325.05
40 05 19 00-0284	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,009.89 -166.66 113.63 252.57	326.55

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0285	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,114.87	328.04
			<i>For Class 52 Rating, Deduct</i>	-177.96	
			<i>For Class 54 Rating, Add</i>	121.34	
			<i>For Class 55 Rating, Add</i>	269.69	
40 05 19 00-0286	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,219.86	329.53
			<i>For Class 52 Rating, Deduct</i>	-189.26	
			<i>For Class 54 Rating, Add</i>	129.04	
			<i>For Class 55 Rating, Add</i>	286.82	
40 05 19 00-0287	EA		18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,324.84	331.03
			<i>For Class 52 Rating, Deduct</i>	-200.56	
			<i>For Class 54 Rating, Add</i>	136.75	
			<i>For Class 55 Rating, Add</i>	303.94	
40 05 19 00-0288	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,429.82	332.52
			<i>For Class 52 Rating, Deduct</i>	-211.86	
			<i>For Class 54 Rating, Add</i>	144.45	
			<i>For Class 55 Rating, Add</i>	321.06	
40 05 19 00-0289	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,534.81	334.02
			<i>For Class 52 Rating, Deduct</i>	-223.16	
			<i>For Class 54 Rating, Add</i>	152.15	
			<i>For Class 55 Rating, Add</i>	338.19	
40 05 19 00-0290	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,639.79	335.51
			<i>For Class 52 Rating, Deduct</i>	-234.46	
			<i>For Class 54 Rating, Add</i>	159.86	
			<i>For Class 55 Rating, Add</i>	355.31	
40 05 19 00-0291	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,744.78	337.01
			<i>For Class 52 Rating, Deduct</i>	-245.76	
			<i>For Class 54 Rating, Add</i>	167.56	
			<i>For Class 55 Rating, Add</i>	372.43	
40 05 19 00-0292	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,849.77	338.50
			<i>For Class 52 Rating, Deduct</i>	-257.06	
			<i>For Class 54 Rating, Add</i>	175.27	
			<i>For Class 55 Rating, Add</i>	389.56	
40 05 19 00-0293	EA		18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,954.76	340.00
			<i>For Class 52 Rating, Deduct</i>	-268.36	
			<i>For Class 54 Rating, Add</i>	182.97	
			<i>For Class 55 Rating, Add</i>	406.68	
40 05 19 00-0294	EA		18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,059.74	341.50
			<i>For Class 52 Rating, Deduct</i>	-279.66	
			<i>For Class 54 Rating, Add</i>	190.67	
			<i>For Class 55 Rating, Add</i>	423.80	
40 05 19 00-0295	EA		18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,164.72	342.99
			<i>For Class 52 Rating, Deduct</i>	-290.95	
			<i>For Class 54 Rating, Add</i>	198.38	
			<i>For Class 55 Rating, Add</i>	440.93	
40 05 19 00-0296	EA		18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,269.71	344.49
			<i>For Class 52 Rating, Deduct</i>	-302.25	
			<i>For Class 54 Rating, Add</i>	206.08	
			<i>For Class 55 Rating, Add</i>	458.05	
40 05 19 00-0297	EA		18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,374.69	345.98
			<i>For Class 52 Rating, Deduct</i>	-313.55	
			<i>For Class 54 Rating, Add</i>	213.79	
			<i>For Class 55 Rating, Add</i>	475.18	
40 05 19 00-0298	EA		18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,479.68	347.48
			<i>For Class 52 Rating, Deduct</i>	-324.85	
			<i>For Class 54 Rating, Add</i>	221.49	
			<i>For Class 55 Rating, Add</i>	492.30	
40 05 19 00-0299	EA		18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,584.66	348.97
			<i>For Class 52 Rating, Deduct</i>	-336.15	
			<i>For Class 54 Rating, Add</i>	229.19	
			<i>For Class 55 Rating, Add</i>	509.42	
40 05 19 00-0300	EA		18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,689.65	350.47
			<i>For Class 52 Rating, Deduct</i>	-347.45	
			<i>For Class 54 Rating, Add</i>	236.90	
			<i>For Class 55 Rating, Add</i>	526.55	
40 05 19 00-0301	EA		18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,794.64	351.97
			<i>For Class 52 Rating, Deduct</i>	-358.75	
			<i>For Class 54 Rating, Add</i>	244.60	
			<i>For Class 55 Rating, Add</i>	543.67	
40 05 19 00-0302	EA		18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,899.62	353.46
			<i>For Class 52 Rating, Deduct</i>	-370.05	
			<i>For Class 54 Rating, Add</i>	252.31	
			<i>For Class 55 Rating, Add</i>	560.79	
40 05 19 00-0303	EA		18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,004.61	354.96
			<i>For Class 52 Rating, Deduct</i>	-381.35	
			<i>For Class 54 Rating, Add</i>	260.01	
			<i>For Class 55 Rating, Add</i>	577.92	
40 05 19 00-0304	EA		18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,109.59	356.44
			<i>For Class 52 Rating, Deduct</i>	-392.65	
			<i>For Class 54 Rating, Add</i>	267.71	
			<i>For Class 55 Rating, Add</i>	595.04	
40 05 19 00-0305	EA		18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,214.57	357.94
			<i>For Class 52 Rating, Deduct</i>	-403.95	
			<i>For Class 54 Rating, Add</i>	275.42	
			<i>For Class 55 Rating, Add</i>	612.16	
40 05 19 00-0306	EA		18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,319.56	359.43
			<i>For Class 52 Rating, Deduct</i>	-415.25	
			<i>For Class 54 Rating, Add</i>	283.12	
			<i>For Class 55 Rating, Add</i>	629.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0307 EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,424.54 -426.54 290.83 646.41	360.93
40 05 19 00-0308 EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,529.54 -437.84 298.53 663.53	362.43
40 05 19 00-0309 EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,634.52 -449.14 306.23 680.66	363.92
40 05 19 00-0310 EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,739.50 -460.44 313.94 697.78	365.42
40 05 19 00-0311 EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,844.49 -471.74 321.64 714.90	366.91
40 05 19 00-0312 EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,949.47 -483.04 329.35 732.03	368.41
40 05 19 00-0313 EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,054.46 -494.34 337.05 749.15	369.90
40 05 19 00-0314 EA 18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,159.44 -505.64 344.75 766.27	371.40
40 05 19 00-0315 EA 18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,264.44 -516.94 352.46 783.40	372.90
40 05 19 00-0316 EA 18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,369.42 -528.24 360.16 800.52	374.39
40 05 19 00-0317 EA 18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,474.40 -539.54 367.87 817.64	375.89
40 05 19 00-0318 EA 18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,579.39 -550.84 375.57 834.77	377.38
40 05 19 00-0319 EA 18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,684.37 -562.14 383.27 851.89	378.88
40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321 EA 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,108.06 -170.34 116.14 258.13	369.30
40 05 19 00-0322 EA 20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,228.45 -183.33 125.00 277.83	370.80
40 05 19 00-0323 EA 20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,348.84 -196.32 133.86 297.52	372.29
40 05 19 00-0324 EA 20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,469.24 -209.32 142.72 317.21	373.79
40 05 19 00-0325 EA 20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,589.63 -222.31 151.58 336.90	375.28
40 05 19 00-0326 EA 20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,710.02 -235.31 160.44 356.59	376.78
40 05 19 00-0327 EA 20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,830.42 -248.30 169.30 376.29	378.28
40 05 19 00-0328 EA 20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,950.81 -261.29 178.16 395.98	379.77

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0329	EA	20"	Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,071.21	381.27
			<i>For Class 52 Rating, Deduct</i>	-274.29	
			<i>For Class 54 Rating, Add</i>	187.01	
			<i>For Class 55 Rating, Add</i>	415.67	
40 05 19 00-0330	EA	20"	Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,191.60	382.76
			<i>For Class 52 Rating, Deduct</i>	-287.28	
			<i>For Class 54 Rating, Add</i>	195.87	
			<i>For Class 55 Rating, Add</i>	435.36	
40 05 19 00-0331	EA	20"	Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,311.99	384.26
			<i>For Class 52 Rating, Deduct</i>	-300.28	
			<i>For Class 54 Rating, Add</i>	204.73	
			<i>For Class 55 Rating, Add</i>	455.05	
40 05 19 00-0332	EA	20"	Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,432.38	385.75
			<i>For Class 52 Rating, Deduct</i>	-313.27	
			<i>For Class 54 Rating, Add</i>	213.59	
			<i>For Class 55 Rating, Add</i>	474.75	
40 05 19 00-0333	EA	20"	Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,552.78	387.25
			<i>For Class 52 Rating, Deduct</i>	-326.26	
			<i>For Class 54 Rating, Add</i>	222.45	
			<i>For Class 55 Rating, Add</i>	494.44	
40 05 19 00-0334	EA	20"	Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,673.17	388.75
			<i>For Class 52 Rating, Deduct</i>	-339.26	
			<i>For Class 54 Rating, Add</i>	231.31	
			<i>For Class 55 Rating, Add</i>	514.13	
40 05 19 00-0335	EA	20"	Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,793.57	390.24
			<i>For Class 52 Rating, Deduct</i>	-352.25	
			<i>For Class 54 Rating, Add</i>	240.17	
			<i>For Class 55 Rating, Add</i>	533.82	
40 05 19 00-0336	EA	20"	Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,913.96	391.74
			<i>For Class 52 Rating, Deduct</i>	-365.25	
			<i>For Class 54 Rating, Add</i>	249.03	
			<i>For Class 55 Rating, Add</i>	553.51	
40 05 19 00-0337	EA	20"	Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,034.35	393.23
			<i>For Class 52 Rating, Deduct</i>	-378.24	
			<i>For Class 54 Rating, Add</i>	257.89	
			<i>For Class 55 Rating, Add</i>	573.21	
40 05 19 00-0338	EA	20"	Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,154.75	394.72
			<i>For Class 52 Rating, Deduct</i>	-391.23	
			<i>For Class 54 Rating, Add</i>	266.75	
			<i>For Class 55 Rating, Add</i>	592.90	
40 05 19 00-0339	EA	20"	Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,275.14	396.21
			<i>For Class 52 Rating, Deduct</i>	-404.23	
			<i>For Class 54 Rating, Add</i>	275.61	
			<i>For Class 55 Rating, Add</i>	612.59	
40 05 19 00-0340	EA	20"	Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,395.53	397.71
			<i>For Class 52 Rating, Deduct</i>	-417.22	
			<i>For Class 54 Rating, Add</i>	284.47	
			<i>For Class 55 Rating, Add</i>	632.28	
40 05 19 00-0341	EA	20"	Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,515.92	399.21
			<i>For Class 52 Rating, Deduct</i>	-430.22	
			<i>For Class 54 Rating, Add</i>	293.33	
			<i>For Class 55 Rating, Add</i>	651.97	
40 05 19 00-0342	EA	20"	Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,636.32	400.70
			<i>For Class 52 Rating, Deduct</i>	-443.21	
			<i>For Class 54 Rating, Add</i>	302.19	
			<i>For Class 55 Rating, Add</i>	671.67	
40 05 19 00-0343	EA	20"	Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,756.72	402.20
			<i>For Class 52 Rating, Deduct</i>	-456.21	
			<i>For Class 54 Rating, Add</i>	311.05	
			<i>For Class 55 Rating, Add</i>	691.36	
40 05 19 00-0344	EA	20"	Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,877.11	403.69
			<i>For Class 52 Rating, Deduct</i>	-469.20	
			<i>For Class 54 Rating, Add</i>	319.91	
			<i>For Class 55 Rating, Add</i>	711.05	
40 05 19 00-0345	EA	20"	Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,997.50	405.19
			<i>For Class 52 Rating, Deduct</i>	-482.19	
			<i>For Class 54 Rating, Add</i>	328.77	
			<i>For Class 55 Rating, Add</i>	730.74	
40 05 19 00-0346	EA	20"	Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,117.89	406.68
			<i>For Class 52 Rating, Deduct</i>	-495.19	
			<i>For Class 54 Rating, Add</i>	337.63	
			<i>For Class 55 Rating, Add</i>	750.43	
40 05 19 00-0347	EA	20"	Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,238.28	408.18
			<i>For Class 52 Rating, Deduct</i>	-508.18	
			<i>For Class 54 Rating, Add</i>	346.49	
			<i>For Class 55 Rating, Add</i>	770.13	
40 05 19 00-0348	EA	20"	Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,358.68	409.68
			<i>For Class 52 Rating, Deduct</i>	-521.18	
			<i>For Class 54 Rating, Add</i>	355.35	
			<i>For Class 55 Rating, Add</i>	789.82	
40 05 19 00-0349	EA	20"	Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,479.07	411.17
			<i>For Class 52 Rating, Deduct</i>	-534.17	
			<i>For Class 54 Rating, Add</i>	364.21	
			<i>For Class 55 Rating, Add</i>	809.51	
40 05 19 00-0350	EA	20"	Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,599.48	412.67
			<i>For Class 52 Rating, Deduct</i>	-547.16	
			<i>For Class 54 Rating, Add</i>	373.07	
			<i>For Class 55 Rating, Add</i>	829.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0351 EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,719.86 -560.16 381.93 848.89	414.16
40 05 19 00-0352 EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,840.25 -573.15 390.79 868.59	415.66
40 05 19 00-0353 EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,960.65 -586.15 399.65 888.28	417.15
40 05 19 00-0354 EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,081.04 -599.14 408.50 907.97	418.65
40 05 19 00-0355 EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,201.44 -612.13 417.36 927.66	420.15
40 05 19 00-0356 EA 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,321.82 -625.13 426.22 947.35	421.63
40 05 19 00-0357 EA 20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,442.21 -638.12 435.08 967.05	423.13
40 05 19 00-0358 EA 20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,562.62 -651.12 443.94 986.74	424.62
40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0360 EA 24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,594.35 -212.61 144.96 322.21	436.59
40 05 19 00-0361 EA 24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,742.98 -228.71 155.94 346.61	438.08
40 05 19 00-0362 EA 24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,891.63 -244.82 166.92 371.01	439.58
40 05 19 00-0363 EA 24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,040.27 -260.92 177.90 395.41	441.08
40 05 19 00-0364 EA 24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,188.91 -277.02 188.88 419.81	442.57
40 05 19 00-0365 EA 24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,337.55 -293.12 199.85 444.21	444.07
40 05 19 00-0366 EA 24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,486.19 -309.22 210.83 468.61	445.56
40 05 19 00-0367 EA 24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,634.84 -325.32 221.81 493.01	447.06
40 05 19 00-0368 EA 24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,783.48 -341.42 232.79 517.41	448.55
40 05 19 00-0369 EA 24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,932.12 -357.53 243.77 541.81	450.04
40 05 19 00-0370 EA 24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,080.76 -373.63 254.75 566.21	451.54
40 05 19 00-0371 EA 24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,229.40 -389.73 265.72 590.61	453.03
40 05 19 00-0372 EA 24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,378.04 -405.83 276.70 615.02	454.53

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0373	EA 24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,526.68	456.02
	For Class 52 Rating, Deduct	-421.93	
	For Class 54 Rating, Add	287.68	
	For Class 55 Rating, Add	639.42	
40 05 19 00-0374	EA 24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,675.32	457.52
	For Class 52 Rating, Deduct	-438.03	
	For Class 54 Rating, Add	298.66	
	For Class 55 Rating, Add	663.82	
40 05 19 00-0375	EA 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,823.97	459.01
	For Class 52 Rating, Deduct	-454.13	
	For Class 54 Rating, Add	309.64	
	For Class 55 Rating, Add	688.22	
40 05 19 00-0376	EA 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,972.61	460.51
	For Class 52 Rating, Deduct	-470.23	
	For Class 54 Rating, Add	320.61	
	For Class 55 Rating, Add	712.62	
40 05 19 00-0377	EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,121.25	462.01
	For Class 52 Rating, Deduct	-486.34	
	For Class 54 Rating, Add	331.59	
	For Class 55 Rating, Add	737.02	
40 05 19 00-0378	EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,269.89	463.50
	For Class 52 Rating, Deduct	-502.44	
	For Class 54 Rating, Add	342.57	
	For Class 55 Rating, Add	761.42	
40 05 19 00-0379	EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,418.53	465.00
	For Class 52 Rating, Deduct	-518.54	
	For Class 54 Rating, Add	353.55	
	For Class 55 Rating, Add	785.82	
40 05 19 00-0380	EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,567.17	466.49
	For Class 52 Rating, Deduct	-534.64	
	For Class 54 Rating, Add	364.53	
	For Class 55 Rating, Add	810.22	
40 05 19 00-0381	EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,715.81	467.99
	For Class 52 Rating, Deduct	-550.74	
	For Class 54 Rating, Add	375.51	
	For Class 55 Rating, Add	834.62	
40 05 19 00-0382	EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,864.45	469.48
	For Class 52 Rating, Deduct	-566.84	
	For Class 54 Rating, Add	386.48	
	For Class 55 Rating, Add	859.03	
40 05 19 00-0383	EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,013.11	470.98
	For Class 52 Rating, Deduct	-582.95	
	For Class 54 Rating, Add	397.46	
	For Class 55 Rating, Add	883.43	
40 05 19 00-0384	EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,161.74	472.48
	For Class 52 Rating, Deduct	-599.05	
	For Class 54 Rating, Add	408.44	
	For Class 55 Rating, Add	907.83	
40 05 19 00-0385	EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,310.38	473.97
	For Class 52 Rating, Deduct	-615.15	
	For Class 54 Rating, Add	419.42	
	For Class 55 Rating, Add	932.23	
40 05 19 00-0386	EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,459.02	475.47
	For Class 52 Rating, Deduct	-631.25	
	For Class 54 Rating, Add	430.40	
	For Class 55 Rating, Add	956.63	
40 05 19 00-0387	EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,607.66	476.95
	For Class 52 Rating, Deduct	-647.35	
	For Class 54 Rating, Add	441.38	
	For Class 55 Rating, Add	981.03	
40 05 19 00-0388	EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,756.31	478.45
	For Class 52 Rating, Deduct	-663.45	
	For Class 54 Rating, Add	452.35	
	For Class 55 Rating, Add	1,005.43	
40 05 19 00-0389	EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,943.46	505.36
	For Class 52 Rating, Deduct	-679.55	
	For Class 54 Rating, Add	463.33	
	For Class 55 Rating, Add	1,029.83	
40 05 19 00-0390	EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,092.10	506.86
	For Class 52 Rating, Deduct	-695.65	
	For Class 54 Rating, Add	474.31	
	For Class 55 Rating, Add	1,054.23	
40 05 19 00-0391	EA 24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,240.74	508.35
	For Class 52 Rating, Deduct	-711.76	
	For Class 54 Rating, Add	485.29	
	For Class 55 Rating, Add	1,078.63	
40 05 19 00-0392	EA 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,389.38	509.85
	For Class 52 Rating, Deduct	-727.86	
	For Class 54 Rating, Add	496.27	
	For Class 55 Rating, Add	1,103.03	
40 05 19 00-0393	EA 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,538.03	511.34
	For Class 52 Rating, Deduct	-743.96	
	For Class 54 Rating, Add	507.24	
	For Class 55 Rating, Add	1,127.44	
40 05 19 00-0394	EA 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,686.66	512.84
	For Class 52 Rating, Deduct	-760.06	
	For Class 54 Rating, Add	518.22	
	For Class 55 Rating, Add	1,151.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0395	EA		24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	7,835.30 -776.16 529.20 1,176.24	514.34
40 05 19 00-0396	EA		24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	7,983.94 -792.26 540.18 1,200.64	515.83
40 05 19 00-0397	EA		24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	8,132.59 -808.36 551.16 1,225.04	517.33
40 05 19 00-0398			30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399	EA		30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,006.38 -338.03 230.48 512.28	616.00
40 05 19 00-0400	EA		30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,220.08 -361.29 246.34 547.52	617.50
40 05 19 00-0401	EA		30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,433.77 -384.55 262.19 582.77	619.00
40 05 19 00-0402	EA		30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,647.48 -407.81 278.05 618.01	620.49
40 05 19 00-0403	EA		30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,861.18 -431.06 293.91 653.26	621.99
40 05 19 00-0404	EA		30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,074.87 -454.32 309.77 688.50	623.48
40 05 19 00-0405	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,288.57 -477.58 325.62 723.75	624.98
40 05 19 00-0406	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,502.26 -500.84 341.48 759.00	626.47
40 05 19 00-0407	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,715.97 -524.10 357.34 794.24	627.97
40 05 19 00-0408	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,929.66 -547.35 373.19 829.49	629.47
40 05 19 00-0409	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,143.36 -570.61 389.05 864.73	630.96
40 05 19 00-0410	EA		30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,357.05 -593.87 404.91 899.98	632.46
40 05 19 00-0411	EA		30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,570.75 -617.12 420.77 935.22	633.95
40 05 19 00-0412	EA		30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,784.46 -640.38 436.62 970.47	635.45
40 05 19 00-0413	EA		30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,998.15 -663.64 452.48 1,005.72	636.94
40 05 19 00-0414	EA		30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	7,211.85 -686.90 468.34 1,040.96	638.44
40 05 19 00-0415	EA		30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	7,425.54 -710.15 484.20 1,076.21	639.93
40 05 19 00-0416	EA		30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	7,639.23 -733.41 500.05 1,111.45	641.42

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0417	EA 30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,852.94	642.92
	For Class 52 Rating, Deduct	-756.67	
	For Class 54 Rating, Add	515.91	
	For Class 55 Rating, Add	1,146.70	
40 05 19 00-0418	EA 30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,066.63	644.41
	For Class 52 Rating, Deduct	-779.93	
	For Class 54 Rating, Add	531.77	
	For Class 55 Rating, Add	1,181.94	
40 05 19 00-0419	EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,280.34	645.91
	For Class 52 Rating, Deduct	-803.18	
	For Class 54 Rating, Add	547.63	
	For Class 55 Rating, Add	1,217.19	
40 05 19 00-0420	EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,494.03	647.40
	For Class 52 Rating, Deduct	-826.44	
	For Class 54 Rating, Add	563.48	
	For Class 55 Rating, Add	1,252.44	
40 05 19 00-0421	EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,707.72	648.90
	For Class 52 Rating, Deduct	-849.70	
	For Class 54 Rating, Add	579.34	
	For Class 55 Rating, Add	1,287.68	
40 05 19 00-0422	EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,921.43	650.40
	For Class 52 Rating, Deduct	-872.96	
	For Class 54 Rating, Add	595.20	
	For Class 55 Rating, Add	1,322.93	
40 05 19 00-0423	EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,134.26	651.89
	For Class 52 Rating, Deduct	-896.12	
	For Class 54 Rating, Add	610.99	
	For Class 55 Rating, Add	1,358.03	
40 05 19 00-0424	EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,348.82	653.39
	For Class 52 Rating, Deduct	-919.47	
	For Class 54 Rating, Add	626.91	
	For Class 55 Rating, Add	1,393.42	
40 05 19 00-0425	EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,562.51	654.88
	For Class 52 Rating, Deduct	-942.73	
	For Class 54 Rating, Add	642.77	
	For Class 55 Rating, Add	1,428.66	
40 05 19 00-0426	EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,776.22	656.38
	For Class 52 Rating, Deduct	-965.99	
	For Class 54 Rating, Add	658.63	
	For Class 55 Rating, Add	1,463.91	
40 05 19 00-0427	EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,989.92	657.87
	For Class 52 Rating, Deduct	-989.25	
	For Class 54 Rating, Add	674.49	
	For Class 55 Rating, Add	1,499.16	
40 05 19 00-0428	EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,203.61	659.37
	For Class 52 Rating, Deduct	-1,012.50	
	For Class 54 Rating, Add	690.34	
	For Class 55 Rating, Add	1,534.40	
40 05 19 00-0429	EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,417.31	660.87
	For Class 52 Rating, Deduct	-1,035.76	
	For Class 54 Rating, Add	706.20	
	For Class 55 Rating, Add	1,569.65	
40 05 19 00-0430	EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,631.00	662.36
	For Class 52 Rating, Deduct	-1,059.02	
	For Class 54 Rating, Add	722.06	
	For Class 55 Rating, Add	1,604.89	
40 05 19 00-0431	EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,844.70	663.86
	For Class 52 Rating, Deduct	-1,082.27	
	For Class 54 Rating, Add	737.91	
	For Class 55 Rating, Add	1,640.14	
40 05 19 00-0432	EA 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,058.40	665.35
	For Class 52 Rating, Deduct	-1,105.53	
	For Class 54 Rating, Add	753.77	
	For Class 55 Rating, Add	1,675.39	
40 05 19 00-0433	EA 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,272.09	666.84
	For Class 52 Rating, Deduct	-1,128.79	
	For Class 54 Rating, Add	769.63	
	For Class 55 Rating, Add	1,710.63	
40 05 19 00-0434	EA 30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,485.80	668.33
	For Class 52 Rating, Deduct	-1,152.05	
	For Class 54 Rating, Add	785.49	
	For Class 55 Rating, Add	1,745.88	
40 05 19 00-0435	EA 30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,699.49	669.83
	For Class 52 Rating, Deduct	-1,175.30	
	For Class 54 Rating, Add	801.34	
	For Class 55 Rating, Add	1,781.12	
40 05 19 00-0436	EA 30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,913.19	671.33
	For Class 52 Rating, Deduct	-1,198.56	
	For Class 54 Rating, Add	817.20	
	For Class 55 Rating, Add	1,816.37	
40 05 19 00-0437	36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0438	EA 36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,579.81	780.47
	For Class 52 Rating, Deduct	-483.70	
	For Class 54 Rating, Add	329.80	
	For Class 55 Rating, Add	733.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0439 EA 36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,869.69	781.97
For Class 52 Rating, Deduct	-515.34	
For Class 54 Rating, Add	351.37	
For Class 55 Rating, Add	780.97	
40 05 19 00-0440 EA 36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,159.56	783.46
For Class 52 Rating, Deduct	-546.98	
For Class 54 Rating, Add	372.94	
For Class 55 Rating, Add	828.92	
40 05 19 00-0441 EA 36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,449.46	784.96
For Class 52 Rating, Deduct	-578.61	
For Class 54 Rating, Add	394.51	
For Class 55 Rating, Add	876.86	
40 05 19 00-0442 EA 36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,739.34	786.46
For Class 52 Rating, Deduct	-610.25	
For Class 54 Rating, Add	416.08	
For Class 55 Rating, Add	924.81	
40 05 19 00-0443 EA 36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,029.22	787.95
For Class 52 Rating, Deduct	-641.89	
For Class 54 Rating, Add	437.65	
For Class 55 Rating, Add	972.75	
40 05 19 00-0444 EA 36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,319.10	789.45
For Class 52 Rating, Deduct	-673.53	
For Class 54 Rating, Add	459.22	
For Class 55 Rating, Add	1,020.70	
40 05 19 00-0445 EA 36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,608.98	790.94
For Class 52 Rating, Deduct	-705.16	
For Class 54 Rating, Add	480.79	
For Class 55 Rating, Add	1,068.64	
40 05 19 00-0446 EA 36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,898.86	792.44
For Class 52 Rating, Deduct	-736.80	
For Class 54 Rating, Add	502.37	
For Class 55 Rating, Add	1,116.59	
40 05 19 00-0447 EA 36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,188.74	793.93
For Class 52 Rating, Deduct	-768.44	
For Class 54 Rating, Add	523.94	
For Class 55 Rating, Add	1,164.54	
40 05 19 00-0448 EA 36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,478.63	795.43
For Class 52 Rating, Deduct	-800.08	
For Class 54 Rating, Add	545.51	
For Class 55 Rating, Add	1,212.48	
40 05 19 00-0449 EA 36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,768.51	796.93
For Class 52 Rating, Deduct	-831.72	
For Class 54 Rating, Add	567.08	
For Class 55 Rating, Add	1,260.43	
40 05 19 00-0450 EA 36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,058.39	798.42
For Class 52 Rating, Deduct	-863.35	
For Class 54 Rating, Add	588.65	
For Class 55 Rating, Add	1,308.37	
40 05 19 00-0451 EA 36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,348.27	799.92
For Class 52 Rating, Deduct	-894.99	
For Class 54 Rating, Add	610.22	
For Class 55 Rating, Add	1,356.32	
40 05 19 00-0452 EA 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,638.15	801.41
For Class 52 Rating, Deduct	-926.63	
For Class 54 Rating, Add	631.79	
For Class 55 Rating, Add	1,404.26	
40 05 19 00-0453 EA 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,928.03	802.90
For Class 52 Rating, Deduct	-958.27	
For Class 54 Rating, Add	653.36	
For Class 55 Rating, Add	1,452.21	
40 05 19 00-0454 EA 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,217.91	804.39
For Class 52 Rating, Deduct	-989.90	
For Class 54 Rating, Add	674.93	
For Class 55 Rating, Add	1,500.15	
40 05 19 00-0455 EA 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,507.79	805.89
For Class 52 Rating, Deduct	-1,021.54	
For Class 54 Rating, Add	696.51	
For Class 55 Rating, Add	1,548.10	
40 05 19 00-0456 EA 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,797.68	807.39
For Class 52 Rating, Deduct	-1,053.18	
For Class 54 Rating, Add	718.08	
For Class 55 Rating, Add	1,596.05	
40 05 19 00-0457 EA 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,087.56	808.88
For Class 52 Rating, Deduct	-1,084.82	
For Class 54 Rating, Add	739.65	
For Class 55 Rating, Add	1,643.99	
40 05 19 00-0458 EA 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,377.44	810.38
For Class 52 Rating, Deduct	-1,116.45	
For Class 54 Rating, Add	761.22	
For Class 55 Rating, Add	1,691.94	
40 05 19 00-0459 EA 36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,667.32	811.87
For Class 52 Rating, Deduct	-1,148.09	
For Class 54 Rating, Add	782.79	
For Class 55 Rating, Add	1,739.88	
40 05 19 00-0460 EA 36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,957.20	813.37
For Class 52 Rating, Deduct	-1,179.73	
For Class 54 Rating, Add	804.36	
For Class 55 Rating, Add	1,787.83	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0461	EA 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,247.08	814.86
	For Class 52 Rating, Deduct	-1,211.37	
	For Class 54 Rating, Add	825.93	
	For Class 55 Rating, Add	1,835.77	
40 05 19 00-0462	EA 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,536.97	816.36
	For Class 52 Rating, Deduct	-1,243.01	
	For Class 54 Rating, Add	847.50	
	For Class 55 Rating, Add	1,883.72	
40 05 19 00-0463	EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,826.84	817.86
	For Class 52 Rating, Deduct	-1,274.64	
	For Class 54 Rating, Add	869.08	
	For Class 55 Rating, Add	1,931.66	
40 05 19 00-0464	EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,116.73	819.35
	For Class 52 Rating, Deduct	-1,306.28	
	For Class 54 Rating, Add	890.65	
	For Class 55 Rating, Add	1,979.61	
40 05 19 00-0465	EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,406.61	820.85
	For Class 52 Rating, Deduct	-1,337.92	
	For Class 54 Rating, Add	912.22	
	For Class 55 Rating, Add	2,027.56	
40 05 19 00-0466	EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,696.49	822.34
	For Class 52 Rating, Deduct	-1,369.56	
	For Class 54 Rating, Add	933.79	
	For Class 55 Rating, Add	2,075.50	
40 05 19 00-0467	EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,986.38	823.84
	For Class 52 Rating, Deduct	-1,401.20	
	For Class 54 Rating, Add	955.36	
	For Class 55 Rating, Add	2,123.45	
40 05 19 00-0468	EA 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,276.25	825.33
	For Class 52 Rating, Deduct	-1,432.83	
	For Class 54 Rating, Add	976.93	
	For Class 55 Rating, Add	2,171.39	
40 05 19 00-0469	EA 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,566.13	826.83
	For Class 52 Rating, Deduct	-1,464.47	
	For Class 54 Rating, Add	998.50	
	For Class 55 Rating, Add	2,219.34	
40 05 19 00-0470	EA 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,856.01	828.33
	For Class 52 Rating, Deduct	-1,496.11	
	For Class 54 Rating, Add	1,020.07	
	For Class 55 Rating, Add	2,267.28	
40 05 19 00-0471	EA 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,145.89	829.81
	For Class 52 Rating, Deduct	-1,527.75	
	For Class 54 Rating, Add	1,041.65	
	For Class 55 Rating, Add	2,315.23	
40 05 19 00-0472	EA 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,435.79	831.31
	For Class 52 Rating, Deduct	-1,559.38	
	For Class 54 Rating, Add	1,063.22	
	For Class 55 Rating, Add	2,363.18	
40 05 19 00-0473	EA 36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,725.66	832.80
	For Class 52 Rating, Deduct	-1,591.02	
	For Class 54 Rating, Add	1,084.79	
	For Class 55 Rating, Add	2,411.12	
40 05 19 00-0474	EA 36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,015.54	834.30
	For Class 52 Rating, Deduct	-1,622.66	
	For Class 54 Rating, Add	1,106.36	
	For Class 55 Rating, Add	2,459.07	
40 05 19 00-0475	EA 36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,305.42	835.79
	For Class 52 Rating, Deduct	-1,654.30	
	For Class 54 Rating, Add	1,127.93	
	For Class 55 Rating, Add	2,507.01	

40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0477	EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,356.81	983.82
	For Class 52 Rating, Deduct	-645.28	
	For Class 54 Rating, Add	439.96	
	For Class 55 Rating, Add	977.89	
40 05 19 00-0478	EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,788.78	985.32
	For Class 52 Rating, Deduct	-692.55	
	For Class 54 Rating, Add	472.19	
	For Class 55 Rating, Add	1,049.52	
40 05 19 00-0479	EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,215.62	986.81
	For Class 52 Rating, Deduct	-739.25	
	For Class 54 Rating, Add	504.03	
	For Class 55 Rating, Add	1,120.30	
40 05 19 00-0480	EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,646.74	988.31
	For Class 52 Rating, Deduct	-786.42	
	For Class 54 Rating, Add	536.20	
	For Class 55 Rating, Add	1,191.79	
40 05 19 00-0481	EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,073.58	989.80
	For Class 52 Rating, Deduct	-833.13	
	For Class 54 Rating, Add	568.04	
	For Class 55 Rating, Add	1,262.57	
40 05 19 00-0482	EA 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,505.56	991.30
	For Class 52 Rating, Deduct	-880.40	
	For Class 54 Rating, Add	600.27	
	For Class 55 Rating, Add	1,334.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0483 EA 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,931.55	992.78
For Class 52 Rating, Deduct	-927.01	
For Class 54 Rating, Add	632.05	
For Class 55 Rating, Add	1,404.83	
40 05 19 00-0484 EA 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,363.52	994.28
For Class 52 Rating, Deduct	-974.27	
For Class 54 Rating, Add	664.28	
For Class 55 Rating, Add	1,476.47	
40 05 19 00-0485 EA 42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,790.37	995.78
For Class 52 Rating, Deduct	-1,020.98	
For Class 54 Rating, Add	696.12	
For Class 55 Rating, Add	1,547.24	
40 05 19 00-0486 EA 42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,221.48	997.27
For Class 52 Rating, Deduct	-1,068.15	
For Class 54 Rating, Add	728.28	
For Class 55 Rating, Add	1,618.73	
40 05 19 00-0487 EA 42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,648.33	998.77
For Class 52 Rating, Deduct	-1,114.85	
For Class 54 Rating, Add	760.13	
For Class 55 Rating, Add	1,689.51	
40 05 19 00-0488 EA 42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,079.45	1,000.26
For Class 52 Rating, Deduct	-1,162.03	
For Class 54 Rating, Add	792.29	
For Class 55 Rating, Add	1,761.00	
40 05 19 00-0489 EA 42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,506.29	1,001.76
For Class 52 Rating, Deduct	-1,208.73	
For Class 54 Rating, Add	824.14	
For Class 55 Rating, Add	1,831.78	
40 05 19 00-0490 EA 42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,933.98	1,003.25
For Class 52 Rating, Deduct	-1,255.53	
For Class 54 Rating, Add	856.04	
For Class 55 Rating, Add	1,902.70	
40 05 19 00-0491 EA 42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,364.25	1,004.75
For Class 52 Rating, Deduct	-1,302.61	
For Class 54 Rating, Add	888.14	
For Class 55 Rating, Add	1,974.04	
40 05 19 00-0492 EA 42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,791.10	1,006.25
For Class 52 Rating, Deduct	-1,349.31	
For Class 54 Rating, Add	919.99	
For Class 55 Rating, Add	2,044.82	
40 05 19 00-0493 EA 42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,223.07	1,007.74
For Class 52 Rating, Deduct	-1,396.58	
For Class 54 Rating, Add	952.21	
For Class 55 Rating, Add	2,116.45	
40 05 19 00-0494 EA 42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,649.92	1,009.24
For Class 52 Rating, Deduct	-1,443.28	
For Class 54 Rating, Add	984.06	
For Class 55 Rating, Add	2,187.23	
40 05 19 00-0495 EA 42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,081.03	1,010.73
For Class 52 Rating, Deduct	-1,490.46	
For Class 54 Rating, Add	1,016.22	
For Class 55 Rating, Add	2,258.72	
40 05 19 00-0496 EA 42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,507.87	1,012.23
For Class 52 Rating, Deduct	-1,537.16	
For Class 54 Rating, Add	1,048.07	
For Class 55 Rating, Add	2,329.50	
40 05 19 00-0497 EA 42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,939.85	1,013.72
For Class 52 Rating, Deduct	-1,584.43	
For Class 54 Rating, Add	1,080.29	
For Class 55 Rating, Add	2,401.13	
40 05 19 00-0498 EA 42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,366.69	1,015.22
For Class 52 Rating, Deduct	-1,631.13	
For Class 54 Rating, Add	1,112.14	
For Class 55 Rating, Add	2,471.91	
40 05 19 00-0499 EA 42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,797.82	1,016.72
For Class 52 Rating, Deduct	-1,678.31	
For Class 54 Rating, Add	1,144.30	
For Class 55 Rating, Add	2,543.40	
40 05 19 00-0500 EA 42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,224.66	1,018.21
For Class 52 Rating, Deduct	-1,725.01	
For Class 54 Rating, Add	1,176.14	
For Class 55 Rating, Add	2,614.18	
40 05 19 00-0501 EA 42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,656.63	1,019.70
For Class 52 Rating, Deduct	-1,772.28	
For Class 54 Rating, Add	1,208.37	
For Class 55 Rating, Add	2,685.81	
40 05 19 00-0502 EA 42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,083.48	1,021.19
For Class 52 Rating, Deduct	-1,818.98	
For Class 54 Rating, Add	1,240.22	
For Class 55 Rating, Add	2,756.59	
40 05 19 00-0503 EA 42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,513.74	1,022.69
For Class 52 Rating, Deduct	-1,866.06	
For Class 54 Rating, Add	1,272.32	
For Class 55 Rating, Add	2,827.93	
40 05 19 00-0504 EA 42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,941.44	1,024.18
For Class 52 Rating, Deduct	-1,912.86	
For Class 54 Rating, Add	1,304.22	
For Class 55 Rating, Add	2,898.85	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0505 EA 42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,282.68	1,025.68
For Class 52 Rating, Deduct	-1,950.15	
For Class 54 Rating, Add	1,329.65	
For Class 55 Rating, Add	2,955.36	
40 05 19 00-0506 EA 42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,799.40	1,027.18
For Class 52 Rating, Deduct	-2,006.74	
For Class 54 Rating, Add	1,368.23	
For Class 55 Rating, Add	3,041.12	
40 05 19 00-0507 EA 42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,226.25	1,028.67
For Class 52 Rating, Deduct	-2,053.44	
For Class 54 Rating, Add	1,400.07	
For Class 55 Rating, Add	3,111.90	
40 05 19 00-0508 EA 42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,657.36	1,030.17
For Class 52 Rating, Deduct	-2,100.62	
For Class 54 Rating, Add	1,432.24	
For Class 55 Rating, Add	3,183.39	
40 05 19 00-0509 EA 42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,084.21	1,031.66
For Class 52 Rating, Deduct	-2,147.32	
For Class 54 Rating, Add	1,464.08	
For Class 55 Rating, Add	3,254.16	
40 05 19 00-0510 EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,516.18	1,033.16
For Class 52 Rating, Deduct	-2,194.59	
For Class 54 Rating, Add	1,496.31	
For Class 55 Rating, Add	3,325.80	
40 05 19 00-0511 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,942.17	1,034.65
For Class 52 Rating, Deduct	-2,241.20	
For Class 54 Rating, Add	1,528.09	
For Class 55 Rating, Add	3,396.43	
40 05 19 00-0512 EA 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,374.14	1,036.15
For Class 52 Rating, Deduct	-2,288.46	
For Class 54 Rating, Add	1,560.32	
For Class 55 Rating, Add	3,468.06	
40 05 19 00-0513 EA 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,800.98	1,037.65
For Class 52 Rating, Deduct	-2,335.17	
For Class 54 Rating, Add	1,592.16	
For Class 55 Rating, Add	3,538.84	
40 05 19 00-0514 EA 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,232.11	1,039.14
For Class 52 Rating, Deduct	-2,382.34	
For Class 54 Rating, Add	1,624.32	
For Class 55 Rating, Add	3,610.33	
40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0516 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,228.24	1,236.51
For Class 52 Rating, Deduct	-809.02	
For Class 54 Rating, Add	551.61	
For Class 55 Rating, Add	1,226.04	
40 05 19 00-0517 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,856.24	1,237.99
For Class 52 Rating, Deduct	-877.85	
For Class 54 Rating, Add	598.54	
For Class 55 Rating, Add	1,330.35	
40 05 19 00-0518 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,483.39	1,239.49
For Class 52 Rating, Deduct	-946.59	
For Class 54 Rating, Add	645.40	
For Class 55 Rating, Add	1,434.52	
40 05 19 00-0519 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,115.66	1,240.98
For Class 52 Rating, Deduct	-1,015.89	
For Class 54 Rating, Add	692.65	
For Class 55 Rating, Add	1,539.54	
40 05 19 00-0520 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,743.67	1,242.48
For Class 52 Rating, Deduct	-1,084.72	
For Class 54 Rating, Add	739.58	
For Class 55 Rating, Add	1,643.85	
40 05 19 00-0521 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,371.67	1,243.97
For Class 52 Rating, Deduct	-1,153.55	
For Class 54 Rating, Add	786.51	
For Class 55 Rating, Add	1,748.16	
40 05 19 00-0522 EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,003.10	1,245.47
For Class 52 Rating, Deduct	-1,222.76	
For Class 54 Rating, Add	833.70	
For Class 55 Rating, Add	1,853.04	
40 05 19 00-0523 EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,631.95	1,246.97
For Class 52 Rating, Deduct	-1,291.69	
For Class 54 Rating, Add	880.70	
For Class 55 Rating, Add	1,957.49	
40 05 19 00-0524 EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,259.10	1,248.46
For Class 52 Rating, Deduct	-1,360.42	
For Class 54 Rating, Add	927.56	
For Class 55 Rating, Add	2,061.66	
40 05 19 00-0525 EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,891.38	1,249.96
For Class 52 Rating, Deduct	-1,429.73	
For Class 54 Rating, Add	974.81	
For Class 55 Rating, Add	2,166.68	
40 05 19 00-0526 EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,519.38	1,251.45
For Class 52 Rating, Deduct	-1,498.56	
For Class 54 Rating, Add	1,021.74	
For Class 55 Rating, Add	2,270.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0527 EA 48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,151.67	1,252.95
For Class 52 Rating, Deduct	-1,567.86	
For Class 54 Rating, Add	1,068.99	
For Class 55 Rating, Add	2,376.02	
40 05 19 00-0528 EA 48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,778.81	1,254.44
For Class 52 Rating, Deduct	-1,636.60	
For Class 54 Rating, Add	1,115.86	
For Class 55 Rating, Add	2,480.19	
40 05 19 00-0529 EA 48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,406.80	1,255.94
For Class 52 Rating, Deduct	-1,705.43	
For Class 54 Rating, Add	1,162.79	
For Class 55 Rating, Add	2,584.50	
40 05 19 00-0530 EA 48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,039.09	1,257.44
For Class 52 Rating, Deduct	-1,774.73	
For Class 54 Rating, Add	1,210.04	
For Class 55 Rating, Add	2,689.52	
40 05 19 00-0531 EA 48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,667.08	1,258.93
For Class 52 Rating, Deduct	-1,843.56	
For Class 54 Rating, Add	1,256.97	
For Class 55 Rating, Add	2,793.83	
40 05 19 00-0532 EA 48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,294.24	1,260.43
For Class 52 Rating, Deduct	-1,912.30	
For Class 54 Rating, Add	1,303.84	
For Class 55 Rating, Add	2,898.00	
40 05 19 00-0533 EA 48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,926.52	1,261.92
For Class 52 Rating, Deduct	-1,981.60	
For Class 54 Rating, Add	1,351.09	
For Class 55 Rating, Add	3,003.02	
40 05 19 00-0534 EA 48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,554.52	1,263.42
For Class 52 Rating, Deduct	-2,050.43	
For Class 54 Rating, Add	1,398.02	
For Class 55 Rating, Add	3,107.33	
40 05 19 00-0535 EA 48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,181.67	1,264.90
For Class 52 Rating, Deduct	-2,119.17	
For Class 54 Rating, Add	1,444.89	
For Class 55 Rating, Add	3,211.50	
40 05 19 00-0536 EA 48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,813.94	1,266.40
For Class 52 Rating, Deduct	-2,188.47	
For Class 54 Rating, Add	1,492.14	
For Class 55 Rating, Add	3,316.52	
40 05 19 00-0537 EA 48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,442.80	1,267.90
For Class 52 Rating, Deduct	-2,257.39	
For Class 54 Rating, Add	1,539.13	
For Class 55 Rating, Add	3,420.97	
40 05 19 00-0538 EA 48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,069.94	1,269.39
For Class 52 Rating, Deduct	-2,326.13	
For Class 54 Rating, Add	1,586.00	
For Class 55 Rating, Add	3,525.14	
40 05 19 00-0539 EA 48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,702.23	1,270.89
For Class 52 Rating, Deduct	-2,395.43	
For Class 54 Rating, Add	1,633.25	
For Class 55 Rating, Add	3,630.17	
40 05 19 00-0540 EA 48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,330.24	1,272.38
For Class 52 Rating, Deduct	-2,464.26	
For Class 54 Rating, Add	1,680.18	
For Class 55 Rating, Add	3,734.48	
40 05 19 00-0541 EA 48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,957.38	1,273.88
For Class 52 Rating, Deduct	-2,533.00	
For Class 54 Rating, Add	1,727.04	
For Class 55 Rating, Add	3,838.64	
40 05 19 00-0542 EA 48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,589.66	1,275.37
For Class 52 Rating, Deduct	-2,602.30	
For Class 54 Rating, Add	1,774.30	
For Class 55 Rating, Add	3,943.67	
40 05 19 00-0543 EA 48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,217.66	1,276.87
For Class 52 Rating, Deduct	-2,671.13	
For Class 54 Rating, Add	1,821.23	
For Class 55 Rating, Add	4,047.98	
40 05 19 00-0544 EA 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,768.62	1,278.37
For Class 52 Rating, Deduct	-2,731.49	
For Class 54 Rating, Add	1,862.38	
For Class 55 Rating, Add	4,139.44	
40 05 19 00-0545 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,477.94	1,279.86
For Class 52 Rating, Deduct	-2,809.26	
For Class 54 Rating, Add	1,915.41	
For Class 55 Rating, Add	4,257.31	
40 05 19 00-0546 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,105.08	1,281.36
For Class 52 Rating, Deduct	-2,878.00	
For Class 54 Rating, Add	1,962.27	
For Class 55 Rating, Add	4,361.48	
40 05 19 00-0547 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,738.22	1,282.85
For Class 52 Rating, Deduct	-2,947.40	
For Class 54 Rating, Add	2,009.59	
For Class 55 Rating, Add	4,466.64	
40 05 19 00-0548 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,365.37	1,284.35
For Class 52 Rating, Deduct	-3,016.13	
For Class 54 Rating, Add	2,056.45	
For Class 55 Rating, Add	4,570.81	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0549	EA		48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,992.52	1,285.84
			<i>For Class 52 Rating, Deduct</i>	-3,084.87	
			<i>For Class 54 Rating, Add</i>	2,103.32	
			<i>For Class 55 Rating, Add</i>	4,674.98	
40 05 19 00-0550	EA		48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,625.65	1,287.34
			<i>For Class 52 Rating, Deduct</i>	-3,154.27	
			<i>For Class 54 Rating, Add</i>	2,150.64	
			<i>For Class 55 Rating, Add</i>	4,780.15	
40 05 19 00-0551	EA		48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,252.79	1,288.84
			<i>For Class 52 Rating, Deduct</i>	-3,223.00	
			<i>For Class 54 Rating, Add</i>	2,197.50	
			<i>For Class 55 Rating, Add</i>	4,884.31	
40 05 19 00-0552	EA		48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,880.80	1,290.33
			<i>For Class 52 Rating, Deduct</i>	-3,291.83	
			<i>For Class 54 Rating, Add</i>	2,244.43	
			<i>For Class 55 Rating, Add</i>	4,988.62	
40 05 19 00-0553	EA		48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,513.08	1,291.82
			<i>For Class 52 Rating, Deduct</i>	-3,361.14	
			<i>For Class 54 Rating, Add</i>	2,291.68	
			<i>For Class 55 Rating, Add</i>	5,093.65	
40 05 19 00-0554			Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-0555			4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556	EA		4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	249.19	68.42
			<i>For Class 52 Rating, Deduct</i>	-16.01	
			<i>For Class 54 Rating, Add</i>	10.91	
			<i>For Class 55 Rating, Add</i>	24.26	
40 05 19 00-0557	EA		4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	273.26	69.61
			<i>For Class 52 Rating, Deduct</i>	-18.46	
			<i>For Class 54 Rating, Add</i>	12.58	
			<i>For Class 55 Rating, Add</i>	27.97	
40 05 19 00-0558	EA		4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	297.32	70.81
			<i>For Class 52 Rating, Deduct</i>	-20.90	
			<i>For Class 54 Rating, Add</i>	14.25	
			<i>For Class 55 Rating, Add</i>	31.68	
40 05 19 00-0559	EA		4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	321.40	72.01
			<i>For Class 52 Rating, Deduct</i>	-23.35	
			<i>For Class 54 Rating, Add</i>	15.92	
			<i>For Class 55 Rating, Add</i>	35.39	
40 05 19 00-0560	EA		4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	345.45	73.21
			<i>For Class 52 Rating, Deduct</i>	-25.80	
			<i>For Class 54 Rating, Add</i>	17.59	
			<i>For Class 55 Rating, Add</i>	39.10	
40 05 19 00-0561	EA		4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	369.52	74.40
			<i>For Class 52 Rating, Deduct</i>	-28.25	
			<i>For Class 54 Rating, Add</i>	19.26	
			<i>For Class 55 Rating, Add</i>	42.81	
40 05 19 00-0562	EA		4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	393.60	75.60
			<i>For Class 52 Rating, Deduct</i>	-30.70	
			<i>For Class 54 Rating, Add</i>	20.93	
			<i>For Class 55 Rating, Add</i>	46.52	
40 05 19 00-0563	EA		4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	417.66	76.79
			<i>For Class 52 Rating, Deduct</i>	-33.14	
			<i>For Class 54 Rating, Add</i>	22.60	
			<i>For Class 55 Rating, Add</i>	50.23	
40 05 19 00-0564	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	441.73	77.98
			<i>For Class 52 Rating, Deduct</i>	-35.59	
			<i>For Class 54 Rating, Add</i>	24.27	
			<i>For Class 55 Rating, Add</i>	53.94	
40 05 19 00-0565	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	465.80	79.19
			<i>For Class 52 Rating, Deduct</i>	-38.04	
			<i>For Class 54 Rating, Add</i>	25.94	
			<i>For Class 55 Rating, Add</i>	57.65	
40 05 19 00-0566	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	489.87	80.38
			<i>For Class 52 Rating, Deduct</i>	-40.49	
			<i>For Class 54 Rating, Add</i>	27.61	
			<i>For Class 55 Rating, Add</i>	61.36	
40 05 19 00-0567	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	513.94	81.58
			<i>For Class 52 Rating, Deduct</i>	-42.94	
			<i>For Class 54 Rating, Add</i>	29.28	
			<i>For Class 55 Rating, Add</i>	65.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0568	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	538.01	82.77
			For Class 52 Rating, Deduct	-45.38	
			For Class 54 Rating, Add	30.94	
			For Class 55 Rating, Add	68.78	
40 05 19 00-0569	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	562.08	83.97
			For Class 52 Rating, Deduct	-47.83	
			For Class 54 Rating, Add	32.61	
			For Class 55 Rating, Add	72.49	
40 05 19 00-0570	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	586.14	85.16
			For Class 52 Rating, Deduct	-50.28	
			For Class 54 Rating, Add	34.28	
			For Class 55 Rating, Add	76.20	
40 05 19 00-0571	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	610.21	86.36
			For Class 52 Rating, Deduct	-52.73	
			For Class 54 Rating, Add	35.95	
			For Class 55 Rating, Add	79.91	
40 05 19 00-0572	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	634.28	87.56
			For Class 52 Rating, Deduct	-55.18	
			For Class 54 Rating, Add	37.62	
			For Class 55 Rating, Add	83.62	
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	658.34	88.76
			For Class 52 Rating, Deduct	-57.63	
			For Class 54 Rating, Add	39.29	
			For Class 55 Rating, Add	87.33	
40 05 19 00-0574	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	682.42	89.95
			For Class 52 Rating, Deduct	-60.07	
			For Class 54 Rating, Add	40.96	
			For Class 55 Rating, Add	91.04	
40 05 19 00-0575	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	706.48	91.15
			For Class 52 Rating, Deduct	-62.52	
			For Class 54 Rating, Add	42.63	
			For Class 55 Rating, Add	94.75	
40 05 19 00-0576	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	730.55	92.34
			For Class 52 Rating, Deduct	-64.97	
			For Class 54 Rating, Add	44.30	
			For Class 55 Rating, Add	98.46	
40 05 19 00-0577	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	754.63	93.53
			For Class 52 Rating, Deduct	-67.42	
			For Class 54 Rating, Add	45.97	
			For Class 55 Rating, Add	102.17	
40 05 19 00-0578	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	778.69	94.74
			For Class 52 Rating, Deduct	-69.87	
			For Class 54 Rating, Add	47.64	
			For Class 55 Rating, Add	105.88	
40 05 19 00-0579	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	802.76	95.93
			For Class 52 Rating, Deduct	-72.32	
			For Class 54 Rating, Add	49.31	
			For Class 55 Rating, Add	109.59	
40 05 19 00-0580	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	826.83	97.13
			For Class 52 Rating, Deduct	-74.76	
			For Class 54 Rating, Add	50.97	
			For Class 55 Rating, Add	113.30	
40 05 19 00-0581	EA		4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	850.89	98.32
			For Class 52 Rating, Deduct	-77.21	
			For Class 54 Rating, Add	52.64	
			For Class 55 Rating, Add	117.01	
40 05 19 00-0582	EA		4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	874.96	99.52
			For Class 52 Rating, Deduct	-79.66	
			For Class 54 Rating, Add	54.31	
			For Class 55 Rating, Add	120.72	
40 05 19 00-0583	EA		4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	899.02	100.71
			For Class 52 Rating, Deduct	-82.11	
			For Class 54 Rating, Add	55.98	
			For Class 55 Rating, Add	124.43	
40 05 19 00-0584	EA		4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	923.10	101.91
			For Class 52 Rating, Deduct	-84.56	
			For Class 54 Rating, Add	57.65	
			For Class 55 Rating, Add	128.14	
40 05 19 00-0585	EA		4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	947.16	103.11
			For Class 52 Rating, Deduct	-87.00	
			For Class 54 Rating, Add	59.32	
			For Class 55 Rating, Add	131.85	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0586	EA		4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	971.23	104.31
			<i>For Class 52 Rating, Deduct</i>	-89.45	
			<i>For Class 54 Rating, Add</i>	60.99	
			<i>For Class 55 Rating, Add</i>	135.56	
40 05 19 00-0587	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	995.31	105.50
			<i>For Class 52 Rating, Deduct</i>	-91.90	
			<i>For Class 54 Rating, Add</i>	62.66	
			<i>For Class 55 Rating, Add</i>	139.27	
40 05 19 00-0588	EA		4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,019.37	106.69
			<i>For Class 52 Rating, Deduct</i>	-94.35	
			<i>For Class 54 Rating, Add</i>	64.33	
			<i>For Class 55 Rating, Add</i>	142.98	
40 05 19 00-0589	EA		4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,043.44	107.89
			<i>For Class 52 Rating, Deduct</i>	-96.80	
			<i>For Class 54 Rating, Add</i>	66.00	
			<i>For Class 55 Rating, Add</i>	146.69	
40 05 19 00-0590	EA		4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,067.51	109.08
			<i>For Class 52 Rating, Deduct</i>	-99.24	
			<i>For Class 54 Rating, Add</i>	67.67	
			<i>For Class 55 Rating, Add</i>	150.40	
40 05 19 00-0591	EA		4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,091.57	110.29
			<i>For Class 52 Rating, Deduct</i>	-101.69	
			<i>For Class 54 Rating, Add</i>	69.34	
			<i>For Class 55 Rating, Add</i>	154.11	
40 05 19 00-0592	EA		4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,115.64	111.48
			<i>For Class 52 Rating, Deduct</i>	-104.14	
			<i>For Class 54 Rating, Add</i>	71.01	
			<i>For Class 55 Rating, Add</i>	157.82	
40 05 19 00-0593	EA		4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,139.71	112.68
			<i>For Class 52 Rating, Deduct</i>	-106.59	
			<i>For Class 54 Rating, Add</i>	72.67	
			<i>For Class 55 Rating, Add</i>	161.53	
40 05 19 00-0594	EA		4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,163.78	113.87
			<i>For Class 52 Rating, Deduct</i>	-109.04	
			<i>For Class 54 Rating, Add</i>	74.34	
			<i>For Class 55 Rating, Add</i>	165.24	
40 05 19 00-0595			6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0596	EA		6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	311.11	86.12
			<i>For Class 52 Rating, Deduct</i>	-19.87	
			<i>For Class 54 Rating, Add</i>	13.55	
			<i>For Class 55 Rating, Add</i>	30.11	
40 05 19 00-0597	EA		6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	340.31	87.31
			<i>For Class 52 Rating, Deduct</i>	-22.88	
			<i>For Class 54 Rating, Add</i>	15.60	
			<i>For Class 55 Rating, Add</i>	34.68	
40 05 19 00-0598	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	369.51	88.52
			<i>For Class 52 Rating, Deduct</i>	-25.89	
			<i>For Class 54 Rating, Add</i>	17.66	
			<i>For Class 55 Rating, Add</i>	39.24	
40 05 19 00-0599	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	398.72	89.71
			<i>For Class 52 Rating, Deduct</i>	-28.91	
			<i>For Class 54 Rating, Add</i>	19.71	
			<i>For Class 55 Rating, Add</i>	43.81	
40 05 19 00-0600	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	427.92	90.91
			<i>For Class 52 Rating, Deduct</i>	-31.92	
			<i>For Class 54 Rating, Add</i>	21.76	
			<i>For Class 55 Rating, Add</i>	48.37	
40 05 19 00-0601	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	457.13	92.10
			<i>For Class 52 Rating, Deduct</i>	-34.93	
			<i>For Class 54 Rating, Add</i>	23.82	
			<i>For Class 55 Rating, Add</i>	52.94	
40 05 19 00-0602	EA		6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	486.33	93.30
			<i>For Class 52 Rating, Deduct</i>	-37.95	
			<i>For Class 54 Rating, Add</i>	25.87	
			<i>For Class 55 Rating, Add</i>	57.51	
40 05 19 00-0603	EA		6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	515.53	94.49
			<i>For Class 52 Rating, Deduct</i>	-40.96	
			<i>For Class 54 Rating, Add</i>	27.93	
			<i>For Class 55 Rating, Add</i>	62.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0604 EA 6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	544.73 -43.97 29.98 66.64	95.69
40 05 19 00-0605 EA 6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	573.94 -46.99 32.04 71.20	96.89
40 05 19 00-0606 EA 6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	603.15 -50.00 34.09 75.77	98.08
40 05 19 00-0607 EA 6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	632.35 -53.01 36.14 80.34	99.28
40 05 19 00-0608 EA 6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	661.56 -56.03 38.20 84.90	100.47
40 05 19 00-0609 EA 6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	690.76 -59.04 40.25 89.47	101.67
40 05 19 00-0610 EA 6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	719.96 -62.05 42.31 94.04	102.86
40 05 19 00-0611 EA 6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	749.18 -65.07 44.36 98.60	104.07
40 05 19 00-0612 EA 6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	778.37 -68.08 46.42 103.17	105.26
40 05 19 00-0613 EA 6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	807.57 -71.09 48.47 107.73	106.46
40 05 19 00-0614 EA 6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	836.78 -74.10 50.53 112.30	107.65
40 05 19 00-0615 EA 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	865.98 -77.12 52.58 116.87	108.85
40 05 19 00-0616 EA 6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	895.19 -80.13 54.63 121.43	110.04
40 05 19 00-0617 EA 6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	924.40 -83.14 56.69 126.00	111.25
40 05 19 00-0618 EA 6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	953.60 -86.16 58.74 130.57	112.44
40 05 19 00-0619 EA 6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	982.80 -89.17 60.80 135.13	113.63
40 05 19 00-0620 EA 6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,012.01 -92.18 62.85 139.70	114.83
40 05 19 00-0621 EA 6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,041.22 -95.20 64.91 144.27	116.02

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0622	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,070.41	117.22
			<i>For Class 52 Rating, Deduct</i>	-98.21	
			<i>For Class 54 Rating, Add</i>	66.96	
			<i>For Class 55 Rating, Add</i>	148.83	
40 05 19 00-0623	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,099.62	118.41
			<i>For Class 52 Rating, Deduct</i>	-101.22	
			<i>For Class 54 Rating, Add</i>	69.02	
			<i>For Class 55 Rating, Add</i>	153.40	
40 05 19 00-0624	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,128.82	119.62
			<i>For Class 52 Rating, Deduct</i>	-104.23	
			<i>For Class 54 Rating, Add</i>	71.07	
			<i>For Class 55 Rating, Add</i>	157.96	
40 05 19 00-0625	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,158.02	120.81
			<i>For Class 52 Rating, Deduct</i>	-107.25	
			<i>For Class 54 Rating, Add</i>	73.12	
			<i>For Class 55 Rating, Add</i>	162.53	
40 05 19 00-0626	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,187.24	122.01
			<i>For Class 52 Rating, Deduct</i>	-110.26	
			<i>For Class 54 Rating, Add</i>	75.18	
			<i>For Class 55 Rating, Add</i>	167.10	
40 05 19 00-0627	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,216.44	123.20
			<i>For Class 52 Rating, Deduct</i>	-113.27	
			<i>For Class 54 Rating, Add</i>	77.23	
			<i>For Class 55 Rating, Add</i>	171.66	
40 05 19 00-0628	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,245.64	124.40
			<i>For Class 52 Rating, Deduct</i>	-116.29	
			<i>For Class 54 Rating, Add</i>	79.29	
			<i>For Class 55 Rating, Add</i>	176.23	
40 05 19 00-0629	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,274.85	125.59
			<i>For Class 52 Rating, Deduct</i>	-119.30	
			<i>For Class 54 Rating, Add</i>	81.34	
			<i>For Class 55 Rating, Add</i>	180.79	
40 05 19 00-0630	EA		6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,304.05	126.79
			<i>For Class 52 Rating, Deduct</i>	-122.31	
			<i>For Class 54 Rating, Add</i>	83.40	
			<i>For Class 55 Rating, Add</i>	185.36	
40 05 19 00-0631	EA		6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,333.26	127.99
			<i>For Class 52 Rating, Deduct</i>	-125.33	
			<i>For Class 54 Rating, Add</i>	85.45	
			<i>For Class 55 Rating, Add</i>	189.93	
40 05 19 00-0632	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,362.47	129.18
			<i>For Class 52 Rating, Deduct</i>	-128.34	
			<i>For Class 54 Rating, Add</i>	87.50	
			<i>For Class 55 Rating, Add</i>	194.49	
40 05 19 00-0633	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,391.66	130.38
			<i>For Class 52 Rating, Deduct</i>	-131.35	
			<i>For Class 54 Rating, Add</i>	89.56	
			<i>For Class 55 Rating, Add</i>	199.06	
40 05 19 00-0634	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,420.86	131.57
			<i>For Class 52 Rating, Deduct</i>	-134.37	
			<i>For Class 54 Rating, Add</i>	91.61	
			<i>For Class 55 Rating, Add</i>	203.63	
40 05 19 00-0635			8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0636	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	430.38	110.04
			<i>For Class 52 Rating, Deduct</i>	-29.00	
			<i>For Class 54 Rating, Add</i>	19.77	
			<i>For Class 55 Rating, Add</i>	43.95	
40 05 19 00-0637	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	469.86	111.25
			<i>For Class 52 Rating, Deduct</i>	-33.14	
			<i>For Class 54 Rating, Add</i>	22.60	
			<i>For Class 55 Rating, Add</i>	50.23	
40 05 19 00-0638	EA		8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	509.34	112.44
			<i>For Class 52 Rating, Deduct</i>	-37.29	
			<i>For Class 54 Rating, Add</i>	25.42	
			<i>For Class 55 Rating, Add</i>	56.51	
40 05 19 00-0639	EA		8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	548.81	113.63
			<i>For Class 52 Rating, Deduct</i>	-41.43	
			<i>For Class 54 Rating, Add</i>	28.25	
			<i>For Class 55 Rating, Add</i>	62.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0640	EA		8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	588.29	114.83
			For Class 52 Rating, Deduct	-45.57	
			For Class 54 Rating, Add	31.07	
			For Class 55 Rating, Add	69.06	
40 05 19 00-0641	EA		8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	627.77	116.02
			For Class 52 Rating, Deduct	-49.72	
			For Class 54 Rating, Add	33.90	
			For Class 55 Rating, Add	75.34	
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	667.23	117.22
			For Class 52 Rating, Deduct	-53.86	
			For Class 54 Rating, Add	36.72	
			For Class 55 Rating, Add	81.62	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	706.72	118.41
			For Class 52 Rating, Deduct	-58.00	
			For Class 54 Rating, Add	39.55	
			For Class 55 Rating, Add	87.90	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	746.19	119.62
			For Class 52 Rating, Deduct	-62.15	
			For Class 54 Rating, Add	42.37	
			For Class 55 Rating, Add	94.18	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	785.66	120.81
			For Class 52 Rating, Deduct	-66.29	
			For Class 54 Rating, Add	45.20	
			For Class 55 Rating, Add	100.46	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	825.15	122.01
			For Class 52 Rating, Deduct	-70.43	
			For Class 54 Rating, Add	48.02	
			For Class 55 Rating, Add	106.74	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	864.62	123.20
			For Class 52 Rating, Deduct	-74.57	
			For Class 54 Rating, Add	50.85	
			For Class 55 Rating, Add	113.01	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	904.10	124.40
			For Class 52 Rating, Deduct	-78.72	
			For Class 54 Rating, Add	53.67	
			For Class 55 Rating, Add	119.29	
40 05 19 00-0649	EA		8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	943.58	125.59
			For Class 52 Rating, Deduct	-82.86	
			For Class 54 Rating, Add	56.50	
			For Class 55 Rating, Add	125.57	
40 05 19 00-0650	EA		8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	983.05	126.79
			For Class 52 Rating, Deduct	-87.00	
			For Class 54 Rating, Add	59.32	
			For Class 55 Rating, Add	131.85	
40 05 19 00-0651	EA		8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,022.53	127.99
			For Class 52 Rating, Deduct	-91.15	
			For Class 54 Rating, Add	62.15	
			For Class 55 Rating, Add	138.13	
40 05 19 00-0652	EA		8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,062.01	129.18
			For Class 52 Rating, Deduct	-95.29	
			For Class 54 Rating, Add	64.97	
			For Class 55 Rating, Add	144.41	
40 05 19 00-0653	EA		8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,101.48	130.38
			For Class 52 Rating, Deduct	-99.43	
			For Class 54 Rating, Add	67.80	
			For Class 55 Rating, Add	150.69	
40 05 19 00-0654	EA		8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,140.95	131.57
			For Class 52 Rating, Deduct	-103.58	
			For Class 54 Rating, Add	70.62	
			For Class 55 Rating, Add	156.96	
40 05 19 00-0655	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,180.43	132.77
			For Class 52 Rating, Deduct	-107.72	
			For Class 54 Rating, Add	73.44	
			For Class 55 Rating, Add	163.24	
40 05 19 00-0656	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,219.91	133.96
			For Class 52 Rating, Deduct	-111.86	
			For Class 54 Rating, Add	76.27	
			For Class 55 Rating, Add	169.52	
40 05 19 00-0657	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,259.38	135.17
			For Class 52 Rating, Deduct	-116.00	
			For Class 54 Rating, Add	79.09	
			For Class 55 Rating, Add	175.80	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,298.87	136.36
		<i>For Class 52 Rating, Deduct</i>	-120.15	
		<i>For Class 54 Rating, Add</i>	81.92	
		<i>For Class 55 Rating, Add</i>	182.08	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,338.34	137.56
		<i>For Class 52 Rating, Deduct</i>	-124.29	
		<i>For Class 54 Rating, Add</i>	84.74	
		<i>For Class 55 Rating, Add</i>	188.36	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,377.81	138.75
		<i>For Class 52 Rating, Deduct</i>	-128.43	
		<i>For Class 54 Rating, Add</i>	87.57	
		<i>For Class 55 Rating, Add</i>	194.64	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,417.29	139.94
		<i>For Class 52 Rating, Deduct</i>	-132.58	
		<i>For Class 54 Rating, Add</i>	90.39	
		<i>For Class 55 Rating, Add</i>	200.92	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,456.77	141.14
		<i>For Class 52 Rating, Deduct</i>	-136.72	
		<i>For Class 54 Rating, Add</i>	93.22	
		<i>For Class 55 Rating, Add</i>	207.19	
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,496.24	142.34
		<i>For Class 52 Rating, Deduct</i>	-140.86	
		<i>For Class 54 Rating, Add</i>	96.04	
		<i>For Class 55 Rating, Add</i>	213.47	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,535.71	143.54
		<i>For Class 52 Rating, Deduct</i>	-145.01	
		<i>For Class 54 Rating, Add</i>	98.87	
		<i>For Class 55 Rating, Add</i>	219.75	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,575.19	144.73
		<i>For Class 52 Rating, Deduct</i>	-149.15	
		<i>For Class 54 Rating, Add</i>	101.69	
		<i>For Class 55 Rating, Add</i>	226.03	
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,614.67	145.93
		<i>For Class 52 Rating, Deduct</i>	-153.29	
		<i>For Class 54 Rating, Add</i>	104.52	
		<i>For Class 55 Rating, Add</i>	232.31	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,654.14	147.12
		<i>For Class 52 Rating, Deduct</i>	-157.44	
		<i>For Class 54 Rating, Add</i>	107.34	
		<i>For Class 55 Rating, Add</i>	238.59	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,693.63	148.32
		<i>For Class 52 Rating, Deduct</i>	-161.58	
		<i>For Class 54 Rating, Add</i>	110.17	
		<i>For Class 55 Rating, Add</i>	244.87	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,733.10	149.51
		<i>For Class 52 Rating, Deduct</i>	-165.72	
		<i>For Class 54 Rating, Add</i>	112.99	
		<i>For Class 55 Rating, Add</i>	251.14	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,772.57	150.72
		<i>For Class 52 Rating, Deduct</i>	-169.86	
		<i>For Class 54 Rating, Add</i>	115.82	
		<i>For Class 55 Rating, Add</i>	257.42	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,812.06	151.91
		<i>For Class 52 Rating, Deduct</i>	-174.01	
		<i>For Class 54 Rating, Add</i>	118.64	
		<i>For Class 55 Rating, Add</i>	263.70	
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,851.53	153.11
		<i>For Class 52 Rating, Deduct</i>	-178.15	
		<i>For Class 54 Rating, Add</i>	121.47	
		<i>For Class 55 Rating, Add</i>	269.98	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,891.00	154.30
		<i>For Class 52 Rating, Deduct</i>	-182.29	
		<i>For Class 54 Rating, Add</i>	124.29	
		<i>For Class 55 Rating, Add</i>	276.26	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,930.48	155.49
		<i>For Class 52 Rating, Deduct</i>	-186.44	
		<i>For Class 54 Rating, Add</i>	127.12	
		<i>For Class 55 Rating, Add</i>	282.54	

40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined,
Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0676	EA		10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	540.24	133.96
			For Class 52 Rating, Deduct	-37.10	
			For Class 54 Rating, Add	25.29	
			For Class 55 Rating, Add	56.22	
40 05 19 00-0677	EA		10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	591.70	135.17
			For Class 52 Rating, Deduct	-42.56	
			For Class 54 Rating, Add	29.02	
			For Class 55 Rating, Add	64.50	
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	643.17	136.36
			For Class 52 Rating, Deduct	-48.02	
			For Class 54 Rating, Add	32.74	
			For Class 55 Rating, Add	72.77	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	694.63	137.56
			For Class 52 Rating, Deduct	-53.48	
			For Class 54 Rating, Add	36.47	
			For Class 55 Rating, Add	81.05	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	746.09	138.75
			For Class 52 Rating, Deduct	-58.94	
			For Class 54 Rating, Add	40.19	
			For Class 55 Rating, Add	89.33	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	797.54	139.94
			For Class 52 Rating, Deduct	-64.41	
			For Class 54 Rating, Add	43.91	
			For Class 55 Rating, Add	97.60	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	849.01	141.14
			For Class 52 Rating, Deduct	-69.87	
			For Class 54 Rating, Add	47.64	
			For Class 55 Rating, Add	105.88	
40 05 19 00-0683	EA		10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	900.46	142.34
			For Class 52 Rating, Deduct	-75.33	
			For Class 54 Rating, Add	51.36	
			For Class 55 Rating, Add	114.16	
40 05 19 00-0684	EA		10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	951.92	143.54
			For Class 52 Rating, Deduct	-80.79	
			For Class 54 Rating, Add	55.08	
			For Class 55 Rating, Add	122.43	
40 05 19 00-0685	EA		10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,003.39	144.73
			For Class 52 Rating, Deduct	-86.25	
			For Class 54 Rating, Add	58.81	
			For Class 55 Rating, Add	130.71	
40 05 19 00-0686	EA		10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,054.84	145.93
			For Class 52 Rating, Deduct	-91.71	
			For Class 54 Rating, Add	62.53	
			For Class 55 Rating, Add	138.98	
40 05 19 00-0687	EA		10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,106.30	147.12
			For Class 52 Rating, Deduct	-97.17	
			For Class 54 Rating, Add	66.25	
			For Class 55 Rating, Add	147.26	
40 05 19 00-0688	EA		10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,157.77	148.32
			For Class 52 Rating, Deduct	-102.63	
			For Class 54 Rating, Add	69.98	
			For Class 55 Rating, Add	155.54	
40 05 19 00-0689	EA		10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,209.23	149.51
			For Class 52 Rating, Deduct	-108.10	
			For Class 54 Rating, Add	73.70	
			For Class 55 Rating, Add	163.81	
40 05 19 00-0690	EA		10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,260.69	150.72
			For Class 52 Rating, Deduct	-113.56	
			For Class 54 Rating, Add	77.43	
			For Class 55 Rating, Add	172.09	
40 05 19 00-0691	EA		10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,312.15	151.91
			For Class 52 Rating, Deduct	-119.02	
			For Class 54 Rating, Add	81.15	
			For Class 55 Rating, Add	180.37	
40 05 19 00-0692	EA		10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,363.61	153.11
			For Class 52 Rating, Deduct	-124.48	
			For Class 54 Rating, Add	84.87	
			For Class 55 Rating, Add	188.64	
40 05 19 00-0693	EA		10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,415.06	154.30
			For Class 52 Rating, Deduct	-129.94	
			For Class 54 Rating, Add	88.60	
			For Class 55 Rating, Add	196.92	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0694	EA		10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,466.53	155.49
			<i>For Class 52 Rating, Deduct</i>	-135.40	
			<i>For Class 54 Rating, Add</i>	92.32	
			<i>For Class 55 Rating, Add</i>	205.20	
40 05 19 00-0695	EA		10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,517.99	156.69
			<i>For Class 52 Rating, Deduct</i>	-140.86	
			<i>For Class 54 Rating, Add</i>	96.04	
			<i>For Class 55 Rating, Add</i>	213.47	
40 05 19 00-0696	EA		10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,569.44	157.89
			<i>For Class 52 Rating, Deduct</i>	-146.32	
			<i>For Class 54 Rating, Add</i>	99.77	
			<i>For Class 55 Rating, Add</i>	221.75	
40 05 19 00-0697	EA		10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,620.91	159.09
			<i>For Class 52 Rating, Deduct</i>	-151.79	
			<i>For Class 54 Rating, Add</i>	103.49	
			<i>For Class 55 Rating, Add</i>	230.02	
40 05 19 00-0698	EA		10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,672.37	160.28
			<i>For Class 52 Rating, Deduct</i>	-157.25	
			<i>For Class 54 Rating, Add</i>	107.21	
			<i>For Class 55 Rating, Add</i>	238.30	
40 05 19 00-0699	EA		10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,723.83	161.48
			<i>For Class 52 Rating, Deduct</i>	-162.71	
			<i>For Class 54 Rating, Add</i>	110.94	
			<i>For Class 55 Rating, Add</i>	246.58	
40 05 19 00-0700	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,775.30	162.67
			<i>For Class 52 Rating, Deduct</i>	-168.17	
			<i>For Class 54 Rating, Add</i>	114.66	
			<i>For Class 55 Rating, Add</i>	254.85	
40 05 19 00-0701	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,826.75	163.87
			<i>For Class 52 Rating, Deduct</i>	-173.63	
			<i>For Class 54 Rating, Add</i>	118.38	
			<i>For Class 55 Rating, Add</i>	263.13	
40 05 19 00-0702	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,878.21	165.07
			<i>For Class 52 Rating, Deduct</i>	-179.09	
			<i>For Class 54 Rating, Add</i>	122.11	
			<i>For Class 55 Rating, Add</i>	271.41	
40 05 19 00-0703	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,929.68	166.27
			<i>For Class 52 Rating, Deduct</i>	-184.55	
			<i>For Class 54 Rating, Add</i>	125.83	
			<i>For Class 55 Rating, Add</i>	279.68	
40 05 19 00-0704	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,981.13	167.46
			<i>For Class 52 Rating, Deduct</i>	-190.02	
			<i>For Class 54 Rating, Add</i>	129.56	
			<i>For Class 55 Rating, Add</i>	287.96	
40 05 19 00-0705	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,032.59	168.65
			<i>For Class 52 Rating, Deduct</i>	-195.48	
			<i>For Class 54 Rating, Add</i>	133.28	
			<i>For Class 55 Rating, Add</i>	296.24	
40 05 19 00-0706	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,084.05	169.85
			<i>For Class 52 Rating, Deduct</i>	-200.94	
			<i>For Class 54 Rating, Add</i>	137.00	
			<i>For Class 55 Rating, Add</i>	304.51	
40 05 19 00-0707	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,135.51	171.04
			<i>For Class 52 Rating, Deduct</i>	-206.40	
			<i>For Class 54 Rating, Add</i>	140.73	
			<i>For Class 55 Rating, Add</i>	312.79	
40 05 19 00-0708	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,186.97	172.24
			<i>For Class 52 Rating, Deduct</i>	-211.86	
			<i>For Class 54 Rating, Add</i>	144.45	
			<i>For Class 55 Rating, Add</i>	321.06	
40 05 19 00-0709	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,238.44	173.44
			<i>For Class 52 Rating, Deduct</i>	-217.32	
			<i>For Class 54 Rating, Add</i>	148.17	
			<i>For Class 55 Rating, Add</i>	329.34	
40 05 19 00-0710	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,289.90	174.64
			<i>For Class 52 Rating, Deduct</i>	-222.78	
			<i>For Class 54 Rating, Add</i>	151.90	
			<i>For Class 55 Rating, Add</i>	337.62	
40 05 19 00-0711	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,341.35	175.83
			<i>For Class 52 Rating, Deduct</i>	-228.24	
			<i>For Class 54 Rating, Add</i>	155.62	
			<i>For Class 55 Rating, Add</i>	345.89	



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various pipe specifications (e.g., 10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron) and their associated costs.

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0730 EA 12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,600.76 -145.38 99.12 220.32	184.20
40 05 19 00-0731 EA 12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,665.06 -152.26 103.81 230.74	185.40
40 05 19 00-0732 EA 12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,729.36 -159.13 108.50 241.15	186.59
40 05 19 00-0733 EA 12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,793.67 -166.00 113.18 251.57	187.79
40 05 19 00-0734 EA 12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,857.97 -172.88 117.87 261.99	188.99
40 05 19 00-0735 EA 12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,922.26 -179.75 122.56 272.40	190.19
40 05 19 00-0736 EA 12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	1,986.56 -186.62 127.24 282.82	191.38
40 05 19 00-0737 EA 12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,050.86 -193.50 131.93 293.24	192.58
40 05 19 00-0738 EA 12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,115.16 -200.37 136.62 303.66	193.77
40 05 19 00-0739 EA 12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,179.47 -207.25 141.30 314.07	194.97
40 05 19 00-0740 EA 12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,243.76 -214.12 145.99 324.49	196.17
40 05 19 00-0741 EA 12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,308.06 -220.99 150.68 334.91	197.36
40 05 19 00-0742 EA 12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,372.37 -227.87 155.36 345.32	198.56
40 05 19 00-0743 EA 12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,436.67 -234.74 160.05 355.74	199.75
40 05 19 00-0744 EA 12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,500.97 -241.62 164.74 366.16	200.95
40 05 19 00-0745 EA 12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,565.27 -248.49 169.42 376.57	202.14
40 05 19 00-0746 EA 12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,629.57 -255.36 174.11 386.99	203.35
40 05 19 00-0747 EA 12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	2,693.86 -262.24 178.80 397.41	204.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0748	EA		12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,758.17	205.74
			For Class 52 Rating, Deduct	-269.11	
			For Class 54 Rating, Add	183.48	
			For Class 55 Rating, Add	407.82	
40 05 19 00-0749	EA		12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,822.47	206.93
			For Class 52 Rating, Deduct	-275.98	
			For Class 54 Rating, Add	188.17	
			For Class 55 Rating, Add	418.24	
40 05 19 00-0750	EA		12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,886.76	208.13
			For Class 52 Rating, Deduct	-282.86	
			For Class 54 Rating, Add	192.86	
			For Class 55 Rating, Add	428.66	
40 05 19 00-0751	EA		12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,951.07	209.32
			For Class 52 Rating, Deduct	-289.73	
			For Class 54 Rating, Add	197.54	
			For Class 55 Rating, Add	439.07	
40 05 19 00-0752	EA		12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,015.37	210.51
			For Class 52 Rating, Deduct	-296.60	
			For Class 54 Rating, Add	202.23	
			For Class 55 Rating, Add	449.49	
40 05 19 00-0753	EA		12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,079.67	211.72
			For Class 52 Rating, Deduct	-303.48	
			For Class 54 Rating, Add	206.92	
			For Class 55 Rating, Add	459.91	
40 05 19 00-0754	EA		12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,143.98	212.91
			For Class 52 Rating, Deduct	-310.35	
			For Class 54 Rating, Add	211.60	
			For Class 55 Rating, Add	470.32	
40 05 19 00-0755			14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0756	EA		14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	972.15	200.95
			For Class 52 Rating, Deduct	-73.44	
			For Class 54 Rating, Add	50.08	
			For Class 55 Rating, Add	111.30	
40 05 19 00-0757	EA		14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,050.15	202.14
			For Class 52 Rating, Deduct	-81.82	
			For Class 54 Rating, Add	55.79	
			For Class 55 Rating, Add	124.00	
40 05 19 00-0758	EA		14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,128.15	203.35
			For Class 52 Rating, Deduct	-90.21	
			For Class 54 Rating, Add	61.50	
			For Class 55 Rating, Add	136.70	
40 05 19 00-0759	EA		14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,206.13	204.54
			For Class 52 Rating, Deduct	-98.59	
			For Class 54 Rating, Add	67.22	
			For Class 55 Rating, Add	149.40	
40 05 19 00-0760	EA		14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,284.14	205.74
			For Class 52 Rating, Deduct	-106.97	
			For Class 54 Rating, Add	72.93	
			For Class 55 Rating, Add	162.10	
40 05 19 00-0761	EA		14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,362.13	206.93
			For Class 52 Rating, Deduct	-115.35	
			For Class 54 Rating, Add	78.65	
			For Class 55 Rating, Add	174.80	
40 05 19 00-0762	EA		14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,440.12	208.13
			For Class 52 Rating, Deduct	-123.73	
			For Class 54 Rating, Add	84.36	
			For Class 55 Rating, Add	187.50	
40 05 19 00-0763	EA		14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,518.13	209.32
			For Class 52 Rating, Deduct	-132.11	
			For Class 54 Rating, Add	90.07	
			For Class 55 Rating, Add	200.20	
40 05 19 00-0764	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,596.12	210.51
			For Class 52 Rating, Deduct	-140.49	
			For Class 54 Rating, Add	95.79	
			For Class 55 Rating, Add	212.90	
40 05 19 00-0765	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,674.12	211.72
			For Class 52 Rating, Deduct	-148.87	
			For Class 54 Rating, Add	101.50	
			For Class 55 Rating, Add	225.60	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0766	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,752.12	212.91
			For Class 52 Rating, Deduct	-157.25	
			For Class 54 Rating, Add	107.21	
			For Class 55 Rating, Add	238.30	
40 05 19 00-0767	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,830.11	214.11
			For Class 52 Rating, Deduct	-165.63	
			For Class 54 Rating, Add	112.93	
			For Class 55 Rating, Add	251.00	
40 05 19 00-0768	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,908.11	215.30
			For Class 52 Rating, Deduct	-174.01	
			For Class 54 Rating, Add	118.64	
			For Class 55 Rating, Add	263.70	
40 05 19 00-0769	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,986.10	216.50
			For Class 52 Rating, Deduct	-182.39	
			For Class 54 Rating, Add	124.36	
			For Class 55 Rating, Add	276.40	
40 05 19 00-0770	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,064.10	217.69
			For Class 52 Rating, Deduct	-190.77	
			For Class 54 Rating, Add	130.07	
			For Class 55 Rating, Add	289.10	
40 05 19 00-0771	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,142.09	218.90
			For Class 52 Rating, Deduct	-199.15	
			For Class 54 Rating, Add	135.78	
			For Class 55 Rating, Add	301.80	
40 05 19 00-0772	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,220.09	220.09
			For Class 52 Rating, Deduct	-207.53	
			For Class 54 Rating, Add	141.50	
			For Class 55 Rating, Add	314.50	
40 05 19 00-0773	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,298.09	221.29
			For Class 52 Rating, Deduct	-215.91	
			For Class 54 Rating, Add	147.21	
			For Class 55 Rating, Add	327.20	
40 05 19 00-0774	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,376.08	222.48
			For Class 52 Rating, Deduct	-224.29	
			For Class 54 Rating, Add	152.92	
			For Class 55 Rating, Add	339.90	
40 05 19 00-0775	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,454.09	223.67
			For Class 52 Rating, Deduct	-232.67	
			For Class 54 Rating, Add	158.64	
			For Class 55 Rating, Add	352.60	
40 05 19 00-0776	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,532.08	224.87
			For Class 52 Rating, Deduct	-241.05	
			For Class 54 Rating, Add	164.35	
			For Class 55 Rating, Add	365.30	
40 05 19 00-0777	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,610.07	226.06
			For Class 52 Rating, Deduct	-249.43	
			For Class 54 Rating, Add	170.07	
			For Class 55 Rating, Add	378.00	
40 05 19 00-0778	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,688.08	227.27
			For Class 52 Rating, Deduct	-257.81	
			For Class 54 Rating, Add	175.78	
			For Class 55 Rating, Add	390.70	
40 05 19 00-0779	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,766.06	228.46
			For Class 52 Rating, Deduct	-266.19	
			For Class 54 Rating, Add	181.49	
			For Class 55 Rating, Add	403.40	
40 05 19 00-0780	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,844.06	229.66
			For Class 52 Rating, Deduct	-274.57	
			For Class 54 Rating, Add	187.21	
			For Class 55 Rating, Add	416.10	
40 05 19 00-0781	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,922.05	230.85
			For Class 52 Rating, Deduct	-282.95	
			For Class 54 Rating, Add	192.92	
			For Class 55 Rating, Add	428.80	
40 05 19 00-0782	EA		14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,000.05	232.05
			For Class 52 Rating, Deduct	-291.33	
			For Class 54 Rating, Add	198.63	
			For Class 55 Rating, Add	441.50	
40 05 19 00-0783	EA		14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,078.05	233.24
			For Class 52 Rating, Deduct	-299.71	
			For Class 54 Rating, Add	204.35	
			For Class 55 Rating, Add	454.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0784	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,156.04	234.45
			For Class 52 Rating, Deduct	-308.09	
			For Class 54 Rating, Add	210.06	
			For Class 55 Rating, Add	466.90	
40 05 19 00-0785	EA		14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,234.05	235.64
			For Class 52 Rating, Deduct	-316.47	
			For Class 54 Rating, Add	215.78	
			For Class 55 Rating, Add	479.60	
40 05 19 00-0786	EA		14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,312.04	236.84
			For Class 52 Rating, Deduct	-324.85	
			For Class 54 Rating, Add	221.49	
			For Class 55 Rating, Add	492.30	
40 05 19 00-0787	EA		14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,390.03	238.03
			For Class 52 Rating, Deduct	-333.23	
			For Class 54 Rating, Add	227.20	
			For Class 55 Rating, Add	505.00	
40 05 19 00-0788	EA		14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,468.04	239.22
			For Class 52 Rating, Deduct	-341.61	
			For Class 54 Rating, Add	232.92	
			For Class 55 Rating, Add	517.70	
40 05 19 00-0789	EA		14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,546.03	240.42
			For Class 52 Rating, Deduct	-349.99	
			For Class 54 Rating, Add	238.63	
			For Class 55 Rating, Add	530.40	
40 05 19 00-0790	EA		14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,624.02	241.62
			For Class 52 Rating, Deduct	-358.37	
			For Class 54 Rating, Add	244.35	
			For Class 55 Rating, Add	543.10	
40 05 19 00-0791	EA		14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,702.02	242.82
			For Class 52 Rating, Deduct	-366.75	
			For Class 54 Rating, Add	250.06	
			For Class 55 Rating, Add	555.80	
40 05 19 00-0792	EA		14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,780.01	244.01
			For Class 52 Rating, Deduct	-375.13	
			For Class 54 Rating, Add	255.77	
			For Class 55 Rating, Add	568.50	
40 05 19 00-0793	EA		14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,858.01	245.21
			For Class 52 Rating, Deduct	-383.51	
			For Class 54 Rating, Add	261.49	
			For Class 55 Rating, Add	581.20	
40 05 19 00-0794			16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0795	EA		16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,138.05	229.66
			For Class 52 Rating, Deduct	-86.91	
			For Class 54 Rating, Add	59.26	
			For Class 55 Rating, Add	131.71	
40 05 19 00-0796	EA		16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,228.88	230.85
			For Class 52 Rating, Deduct	-96.70	
			For Class 54 Rating, Add	65.93	
			For Class 55 Rating, Add	146.55	
40 05 19 00-0797	EA		16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,319.73	232.05
			For Class 52 Rating, Deduct	-106.50	
			For Class 54 Rating, Add	72.61	
			For Class 55 Rating, Add	161.39	
40 05 19 00-0798	EA		16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,410.56	233.24
			For Class 52 Rating, Deduct	-116.29	
			For Class 54 Rating, Add	79.29	
			For Class 55 Rating, Add	176.23	
40 05 19 00-0799	EA		16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,501.39	234.45
			For Class 52 Rating, Deduct	-126.08	
			For Class 54 Rating, Add	85.96	
			For Class 55 Rating, Add	191.07	
40 05 19 00-0800	EA		16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,592.24	235.64
			For Class 52 Rating, Deduct	-135.87	
			For Class 54 Rating, Add	92.64	
			For Class 55 Rating, Add	205.91	
40 05 19 00-0801	EA		16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,683.07	236.84
			For Class 52 Rating, Deduct	-145.67	
			For Class 54 Rating, Add	99.32	
			For Class 55 Rating, Add	220.75	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0802	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,773.91	238.03
			For Class 52 Rating, Deduct	-155.46	
			For Class 54 Rating, Add	105.99	
			For Class 55 Rating, Add	235.59	
40 05 19 00-0803	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,864.75	239.22
			For Class 52 Rating, Deduct	-165.25	
			For Class 54 Rating, Add	112.67	
			For Class 55 Rating, Add	250.43	
40 05 19 00-0804	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,947.02	240.42
			For Class 52 Rating, Deduct	-174.10	
			For Class 54 Rating, Add	118.71	
			For Class 55 Rating, Add	263.84	
40 05 19 00-0805	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,046.41	241.62
			For Class 52 Rating, Deduct	-184.84	
			For Class 54 Rating, Add	126.02	
			For Class 55 Rating, Add	280.11	
40 05 19 00-0806	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,137.25	242.82
			For Class 52 Rating, Deduct	-194.63	
			For Class 54 Rating, Add	132.70	
			For Class 55 Rating, Add	294.95	
40 05 19 00-0807	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,228.09	244.01
			For Class 52 Rating, Deduct	-204.42	
			For Class 54 Rating, Add	139.38	
			For Class 55 Rating, Add	309.79	
40 05 19 00-0808	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,318.92	245.21
			For Class 52 Rating, Deduct	-214.21	
			For Class 54 Rating, Add	146.06	
			For Class 55 Rating, Add	324.63	
40 05 19 00-0809	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,409.76	246.40
			For Class 52 Rating, Deduct	-224.01	
			For Class 54 Rating, Add	152.73	
			For Class 55 Rating, Add	339.47	
40 05 19 00-0810	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,500.60	247.60
			For Class 52 Rating, Deduct	-233.80	
			For Class 54 Rating, Add	159.41	
			For Class 55 Rating, Add	354.31	
40 05 19 00-0811	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,591.43	248.79
			For Class 52 Rating, Deduct	-243.59	
			For Class 54 Rating, Add	166.09	
			For Class 55 Rating, Add	369.15	
40 05 19 00-0812	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,682.28	250.00
			For Class 52 Rating, Deduct	-253.39	
			For Class 54 Rating, Add	172.76	
			For Class 55 Rating, Add	383.99	
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,773.11	251.19
			For Class 52 Rating, Deduct	-263.18	
			For Class 54 Rating, Add	179.44	
			For Class 55 Rating, Add	398.83	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,863.94	252.38
			For Class 52 Rating, Deduct	-272.97	
			For Class 54 Rating, Add	186.12	
			For Class 55 Rating, Add	413.67	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,954.78	253.58
			For Class 52 Rating, Deduct	-282.76	
			For Class 54 Rating, Add	192.79	
			For Class 55 Rating, Add	428.51	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,045.61	254.77
			For Class 52 Rating, Deduct	-292.55	
			For Class 54 Rating, Add	199.47	
			For Class 55 Rating, Add	443.35	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,136.45	255.97
			For Class 52 Rating, Deduct	-302.35	
			For Class 54 Rating, Add	206.15	
			For Class 55 Rating, Add	458.19	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,227.29	257.17
			For Class 52 Rating, Deduct	-312.14	
			For Class 54 Rating, Add	212.82	
			For Class 55 Rating, Add	473.03	
40 05 19 00-0819	EA		16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,318.12	258.37
			For Class 52 Rating, Deduct	-321.93	
			For Class 54 Rating, Add	219.50	
			For Class 55 Rating, Add	487.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0820	EA		16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,408.96	259.56
			For Class 52 Rating, Deduct	-331.73	
			For Class 54 Rating, Add	226.18	
			For Class 55 Rating, Add	502.72	
40 05 19 00-0821	EA		16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,499.80	260.76
			For Class 52 Rating, Deduct	-341.52	
			For Class 54 Rating, Add	232.85	
			For Class 55 Rating, Add	517.56	
40 05 19 00-0822	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,590.64	261.95
			For Class 52 Rating, Deduct	-351.31	
			For Class 54 Rating, Add	239.53	
			For Class 55 Rating, Add	532.40	
40 05 19 00-0823	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,681.47	263.15
			For Class 52 Rating, Deduct	-361.10	
			For Class 54 Rating, Add	246.21	
			For Class 55 Rating, Add	547.24	
40 05 19 00-0824	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,772.31	264.34
			For Class 52 Rating, Deduct	-370.90	
			For Class 54 Rating, Add	252.88	
			For Class 55 Rating, Add	562.08	
40 05 19 00-0825	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,863.14	265.54
			For Class 52 Rating, Deduct	-380.69	
			For Class 54 Rating, Add	259.56	
			For Class 55 Rating, Add	576.92	
40 05 19 00-0826	EA		16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,953.97	266.74
			For Class 52 Rating, Deduct	-390.48	
			For Class 54 Rating, Add	266.24	
			For Class 55 Rating, Add	591.76	
40 05 19 00-0827	EA		16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,044.82	267.93
			For Class 52 Rating, Deduct	-400.27	
			For Class 54 Rating, Add	272.91	
			For Class 55 Rating, Add	606.60	
40 05 19 00-0828	EA		16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,135.65	269.13
			For Class 52 Rating, Deduct	-410.07	
			For Class 54 Rating, Add	279.59	
			For Class 55 Rating, Add	621.44	
40 05 19 00-0829	EA		16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,226.48	270.32
			For Class 52 Rating, Deduct	-419.86	
			For Class 54 Rating, Add	286.27	
			For Class 55 Rating, Add	636.28	
40 05 19 00-0830	EA		16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,317.33	271.52
			For Class 52 Rating, Deduct	-429.65	
			For Class 54 Rating, Add	292.94	
			For Class 55 Rating, Add	651.12	
40 05 19 00-0831	EA		16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,408.16	272.72
			For Class 52 Rating, Deduct	-439.44	
			For Class 54 Rating, Add	299.62	
			For Class 55 Rating, Add	665.96	
40 05 19 00-0832	EA		16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,499.00	273.92
			For Class 52 Rating, Deduct	-449.24	
			For Class 54 Rating, Add	306.30	
			For Class 55 Rating, Add	680.80	
40 05 19 00-0833			18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0834	EA		18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,329.51	258.84
			For Class 52 Rating, Deduct	-103.11	
			For Class 54 Rating, Add	70.30	
			For Class 55 Rating, Add	156.25	
40 05 19 00-0835	EA		18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,434.04	260.04
			For Class 52 Rating, Deduct	-114.40	
			For Class 54 Rating, Add	78.00	
			For Class 55 Rating, Add	173.37	
40 05 19 00-0836	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,538.57	261.23
			For Class 52 Rating, Deduct	-125.70	
			For Class 54 Rating, Add	85.71	
			For Class 55 Rating, Add	190.50	
40 05 19 00-0837	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,643.11	262.44
			For Class 52 Rating, Deduct	-137.00	
			For Class 54 Rating, Add	93.41	
			For Class 55 Rating, Add	207.62	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0838	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,747.63	263.63
			<i>For Class 52 Rating, Deduct</i>	-148.30	
			<i>For Class 54 Rating, Add</i>	101.12	
			<i>For Class 55 Rating, Add</i>	224.74	
40 05 19 00-0839	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,852.16	264.83
			<i>For Class 52 Rating, Deduct</i>	-159.60	
			<i>For Class 54 Rating, Add</i>	108.82	
			<i>For Class 55 Rating, Add</i>	241.87	
40 05 19 00-0840	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,956.70	266.02
			<i>For Class 52 Rating, Deduct</i>	-170.90	
			<i>For Class 54 Rating, Add</i>	116.52	
			<i>For Class 55 Rating, Add</i>	258.99	
40 05 19 00-0841	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,061.23	267.21
			<i>For Class 52 Rating, Deduct</i>	-182.20	
			<i>For Class 54 Rating, Add</i>	124.23	
			<i>For Class 55 Rating, Add</i>	276.12	
40 05 19 00-0842	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,165.76	268.41
			<i>For Class 52 Rating, Deduct</i>	-193.50	
			<i>For Class 54 Rating, Add</i>	131.93	
			<i>For Class 55 Rating, Add</i>	293.24	
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,270.30	269.61
			<i>For Class 52 Rating, Deduct</i>	-204.80	
			<i>For Class 54 Rating, Add</i>	139.64	
			<i>For Class 55 Rating, Add</i>	310.36	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,374.83	270.81
			<i>For Class 52 Rating, Deduct</i>	-216.10	
			<i>For Class 54 Rating, Add</i>	147.34	
			<i>For Class 55 Rating, Add</i>	327.49	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,479.36	272.00
			<i>For Class 52 Rating, Deduct</i>	-227.40	
			<i>For Class 54 Rating, Add</i>	155.04	
			<i>For Class 55 Rating, Add</i>	344.61	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,583.90	273.20
			<i>For Class 52 Rating, Deduct</i>	-238.70	
			<i>For Class 54 Rating, Add</i>	162.75	
			<i>For Class 55 Rating, Add</i>	361.73	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,688.43	274.39
			<i>For Class 52 Rating, Deduct</i>	-249.99	
			<i>For Class 54 Rating, Add</i>	170.45	
			<i>For Class 55 Rating, Add</i>	378.86	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,792.95	275.59
			<i>For Class 52 Rating, Deduct</i>	-261.29	
			<i>For Class 54 Rating, Add</i>	178.16	
			<i>For Class 55 Rating, Add</i>	395.98	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,897.49	276.79
			<i>For Class 52 Rating, Deduct</i>	-272.59	
			<i>For Class 54 Rating, Add</i>	185.86	
			<i>For Class 55 Rating, Add</i>	413.10	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,002.02	277.99
			<i>For Class 52 Rating, Deduct</i>	-283.89	
			<i>For Class 54 Rating, Add</i>	193.56	
			<i>For Class 55 Rating, Add</i>	430.23	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,106.55	279.18
			<i>For Class 52 Rating, Deduct</i>	-295.19	
			<i>For Class 54 Rating, Add</i>	201.27	
			<i>For Class 55 Rating, Add</i>	447.35	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,211.09	280.38
			<i>For Class 52 Rating, Deduct</i>	-306.49	
			<i>For Class 54 Rating, Add</i>	208.97	
			<i>For Class 55 Rating, Add</i>	464.47	
40 05 19 00-0853	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,315.62	281.57
			<i>For Class 52 Rating, Deduct</i>	-317.79	
			<i>For Class 54 Rating, Add</i>	216.68	
			<i>For Class 55 Rating, Add</i>	481.60	
40 05 19 00-0854	EA		18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,420.15	282.76
			<i>For Class 52 Rating, Deduct</i>	-329.09	
			<i>For Class 54 Rating, Add</i>	224.38	
			<i>For Class 55 Rating, Add</i>	498.72	
40 05 19 00-0855	EA		18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,524.69	283.96
			<i>For Class 52 Rating, Deduct</i>	-340.39	
			<i>For Class 54 Rating, Add</i>	232.08	
			<i>For Class 55 Rating, Add</i>	515.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0856	EA		18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,629.22	285.16
			For Class 52 Rating, Deduct	-351.69	
			For Class 54 Rating, Add	239.79	
			For Class 55 Rating, Add	532.97	
40 05 19 00-0857	EA		18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,733.75	286.36
			For Class 52 Rating, Deduct	-362.99	
			For Class 54 Rating, Add	247.49	
			For Class 55 Rating, Add	550.09	
40 05 19 00-0858	EA		18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,838.28	287.55
			For Class 52 Rating, Deduct	-374.29	
			For Class 54 Rating, Add	255.20	
			For Class 55 Rating, Add	567.21	
40 05 19 00-0859	EA		18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,942.81	288.75
			For Class 52 Rating, Deduct	-385.59	
			For Class 54 Rating, Add	262.90	
			For Class 55 Rating, Add	584.34	
40 05 19 00-0860	EA		18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,047.34	289.94
			For Class 52 Rating, Deduct	-396.88	
			For Class 54 Rating, Add	270.60	
			For Class 55 Rating, Add	601.46	
40 05 19 00-0861	EA		18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,151.88	291.14
			For Class 52 Rating, Deduct	-408.18	
			For Class 54 Rating, Add	278.31	
			For Class 55 Rating, Add	618.58	
40 05 19 00-0862	EA		18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,256.41	292.34
			For Class 52 Rating, Deduct	-419.48	
			For Class 54 Rating, Add	286.01	
			For Class 55 Rating, Add	635.71	
40 05 19 00-0863	EA		18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,360.94	293.54
			For Class 52 Rating, Deduct	-430.78	
			For Class 54 Rating, Add	293.72	
			For Class 55 Rating, Add	652.83	
40 05 19 00-0864	EA		18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,465.48	294.73
			For Class 52 Rating, Deduct	-442.08	
			For Class 54 Rating, Add	301.42	
			For Class 55 Rating, Add	669.95	
40 05 19 00-0865	EA		18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,570.01	295.92
			For Class 52 Rating, Deduct	-453.38	
			For Class 54 Rating, Add	309.12	
			For Class 55 Rating, Add	687.08	
40 05 19 00-0866	EA		18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,674.54	297.12
			For Class 52 Rating, Deduct	-464.68	
			For Class 54 Rating, Add	316.83	
			For Class 55 Rating, Add	704.20	
40 05 19 00-0867	EA		18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,779.08	298.31
			For Class 52 Rating, Deduct	-475.98	
			For Class 54 Rating, Add	324.53	
			For Class 55 Rating, Add	721.32	
40 05 19 00-0868	EA		18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,883.61	299.51
			For Class 52 Rating, Deduct	-487.28	
			For Class 54 Rating, Add	332.24	
			For Class 55 Rating, Add	738.45	
40 05 19 00-0869	EA		18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,988.13	300.71
			For Class 52 Rating, Deduct	-498.58	
			For Class 54 Rating, Add	339.94	
			For Class 55 Rating, Add	755.57	
40 05 19 00-0870	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,092.67	301.91
			For Class 52 Rating, Deduct	-509.88	
			For Class 54 Rating, Add	347.64	
			For Class 55 Rating, Add	772.69	
40 05 19 00-0871	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,197.20	303.10
			For Class 52 Rating, Deduct	-521.18	
			For Class 54 Rating, Add	355.35	
			For Class 55 Rating, Add	789.82	
40 05 19 00-0872			20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,542.46	295.45
			For Class 52 Rating, Deduct	-120.43	
			For Class 54 Rating, Add	82.11	
			For Class 55 Rating, Add	182.51	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0874	EA	20"	Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,662.41	296.64
			<i>For Class 52 Rating, Deduct</i>	-133.42	
			<i>For Class 54 Rating, Add</i>	90.97	
			<i>For Class 55 Rating, Add</i>	202.20	
40 05 19 00-0875	EA	20"	Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,782.35	297.84
			<i>For Class 52 Rating, Deduct</i>	-146.42	
			<i>For Class 54 Rating, Add</i>	99.83	
			<i>For Class 55 Rating, Add</i>	221.89	
40 05 19 00-0876	EA	20"	Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,902.29	299.03
			<i>For Class 52 Rating, Deduct</i>	-159.41	
			<i>For Class 54 Rating, Add</i>	108.69	
			<i>For Class 55 Rating, Add</i>	241.58	
40 05 19 00-0877	EA	20"	Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,022.24	300.23
			<i>For Class 52 Rating, Deduct</i>	-172.41	
			<i>For Class 54 Rating, Add</i>	117.55	
			<i>For Class 55 Rating, Add</i>	261.28	
40 05 19 00-0878	EA	20"	Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,142.17	301.42
			<i>For Class 52 Rating, Deduct</i>	-185.40	
			<i>For Class 54 Rating, Add</i>	126.41	
			<i>For Class 55 Rating, Add</i>	280.97	
40 05 19 00-0879	EA	20"	Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,262.10	302.62
			<i>For Class 52 Rating, Deduct</i>	-198.39	
			<i>For Class 54 Rating, Add</i>	135.27	
			<i>For Class 55 Rating, Add</i>	300.66	
40 05 19 00-0880	EA	20"	Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,382.05	303.82
			<i>For Class 52 Rating, Deduct</i>	-211.39	
			<i>For Class 54 Rating, Add</i>	144.13	
			<i>For Class 55 Rating, Add</i>	320.35	
40 05 19 00-0881	EA	20"	Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,501.99	305.02
			<i>For Class 52 Rating, Deduct</i>	-224.38	
			<i>For Class 54 Rating, Add</i>	152.99	
			<i>For Class 55 Rating, Add</i>	340.04	
40 05 19 00-0882	EA	20"	Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,621.93	306.21
			<i>For Class 52 Rating, Deduct</i>	-237.38	
			<i>For Class 54 Rating, Add</i>	161.85	
			<i>For Class 55 Rating, Add</i>	359.74	
40 05 19 00-0883	EA	20"	Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,741.87	307.40
			<i>For Class 52 Rating, Deduct</i>	-250.37	
			<i>For Class 54 Rating, Add</i>	170.71	
			<i>For Class 55 Rating, Add</i>	379.43	
40 05 19 00-0884	EA	20"	Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,861.81	308.60
			<i>For Class 52 Rating, Deduct</i>	-263.37	
			<i>For Class 54 Rating, Add</i>	179.57	
			<i>For Class 55 Rating, Add</i>	399.12	
40 05 19 00-0885	EA	20"	Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,981.75	309.79
			<i>For Class 52 Rating, Deduct</i>	-276.36	
			<i>For Class 54 Rating, Add</i>	188.43	
			<i>For Class 55 Rating, Add</i>	418.81	
40 05 19 00-0886	EA	20"	Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,101.70	311.00
			<i>For Class 52 Rating, Deduct</i>	-289.35	
			<i>For Class 54 Rating, Add</i>	197.29	
			<i>For Class 55 Rating, Add</i>	438.50	
40 05 19 00-0887	EA	20"	Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,221.64	312.19
			<i>For Class 52 Rating, Deduct</i>	-302.35	
			<i>For Class 54 Rating, Add</i>	206.15	
			<i>For Class 55 Rating, Add</i>	458.19	
40 05 19 00-0888	EA	20"	Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,341.57	313.39
			<i>For Class 52 Rating, Deduct</i>	-315.34	
			<i>For Class 54 Rating, Add</i>	215.01	
			<i>For Class 55 Rating, Add</i>	477.89	
40 05 19 00-0889	EA	20"	Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,461.51	314.58
			<i>For Class 52 Rating, Deduct</i>	-328.34	
			<i>For Class 54 Rating, Add</i>	223.87	
			<i>For Class 55 Rating, Add</i>	497.58	
40 05 19 00-0890	EA	20"	Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,581.45	315.78
			<i>For Class 52 Rating, Deduct</i>	-341.33	
			<i>For Class 54 Rating, Add</i>	232.73	
			<i>For Class 55 Rating, Add</i>	517.27	
40 05 19 00-0891	EA	20"	Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,701.39	316.97
			<i>For Class 52 Rating, Deduct</i>	-354.32	
			<i>For Class 54 Rating, Add</i>	241.58	
			<i>For Class 55 Rating, Add</i>	536.96	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0892	EA		20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,821.34	318.17
			For Class 52 Rating, Deduct	-367.32	
			For Class 54 Rating, Add	250.44	
			For Class 55 Rating, Add	556.65	
40 05 19 00-0893	EA		20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,941.27	319.37
			For Class 52 Rating, Deduct	-380.31	
			For Class 54 Rating, Add	259.30	
			For Class 55 Rating, Add	576.35	
40 05 19 00-0894	EA		20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,061.21	320.57
			For Class 52 Rating, Deduct	-393.31	
			For Class 54 Rating, Add	268.16	
			For Class 55 Rating, Add	596.04	
40 05 19 00-0895	EA		20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,181.15	321.76
			For Class 52 Rating, Deduct	-406.30	
			For Class 54 Rating, Add	277.02	
			For Class 55 Rating, Add	615.73	
40 05 19 00-0896	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,301.10	322.95
			For Class 52 Rating, Deduct	-419.29	
			For Class 54 Rating, Add	285.88	
			For Class 55 Rating, Add	635.42	
40 05 19 00-0897	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,421.04	324.15
			For Class 52 Rating, Deduct	-432.29	
			For Class 54 Rating, Add	294.74	
			For Class 55 Rating, Add	655.11	
40 05 19 00-0898	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,540.97	325.34
			For Class 52 Rating, Deduct	-445.28	
			For Class 54 Rating, Add	303.60	
			For Class 55 Rating, Add	674.80	
40 05 19 00-0899	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,660.92	326.55
			For Class 52 Rating, Deduct	-458.28	
			For Class 54 Rating, Add	312.46	
			For Class 55 Rating, Add	694.50	
40 05 19 00-0900	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,780.85	327.74
			For Class 52 Rating, Deduct	-471.27	
			For Class 54 Rating, Add	321.32	
			For Class 55 Rating, Add	714.19	
40 05 19 00-0901	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,900.79	328.94
			For Class 52 Rating, Deduct	-484.27	
			For Class 54 Rating, Add	330.18	
			For Class 55 Rating, Add	733.88	
40 05 19 00-0902	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,020.74	330.13
			For Class 52 Rating, Deduct	-497.26	
			For Class 54 Rating, Add	339.04	
			For Class 55 Rating, Add	753.57	
40 05 19 00-0903	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,140.67	331.33
			For Class 52 Rating, Deduct	-510.25	
			For Class 54 Rating, Add	347.90	
			For Class 55 Rating, Add	773.26	
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,260.61	332.52
			For Class 52 Rating, Deduct	-523.25	
			For Class 54 Rating, Add	356.76	
			For Class 55 Rating, Add	792.96	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,380.56	333.73
			For Class 52 Rating, Deduct	-536.24	
			For Class 54 Rating, Add	365.62	
			For Class 55 Rating, Add	812.65	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,500.50	334.92
			For Class 52 Rating, Deduct	-549.24	
			For Class 54 Rating, Add	374.48	
			For Class 55 Rating, Add	832.34	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,620.44	336.11
			For Class 52 Rating, Deduct	-562.23	
			For Class 54 Rating, Add	383.34	
			For Class 55 Rating, Add	852.03	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,740.38	337.31
			For Class 52 Rating, Deduct	-575.22	
			For Class 54 Rating, Add	392.20	
			For Class 55 Rating, Add	871.72	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,860.32	338.50
			For Class 52 Rating, Deduct	-588.22	
			For Class 54 Rating, Add	401.06	
			For Class 55 Rating, Add	891.42	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,980.25	339.70
		<i>For Class 52 Rating, Deduct</i>	-601.21	
		<i>For Class 54 Rating, Add</i>	409.92	
		<i>For Class 55 Rating, Add</i>	911.11	
40 05 19 00-0911		24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0911)</small>		
40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,912.50	349.27
		<i>For Class 52 Rating, Deduct</i>	-152.16	
		<i>For Class 54 Rating, Add</i>	103.75	
		<i>For Class 55 Rating, Add</i>	230.60	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,060.68	350.47
		<i>For Class 52 Rating, Deduct</i>	-168.26	
		<i>For Class 54 Rating, Add</i>	114.73	
		<i>For Class 55 Rating, Add</i>	255.00	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,208.87	351.66
		<i>For Class 52 Rating, Deduct</i>	-184.37	
		<i>For Class 54 Rating, Add</i>	125.70	
		<i>For Class 55 Rating, Add</i>	279.40	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,357.05	352.86
		<i>For Class 52 Rating, Deduct</i>	-200.47	
		<i>For Class 54 Rating, Add</i>	136.68	
		<i>For Class 55 Rating, Add</i>	303.80	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,505.24	354.05
		<i>For Class 52 Rating, Deduct</i>	-216.57	
		<i>For Class 54 Rating, Add</i>	147.66	
		<i>For Class 55 Rating, Add</i>	328.20	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,653.44	355.25
		<i>For Class 52 Rating, Deduct</i>	-232.67	
		<i>For Class 54 Rating, Add</i>	158.64	
		<i>For Class 55 Rating, Add</i>	352.60	
40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,801.62	356.44
		<i>For Class 52 Rating, Deduct</i>	-248.77	
		<i>For Class 54 Rating, Add</i>	169.62	
		<i>For Class 55 Rating, Add</i>	377.00	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,949.81	357.65
		<i>For Class 52 Rating, Deduct</i>	-264.87	
		<i>For Class 54 Rating, Add</i>	180.59	
		<i>For Class 55 Rating, Add</i>	401.40	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,098.00	358.84
		<i>For Class 52 Rating, Deduct</i>	-280.97	
		<i>For Class 54 Rating, Add</i>	191.57	
		<i>For Class 55 Rating, Add</i>	425.80	
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,246.19	360.04
		<i>For Class 52 Rating, Deduct</i>	-297.07	
		<i>For Class 54 Rating, Add</i>	202.55	
		<i>For Class 55 Rating, Add</i>	450.20	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,394.38	361.23
		<i>For Class 52 Rating, Deduct</i>	-313.18	
		<i>For Class 54 Rating, Add</i>	213.53	
		<i>For Class 55 Rating, Add</i>	474.60	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,542.57	362.43
		<i>For Class 52 Rating, Deduct</i>	-329.28	
		<i>For Class 54 Rating, Add</i>	224.51	
		<i>For Class 55 Rating, Add</i>	499.00	
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,690.76	363.62
		<i>For Class 52 Rating, Deduct</i>	-345.38	
		<i>For Class 54 Rating, Add</i>	235.49	
		<i>For Class 55 Rating, Add</i>	523.41	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,838.93	364.82
		<i>For Class 52 Rating, Deduct</i>	-361.48	
		<i>For Class 54 Rating, Add</i>	246.46	
		<i>For Class 55 Rating, Add</i>	547.81	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,987.13	366.02
		<i>For Class 52 Rating, Deduct</i>	-377.58	
		<i>For Class 54 Rating, Add</i>	257.44	
		<i>For Class 55 Rating, Add</i>	572.21	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,135.32	367.21
		<i>For Class 52 Rating, Deduct</i>	-393.68	
		<i>For Class 54 Rating, Add</i>	268.42	
		<i>For Class 55 Rating, Add</i>	596.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0928	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,283.50	368.41
			For Class 52 Rating, Deduct	-409.78	
			For Class 54 Rating, Add	279.40	
			For Class 55 Rating, Add	621.01	
40 05 19 00-0929	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,431.70	369.60
			For Class 52 Rating, Deduct	-425.89	
			For Class 54 Rating, Add	290.38	
			For Class 55 Rating, Add	645.41	
40 05 19 00-0930	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,579.88	370.80
			For Class 52 Rating, Deduct	-441.99	
			For Class 54 Rating, Add	301.35	
			For Class 55 Rating, Add	669.81	
40 05 19 00-0931	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,728.07	372.00
			For Class 52 Rating, Deduct	-458.09	
			For Class 54 Rating, Add	312.33	
			For Class 55 Rating, Add	694.21	
40 05 19 00-0932	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,876.27	373.20
			For Class 52 Rating, Deduct	-474.19	
			For Class 54 Rating, Add	323.31	
			For Class 55 Rating, Add	718.61	
40 05 19 00-0933	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,024.45	374.39
			For Class 52 Rating, Deduct	-490.29	
			For Class 54 Rating, Add	334.29	
			For Class 55 Rating, Add	743.01	
40 05 19 00-0934	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,172.64	375.59
			For Class 52 Rating, Deduct	-506.39	
			For Class 54 Rating, Add	345.27	
			For Class 55 Rating, Add	767.42	
40 05 19 00-0935	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,320.82	376.78
			For Class 52 Rating, Deduct	-522.49	
			For Class 54 Rating, Add	356.25	
			For Class 55 Rating, Add	791.82	
40 05 19 00-0936	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,469.01	377.97
			For Class 52 Rating, Deduct	-538.60	
			For Class 54 Rating, Add	367.22	
			For Class 55 Rating, Add	816.22	
40 05 19 00-0937	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,617.20	379.17
			For Class 52 Rating, Deduct	-554.70	
			For Class 54 Rating, Add	378.20	
			For Class 55 Rating, Add	840.62	
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,765.39	380.37
			For Class 52 Rating, Deduct	-570.80	
			For Class 54 Rating, Add	389.18	
			For Class 55 Rating, Add	865.02	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,913.58	381.57
			For Class 52 Rating, Deduct	-586.90	
			For Class 54 Rating, Add	400.16	
			For Class 55 Rating, Add	889.42	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,061.76	382.76
			For Class 52 Rating, Deduct	-603.00	
			For Class 54 Rating, Add	411.14	
			For Class 55 Rating, Add	913.82	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,240.76	404.30
			For Class 52 Rating, Deduct	-619.10	
			For Class 54 Rating, Add	422.12	
			For Class 55 Rating, Add	938.22	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,388.96	405.49
			For Class 52 Rating, Deduct	-635.20	
			For Class 54 Rating, Add	433.09	
			For Class 55 Rating, Add	962.62	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,537.14	406.68
			For Class 52 Rating, Deduct	-651.30	
			For Class 54 Rating, Add	444.07	
			For Class 55 Rating, Add	987.02	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,685.33	407.88
			For Class 52 Rating, Deduct	-667.41	
			For Class 54 Rating, Add	455.05	
			For Class 55 Rating, Add	1,011.42	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,833.52	409.07
			For Class 52 Rating, Deduct	-683.51	
			For Class 54 Rating, Add	466.03	
			For Class 55 Rating, Add	1,035.82	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,981.71	410.28
			<i>For Class 52 Rating, Deduct</i>	-699.61	
			<i>For Class 54 Rating, Add</i>	477.01	
			<i>For Class 55 Rating, Add</i>	1,060.23	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,129.90	411.47
			<i>For Class 52 Rating, Deduct</i>	-715.71	
			<i>For Class 54 Rating, Add</i>	487.98	
			<i>For Class 55 Rating, Add</i>	1,084.63	
40 05 19 00-0948	EA		24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,278.09	412.67
			<i>For Class 52 Rating, Deduct</i>	-731.81	
			<i>For Class 54 Rating, Add</i>	498.96	
			<i>For Class 55 Rating, Add</i>	1,109.03	
40 05 19 00-0949	EA		24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,426.27	413.86
			<i>For Class 52 Rating, Deduct</i>	-747.91	
			<i>For Class 54 Rating, Add</i>	509.94	
			<i>For Class 55 Rating, Add</i>	1,133.43	
40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0954)</small>					
40 05 19 00-0951	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,955.16	492.80
			<i>For Class 52 Rating, Deduct</i>	-242.93	
			<i>For Class 54 Rating, Add</i>	165.64	
			<i>For Class 55 Rating, Add</i>	368.15	
40 05 19 00-0952	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,168.40	494.00
			<i>For Class 52 Rating, Deduct</i>	-266.19	
			<i>For Class 54 Rating, Add</i>	181.49	
			<i>For Class 55 Rating, Add</i>	403.40	
40 05 19 00-0953	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,381.64	495.20
			<i>For Class 52 Rating, Deduct</i>	-289.45	
			<i>For Class 54 Rating, Add</i>	197.35	
			<i>For Class 55 Rating, Add</i>	438.64	
40 05 19 00-0954	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,594.90	496.40
			<i>For Class 52 Rating, Deduct</i>	-312.71	
			<i>For Class 54 Rating, Add</i>	213.21	
			<i>For Class 55 Rating, Add</i>	473.89	
40 05 19 00-0955	EA		30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,808.14	497.59
			<i>For Class 52 Rating, Deduct</i>	-335.96	
			<i>For Class 54 Rating, Add</i>	229.07	
			<i>For Class 55 Rating, Add</i>	509.14	
40 05 19 00-0956	EA		30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,021.38	498.79
			<i>For Class 52 Rating, Deduct</i>	-359.22	
			<i>For Class 54 Rating, Add</i>	244.92	
			<i>For Class 55 Rating, Add</i>	544.38	
40 05 19 00-0957	EA		30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,234.62	499.98
			<i>For Class 52 Rating, Deduct</i>	-382.48	
			<i>For Class 54 Rating, Add</i>	260.78	
			<i>For Class 55 Rating, Add</i>	579.63	
40 05 19 00-0958	EA		30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,447.86	501.18
			<i>For Class 52 Rating, Deduct</i>	-405.74	
			<i>For Class 54 Rating, Add</i>	276.64	
			<i>For Class 55 Rating, Add</i>	614.87	
40 05 19 00-0959	EA		30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,661.11	502.38
			<i>For Class 52 Rating, Deduct</i>	-428.99	
			<i>For Class 54 Rating, Add</i>	292.50	
			<i>For Class 55 Rating, Add</i>	650.12	
40 05 19 00-0960	EA		30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,874.35	503.57
			<i>For Class 52 Rating, Deduct</i>	-452.25	
			<i>For Class 54 Rating, Add</i>	308.35	
			<i>For Class 55 Rating, Add</i>	685.37	
40 05 19 00-0961	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,087.60	504.77
			<i>For Class 52 Rating, Deduct</i>	-475.51	
			<i>For Class 54 Rating, Add</i>	324.21	
			<i>For Class 55 Rating, Add</i>	720.61	
40 05 19 00-0962	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,300.84	505.96
			<i>For Class 52 Rating, Deduct</i>	-498.77	
			<i>For Class 54 Rating, Add</i>	340.07	
			<i>For Class 55 Rating, Add</i>	755.86	
40 05 19 00-0963	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,514.08	507.16
			<i>For Class 52 Rating, Deduct</i>	-522.02	
			<i>For Class 54 Rating, Add</i>	355.92	
			<i>For Class 55 Rating, Add</i>	791.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0964	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,727.34	508.35
			For Class 52 Rating, Deduct	-545.28	
			For Class 54 Rating, Add	371.78	
			For Class 55 Rating, Add	826.35	
40 05 19 00-0965	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,940.58	509.55
			For Class 52 Rating, Deduct	-568.54	
			For Class 54 Rating, Add	387.64	
			For Class 55 Rating, Add	861.59	
40 05 19 00-0966	EA		30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,153.82	510.75
			For Class 52 Rating, Deduct	-591.80	
			For Class 54 Rating, Add	403.50	
			For Class 55 Rating, Add	896.84	
40 05 19 00-0967	EA		30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,367.06	511.95
			For Class 52 Rating, Deduct	-615.05	
			For Class 54 Rating, Add	419.35	
			For Class 55 Rating, Add	932.08	
40 05 19 00-0968	EA		30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,580.30	513.14
			For Class 52 Rating, Deduct	-638.31	
			For Class 54 Rating, Add	435.21	
			For Class 55 Rating, Add	967.33	
40 05 19 00-0969	EA		30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,793.55	514.34
			For Class 52 Rating, Deduct	-661.57	
			For Class 54 Rating, Add	451.07	
			For Class 55 Rating, Add	1,002.58	
40 05 19 00-0970	EA		30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,006.80	515.53
			For Class 52 Rating, Deduct	-684.83	
			For Class 54 Rating, Add	466.93	
			For Class 55 Rating, Add	1,037.82	
40 05 19 00-0971	EA		30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,220.04	516.72
			For Class 52 Rating, Deduct	-708.08	
			For Class 54 Rating, Add	482.78	
			For Class 55 Rating, Add	1,073.07	
40 05 19 00-0972	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,433.28	517.93
			For Class 52 Rating, Deduct	-731.34	
			For Class 54 Rating, Add	498.64	
			For Class 55 Rating, Add	1,108.31	
40 05 19 00-0973	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,646.53	519.12
			For Class 52 Rating, Deduct	-754.60	
			For Class 54 Rating, Add	514.50	
			For Class 55 Rating, Add	1,143.56	
40 05 19 00-0974	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,859.78	520.32
			For Class 52 Rating, Deduct	-777.86	
			For Class 54 Rating, Add	530.36	
			For Class 55 Rating, Add	1,178.81	
40 05 19 00-0975	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,073.02	521.51
			For Class 52 Rating, Deduct	-801.11	
			For Class 54 Rating, Add	546.21	
			For Class 55 Rating, Add	1,214.05	
40 05 19 00-0976	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,286.27	522.71
			For Class 52 Rating, Deduct	-824.37	
			For Class 54 Rating, Add	562.07	
			For Class 55 Rating, Add	1,249.30	
40 05 19 00-0977	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,499.51	523.90
			For Class 52 Rating, Deduct	-847.63	
			For Class 54 Rating, Add	577.93	
			For Class 55 Rating, Add	1,284.54	
40 05 19 00-0978	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,712.74	525.10
			For Class 52 Rating, Deduct	-870.89	
			For Class 54 Rating, Add	593.79	
			For Class 55 Rating, Add	1,319.79	
40 05 19 00-0979	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,926.00	526.30
			For Class 52 Rating, Deduct	-894.14	
			For Class 54 Rating, Add	609.64	
			For Class 55 Rating, Add	1,355.03	
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,139.24	527.50
			For Class 52 Rating, Deduct	-917.40	
			For Class 54 Rating, Add	625.50	
			For Class 55 Rating, Add	1,390.28	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,352.48	528.69
			For Class 52 Rating, Deduct	-940.66	
			For Class 54 Rating, Add	641.36	
			For Class 55 Rating, Add	1,425.53	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,565.73	529.89
		For Class 52 Rating, Deduct	-963.92	
		For Class 54 Rating, Add	657.22	
		For Class 55 Rating, Add	1,460.77	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,778.97	531.08
		For Class 52 Rating, Deduct	-987.17	
		For Class 54 Rating, Add	673.07	
		For Class 55 Rating, Add	1,496.02	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,992.22	532.27
		For Class 52 Rating, Deduct	-1,010.43	
		For Class 54 Rating, Add	688.93	
		For Class 55 Rating, Add	1,531.26	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,205.47	533.48
		For Class 52 Rating, Deduct	-1,033.69	
		For Class 54 Rating, Add	704.79	
		For Class 55 Rating, Add	1,566.51	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,418.71	534.67
		For Class 52 Rating, Deduct	-1,056.95	
		For Class 54 Rating, Add	720.65	
		For Class 55 Rating, Add	1,601.75	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,631.95	535.87
		For Class 52 Rating, Deduct	-1,080.20	
		For Class 54 Rating, Add	736.50	
		For Class 55 Rating, Add	1,637.00	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,845.19	537.06
		For Class 52 Rating, Deduct	-1,103.46	
		For Class 54 Rating, Add	752.36	
		For Class 55 Rating, Add	1,672.24	
40 05 19 00-0989		36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,059.30	624.38
		For Class 52 Rating, Deduct	-342.46	
		For Class 54 Rating, Add	233.50	
		For Class 55 Rating, Add	518.98	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,348.73	625.58
		For Class 52 Rating, Deduct	-374.10	
		For Class 54 Rating, Add	255.07	
		For Class 55 Rating, Add	566.93	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,638.15	626.78
		For Class 52 Rating, Deduct	-405.74	
		For Class 54 Rating, Add	276.64	
		For Class 55 Rating, Add	614.87	
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,927.59	627.97
		For Class 52 Rating, Deduct	-437.37	
		For Class 54 Rating, Add	298.21	
		For Class 55 Rating, Add	662.82	
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,217.02	629.16
		For Class 52 Rating, Deduct	-469.01	
		For Class 54 Rating, Add	319.78	
		For Class 55 Rating, Add	710.77	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,506.44	630.36
		For Class 52 Rating, Deduct	-500.65	
		For Class 54 Rating, Add	341.35	
		For Class 55 Rating, Add	758.71	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,795.88	631.55
		For Class 52 Rating, Deduct	-532.29	
		For Class 54 Rating, Add	362.92	
		For Class 55 Rating, Add	806.66	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,085.30	632.76
		For Class 52 Rating, Deduct	-563.92	
		For Class 54 Rating, Add	384.49	
		For Class 55 Rating, Add	854.60	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,374.73	633.95
		For Class 52 Rating, Deduct	-595.56	
		For Class 54 Rating, Add	406.07	
		For Class 55 Rating, Add	902.55	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,664.17	635.15
		For Class 52 Rating, Deduct	-627.20	
		For Class 54 Rating, Add	427.64	
		For Class 55 Rating, Add	950.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1000	EA		36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,953.58	636.34
			For Class 52 Rating, Deduct	-658.84	
			For Class 54 Rating, Add	449.21	
			For Class 55 Rating, Add	998.44	
40 05 19 00-1001	EA		36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,243.01	637.54
			For Class 52 Rating, Deduct	-690.48	
			For Class 54 Rating, Add	470.78	
			For Class 55 Rating, Add	1,046.38	
40 05 19 00-1002	EA		36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,532.44	638.73
			For Class 52 Rating, Deduct	-722.11	
			For Class 54 Rating, Add	492.35	
			For Class 55 Rating, Add	1,094.33	
40 05 19 00-1003	EA		36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,821.87	639.93
			For Class 52 Rating, Deduct	-753.75	
			For Class 54 Rating, Add	513.92	
			For Class 55 Rating, Add	1,142.28	
40 05 19 00-1004	EA		36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,111.30	641.13
			For Class 52 Rating, Deduct	-785.39	
			For Class 54 Rating, Add	535.49	
			For Class 55 Rating, Add	1,190.22	
40 05 19 00-1005	EA		36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,400.73	642.32
			For Class 52 Rating, Deduct	-817.03	
			For Class 54 Rating, Add	557.06	
			For Class 55 Rating, Add	1,238.17	
40 05 19 00-1006	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,690.16	643.52
			For Class 52 Rating, Deduct	-848.66	
			For Class 54 Rating, Add	578.63	
			For Class 55 Rating, Add	1,286.11	
40 05 19 00-1007	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,979.58	644.71
			For Class 52 Rating, Deduct	-880.30	
			For Class 54 Rating, Add	600.21	
			For Class 55 Rating, Add	1,334.06	
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,269.02	645.91
			For Class 52 Rating, Deduct	-911.94	
			For Class 54 Rating, Add	621.78	
			For Class 55 Rating, Add	1,382.00	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,558.45	647.10
			For Class 52 Rating, Deduct	-943.58	
			For Class 54 Rating, Add	643.35	
			For Class 55 Rating, Add	1,429.95	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,847.86	648.31
			For Class 52 Rating, Deduct	-975.21	
			For Class 54 Rating, Add	664.92	
			For Class 55 Rating, Add	1,477.89	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,137.30	649.50
			For Class 52 Rating, Deduct	-1,006.85	
			For Class 54 Rating, Add	686.49	
			For Class 55 Rating, Add	1,525.84	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,426.72	650.70
			For Class 52 Rating, Deduct	-1,038.49	
			For Class 54 Rating, Add	708.06	
			For Class 55 Rating, Add	1,573.78	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,716.15	651.89
			For Class 52 Rating, Deduct	-1,070.13	
			For Class 54 Rating, Add	729.63	
			For Class 55 Rating, Add	1,621.73	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,005.59	653.09
			For Class 52 Rating, Deduct	-1,101.77	
			For Class 54 Rating, Add	751.20	
			For Class 55 Rating, Add	1,669.68	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,295.01	654.28
			For Class 52 Rating, Deduct	-1,133.40	
			For Class 54 Rating, Add	772.78	
			For Class 55 Rating, Add	1,717.62	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,584.44	655.48
			For Class 52 Rating, Deduct	-1,165.04	
			For Class 54 Rating, Add	794.35	
			For Class 55 Rating, Add	1,765.57	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,873.87	656.68
			For Class 52 Rating, Deduct	-1,196.68	
			For Class 54 Rating, Add	815.92	
			For Class 55 Rating, Add	1,813.51	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,163.30	657.87
		For Class 52 Rating, Deduct	-1,228.32	
		For Class 54 Rating, Add	837.49	
		For Class 55 Rating, Add	1,861.46	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,452.73	659.07
		For Class 52 Rating, Deduct	-1,259.96	
		For Class 54 Rating, Add	859.06	
		For Class 55 Rating, Add	1,909.41	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,742.15	660.26
		For Class 52 Rating, Deduct	-1,291.59	
		For Class 54 Rating, Add	880.63	
		For Class 55 Rating, Add	1,957.35	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,031.58	661.46
		For Class 52 Rating, Deduct	-1,323.23	
		For Class 54 Rating, Add	902.20	
		For Class 55 Rating, Add	2,005.30	
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,321.00	662.65
		For Class 52 Rating, Deduct	-1,354.87	
		For Class 54 Rating, Add	923.77	
		For Class 55 Rating, Add	2,053.24	
40 05 19 00-1023	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,610.44	663.86
		For Class 52 Rating, Deduct	-1,386.51	
		For Class 54 Rating, Add	945.35	
		For Class 55 Rating, Add	2,101.19	
40 05 19 00-1024	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,899.87	665.05
		For Class 52 Rating, Deduct	-1,418.14	
		For Class 54 Rating, Add	966.92	
		For Class 55 Rating, Add	2,149.13	
40 05 19 00-1025	EA	36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,189.29	666.25
		For Class 52 Rating, Deduct	-1,449.78	
		For Class 54 Rating, Add	988.49	
		For Class 55 Rating, Add	2,197.08	
40 05 19 00-1026	EA	36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,478.73	667.44
		For Class 52 Rating, Deduct	-1,481.42	
		For Class 54 Rating, Add	1,010.06	
		For Class 55 Rating, Add	2,245.02	
40 05 19 00-1027	EA	36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,768.15	668.64
		For Class 52 Rating, Deduct	-1,513.06	
		For Class 54 Rating, Add	1,031.63	
		For Class 55 Rating, Add	2,292.97	
40 05 19 00-1028		Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-1029		4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	212.76	58.50
		For Class 52 Rating, Deduct	-13.65	
		For Class 54 Rating, Add	9.31	
		For Class 55 Rating, Add	20.69	
40 05 19 00-1031	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	236.56	59.52
		For Class 52 Rating, Deduct	-16.10	
		For Class 54 Rating, Add	10.98	
		For Class 55 Rating, Add	24.40	
40 05 19 00-1032	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	260.37	60.55
		For Class 52 Rating, Deduct	-18.55	
		For Class 54 Rating, Add	12.65	
		For Class 55 Rating, Add	28.11	
40 05 19 00-1033	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	284.17	61.56
		For Class 52 Rating, Deduct	-21.00	
		For Class 54 Rating, Add	14.32	
		For Class 55 Rating, Add	31.82	
40 05 19 00-1034	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	307.97	62.59
		For Class 52 Rating, Deduct	-23.45	
		For Class 54 Rating, Add	15.99	
		For Class 55 Rating, Add	35.53	
40 05 19 00-1035	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	331.78	63.61
		For Class 52 Rating, Deduct	-25.89	
		For Class 54 Rating, Add	17.66	
		For Class 55 Rating, Add	39.24	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1036	EA		4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	355.59	64.64
			For Class 52 Rating, Deduct	-28.34	
			For Class 54 Rating, Add	19.32	
			For Class 55 Rating, Add	42.95	
40 05 19 00-1037	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	379.39	65.65
			For Class 52 Rating, Deduct	-30.79	
			For Class 54 Rating, Add	20.99	
			For Class 55 Rating, Add	46.66	
40 05 19 00-1038	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	403.20	66.68
			For Class 52 Rating, Deduct	-33.24	
			For Class 54 Rating, Add	22.66	
			For Class 55 Rating, Add	50.37	
40 05 19 00-1039	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	427.00	67.70
			For Class 52 Rating, Deduct	-35.69	
			For Class 54 Rating, Add	24.33	
			For Class 55 Rating, Add	54.08	
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	450.81	68.72
			For Class 52 Rating, Deduct	-38.13	
			For Class 54 Rating, Add	26.00	
			For Class 55 Rating, Add	57.79	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	474.62	69.75
			For Class 52 Rating, Deduct	-40.58	
			For Class 54 Rating, Add	27.67	
			For Class 55 Rating, Add	61.50	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	498.42	70.77
			For Class 52 Rating, Deduct	-43.03	
			For Class 54 Rating, Add	29.34	
			For Class 55 Rating, Add	65.21	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	522.23	71.80
			For Class 52 Rating, Deduct	-45.48	
			For Class 54 Rating, Add	31.01	
			For Class 55 Rating, Add	68.92	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	546.03	72.81
			For Class 52 Rating, Deduct	-47.93	
			For Class 54 Rating, Add	32.68	
			For Class 55 Rating, Add	72.63	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	569.83	73.84
			For Class 52 Rating, Deduct	-50.38	
			For Class 54 Rating, Add	34.35	
			For Class 55 Rating, Add	76.34	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	593.65	74.86
			For Class 52 Rating, Deduct	-52.82	
			For Class 54 Rating, Add	36.02	
			For Class 55 Rating, Add	80.05	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	617.44	75.88
			For Class 52 Rating, Deduct	-55.27	
			For Class 54 Rating, Add	37.69	
			For Class 55 Rating, Add	83.76	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	641.26	76.90
			For Class 52 Rating, Deduct	-57.72	
			For Class 54 Rating, Add	39.35	
			For Class 55 Rating, Add	87.47	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	665.05	77.93
			For Class 52 Rating, Deduct	-60.17	
			For Class 54 Rating, Add	41.02	
			For Class 55 Rating, Add	91.18	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	688.87	78.95
			For Class 52 Rating, Deduct	-62.62	
			For Class 54 Rating, Add	42.69	
			For Class 55 Rating, Add	94.89	
40 05 19 00-1051	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	712.67	79.97
			For Class 52 Rating, Deduct	-65.07	
			For Class 54 Rating, Add	44.36	
			For Class 55 Rating, Add	98.60	
40 05 19 00-1052	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	736.48	80.99
			For Class 52 Rating, Deduct	-67.51	
			For Class 54 Rating, Add	46.03	
			For Class 55 Rating, Add	102.31	
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	760.28	82.02
			For Class 52 Rating, Deduct	-69.96	
			For Class 54 Rating, Add	47.70	
			For Class 55 Rating, Add	106.02	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	784.08	83.04
			For Class 52 Rating, Deduct	-72.41	
			For Class 54 Rating, Add	49.37	
			For Class 55 Rating, Add	109.73	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	807.89	84.06
			For Class 52 Rating, Deduct	-74.86	
			For Class 54 Rating, Add	51.04	
			For Class 55 Rating, Add	113.44	
40 05 19 00-1056	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	831.70	85.09
			For Class 52 Rating, Deduct	-77.31	
			For Class 54 Rating, Add	52.71	
			For Class 55 Rating, Add	117.15	
40 05 19 00-1057	EA		4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	855.50	86.11
			For Class 52 Rating, Deduct	-79.75	
			For Class 54 Rating, Add	54.38	
			For Class 55 Rating, Add	120.86	
40 05 19 00-1058	EA		4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	879.31	87.14
			For Class 52 Rating, Deduct	-82.20	
			For Class 54 Rating, Add	56.05	
			For Class 55 Rating, Add	124.57	
40 05 19 00-1059	EA		4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.11	88.15
			For Class 52 Rating, Deduct	-84.65	
			For Class 54 Rating, Add	57.72	
			For Class 55 Rating, Add	128.28	
40 05 19 00-1060	EA		4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	926.92	89.18
			For Class 52 Rating, Deduct	-87.10	
			For Class 54 Rating, Add	59.39	
			For Class 55 Rating, Add	131.99	
40 05 19 00-1061	EA		4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	950.73	90.20
			For Class 52 Rating, Deduct	-89.55	
			For Class 54 Rating, Add	61.05	
			For Class 55 Rating, Add	135.70	
40 05 19 00-1062	EA		4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	974.53	91.23
			For Class 52 Rating, Deduct	-91.99	
			For Class 54 Rating, Add	62.72	
			For Class 55 Rating, Add	139.41	
40 05 19 00-1063	EA		4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	998.34	92.24
			For Class 52 Rating, Deduct	-94.44	
			For Class 54 Rating, Add	64.39	
			For Class 55 Rating, Add	143.12	
40 05 19 00-1064	EA		4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,022.14	93.27
			For Class 52 Rating, Deduct	-96.89	
			For Class 54 Rating, Add	66.06	
			For Class 55 Rating, Add	146.83	
40 05 19 00-1065	EA		4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,045.94	94.29
			For Class 52 Rating, Deduct	-99.34	
			For Class 54 Rating, Add	67.73	
			For Class 55 Rating, Add	150.54	
40 05 19 00-1066	EA		4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,069.76	95.31
			For Class 52 Rating, Deduct	-101.79	
			For Class 54 Rating, Add	69.40	
			For Class 55 Rating, Add	154.25	
40 05 19 00-1067	EA		4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,093.55	96.34
			For Class 52 Rating, Deduct	-104.23	
			For Class 54 Rating, Add	71.07	
			For Class 55 Rating, Add	157.96	
40 05 19 00-1068	EA		4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,117.37	97.36
			For Class 52 Rating, Deduct	-106.68	
			For Class 54 Rating, Add	72.74	
			For Class 55 Rating, Add	161.67	
40 05 19 00-1069			6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1070	EA		6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	266.51	73.64
			For Class 52 Rating, Deduct	-17.04	
			For Class 54 Rating, Add	11.62	
			For Class 55 Rating, Add	25.83	
40 05 19 00-1071	EA		6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	295.45	74.66
			For Class 52 Rating, Deduct	-20.06	
			For Class 54 Rating, Add	13.67	
			For Class 55 Rating, Add	30.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1072 EA 6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	324.38 -23.07 15.73 34.96	75.68
40 05 19 00-1073 EA 6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	353.33 -26.08 17.78 39.53	76.70
40 05 19 00-1074 EA 6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	382.26 -29.10 19.84 44.09	77.73
40 05 19 00-1075 EA 6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	411.22 -32.11 21.89 48.66	78.74
40 05 19 00-1076 EA 6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	440.15 -35.12 23.95 53.23	79.77
40 05 19 00-1077 EA 6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	469.10 -38.13 26.00 57.79	80.80
40 05 19 00-1078 EA 6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	498.03 -41.15 28.06 62.36	81.82
40 05 19 00-1079 EA 6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	526.98 -44.16 30.11 66.92	82.84
40 05 19 00-1080 EA 6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	555.92 -47.17 32.16 71.49	83.86
40 05 19 00-1081 EA 6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	584.87 -50.19 34.22 76.06	84.89
40 05 19 00-1082 EA 6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	613.80 -53.20 36.27 80.62	85.90
40 05 19 00-1083 EA 6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	642.74 -56.21 38.33 85.19	86.93
40 05 19 00-1084 EA 6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	671.68 -59.23 40.38 89.75	87.95
40 05 19 00-1085 EA 6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	700.63 -62.24 42.44 94.32	88.98
40 05 19 00-1086 EA 6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	729.57 -65.25 44.49 98.89	89.99
40 05 19 00-1087 EA 6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	758.51 -68.27 46.55 103.45	91.02
40 05 19 00-1088 EA 6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	787.45 -71.28 48.60 108.02	92.04
40 05 19 00-1089 EA 6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add	816.39 -74.29 50.65 112.59	93.07

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1090	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	845.34	94.09
			For Class 52 Rating, Deduct	-77.31	
			For Class 54 Rating, Add	52.71	
			For Class 55 Rating, Add	117.15	
40 05 19 00-1091	EA		6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	874.28	95.11
			For Class 52 Rating, Deduct	-80.32	
			For Class 54 Rating, Add	54.76	
			For Class 55 Rating, Add	121.72	
40 05 19 00-1092	EA		6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.21	96.14
			For Class 52 Rating, Deduct	-83.33	
			For Class 54 Rating, Add	56.82	
			For Class 55 Rating, Add	126.29	
40 05 19 00-1093	EA		6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	932.16	97.15
			For Class 52 Rating, Deduct	-86.34	
			For Class 54 Rating, Add	58.87	
			For Class 55 Rating, Add	130.85	
40 05 19 00-1094	EA		6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	961.09	98.18
			For Class 52 Rating, Deduct	-89.36	
			For Class 54 Rating, Add	60.93	
			For Class 55 Rating, Add	135.42	
40 05 19 00-1095	EA		6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	990.05	99.20
			For Class 52 Rating, Deduct	-92.37	
			For Class 54 Rating, Add	62.98	
			For Class 55 Rating, Add	139.98	
40 05 19 00-1096	EA		6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,018.98	100.23
			For Class 52 Rating, Deduct	-95.38	
			For Class 54 Rating, Add	65.03	
			For Class 55 Rating, Add	144.55	
40 05 19 00-1097	EA		6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,047.93	101.24
			For Class 52 Rating, Deduct	-98.40	
			For Class 54 Rating, Add	67.09	
			For Class 55 Rating, Add	149.12	
40 05 19 00-1098	EA		6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,076.86	102.27
			For Class 52 Rating, Deduct	-101.41	
			For Class 54 Rating, Add	69.14	
			For Class 55 Rating, Add	153.68	
40 05 19 00-1099	EA		6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,105.81	103.29
			For Class 52 Rating, Deduct	-104.42	
			For Class 54 Rating, Add	71.20	
			For Class 55 Rating, Add	158.25	
40 05 19 00-1100	EA		6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,134.75	104.31
			For Class 52 Rating, Deduct	-107.44	
			For Class 54 Rating, Add	73.25	
			For Class 55 Rating, Add	162.82	
40 05 19 00-1101	EA		6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,163.70	105.33
			For Class 52 Rating, Deduct	-110.45	
			For Class 54 Rating, Add	75.31	
			For Class 55 Rating, Add	167.38	
40 05 19 00-1102	EA		6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,192.63	106.36
			For Class 52 Rating, Deduct	-113.46	
			For Class 54 Rating, Add	77.36	
			For Class 55 Rating, Add	171.95	
40 05 19 00-1103	EA		6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,221.57	107.39
			For Class 52 Rating, Deduct	-116.48	
			For Class 54 Rating, Add	79.42	
			For Class 55 Rating, Add	176.51	
40 05 19 00-1104	EA		6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,250.51	108.40
			For Class 52 Rating, Deduct	-119.49	
			For Class 54 Rating, Add	81.47	
			For Class 55 Rating, Add	181.08	
40 05 19 00-1105	EA		6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,279.46	109.43
			For Class 52 Rating, Deduct	-122.50	
			For Class 54 Rating, Add	83.52	
			For Class 55 Rating, Add	185.65	
40 05 19 00-1106	EA		6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,308.40	110.45
			For Class 52 Rating, Deduct	-125.52	
			For Class 54 Rating, Add	85.58	
			For Class 55 Rating, Add	190.21	
40 05 19 00-1107	EA		6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,337.34	111.47
			For Class 52 Rating, Deduct	-128.53	
			For Class 54 Rating, Add	87.63	
			For Class 55 Rating, Add	194.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1108	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,366.28	112.49
			For Class 52 Rating, Deduct	-131.54	
			For Class 54 Rating, Add	89.69	
			For Class 55 Rating, Add	199.34	
40 05 19 00-1109			8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1110	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	367.69	94.09
			For Class 52 Rating, Deduct	-24.76	
			For Class 54 Rating, Add	16.88	
			For Class 55 Rating, Add	37.53	
40 05 19 00-1111	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	406.90	95.11
			For Class 52 Rating, Deduct	-28.91	
			For Class 54 Rating, Add	19.71	
			For Class 55 Rating, Add	43.81	
40 05 19 00-1112	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	446.11	96.14
			For Class 52 Rating, Deduct	-33.05	
			For Class 54 Rating, Add	22.53	
			For Class 55 Rating, Add	50.09	
40 05 19 00-1113	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	485.33	97.15
			For Class 52 Rating, Deduct	-37.19	
			For Class 54 Rating, Add	25.36	
			For Class 55 Rating, Add	56.36	
40 05 19 00-1114	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	524.53	98.18
			For Class 52 Rating, Deduct	-41.34	
			For Class 54 Rating, Add	28.18	
			For Class 55 Rating, Add	62.64	
40 05 19 00-1115	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	563.76	99.20
			For Class 52 Rating, Deduct	-45.48	
			For Class 54 Rating, Add	31.01	
			For Class 55 Rating, Add	68.92	
40 05 19 00-1116	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	602.96	100.23
			For Class 52 Rating, Deduct	-49.62	
			For Class 54 Rating, Add	33.83	
			For Class 55 Rating, Add	75.20	
40 05 19 00-1117	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	642.19	101.24
			For Class 52 Rating, Deduct	-53.77	
			For Class 54 Rating, Add	36.66	
			For Class 55 Rating, Add	81.48	
40 05 19 00-1118	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	681.39	102.27
			For Class 52 Rating, Deduct	-57.91	
			For Class 54 Rating, Add	39.48	
			For Class 55 Rating, Add	87.76	
40 05 19 00-1119	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	720.61	103.29
			For Class 52 Rating, Deduct	-62.05	
			For Class 54 Rating, Add	42.31	
			For Class 55 Rating, Add	94.04	
40 05 19 00-1120	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	759.82	104.31
			For Class 52 Rating, Deduct	-66.19	
			For Class 54 Rating, Add	45.13	
			For Class 55 Rating, Add	100.32	
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	799.04	105.33
			For Class 52 Rating, Deduct	-70.34	
			For Class 54 Rating, Add	47.96	
			For Class 55 Rating, Add	106.59	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	838.25	106.36
			For Class 52 Rating, Deduct	-74.48	
			For Class 54 Rating, Add	50.78	
			For Class 55 Rating, Add	112.87	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	877.46	107.39
			For Class 52 Rating, Deduct	-78.62	
			For Class 54 Rating, Add	53.61	
			For Class 55 Rating, Add	119.15	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	916.67	108.40
			For Class 52 Rating, Deduct	-82.77	
			For Class 54 Rating, Add	56.43	
			For Class 55 Rating, Add	125.43	
40 05 19 00-1125	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	955.89	109.43
			For Class 52 Rating, Deduct	-86.91	
			For Class 54 Rating, Add	59.26	
			For Class 55 Rating, Add	131.71	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	995.10	110.45
		For Class 52 Rating, Deduct	-91.05	
		For Class 54 Rating, Add	62.08	
		For Class 55 Rating, Add	137.99	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,034.32	111.47
		For Class 52 Rating, Deduct	-95.20	
		For Class 54 Rating, Add	64.91	
		For Class 55 Rating, Add	144.27	
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,073.53	112.49
		For Class 52 Rating, Deduct	-99.34	
		For Class 54 Rating, Add	67.73	
		For Class 55 Rating, Add	150.54	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,112.74	113.52
		For Class 52 Rating, Deduct	-103.48	
		For Class 54 Rating, Add	70.56	
		For Class 55 Rating, Add	156.82	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,151.96	114.54
		For Class 52 Rating, Deduct	-107.63	
		For Class 54 Rating, Add	73.38	
		For Class 55 Rating, Add	163.10	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,191.17	115.56
		For Class 52 Rating, Deduct	-111.77	
		For Class 54 Rating, Add	76.21	
		For Class 55 Rating, Add	169.38	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,230.39	116.58
		For Class 52 Rating, Deduct	-115.91	
		For Class 54 Rating, Add	79.03	
		For Class 55 Rating, Add	175.66	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,269.60	117.61
		For Class 52 Rating, Deduct	-120.05	
		For Class 54 Rating, Add	81.86	
		For Class 55 Rating, Add	181.94	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,308.80	118.63
		For Class 52 Rating, Deduct	-124.20	
		For Class 54 Rating, Add	84.68	
		For Class 55 Rating, Add	188.21	
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,348.03	119.65
		For Class 52 Rating, Deduct	-128.34	
		For Class 54 Rating, Add	87.50	
		For Class 55 Rating, Add	194.49	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,387.23	120.68
		For Class 52 Rating, Deduct	-132.48	
		For Class 54 Rating, Add	90.33	
		For Class 55 Rating, Add	200.77	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,426.46	121.70
		For Class 52 Rating, Deduct	-136.63	
		For Class 54 Rating, Add	93.15	
		For Class 55 Rating, Add	207.05	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,465.66	122.73
		For Class 52 Rating, Deduct	-140.77	
		For Class 54 Rating, Add	95.98	
		For Class 55 Rating, Add	213.33	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,504.88	123.74
		For Class 52 Rating, Deduct	-144.91	
		For Class 54 Rating, Add	98.80	
		For Class 55 Rating, Add	219.61	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,544.09	124.77
		For Class 52 Rating, Deduct	-149.06	
		For Class 54 Rating, Add	101.63	
		For Class 55 Rating, Add	225.89	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,583.31	125.79
		For Class 52 Rating, Deduct	-153.20	
		For Class 54 Rating, Add	104.45	
		For Class 55 Rating, Add	232.16	
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,622.52	126.82
		For Class 52 Rating, Deduct	-157.34	
		For Class 54 Rating, Add	107.28	
		For Class 55 Rating, Add	238.44	
40 05 19 00-1143	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,661.74	127.83
		For Class 52 Rating, Deduct	-161.48	
		For Class 54 Rating, Add	110.10	
		For Class 55 Rating, Add	244.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1144	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,700.94	128.86
			For Class 52 Rating, Deduct	-165.63	
			For Class 54 Rating, Add	112.93	
			For Class 55 Rating, Add	251.00	
40 05 19 00-1145	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,740.16	129.88
			For Class 52 Rating, Deduct	-169.77	
			For Class 54 Rating, Add	115.75	
			For Class 55 Rating, Add	257.28	
40 05 19 00-1146	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,779.37	130.90
			For Class 52 Rating, Deduct	-173.91	
			For Class 54 Rating, Add	118.58	
			For Class 55 Rating, Add	263.56	
40 05 19 00-1147	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,818.59	131.92
			For Class 52 Rating, Deduct	-178.06	
			For Class 54 Rating, Add	121.40	
			For Class 55 Rating, Add	269.84	
40 05 19 00-1148	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,857.80	132.95
			For Class 52 Rating, Deduct	-182.20	
			For Class 54 Rating, Add	124.23	
			For Class 55 Rating, Add	276.12	
40 05 19 00-1149			10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-1028)</small>		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	463.73	114.54
			For Class 52 Rating, Deduct	-31.92	
			For Class 54 Rating, Add	21.76	
			For Class 55 Rating, Add	48.37	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	514.93	115.56
			For Class 52 Rating, Deduct	-37.38	
			For Class 54 Rating, Add	25.49	
			For Class 55 Rating, Add	56.65	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	566.13	116.58
			For Class 52 Rating, Deduct	-42.84	
			For Class 54 Rating, Add	29.21	
			For Class 55 Rating, Add	64.93	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	617.33	117.61
			For Class 52 Rating, Deduct	-48.30	
			For Class 54 Rating, Add	32.93	
			For Class 55 Rating, Add	73.20	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	668.52	118.63
			For Class 52 Rating, Deduct	-53.77	
			For Class 54 Rating, Add	36.66	
			For Class 55 Rating, Add	81.48	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	719.72	119.65
			For Class 52 Rating, Deduct	-59.23	
			For Class 54 Rating, Add	40.38	
			For Class 55 Rating, Add	89.75	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	770.91	120.68
			For Class 52 Rating, Deduct	-64.69	
			For Class 54 Rating, Add	44.11	
			For Class 55 Rating, Add	98.03	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	822.12	121.70
			For Class 52 Rating, Deduct	-70.15	
			For Class 54 Rating, Add	47.83	
			For Class 55 Rating, Add	106.31	
40 05 19 00-1158	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	873.31	122.73
			For Class 52 Rating, Deduct	-75.61	
			For Class 54 Rating, Add	51.55	
			For Class 55 Rating, Add	114.58	
40 05 19 00-1159	EA		10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	924.52	123.74
			For Class 52 Rating, Deduct	-81.07	
			For Class 54 Rating, Add	55.28	
			For Class 55 Rating, Add	122.86	
40 05 19 00-1160	EA		10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	975.70	124.77
			For Class 52 Rating, Deduct	-86.53	
			For Class 54 Rating, Add	59.00	
			For Class 55 Rating, Add	131.14	
40 05 19 00-1161	EA		10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,026.91	125.79
			For Class 52 Rating, Deduct	-91.99	
			For Class 54 Rating, Add	62.72	
			For Class 55 Rating, Add	139.41	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



City of Miami

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,078.10	126.82
		For Class 52 Rating, Deduct	-97.46	
		For Class 54 Rating, Add	66.45	
		For Class 55 Rating, Add	147.69	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,129.31	127.83
		For Class 52 Rating, Deduct	-102.92	
		For Class 54 Rating, Add	70.17	
		For Class 55 Rating, Add	155.97	
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,180.50	128.86
		For Class 52 Rating, Deduct	-108.38	
		For Class 54 Rating, Add	73.89	
		For Class 55 Rating, Add	164.24	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,231.69	129.88
		For Class 52 Rating, Deduct	-113.84	
		For Class 54 Rating, Add	77.62	
		For Class 55 Rating, Add	172.52	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,282.89	130.90
		For Class 52 Rating, Deduct	-119.30	
		For Class 54 Rating, Add	81.34	
		For Class 55 Rating, Add	180.79	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,334.09	131.92
		For Class 52 Rating, Deduct	-124.76	
		For Class 54 Rating, Add	85.07	
		For Class 55 Rating, Add	189.07	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,385.29	132.95
		For Class 52 Rating, Deduct	-130.22	
		For Class 54 Rating, Add	88.79	
		For Class 55 Rating, Add	197.35	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,436.49	133.98
		For Class 52 Rating, Deduct	-135.69	
		For Class 54 Rating, Add	92.51	
		For Class 55 Rating, Add	205.62	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,487.68	134.99
		For Class 52 Rating, Deduct	-141.15	
		For Class 54 Rating, Add	96.24	
		For Class 55 Rating, Add	213.90	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,538.88	136.02
		For Class 52 Rating, Deduct	-146.61	
		For Class 54 Rating, Add	99.96	
		For Class 55 Rating, Add	222.18	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,590.08	137.04
		For Class 52 Rating, Deduct	-152.07	
		For Class 54 Rating, Add	103.68	
		For Class 55 Rating, Add	230.45	
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,641.28	138.07
		For Class 52 Rating, Deduct	-157.53	
		For Class 54 Rating, Add	107.41	
		For Class 55 Rating, Add	238.73	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,692.47	139.08
		For Class 52 Rating, Deduct	-162.99	
		For Class 54 Rating, Add	111.13	
		For Class 55 Rating, Add	247.01	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,743.67	140.11
		For Class 52 Rating, Deduct	-168.45	
		For Class 54 Rating, Add	114.85	
		For Class 55 Rating, Add	255.28	
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,794.86	141.13
		For Class 52 Rating, Deduct	-173.91	
		For Class 54 Rating, Add	118.58	
		For Class 55 Rating, Add	263.56	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,846.07	142.16
		For Class 52 Rating, Deduct	-179.37	
		For Class 54 Rating, Add	122.30	
		For Class 55 Rating, Add	271.83	
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,897.26	143.17
		For Class 52 Rating, Deduct	-184.84	
		For Class 54 Rating, Add	126.02	
		For Class 55 Rating, Add	280.11	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,948.47	144.20
		For Class 52 Rating, Deduct	-190.30	
		For Class 54 Rating, Add	129.75	
		For Class 55 Rating, Add	288.39	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,999.65	145.22
			<i>For Class 52 Rating, Deduct</i>	-195.76	
			<i>For Class 54 Rating, Add</i>	133.47	
			<i>For Class 55 Rating, Add</i>	296.66	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,050.86	146.25
			<i>For Class 52 Rating, Deduct</i>	-201.22	
			<i>For Class 54 Rating, Add</i>	137.20	
			<i>For Class 55 Rating, Add</i>	304.94	
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,102.05	147.27
			<i>For Class 52 Rating, Deduct</i>	-206.68	
			<i>For Class 54 Rating, Add</i>	140.92	
			<i>For Class 55 Rating, Add</i>	313.22	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,153.26	148.29
			<i>For Class 52 Rating, Deduct</i>	-212.14	
			<i>For Class 54 Rating, Add</i>	144.64	
			<i>For Class 55 Rating, Add</i>	321.49	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,204.45	149.32
			<i>For Class 52 Rating, Deduct</i>	-217.60	
			<i>For Class 54 Rating, Add</i>	148.37	
			<i>For Class 55 Rating, Add</i>	329.77	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,255.64	150.34
			<i>For Class 52 Rating, Deduct</i>	-223.06	
			<i>For Class 54 Rating, Add</i>	152.09	
			<i>For Class 55 Rating, Add</i>	338.04	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,306.84	151.36
			<i>For Class 52 Rating, Deduct</i>	-228.53	
			<i>For Class 54 Rating, Add</i>	155.81	
			<i>For Class 55 Rating, Add</i>	346.32	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,358.04	152.38
			<i>For Class 52 Rating, Deduct</i>	-233.99	
			<i>For Class 54 Rating, Add</i>	159.54	
			<i>For Class 55 Rating, Add</i>	354.60	
40 05 19 00-1188	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,409.24	153.41
			<i>For Class 52 Rating, Deduct</i>	-239.45	
			<i>For Class 54 Rating, Add</i>	163.26	
			<i>For Class 55 Rating, Add</i>	362.87	
40 05 19 00-1189			12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1190	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	603.84	143.17
			<i>For Class 52 Rating, Deduct</i>	-42.56	
			<i>For Class 54 Rating, Add</i>	29.02	
			<i>For Class 55 Rating, Add</i>	64.50	
40 05 19 00-1191	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	667.89	144.20
			<i>For Class 52 Rating, Deduct</i>	-49.43	
			<i>For Class 54 Rating, Add</i>	33.71	
			<i>For Class 55 Rating, Add</i>	74.91	
40 05 19 00-1192	EA		12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	731.92	145.22
			<i>For Class 52 Rating, Deduct</i>	-56.31	
			<i>For Class 54 Rating, Add</i>	38.39	
			<i>For Class 55 Rating, Add</i>	85.33	
40 05 19 00-1193	EA		12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	795.97	146.25
			<i>For Class 52 Rating, Deduct</i>	-63.18	
			<i>For Class 54 Rating, Add</i>	43.08	
			<i>For Class 55 Rating, Add</i>	95.75	
40 05 19 00-1194	EA		12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	859.99	147.27
			<i>For Class 52 Rating, Deduct</i>	-70.05	
			<i>For Class 54 Rating, Add</i>	47.76	
			<i>For Class 55 Rating, Add</i>	106.16	
40 05 19 00-1195	EA		12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	924.04	148.29
			<i>For Class 52 Rating, Deduct</i>	-76.93	
			<i>For Class 54 Rating, Add</i>	52.45	
			<i>For Class 55 Rating, Add</i>	116.58	
40 05 19 00-1196	EA		12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	988.07	149.32
			<i>For Class 52 Rating, Deduct</i>	-83.80	
			<i>For Class 54 Rating, Add</i>	57.14	
			<i>For Class 55 Rating, Add</i>	127.00	
40 05 19 00-1197	EA		12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,052.11	150.34
			<i>For Class 52 Rating, Deduct</i>	-90.68	
			<i>For Class 54 Rating, Add</i>	61.82	
			<i>For Class 55 Rating, Add</i>	137.42	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,116.15	151.36
		For Class 52 Rating, Deduct	-97.55	
		For Class 54 Rating, Add	66.51	
		For Class 55 Rating, Add	147.83	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,180.18	152.38
		For Class 52 Rating, Deduct	-104.42	
		For Class 54 Rating, Add	71.20	
		For Class 55 Rating, Add	158.25	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,244.22	153.41
		For Class 52 Rating, Deduct	-111.30	
		For Class 54 Rating, Add	75.88	
		For Class 55 Rating, Add	168.67	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,308.26	154.42
		For Class 52 Rating, Deduct	-118.17	
		For Class 54 Rating, Add	80.57	
		For Class 55 Rating, Add	179.08	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,372.30	155.45
		For Class 52 Rating, Deduct	-125.04	
		For Class 54 Rating, Add	85.26	
		For Class 55 Rating, Add	189.50	
40 05 19 00-1203	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,436.34	156.47
		For Class 52 Rating, Deduct	-131.92	
		For Class 54 Rating, Add	89.94	
		For Class 55 Rating, Add	199.92	
40 05 19 00-1204	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,500.37	157.50
		For Class 52 Rating, Deduct	-138.79	
		For Class 54 Rating, Add	94.63	
		For Class 55 Rating, Add	210.33	
40 05 19 00-1205	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,564.41	158.51
		For Class 52 Rating, Deduct	-145.67	
		For Class 54 Rating, Add	99.32	
		For Class 55 Rating, Add	220.75	
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,628.45	159.54
		For Class 52 Rating, Deduct	-152.54	
		For Class 54 Rating, Add	104.00	
		For Class 55 Rating, Add	231.17	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,692.49	160.57
		For Class 52 Rating, Deduct	-159.41	
		For Class 54 Rating, Add	108.69	
		For Class 55 Rating, Add	241.58	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,756.52	161.59
		For Class 52 Rating, Deduct	-166.29	
		For Class 54 Rating, Add	113.38	
		For Class 55 Rating, Add	252.00	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,820.56	162.61
		For Class 52 Rating, Deduct	-173.16	
		For Class 54 Rating, Add	118.06	
		For Class 55 Rating, Add	262.42	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,884.59	163.63
		For Class 52 Rating, Deduct	-180.03	
		For Class 54 Rating, Add	122.75	
		For Class 55 Rating, Add	272.83	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,948.64	164.66
		For Class 52 Rating, Deduct	-186.91	
		For Class 54 Rating, Add	127.44	
		For Class 55 Rating, Add	283.25	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,012.67	165.68
		For Class 52 Rating, Deduct	-193.78	
		For Class 54 Rating, Add	132.12	
		For Class 55 Rating, Add	293.67	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,076.72	166.70
		For Class 52 Rating, Deduct	-200.66	
		For Class 54 Rating, Add	136.81	
		For Class 55 Rating, Add	304.08	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,140.74	167.72
		For Class 52 Rating, Deduct	-207.53	
		For Class 54 Rating, Add	141.50	
		For Class 55 Rating, Add	314.50	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,204.79	168.75
		For Class 52 Rating, Deduct	-214.40	
		For Class 54 Rating, Add	146.18	
		For Class 55 Rating, Add	324.92	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,268.82	169.77
			For Class 52 Rating, Deduct	-221.28	
			For Class 54 Rating, Add	150.87	
			For Class 55 Rating, Add	335.33	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,332.87	170.79
			For Class 52 Rating, Deduct	-228.15	
			For Class 54 Rating, Add	155.56	
			For Class 55 Rating, Add	345.75	
40 05 19 00-1218	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,396.90	171.81
			For Class 52 Rating, Deduct	-235.02	
			For Class 54 Rating, Add	160.24	
			For Class 55 Rating, Add	356.17	
40 05 19 00-1219	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,460.93	172.84
			For Class 52 Rating, Deduct	-241.90	
			For Class 54 Rating, Add	164.93	
			For Class 55 Rating, Add	366.58	
40 05 19 00-1220	EA		12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,524.97	173.86
			For Class 52 Rating, Deduct	-248.77	
			For Class 54 Rating, Add	169.62	
			For Class 55 Rating, Add	377.00	
40 05 19 00-1221	EA		12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,589.01	174.88
			For Class 52 Rating, Deduct	-255.64	
			For Class 54 Rating, Add	174.30	
			For Class 55 Rating, Add	387.42	
40 05 19 00-1222	EA		12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,653.05	175.91
			For Class 52 Rating, Deduct	-262.52	
			For Class 54 Rating, Add	178.99	
			For Class 55 Rating, Add	397.83	
40 05 19 00-1223	EA		12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,717.09	176.93
			For Class 52 Rating, Deduct	-269.39	
			For Class 54 Rating, Add	183.68	
			For Class 55 Rating, Add	408.25	
40 05 19 00-1224	EA		12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,781.12	177.95
			For Class 52 Rating, Deduct	-276.27	
			For Class 54 Rating, Add	188.36	
			For Class 55 Rating, Add	418.67	
40 05 19 00-1225	EA		12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,845.16	178.97
			For Class 52 Rating, Deduct	-283.14	
			For Class 54 Rating, Add	193.05	
			For Class 55 Rating, Add	429.08	
40 05 19 00-1226	EA		12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,909.20	180.00
			For Class 52 Rating, Deduct	-290.01	
			For Class 54 Rating, Add	197.74	
			For Class 55 Rating, Add	439.50	
40 05 19 00-1227	EA		12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,973.24	181.01
			For Class 52 Rating, Deduct	-296.89	
			For Class 54 Rating, Add	202.42	
			For Class 55 Rating, Add	449.92	
40 05 19 00-1228	EA		12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,037.27	182.04
			For Class 52 Rating, Deduct	-303.76	
			For Class 54 Rating, Add	207.11	
			For Class 55 Rating, Add	460.34	
40 05 19 00-1229			14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-1028)</small>		
40 05 19 00-1230	EA		14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	812.44	171.81
			For Class 52 Rating, Deduct	-60.73	
			For Class 54 Rating, Add	41.41	
			For Class 55 Rating, Add	92.04	
40 05 19 00-1231	EA		14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	890.17	172.84
			For Class 52 Rating, Deduct	-69.11	
			For Class 54 Rating, Add	47.12	
			For Class 55 Rating, Add	104.74	
40 05 19 00-1232	EA		14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	967.91	173.86
			For Class 52 Rating, Deduct	-77.49	
			For Class 54 Rating, Add	52.84	
			For Class 55 Rating, Add	117.44	
40 05 19 00-1233	EA		14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,045.64	174.88
			For Class 52 Rating, Deduct	-85.87	
			For Class 54 Rating, Add	58.55	
			For Class 55 Rating, Add	130.14	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,123.38	175.91
		For Class 52 Rating, Deduct	-94.25	
		For Class 54 Rating, Add	64.26	
		For Class 55 Rating, Add	142.84	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,201.11	176.93
		For Class 52 Rating, Deduct	-102.63	
		For Class 54 Rating, Add	69.98	
		For Class 55 Rating, Add	155.54	
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,278.84	177.95
		For Class 52 Rating, Deduct	-111.01	
		For Class 54 Rating, Add	75.69	
		For Class 55 Rating, Add	168.24	
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,356.58	178.97
		For Class 52 Rating, Deduct	-119.40	
		For Class 54 Rating, Add	81.41	
		For Class 55 Rating, Add	180.94	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,434.31	180.00
		For Class 52 Rating, Deduct	-127.77	
		For Class 54 Rating, Add	87.12	
		For Class 55 Rating, Add	193.64	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,512.05	181.01
		For Class 52 Rating, Deduct	-136.16	
		For Class 54 Rating, Add	92.83	
		For Class 55 Rating, Add	206.34	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,589.77	182.04
		For Class 52 Rating, Deduct	-144.54	
		For Class 54 Rating, Add	98.55	
		For Class 55 Rating, Add	219.04	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,667.51	183.06
		For Class 52 Rating, Deduct	-152.92	
		For Class 54 Rating, Add	104.26	
		For Class 55 Rating, Add	231.74	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,745.24	184.09
		For Class 52 Rating, Deduct	-161.30	
		For Class 54 Rating, Add	109.97	
		For Class 55 Rating, Add	244.44	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,822.98	185.10
		For Class 52 Rating, Deduct	-169.68	
		For Class 54 Rating, Add	115.69	
		For Class 55 Rating, Add	257.14	
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,900.71	186.13
		For Class 52 Rating, Deduct	-178.06	
		For Class 54 Rating, Add	121.40	
		For Class 55 Rating, Add	269.84	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,978.45	187.16
		For Class 52 Rating, Deduct	-186.44	
		For Class 54 Rating, Add	127.12	
		For Class 55 Rating, Add	262.54	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,056.17	188.17
		For Class 52 Rating, Deduct	-194.82	
		For Class 54 Rating, Add	132.83	
		For Class 55 Rating, Add	295.24	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,133.92	189.20
		For Class 52 Rating, Deduct	-203.20	
		For Class 54 Rating, Add	138.54	
		For Class 55 Rating, Add	307.94	
40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,211.64	190.22
		For Class 52 Rating, Deduct	-211.58	
		For Class 54 Rating, Add	144.26	
		For Class 55 Rating, Add	320.64	
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,289.39	191.25
		For Class 52 Rating, Deduct	-219.96	
		For Class 54 Rating, Add	149.97	
		For Class 55 Rating, Add	333.34	
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,367.11	192.26
		For Class 52 Rating, Deduct	-228.34	
		For Class 54 Rating, Add	155.69	
		For Class 55 Rating, Add	346.04	
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,444.84	193.29
		For Class 52 Rating, Deduct	-236.72	
		For Class 54 Rating, Add	161.40	
		For Class 55 Rating, Add	358.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1252	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,522.58	194.31
			<i>For Class 52 Rating, Deduct</i>	-245.10	
			<i>For Class 54 Rating, Add</i>	167.11	
			<i>For Class 55 Rating, Add</i>	371.44	
40 05 19 00-1253	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,600.31	195.34
			<i>For Class 52 Rating, Deduct</i>	-253.48	
			<i>For Class 54 Rating, Add</i>	172.83	
			<i>For Class 55 Rating, Add</i>	384.14	
40 05 19 00-1254	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,678.05	196.35
			<i>For Class 52 Rating, Deduct</i>	-261.86	
			<i>For Class 54 Rating, Add</i>	178.54	
			<i>For Class 55 Rating, Add</i>	396.84	
40 05 19 00-1255	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,755.78	197.38
			<i>For Class 52 Rating, Deduct</i>	-270.24	
			<i>For Class 54 Rating, Add</i>	184.25	
			<i>For Class 55 Rating, Add</i>	409.54	
40 05 19 00-1256	EA		14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,833.51	198.40
			<i>For Class 52 Rating, Deduct</i>	-278.62	
			<i>For Class 54 Rating, Add</i>	189.97	
			<i>For Class 55 Rating, Add</i>	422.23	
40 05 19 00-1257	EA		14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,911.25	199.42
			<i>For Class 52 Rating, Deduct</i>	-287.00	
			<i>For Class 54 Rating, Add</i>	195.68	
			<i>For Class 55 Rating, Add</i>	434.94	
40 05 19 00-1258	EA		14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,988.98	200.45
			<i>For Class 52 Rating, Deduct</i>	-295.38	
			<i>For Class 54 Rating, Add</i>	201.40	
			<i>For Class 55 Rating, Add</i>	447.63	
40 05 19 00-1259	EA		14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,066.72	201.47
			<i>For Class 52 Rating, Deduct</i>	-303.76	
			<i>For Class 54 Rating, Add</i>	207.11	
			<i>For Class 55 Rating, Add</i>	460.34	
40 05 19 00-1260	EA		14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,144.45	202.50
			<i>For Class 52 Rating, Deduct</i>	-312.14	
			<i>For Class 54 Rating, Add</i>	212.82	
			<i>For Class 55 Rating, Add</i>	473.03	
40 05 19 00-1261	EA		14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,222.18	203.51
			<i>For Class 52 Rating, Deduct</i>	-320.52	
			<i>For Class 54 Rating, Add</i>	218.54	
			<i>For Class 55 Rating, Add</i>	485.73	
40 05 19 00-1262	EA		14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,299.91	204.54
			<i>For Class 52 Rating, Deduct</i>	-328.90	
			<i>For Class 54 Rating, Add</i>	224.25	
			<i>For Class 55 Rating, Add</i>	498.43	
40 05 19 00-1263	EA		14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,377.65	205.56
			<i>For Class 52 Rating, Deduct</i>	-337.28	
			<i>For Class 54 Rating, Add</i>	229.96	
			<i>For Class 55 Rating, Add</i>	511.13	
40 05 19 00-1264	EA		14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,455.38	206.58
			<i>For Class 52 Rating, Deduct</i>	-345.66	
			<i>For Class 54 Rating, Add</i>	235.68	
			<i>For Class 55 Rating, Add</i>	523.83	
40 05 19 00-1265	EA		14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,533.12	207.60
			<i>For Class 52 Rating, Deduct</i>	-354.04	
			<i>For Class 54 Rating, Add</i>	241.39	
			<i>For Class 55 Rating, Add</i>	536.53	
40 05 19 00-1266	EA		14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,610.84	208.63
			<i>For Class 52 Rating, Deduct</i>	-362.42	
			<i>For Class 54 Rating, Add</i>	247.11	
			<i>For Class 55 Rating, Add</i>	549.23	
40 05 19 00-1267	EA		14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,688.59	209.65
			<i>For Class 52 Rating, Deduct</i>	-370.80	
			<i>For Class 54 Rating, Add</i>	252.82	
			<i>For Class 55 Rating, Add</i>	561.93	
40 05 19 00-1268			16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
40 05 19 00-1269	EA		16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	950.64	196.35
			<i>For Class 52 Rating, Deduct</i>	-71.84	
			<i>For Class 54 Rating, Add</i>	48.98	
			<i>For Class 55 Rating, Add</i>	108.88	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,041.21	197.38
		<i>For Class 52 Rating, Deduct</i>	-81.64	
		<i>For Class 54 Rating, Add</i>	55.66	
		<i>For Class 55 Rating, Add</i>	123.72	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,131.79	198.40
		<i>For Class 52 Rating, Deduct</i>	-91.43	
		<i>For Class 54 Rating, Add</i>	62.34	
		<i>For Class 55 Rating, Add</i>	138.56	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,222.36	199.42
		<i>For Class 52 Rating, Deduct</i>	-101.22	
		<i>For Class 54 Rating, Add</i>	69.02	
		<i>For Class 55 Rating, Add</i>	153.40	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,312.93	200.45
		<i>For Class 52 Rating, Deduct</i>	-111.01	
		<i>For Class 54 Rating, Add</i>	75.69	
		<i>For Class 55 Rating, Add</i>	168.24	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,403.51	201.47
		<i>For Class 52 Rating, Deduct</i>	-120.81	
		<i>For Class 54 Rating, Add</i>	82.37	
		<i>For Class 55 Rating, Add</i>	183.08	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,494.08	202.50
		<i>For Class 52 Rating, Deduct</i>	-130.60	
		<i>For Class 54 Rating, Add</i>	89.05	
		<i>For Class 55 Rating, Add</i>	197.92	
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,584.66	203.51
		<i>For Class 52 Rating, Deduct</i>	-140.39	
		<i>For Class 54 Rating, Add</i>	95.72	
		<i>For Class 55 Rating, Add</i>	212.76	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,675.22	204.54
		<i>For Class 52 Rating, Deduct</i>	-150.19	
		<i>For Class 54 Rating, Add</i>	102.40	
		<i>For Class 55 Rating, Add</i>	227.60	
40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,765.80	205.56
		<i>For Class 52 Rating, Deduct</i>	-159.98	
		<i>For Class 54 Rating, Add</i>	109.08	
		<i>For Class 55 Rating, Add</i>	242.44	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,856.37	206.58
		<i>For Class 52 Rating, Deduct</i>	-169.77	
		<i>For Class 54 Rating, Add</i>	115.75	
		<i>For Class 55 Rating, Add</i>	257.28	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,946.95	207.60
		<i>For Class 52 Rating, Deduct</i>	-179.56	
		<i>For Class 54 Rating, Add</i>	122.43	
		<i>For Class 55 Rating, Add</i>	272.12	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,037.52	208.63
		<i>For Class 52 Rating, Deduct</i>	-189.36	
		<i>For Class 54 Rating, Add</i>	129.11	
		<i>For Class 55 Rating, Add</i>	286.96	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,128.10	209.65
		<i>For Class 52 Rating, Deduct</i>	-199.15	
		<i>For Class 54 Rating, Add</i>	135.78	
		<i>For Class 55 Rating, Add</i>	301.80	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,218.66	210.67
		<i>For Class 52 Rating, Deduct</i>	-208.94	
		<i>For Class 54 Rating, Add</i>	142.46	
		<i>For Class 55 Rating, Add</i>	316.64	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,309.25	211.69
		<i>For Class 52 Rating, Deduct</i>	-218.73	
		<i>For Class 54 Rating, Add</i>	149.14	
		<i>For Class 55 Rating, Add</i>	331.48	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,399.81	212.72
		<i>For Class 52 Rating, Deduct</i>	-228.53	
		<i>For Class 54 Rating, Add</i>	155.81	
		<i>For Class 55 Rating, Add</i>	346.32	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,490.39	213.75
		<i>For Class 52 Rating, Deduct</i>	-238.32	
		<i>For Class 54 Rating, Add</i>	162.49	
		<i>For Class 55 Rating, Add</i>	361.16	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,580.96	214.76
		<i>For Class 52 Rating, Deduct</i>	-248.11	
		<i>For Class 54 Rating, Add</i>	169.17	
		<i>For Class 55 Rating, Add</i>	376.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1288	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,671.53	215.79
			<i>For Class 52 Rating, Deduct</i>	-257.90	
			<i>For Class 54 Rating, Add</i>	175.84	
			<i>For Class 55 Rating, Add</i>	390.84	
40 05 19 00-1289	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,762.11	216.81
			<i>For Class 52 Rating, Deduct</i>	-267.70	
			<i>For Class 54 Rating, Add</i>	182.52	
			<i>For Class 55 Rating, Add</i>	405.68	
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,852.68	217.84
			<i>For Class 52 Rating, Deduct</i>	-277.49	
			<i>For Class 54 Rating, Add</i>	189.20	
			<i>For Class 55 Rating, Add</i>	420.52	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,943.26	218.85
			<i>For Class 52 Rating, Deduct</i>	-287.28	
			<i>For Class 54 Rating, Add</i>	195.87	
			<i>For Class 55 Rating, Add</i>	435.36	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,033.83	219.88
			<i>For Class 52 Rating, Deduct</i>	-297.07	
			<i>For Class 54 Rating, Add</i>	202.55	
			<i>For Class 55 Rating, Add</i>	450.20	
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,124.40	220.90
			<i>For Class 52 Rating, Deduct</i>	-306.87	
			<i>For Class 54 Rating, Add</i>	209.23	
			<i>For Class 55 Rating, Add</i>	465.04	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,214.98	221.92
			<i>For Class 52 Rating, Deduct</i>	-316.66	
			<i>For Class 54 Rating, Add</i>	215.90	
			<i>For Class 55 Rating, Add</i>	479.88	
40 05 19 00-1295	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,305.55	222.94
			<i>For Class 52 Rating, Deduct</i>	-326.45	
			<i>For Class 54 Rating, Add</i>	222.58	
			<i>For Class 55 Rating, Add</i>	494.72	
40 05 19 00-1296	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,396.13	223.97
			<i>For Class 52 Rating, Deduct</i>	-336.25	
			<i>For Class 54 Rating, Add</i>	229.26	
			<i>For Class 55 Rating, Add</i>	509.57	
40 05 19 00-1297	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,486.69	224.99
			<i>For Class 52 Rating, Deduct</i>	-346.04	
			<i>For Class 54 Rating, Add</i>	235.94	
			<i>For Class 55 Rating, Add</i>	524.40	
40 05 19 00-1298	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,577.27	226.01
			<i>For Class 52 Rating, Deduct</i>	-355.83	
			<i>For Class 54 Rating, Add</i>	242.61	
			<i>For Class 55 Rating, Add</i>	539.24	
40 05 19 00-1299	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,667.84	227.04
			<i>For Class 52 Rating, Deduct</i>	-365.62	
			<i>For Class 54 Rating, Add</i>	249.29	
			<i>For Class 55 Rating, Add</i>	554.09	
40 05 19 00-1300	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,758.42	228.06
			<i>For Class 52 Rating, Deduct</i>	-375.42	
			<i>For Class 54 Rating, Add</i>	255.97	
			<i>For Class 55 Rating, Add</i>	568.93	
40 05 19 00-1301	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,848.99	229.09
			<i>For Class 52 Rating, Deduct</i>	-385.21	
			<i>For Class 54 Rating, Add</i>	262.64	
			<i>For Class 55 Rating, Add</i>	583.77	
40 05 19 00-1302	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,939.57	230.10
			<i>For Class 52 Rating, Deduct</i>	-395.00	
			<i>For Class 54 Rating, Add</i>	269.32	
			<i>For Class 55 Rating, Add</i>	598.61	
40 05 19 00-1303	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,030.13	231.13
			<i>For Class 52 Rating, Deduct</i>	-404.79	
			<i>For Class 54 Rating, Add</i>	276.00	
			<i>For Class 55 Rating, Add</i>	613.45	
40 05 19 00-1304	EA		16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,120.72	232.15
			<i>For Class 52 Rating, Deduct</i>	-414.59	
			<i>For Class 54 Rating, Add</i>	282.67	
			<i>For Class 55 Rating, Add</i>	628.29	
40 05 19 00-1305	EA		16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,211.28	233.18
			<i>For Class 52 Rating, Deduct</i>	-424.38	
			<i>For Class 54 Rating, Add</i>	289.35	
			<i>For Class 55 Rating, Add</i>	643.13	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1306	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,301.87	234.19
		<i>For Class 52 Rating, Deduct</i>	-434.17	
		<i>For Class 54 Rating, Add</i>	296.03	
		<i>For Class 55 Rating, Add</i>	657.97	
40 05 19 00-1307		18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,101.44	221.31
		<i>For Class 52 Rating, Deduct</i>	-84.27	
		<i>For Class 54 Rating, Add</i>	57.46	
		<i>For Class 55 Rating, Add</i>	127.71	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,205.71	222.34
		<i>For Class 52 Rating, Deduct</i>	-95.57	
		<i>For Class 54 Rating, Add</i>	65.16	
		<i>For Class 55 Rating, Add</i>	144.84	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,309.98	223.35
		<i>For Class 52 Rating, Deduct</i>	-106.87	
		<i>For Class 54 Rating, Add</i>	72.87	
		<i>For Class 55 Rating, Add</i>	161.96	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,414.25	224.38
		<i>For Class 52 Rating, Deduct</i>	-118.17	
		<i>For Class 54 Rating, Add</i>	80.57	
		<i>For Class 55 Rating, Add</i>	179.08	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,518.52	225.40
		<i>For Class 52 Rating, Deduct</i>	-129.47	
		<i>For Class 54 Rating, Add</i>	88.28	
		<i>For Class 55 Rating, Add</i>	196.21	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,622.79	226.42
		<i>For Class 52 Rating, Deduct</i>	-140.77	
		<i>For Class 54 Rating, Add</i>	95.98	
		<i>For Class 55 Rating, Add</i>	213.33	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,727.06	227.44
		<i>For Class 52 Rating, Deduct</i>	-152.07	
		<i>For Class 54 Rating, Add</i>	103.68	
		<i>For Class 55 Rating, Add</i>	230.45	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,831.33	228.47
		<i>For Class 52 Rating, Deduct</i>	-163.37	
		<i>For Class 54 Rating, Add</i>	111.39	
		<i>For Class 55 Rating, Add</i>	247.58	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,935.60	229.49
		<i>For Class 52 Rating, Deduct</i>	-174.67	
		<i>For Class 54 Rating, Add</i>	119.09	
		<i>For Class 55 Rating, Add</i>	264.70	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,039.87	230.51
		<i>For Class 52 Rating, Deduct</i>	-185.97	
		<i>For Class 54 Rating, Add</i>	126.80	
		<i>For Class 55 Rating, Add</i>	281.82	
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,144.14	231.53
		<i>For Class 52 Rating, Deduct</i>	-197.27	
		<i>For Class 54 Rating, Add</i>	134.50	
		<i>For Class 55 Rating, Add</i>	298.95	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,248.40	232.56
		<i>For Class 52 Rating, Deduct</i>	-208.56	
		<i>For Class 54 Rating, Add</i>	142.20	
		<i>For Class 55 Rating, Add</i>	316.07	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,352.68	233.59
		<i>For Class 52 Rating, Deduct</i>	-219.86	
		<i>For Class 54 Rating, Add</i>	149.91	
		<i>For Class 55 Rating, Add</i>	333.19	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,456.94	234.60
		<i>For Class 52 Rating, Deduct</i>	-231.16	
		<i>For Class 54 Rating, Add</i>	157.61	
		<i>For Class 55 Rating, Add</i>	350.32	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,561.22	235.63
		<i>For Class 52 Rating, Deduct</i>	-242.46	
		<i>For Class 54 Rating, Add</i>	165.32	
		<i>For Class 55 Rating, Add</i>	367.44	
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,665.48	236.65
		<i>For Class 52 Rating, Deduct</i>	-253.76	
		<i>For Class 54 Rating, Add</i>	173.02	
		<i>For Class 55 Rating, Add</i>	384.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,769.76	237.68
			<i>For Class 52 Rating, Deduct</i>	-265.06	
			<i>For Class 54 Rating, Add</i>	180.72	
			<i>For Class 55 Rating, Add</i>	401.69	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,874.02	238.69
			<i>For Class 52 Rating, Deduct</i>	-276.36	
			<i>For Class 54 Rating, Add</i>	188.43	
			<i>For Class 55 Rating, Add</i>	418.81	
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,978.30	239.72
			<i>For Class 52 Rating, Deduct</i>	-287.66	
			<i>For Class 54 Rating, Add</i>	196.13	
			<i>For Class 55 Rating, Add</i>	435.93	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,082.56	240.74
			<i>For Class 52 Rating, Deduct</i>	-298.96	
			<i>For Class 54 Rating, Add</i>	203.84	
			<i>For Class 55 Rating, Add</i>	453.06	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,186.83	241.76
			<i>For Class 52 Rating, Deduct</i>	-310.26	
			<i>For Class 54 Rating, Add</i>	211.54	
			<i>For Class 55 Rating, Add</i>	470.18	
40 05 19 00-1329	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,291.10	242.78
			<i>For Class 52 Rating, Deduct</i>	-321.56	
			<i>For Class 54 Rating, Add</i>	219.24	
			<i>For Class 55 Rating, Add</i>	487.30	
40 05 19 00-1330	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,395.37	243.81
			<i>For Class 52 Rating, Deduct</i>	-332.86	
			<i>For Class 54 Rating, Add</i>	226.95	
			<i>For Class 55 Rating, Add</i>	504.43	
40 05 19 00-1331	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,499.64	244.83
			<i>For Class 52 Rating, Deduct</i>	-344.15	
			<i>For Class 54 Rating, Add</i>	234.65	
			<i>For Class 55 Rating, Add</i>	521.55	
40 05 19 00-1332	EA		18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,603.91	245.85
			<i>For Class 52 Rating, Deduct</i>	-355.45	
			<i>For Class 54 Rating, Add</i>	242.36	
			<i>For Class 55 Rating, Add</i>	538.67	
40 05 19 00-1333	EA		18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,708.18	246.88
			<i>For Class 52 Rating, Deduct</i>	-366.75	
			<i>For Class 54 Rating, Add</i>	250.06	
			<i>For Class 55 Rating, Add</i>	555.80	
40 05 19 00-1334	EA		18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,812.45	247.90
			<i>For Class 52 Rating, Deduct</i>	-378.05	
			<i>For Class 54 Rating, Add</i>	257.76	
			<i>For Class 55 Rating, Add</i>	572.92	
40 05 19 00-1335	EA		18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,916.72	248.93
			<i>For Class 52 Rating, Deduct</i>	-389.35	
			<i>For Class 54 Rating, Add</i>	265.47	
			<i>For Class 55 Rating, Add</i>	590.04	
40 05 19 00-1336	EA		18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,020.99	249.94
			<i>For Class 52 Rating, Deduct</i>	-400.65	
			<i>For Class 54 Rating, Add</i>	273.17	
			<i>For Class 55 Rating, Add</i>	607.17	
40 05 19 00-1337	EA		18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,125.26	250.97
			<i>For Class 52 Rating, Deduct</i>	-411.95	
			<i>For Class 54 Rating, Add</i>	280.88	
			<i>For Class 55 Rating, Add</i>	624.29	
40 05 19 00-1338	EA		18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,229.53	251.99
			<i>For Class 52 Rating, Deduct</i>	-423.25	
			<i>For Class 54 Rating, Add</i>	288.58	
			<i>For Class 55 Rating, Add</i>	641.41	
40 05 19 00-1339	EA		18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,333.79	253.02
			<i>For Class 52 Rating, Deduct</i>	-434.55	
			<i>For Class 54 Rating, Add</i>	296.28	
			<i>For Class 55 Rating, Add</i>	658.54	
40 05 19 00-1340	EA		18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,438.07	254.03
			<i>For Class 52 Rating, Deduct</i>	-445.85	
			<i>For Class 54 Rating, Add</i>	303.99	
			<i>For Class 55 Rating, Add</i>	675.66	
40 05 19 00-1341	EA		18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,542.33	255.06
			<i>For Class 52 Rating, Deduct</i>	-457.15	
			<i>For Class 54 Rating, Add</i>	311.69	
			<i>For Class 55 Rating, Add</i>	692.79	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,646.61	256.08
		<i>For Class 52 Rating, Deduct</i>	-468.45	
		<i>For Class 54 Rating, Add</i>	319.40	
		<i>For Class 55 Rating, Add</i>	709.91	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,750.87	257.11
		<i>For Class 52 Rating, Deduct</i>	-479.75	
		<i>For Class 54 Rating, Add</i>	327.10	
		<i>For Class 55 Rating, Add</i>	727.03	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,855.15	258.13
		<i>For Class 52 Rating, Deduct</i>	-491.04	
		<i>For Class 54 Rating, Add</i>	334.80	
		<i>For Class 55 Rating, Add</i>	744.16	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,959.41	259.15
		<i>For Class 52 Rating, Deduct</i>	-502.34	
		<i>For Class 54 Rating, Add</i>	342.51	
		<i>For Class 55 Rating, Add</i>	761.28	

40 05 19 00-1346 20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,284.96	252.61
		<i>For Class 52 Rating, Deduct</i>	-99.24	
		<i>For Class 54 Rating, Add</i>	67.67	
		<i>For Class 55 Rating, Add</i>	150.40	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,404.63	253.63
		<i>For Class 52 Rating, Deduct</i>	-112.24	
		<i>For Class 54 Rating, Add</i>	76.53	
		<i>For Class 55 Rating, Add</i>	170.09	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,524.32	254.65
		<i>For Class 52 Rating, Deduct</i>	-125.23	
		<i>For Class 54 Rating, Add</i>	85.39	
		<i>For Class 55 Rating, Add</i>	189.78	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,643.99	255.68
		<i>For Class 52 Rating, Deduct</i>	-138.23	
		<i>For Class 54 Rating, Add</i>	94.25	
		<i>For Class 55 Rating, Add</i>	209.48	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,763.67	256.70
		<i>For Class 52 Rating, Deduct</i>	-151.22	
		<i>For Class 54 Rating, Add</i>	103.11	
		<i>For Class 55 Rating, Add</i>	229.17	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,883.34	257.72
		<i>For Class 52 Rating, Deduct</i>	-164.21	
		<i>For Class 54 Rating, Add</i>	111.96	
		<i>For Class 55 Rating, Add</i>	248.86	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,003.02	258.74
		<i>For Class 52 Rating, Deduct</i>	-177.21	
		<i>For Class 54 Rating, Add</i>	120.82	
		<i>For Class 55 Rating, Add</i>	268.55	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,122.70	259.77
		<i>For Class 52 Rating, Deduct</i>	-190.20	
		<i>For Class 54 Rating, Add</i>	129.68	
		<i>For Class 55 Rating, Add</i>	288.24	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,242.38	260.79
		<i>For Class 52 Rating, Deduct</i>	-203.20	
		<i>For Class 54 Rating, Add</i>	138.54	
		<i>For Class 55 Rating, Add</i>	307.94	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,362.06	261.81
		<i>For Class 52 Rating, Deduct</i>	-216.19	
		<i>For Class 54 Rating, Add</i>	147.40	
		<i>For Class 55 Rating, Add</i>	327.63	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,481.73	262.83
		<i>For Class 52 Rating, Deduct</i>	-229.19	
		<i>For Class 54 Rating, Add</i>	156.26	
		<i>For Class 55 Rating, Add</i>	347.32	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,601.41	263.86
		<i>For Class 52 Rating, Deduct</i>	-242.18	
		<i>For Class 54 Rating, Add</i>	165.12	
		<i>For Class 55 Rating, Add</i>	367.01	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,721.09	264.87
		<i>For Class 52 Rating, Deduct</i>	-255.17	
		<i>For Class 54 Rating, Add</i>	173.98	
		<i>For Class 55 Rating, Add</i>	386.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,840.77	265.90
			For Class 52 Rating, Deduct	-268.17	
			For Class 54 Rating, Add	182.84	
			For Class 55 Rating, Add	406.40	
40 05 19 00-1361	EA		20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,960.45	266.93
			For Class 52 Rating, Deduct	-281.16	
			For Class 54 Rating, Add	191.70	
			For Class 55 Rating, Add	426.09	
40 05 19 00-1362	EA		20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,080.11	267.95
			For Class 52 Rating, Deduct	-294.16	
			For Class 54 Rating, Add	200.56	
			For Class 55 Rating, Add	445.78	
40 05 19 00-1363	EA		20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,199.80	268.97
			For Class 52 Rating, Deduct	-307.15	
			For Class 54 Rating, Add	209.42	
			For Class 55 Rating, Add	465.47	
40 05 19 00-1364	EA		20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,319.47	269.99
			For Class 52 Rating, Deduct	-320.14	
			For Class 54 Rating, Add	218.28	
			For Class 55 Rating, Add	485.16	
40 05 19 00-1365	EA		20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,439.16	271.02
			For Class 52 Rating, Deduct	-333.14	
			For Class 54 Rating, Add	227.14	
			For Class 55 Rating, Add	504.86	
40 05 19 00-1366	EA		20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,558.83	272.04
			For Class 52 Rating, Deduct	-346.13	
			For Class 54 Rating, Add	236.00	
			For Class 55 Rating, Add	524.55	
40 05 19 00-1367	EA		20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,678.51	273.06
			For Class 52 Rating, Deduct	-359.13	
			For Class 54 Rating, Add	244.86	
			For Class 55 Rating, Add	544.24	
40 05 19 00-1368	EA		20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,798.18	274.08
			For Class 52 Rating, Deduct	-372.12	
			For Class 54 Rating, Add	253.72	
			For Class 55 Rating, Add	563.93	
40 05 19 00-1369	EA		20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,917.87	275.11
			For Class 52 Rating, Deduct	-385.11	
			For Class 54 Rating, Add	262.58	
			For Class 55 Rating, Add	583.62	
40 05 19 00-1370	EA		20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,037.54	276.12
			For Class 52 Rating, Deduct	-398.11	
			For Class 54 Rating, Add	271.44	
			For Class 55 Rating, Add	603.32	
40 05 19 00-1371	EA		20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,157.23	277.15
			For Class 52 Rating, Deduct	-411.10	
			For Class 54 Rating, Add	280.30	
			For Class 55 Rating, Add	623.01	
40 05 19 00-1372	EA		20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,276.89	278.17
			For Class 52 Rating, Deduct	-424.10	
			For Class 54 Rating, Add	289.16	
			For Class 55 Rating, Add	642.70	
40 05 19 00-1373	EA		20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,396.57	279.20
			For Class 52 Rating, Deduct	-437.09	
			For Class 54 Rating, Add	298.02	
			For Class 55 Rating, Add	662.39	
40 05 19 00-1374	EA		20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,516.25	280.22
			For Class 52 Rating, Deduct	-450.08	
			For Class 54 Rating, Add	306.88	
			For Class 55 Rating, Add	682.08	
40 05 19 00-1375	EA		20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,635.93	281.24
			For Class 52 Rating, Deduct	-463.08	
			For Class 54 Rating, Add	315.74	
			For Class 55 Rating, Add	701.78	
40 05 19 00-1376	EA		20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,755.61	282.27
			For Class 52 Rating, Deduct	-476.07	
			For Class 54 Rating, Add	324.60	
			For Class 55 Rating, Add	721.47	
40 05 19 00-1377	EA		20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,875.28	283.28
			For Class 52 Rating, Deduct	-489.07	
			For Class 54 Rating, Add	333.45	
			For Class 55 Rating, Add	741.16	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,994.96	284.31
		For Class 52 Rating, Deduct	-502.06	
		For Class 54 Rating, Add	342.31	
		For Class 55 Rating, Add	760.85	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,114.64	285.33
		For Class 52 Rating, Deduct	-515.06	
		For Class 54 Rating, Add	351.17	
		For Class 55 Rating, Add	780.54	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,234.32	286.36
		For Class 52 Rating, Deduct	-528.05	
		For Class 54 Rating, Add	360.03	
		For Class 55 Rating, Add	800.24	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,354.00	287.37
		For Class 52 Rating, Deduct	-541.04	
		For Class 54 Rating, Add	368.89	
		For Class 55 Rating, Add	819.93	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,473.66	288.40
		For Class 52 Rating, Deduct	-554.04	
		For Class 54 Rating, Add	377.75	
		For Class 55 Rating, Add	839.62	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,593.35	289.42
		For Class 52 Rating, Deduct	-567.03	
		For Class 54 Rating, Add	386.61	
		For Class 55 Rating, Add	859.31	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,713.02	290.44
		For Class 52 Rating, Deduct	-580.03	
		For Class 54 Rating, Add	395.47	
		For Class 55 Rating, Add	879.00	
40 05 19 00-1385		24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,578.96	298.62
		For Class 52 Rating, Deduct	-123.92	
		For Class 54 Rating, Add	84.49	
		For Class 55 Rating, Add	187.79	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,726.88	299.65
		For Class 52 Rating, Deduct	-140.02	
		For Class 54 Rating, Add	95.47	
		For Class 55 Rating, Add	212.19	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,874.81	300.67
		For Class 52 Rating, Deduct	-156.12	
		For Class 54 Rating, Add	106.44	
		For Class 55 Rating, Add	236.59	
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,022.73	301.69
		For Class 52 Rating, Deduct	-172.22	
		For Class 54 Rating, Add	117.42	
		For Class 55 Rating, Add	260.99	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,170.66	302.71
		For Class 52 Rating, Deduct	-188.32	
		For Class 54 Rating, Add	128.40	
		For Class 55 Rating, Add	285.39	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,318.59	303.74
		For Class 52 Rating, Deduct	-204.42	
		For Class 54 Rating, Add	139.38	
		For Class 55 Rating, Add	309.79	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,466.51	304.76
		For Class 52 Rating, Deduct	-220.52	
		For Class 54 Rating, Add	150.36	
		For Class 55 Rating, Add	334.19	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,614.44	305.78
		For Class 52 Rating, Deduct	-236.62	
		For Class 54 Rating, Add	161.33	
		For Class 55 Rating, Add	358.59	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,762.36	306.81
		For Class 52 Rating, Deduct	-252.73	
		For Class 54 Rating, Add	172.31	
		For Class 55 Rating, Add	382.99	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,910.29	307.83
		For Class 52 Rating, Deduct	-268.83	
		For Class 54 Rating, Add	183.29	
		For Class 55 Rating, Add	407.39	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1396	EA		24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,058.22	308.86
			For Class 52 Rating, Deduct	-284.93	
			For Class 54 Rating, Add	194.27	
			For Class 55 Rating, Add	431.80	
40 05 19 00-1397	EA		24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,206.14	309.87
			For Class 52 Rating, Deduct	-301.03	
			For Class 54 Rating, Add	205.25	
			For Class 55 Rating, Add	456.20	
40 05 19 00-1398	EA		24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,354.06	310.90
			For Class 52 Rating, Deduct	-317.13	
			For Class 54 Rating, Add	216.23	
			For Class 55 Rating, Add	480.60	
40 05 19 00-1399	EA		24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,501.99	311.92
			For Class 52 Rating, Deduct	-333.23	
			For Class 54 Rating, Add	227.20	
			For Class 55 Rating, Add	505.00	
40 05 19 00-1400	EA		24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,649.91	312.95
			For Class 52 Rating, Deduct	-349.33	
			For Class 54 Rating, Add	238.18	
			For Class 55 Rating, Add	529.40	
40 05 19 00-1401	EA		24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,797.85	313.96
			For Class 52 Rating, Deduct	-365.44	
			For Class 54 Rating, Add	249.16	
			For Class 55 Rating, Add	553.80	
40 05 19 00-1402	EA		24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,945.76	314.99
			For Class 52 Rating, Deduct	-381.54	
			For Class 54 Rating, Add	260.14	
			For Class 55 Rating, Add	578.20	
40 05 19 00-1403	EA		24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,093.70	316.01
			For Class 52 Rating, Deduct	-397.64	
			For Class 54 Rating, Add	271.12	
			For Class 55 Rating, Add	602.60	
40 05 19 00-1404	EA		24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,241.61	317.03
			For Class 52 Rating, Deduct	-413.74	
			For Class 54 Rating, Add	282.09	
			For Class 55 Rating, Add	627.00	
40 05 19 00-1405	EA		24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,389.55	318.05
			For Class 52 Rating, Deduct	-429.84	
			For Class 54 Rating, Add	293.07	
			For Class 55 Rating, Add	651.40	
40 05 19 00-1406	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,537.47	319.08
			For Class 52 Rating, Deduct	-445.94	
			For Class 54 Rating, Add	304.05	
			For Class 55 Rating, Add	675.81	
40 05 19 00-1407	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,685.40	320.11
			For Class 52 Rating, Deduct	-462.04	
			For Class 54 Rating, Add	315.03	
			For Class 55 Rating, Add	700.21	
40 05 19 00-1408	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,833.32	321.12
			For Class 52 Rating, Deduct	-478.14	
			For Class 54 Rating, Add	326.01	
			For Class 55 Rating, Add	724.61	
40 05 19 00-1409	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,981.24	322.15
			For Class 52 Rating, Deduct	-494.25	
			For Class 54 Rating, Add	336.99	
			For Class 55 Rating, Add	749.01	
40 05 19 00-1410	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,129.17	323.17
			For Class 52 Rating, Deduct	-510.35	
			For Class 54 Rating, Add	347.96	
			For Class 55 Rating, Add	773.41	
40 05 19 00-1411	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,277.10	324.20
			For Class 52 Rating, Deduct	-526.45	
			For Class 54 Rating, Add	358.94	
			For Class 55 Rating, Add	797.81	
40 05 19 00-1412	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,425.02	325.21
			For Class 52 Rating, Deduct	-542.55	
			For Class 54 Rating, Add	369.92	
			For Class 55 Rating, Add	822.21	
40 05 19 00-1413	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,572.95	326.24
			For Class 52 Rating, Deduct	-558.65	
			For Class 54 Rating, Add	380.90	
			For Class 55 Rating, Add	846.61	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1414	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,720.87	327.26
			For Class 52 Rating, Deduct	-574.75	
			For Class 54 Rating, Add	391.88	
			For Class 55 Rating, Add	871.01	
40 05 19 00-1415	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,895.14	345.67
			For Class 52 Rating, Deduct	-590.85	
			For Class 54 Rating, Add	402.86	
			For Class 55 Rating, Add	895.41	
40 05 19 00-1416	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,043.07	346.70
			For Class 52 Rating, Deduct	-606.96	
			For Class 54 Rating, Add	413.83	
			For Class 55 Rating, Add	919.81	
40 05 19 00-1417	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,190.99	347.72
			For Class 52 Rating, Deduct	-623.06	
			For Class 54 Rating, Add	424.81	
			For Class 55 Rating, Add	944.21	
40 05 19 00-1418	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,338.92	348.74
			For Class 52 Rating, Deduct	-639.16	
			For Class 54 Rating, Add	435.79	
			For Class 55 Rating, Add	968.62	
40 05 19 00-1419	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,486.84	349.76
			For Class 52 Rating, Deduct	-655.26	
			For Class 54 Rating, Add	446.77	
			For Class 55 Rating, Add	993.02	
40 05 19 00-1420	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,634.77	350.79
			For Class 52 Rating, Deduct	-671.36	
			For Class 54 Rating, Add	457.75	
			For Class 55 Rating, Add	1,017.42	
40 05 19 00-1421	EA		24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,782.70	351.81
			For Class 52 Rating, Deduct	-687.46	
			For Class 54 Rating, Add	468.72	
			For Class 55 Rating, Add	1,041.82	
40 05 19 00-1422	EA		24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,930.62	352.83
			For Class 52 Rating, Deduct	-703.56	
			For Class 54 Rating, Add	479.70	
			For Class 55 Rating, Add	1,066.22	
40 05 19 00-1423	EA		24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,078.54	353.85
			For Class 52 Rating, Deduct	-719.67	
			For Class 54 Rating, Add	490.68	
			For Class 55 Rating, Add	1,090.62	
40 05 19 00-1424			30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425	EA		30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,418.89	421.35
			For Class 52 Rating, Deduct	-195.85	
			For Class 54 Rating, Add	133.54	
			For Class 55 Rating, Add	296.81	
40 05 19 00-1426	EA		30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,631.87	422.37
			For Class 52 Rating, Deduct	-219.11	
			For Class 54 Rating, Add	149.39	
			For Class 55 Rating, Add	332.05	
40 05 19 00-1427	EA		30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,844.85	423.40
			For Class 52 Rating, Deduct	-242.37	
			For Class 54 Rating, Add	165.25	
			For Class 55 Rating, Add	367.30	
40 05 19 00-1428	EA		30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,057.84	424.41
			For Class 52 Rating, Deduct	-265.63	
			For Class 54 Rating, Add	181.11	
			For Class 55 Rating, Add	402.54	
40 05 19 00-1429	EA		30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,270.82	425.44
			For Class 52 Rating, Deduct	-288.88	
			For Class 54 Rating, Add	196.97	
			For Class 55 Rating, Add	437.79	
40 05 19 00-1430	EA		30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,483.80	426.46
			For Class 52 Rating, Deduct	-312.14	
			For Class 54 Rating, Add	212.82	
			For Class 55 Rating, Add	473.03	
40 05 19 00-1431	EA		30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,696.78	427.49
			For Class 52 Rating, Deduct	-335.40	
			For Class 54 Rating, Add	228.68	
			For Class 55 Rating, Add	508.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1432	EA		30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,909.75	428.51
			For Class 52 Rating, Deduct	-358.66	
			For Class 54 Rating, Add	244.54	
			For Class 55 Rating, Add	543.53	
40 05 19 00-1433	EA		30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,122.75	429.53
			For Class 52 Rating, Deduct	-381.91	
			For Class 54 Rating, Add	260.40	
			For Class 55 Rating, Add	578.77	
40 05 19 00-1434	EA		30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,335.72	430.56
			For Class 52 Rating, Deduct	-405.17	
			For Class 54 Rating, Add	276.25	
			For Class 55 Rating, Add	614.02	
40 05 19 00-1435	EA		30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,548.71	431.57
			For Class 52 Rating, Deduct	-428.43	
			For Class 54 Rating, Add	292.11	
			For Class 55 Rating, Add	649.26	
40 05 19 00-1436	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,761.68	432.60
			For Class 52 Rating, Deduct	-451.69	
			For Class 54 Rating, Add	307.97	
			For Class 55 Rating, Add	684.51	
40 05 19 00-1437	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,974.67	433.62
			For Class 52 Rating, Deduct	-474.94	
			For Class 54 Rating, Add	323.82	
			For Class 55 Rating, Add	719.75	
40 05 19 00-1438	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,187.65	434.65
			For Class 52 Rating, Deduct	-498.20	
			For Class 54 Rating, Add	339.68	
			For Class 55 Rating, Add	755.00	
40 05 19 00-1439	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,400.64	435.66
			For Class 52 Rating, Deduct	-521.46	
			For Class 54 Rating, Add	355.54	
			For Class 55 Rating, Add	790.25	
40 05 19 00-1440	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,613.61	436.69
			For Class 52 Rating, Deduct	-544.72	
			For Class 54 Rating, Add	371.40	
			For Class 55 Rating, Add	825.49	
40 05 19 00-1441	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,826.59	437.71
			For Class 52 Rating, Deduct	-567.97	
			For Class 54 Rating, Add	387.25	
			For Class 55 Rating, Add	860.74	
40 05 19 00-1442	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,039.57	438.74
			For Class 52 Rating, Deduct	-591.23	
			For Class 54 Rating, Add	403.11	
			For Class 55 Rating, Add	895.98	
40 05 19 00-1443	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,252.56	439.76
			For Class 52 Rating, Deduct	-614.49	
			For Class 54 Rating, Add	418.97	
			For Class 55 Rating, Add	931.23	
40 05 19 00-1444	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,465.54	440.78
			For Class 52 Rating, Deduct	-637.75	
			For Class 54 Rating, Add	434.83	
			For Class 55 Rating, Add	966.47	
40 05 19 00-1445	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,678.52	441.81
			For Class 52 Rating, Deduct	-661.00	
			For Class 54 Rating, Add	450.68	
			For Class 55 Rating, Add	1,001.72	
40 05 19 00-1446	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,891.50	442.83
			For Class 52 Rating, Deduct	-684.26	
			For Class 54 Rating, Add	466.54	
			For Class 55 Rating, Add	1,036.97	
40 05 19 00-1447	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,104.48	443.85
			For Class 52 Rating, Deduct	-707.52	
			For Class 54 Rating, Add	482.40	
			For Class 55 Rating, Add	1,072.21	
40 05 19 00-1448	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,317.47	444.87
			For Class 52 Rating, Deduct	-730.78	
			For Class 54 Rating, Add	498.26	
			For Class 55 Rating, Add	1,107.46	
40 05 19 00-1449	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,530.45	445.90
			For Class 52 Rating, Deduct	-754.03	
			For Class 54 Rating, Add	514.11	
			For Class 55 Rating, Add	1,142.70	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1450	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,743.43	446.92
			<i>For Class 52 Rating, Deduct</i>	-777.29	
			<i>For Class 54 Rating, Add</i>	529.97	
			<i>For Class 55 Rating, Add</i>	1,177.95	
40 05 19 00-1451	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,956.41	447.94
			<i>For Class 52 Rating, Deduct</i>	-800.55	
			<i>For Class 54 Rating, Add</i>	545.83	
			<i>For Class 55 Rating, Add</i>	1,213.19	
40 05 19 00-1452	EA		30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,169.38	448.96
			<i>For Class 52 Rating, Deduct</i>	-823.81	
			<i>For Class 54 Rating, Add</i>	561.69	
			<i>For Class 55 Rating, Add</i>	1,248.44	
40 05 19 00-1453	EA		30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,382.38	449.99
			<i>For Class 52 Rating, Deduct</i>	-847.06	
			<i>For Class 54 Rating, Add</i>	577.54	
			<i>For Class 55 Rating, Add</i>	1,283.69	
40 05 19 00-1454	EA		30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,595.35	451.00
			<i>For Class 52 Rating, Deduct</i>	-870.32	
			<i>For Class 54 Rating, Add</i>	593.40	
			<i>For Class 55 Rating, Add</i>	1,318.93	
40 05 19 00-1455	EA		30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,808.34	452.03
			<i>For Class 52 Rating, Deduct</i>	-893.58	
			<i>For Class 54 Rating, Add</i>	609.26	
			<i>For Class 55 Rating, Add</i>	1,354.18	
40 05 19 00-1456	EA		30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,021.31	453.06
			<i>For Class 52 Rating, Deduct</i>	-916.84	
			<i>For Class 54 Rating, Add</i>	625.12	
			<i>For Class 55 Rating, Add</i>	1,389.42	
40 05 19 00-1457	EA		30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,234.30	454.08
			<i>For Class 52 Rating, Deduct</i>	-940.09	
			<i>For Class 54 Rating, Add</i>	640.97	
			<i>For Class 55 Rating, Add</i>	1,424.67	
40 05 19 00-1458	EA		30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,447.28	455.10
			<i>For Class 52 Rating, Deduct</i>	-963.35	
			<i>For Class 54 Rating, Add</i>	656.83	
			<i>For Class 55 Rating, Add</i>	1,459.92	
40 05 19 00-1459	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,660.27	456.12
			<i>For Class 52 Rating, Deduct</i>	-986.61	
			<i>For Class 54 Rating, Add</i>	672.69	
			<i>For Class 55 Rating, Add</i>	1,495.16	
40 05 19 00-1460	EA		30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,873.24	457.15
			<i>For Class 52 Rating, Deduct</i>	-1,009.87	
			<i>For Class 54 Rating, Add</i>	688.55	
			<i>For Class 55 Rating, Add</i>	1,530.41	
40 05 19 00-1461	EA		30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,086.23	458.17
			<i>For Class 52 Rating, Deduct</i>	-1,033.12	
			<i>For Class 54 Rating, Add</i>	704.40	
			<i>For Class 55 Rating, Add</i>	1,565.65	
40 05 19 00-1462	EA		30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,299.20	459.19
			<i>For Class 52 Rating, Deduct</i>	-1,056.38	
			<i>For Class 54 Rating, Add</i>	720.26	
			<i>For Class 55 Rating, Add</i>	1,600.90	
40 05 19 00-1463			36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1464	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,344.33	533.85
			<i>For Class 52 Rating, Deduct</i>	-278.90	
			<i>For Class 54 Rating, Add</i>	190.16	
			<i>For Class 55 Rating, Add</i>	422.66	
40 05 19 00-1465	EA		36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,633.49	534.87
			<i>For Class 52 Rating, Deduct</i>	-310.54	
			<i>For Class 54 Rating, Add</i>	211.73	
			<i>For Class 55 Rating, Add</i>	470.61	
40 05 19 00-1466	EA		36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,922.66	535.89
			<i>For Class 52 Rating, Deduct</i>	-342.18	
			<i>For Class 54 Rating, Add</i>	233.30	
			<i>For Class 55 Rating, Add</i>	518.55	
40 05 19 00-1467	EA		36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,211.82	536.92
			<i>For Class 52 Rating, Deduct</i>	-373.82	
			<i>For Class 54 Rating, Add</i>	254.87	
			<i>For Class 55 Rating, Add</i>	566.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1468	EA		36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,501.00	537.94
			<i>For Class 52 Rating, Deduct</i>	-405.45	
			<i>For Class 54 Rating, Add</i>	276.45	
			<i>For Class 55 Rating, Add</i>	614.45	
40 05 19 00-1469	EA		36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,790.15	538.96
			<i>For Class 52 Rating, Deduct</i>	-437.09	
			<i>For Class 54 Rating, Add</i>	298.02	
			<i>For Class 55 Rating, Add</i>	662.39	
40 05 19 00-1470	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,079.33	539.98
			<i>For Class 52 Rating, Deduct</i>	-468.73	
			<i>For Class 54 Rating, Add</i>	319.59	
			<i>For Class 55 Rating, Add</i>	710.34	
40 05 19 00-1471	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,368.48	541.01
			<i>For Class 52 Rating, Deduct</i>	-500.37	
			<i>For Class 54 Rating, Add</i>	341.16	
			<i>For Class 55 Rating, Add</i>	758.28	
40 05 19 00-1472	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,657.66	542.03
			<i>For Class 52 Rating, Deduct</i>	-532.00	
			<i>For Class 54 Rating, Add</i>	362.73	
			<i>For Class 55 Rating, Add</i>	806.23	
40 05 19 00-1473	EA		36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,946.82	543.05
			<i>For Class 52 Rating, Deduct</i>	-563.64	
			<i>For Class 54 Rating, Add</i>	384.30	
			<i>For Class 55 Rating, Add</i>	854.17	
40 05 19 00-1474	EA		36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,235.99	544.07
			<i>For Class 52 Rating, Deduct</i>	-595.28	
			<i>For Class 54 Rating, Add</i>	405.87	
			<i>For Class 55 Rating, Add</i>	902.12	
40 05 19 00-1475	EA		36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,525.15	545.10
			<i>For Class 52 Rating, Deduct</i>	-626.92	
			<i>For Class 54 Rating, Add</i>	427.44	
			<i>For Class 55 Rating, Add</i>	950.06	
40 05 19 00-1476	EA		36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,814.31	546.11
			<i>For Class 52 Rating, Deduct</i>	-658.55	
			<i>For Class 54 Rating, Add</i>	449.01	
			<i>For Class 55 Rating, Add</i>	998.01	
40 05 19 00-1477	EA		36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,103.48	547.14
			<i>For Class 52 Rating, Deduct</i>	-690.19	
			<i>For Class 54 Rating, Add</i>	470.59	
			<i>For Class 55 Rating, Add</i>	1,045.96	
40 05 19 00-1478	EA		36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,392.65	548.17
			<i>For Class 52 Rating, Deduct</i>	-721.83	
			<i>For Class 54 Rating, Add</i>	492.16	
			<i>For Class 55 Rating, Add</i>	1,093.90	
40 05 19 00-1479	EA		36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,681.81	549.19
			<i>For Class 52 Rating, Deduct</i>	-753.47	
			<i>For Class 54 Rating, Add</i>	513.73	
			<i>For Class 55 Rating, Add</i>	1,141.85	
40 05 19 00-1480	EA		36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,970.98	550.21
			<i>For Class 52 Rating, Deduct</i>	-785.11	
			<i>For Class 54 Rating, Add</i>	535.30	
			<i>For Class 55 Rating, Add</i>	1,189.79	
40 05 19 00-1481	EA		36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,260.14	551.23
			<i>For Class 52 Rating, Deduct</i>	-816.74	
			<i>For Class 54 Rating, Add</i>	556.87	
			<i>For Class 55 Rating, Add</i>	1,237.74	
40 05 19 00-1482	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,549.31	552.26
			<i>For Class 52 Rating, Deduct</i>	-848.38	
			<i>For Class 54 Rating, Add</i>	578.44	
			<i>For Class 55 Rating, Add</i>	1,285.68	
40 05 19 00-1483	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,838.48	553.28
			<i>For Class 52 Rating, Deduct</i>	-880.02	
			<i>For Class 54 Rating, Add</i>	600.01	
			<i>For Class 55 Rating, Add</i>	1,333.63	
40 05 19 00-1484	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,127.64	554.30
			<i>For Class 52 Rating, Deduct</i>	-911.66	
			<i>For Class 54 Rating, Add</i>	621.58	
			<i>For Class 55 Rating, Add</i>	1,381.57	
40 05 19 00-1485	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,416.80	555.32
			<i>For Class 52 Rating, Deduct</i>	-943.30	
			<i>For Class 54 Rating, Add</i>	643.16	
			<i>For Class 55 Rating, Add</i>	1,429.52	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,705.97	556.35
		<i>For Class 52 Rating, Deduct</i>	-974.93	
		<i>For Class 54 Rating, Add</i>	664.73	
		<i>For Class 55 Rating, Add</i>	1,477.47	
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,995.13	557.36
		<i>For Class 52 Rating, Deduct</i>	-1,006.57	
		<i>For Class 54 Rating, Add</i>	686.30	
		<i>For Class 55 Rating, Add</i>	1,525.41	
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,284.31	558.39
		<i>For Class 52 Rating, Deduct</i>	-1,038.21	
		<i>For Class 54 Rating, Add</i>	707.87	
		<i>For Class 55 Rating, Add</i>	1,573.36	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,573.46	559.42
		<i>For Class 52 Rating, Deduct</i>	-1,069.85	
		<i>For Class 54 Rating, Add</i>	729.44	
		<i>For Class 55 Rating, Add</i>	1,621.30	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,862.64	560.44
		<i>For Class 52 Rating, Deduct</i>	-1,101.48	
		<i>For Class 54 Rating, Add</i>	751.01	
		<i>For Class 55 Rating, Add</i>	1,669.25	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,151.79	561.46
		<i>For Class 52 Rating, Deduct</i>	-1,133.12	
		<i>For Class 54 Rating, Add</i>	772.58	
		<i>For Class 55 Rating, Add</i>	1,717.19	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,440.97	562.48
		<i>For Class 52 Rating, Deduct</i>	-1,164.76	
		<i>For Class 54 Rating, Add</i>	794.15	
		<i>For Class 55 Rating, Add</i>	1,765.14	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,730.13	563.51
		<i>For Class 52 Rating, Deduct</i>	-1,196.40	
		<i>For Class 54 Rating, Add</i>	815.73	
		<i>For Class 55 Rating, Add</i>	1,813.09	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,019.30	564.52
		<i>For Class 52 Rating, Deduct</i>	-1,228.03	
		<i>For Class 54 Rating, Add</i>	837.30	
		<i>For Class 55 Rating, Add</i>	1,861.03	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,308.46	565.55
		<i>For Class 52 Rating, Deduct</i>	-1,259.67	
		<i>For Class 54 Rating, Add</i>	858.87	
		<i>For Class 55 Rating, Add</i>	1,908.98	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,597.62	566.57
		<i>For Class 52 Rating, Deduct</i>	-1,291.31	
		<i>For Class 54 Rating, Add</i>	880.44	
		<i>For Class 55 Rating, Add</i>	1,956.92	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,886.79	567.60
		<i>For Class 52 Rating, Deduct</i>	-1,322.95	
		<i>For Class 54 Rating, Add</i>	902.01	
		<i>For Class 55 Rating, Add</i>	2,004.87	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,175.96	568.61
		<i>For Class 52 Rating, Deduct</i>	-1,354.59	
		<i>For Class 54 Rating, Add</i>	923.58	
		<i>For Class 55 Rating, Add</i>	2,052.81	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,465.12	569.64
		<i>For Class 52 Rating, Deduct</i>	-1,386.22	
		<i>For Class 54 Rating, Add</i>	945.15	
		<i>For Class 55 Rating, Add</i>	2,100.76	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,754.29	570.66
		<i>For Class 52 Rating, Deduct</i>	-1,417.86	
		<i>For Class 54 Rating, Add</i>	966.72	
		<i>For Class 55 Rating, Add</i>	2,148.70	
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,043.45	571.68
		<i>For Class 52 Rating, Deduct</i>	-1,449.50	
		<i>For Class 54 Rating, Add</i>	988.29	
		<i>For Class 55 Rating, Add</i>	2,196.65	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,418.77	672.93
		<i>For Class 52 Rating, Deduct</i>	-373.91	
		<i>For Class 54 Rating, Add</i>	254.94	
		<i>For Class 55 Rating, Add</i>	566.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1504	EA		42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,850.03	673.95
			For Class 52 Rating, Deduct	-421.18	
			For Class 54 Rating, Add	287.17	
			For Class 55 Rating, Add	638.28	
40 05 19 00-1505	EA		42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,276.15	674.97
			For Class 52 Rating, Deduct	-467.88	
			For Class 54 Rating, Add	319.01	
			For Class 55 Rating, Add	709.05	
40 05 19 00-1506	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,706.56	676.00
			For Class 52 Rating, Deduct	-515.06	
			For Class 54 Rating, Add	351.17	
			For Class 55 Rating, Add	780.54	
40 05 19 00-1507	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,132.69	677.02
			For Class 52 Rating, Deduct	-561.76	
			For Class 54 Rating, Add	383.02	
			For Class 55 Rating, Add	851.32	
40 05 19 00-1508	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,563.95	678.04
			For Class 52 Rating, Deduct	-609.03	
			For Class 54 Rating, Add	415.25	
			For Class 55 Rating, Add	922.95	
40 05 19 00-1509	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,989.22	679.06
			For Class 52 Rating, Deduct	-655.64	
			For Class 54 Rating, Add	447.02	
			For Class 55 Rating, Add	993.59	
40 05 19 00-1510	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,420.48	680.09
			For Class 52 Rating, Deduct	-702.90	
			For Class 54 Rating, Add	479.25	
			For Class 55 Rating, Add	1,065.22	
40 05 19 00-1511	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,846.61	681.12
			For Class 52 Rating, Deduct	-749.61	
			For Class 54 Rating, Add	511.10	
			For Class 55 Rating, Add	1,136.00	
40 05 19 00-1512	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,277.01	682.13
			For Class 52 Rating, Deduct	-796.78	
			For Class 54 Rating, Add	543.26	
			For Class 55 Rating, Add	1,207.49	
40 05 19 00-1513	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,703.14	683.16
			For Class 52 Rating, Deduct	-843.49	
			For Class 54 Rating, Add	575.10	
			For Class 55 Rating, Add	1,278.26	
40 05 19 00-1514	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,133.53	684.18
			For Class 52 Rating, Deduct	-890.66	
			For Class 54 Rating, Add	607.27	
			For Class 55 Rating, Add	1,349.75	
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,559.67	685.21
			For Class 52 Rating, Deduct	-937.36	
			For Class 54 Rating, Add	639.11	
			For Class 55 Rating, Add	1,420.53	
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,986.64	686.22
			For Class 52 Rating, Deduct	-984.16	
			For Class 54 Rating, Add	671.02	
			For Class 55 Rating, Add	1,491.45	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,416.20	687.25
			For Class 52 Rating, Deduct	-1,031.24	
			For Class 54 Rating, Add	703.12	
			For Class 55 Rating, Add	1,562.80	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,842.32	688.27
			For Class 52 Rating, Deduct	-1,077.94	
			For Class 54 Rating, Add	734.96	
			For Class 55 Rating, Add	1,633.57	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,273.59	689.29
			For Class 52 Rating, Deduct	-1,125.21	
			For Class 54 Rating, Add	767.19	
			For Class 55 Rating, Add	1,705.21	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,699.71	690.31
			For Class 52 Rating, Deduct	-1,171.92	
			For Class 54 Rating, Add	799.03	
			For Class 55 Rating, Add	1,775.99	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,130.12	691.34
			For Class 52 Rating, Deduct	-1,219.09	
			For Class 54 Rating, Add	831.20	
			For Class 55 Rating, Add	1,847.47	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,556.24	692.36
			<i>For Class 52 Rating, Deduct</i>	-1,265.79	
			<i>For Class 54 Rating, Add</i>	863.04	
			<i>For Class 55 Rating, Add</i>	1,918.25	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,987.51	693.38
			<i>For Class 52 Rating, Deduct</i>	-1,313.06	
			<i>For Class 54 Rating, Add</i>	895.27	
			<i>For Class 55 Rating, Add</i>	1,989.88	
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,413.63	694.41
			<i>For Class 52 Rating, Deduct</i>	-1,359.77	
			<i>For Class 54 Rating, Add</i>	927.11	
			<i>For Class 55 Rating, Add</i>	2,060.66	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,844.03	695.43
			<i>For Class 52 Rating, Deduct</i>	-1,406.94	
			<i>For Class 54 Rating, Add</i>	959.28	
			<i>For Class 55 Rating, Add</i>	2,132.15	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,270.16	696.46
			<i>For Class 52 Rating, Deduct</i>	-1,453.64	
			<i>For Class 54 Rating, Add</i>	991.12	
			<i>For Class 55 Rating, Add</i>	2,202.93	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,701.42	697.47
			<i>For Class 52 Rating, Deduct</i>	-1,500.91	
			<i>For Class 54 Rating, Add</i>	1,023.35	
			<i>For Class 55 Rating, Add</i>	2,274.56	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,127.55	698.50
			<i>For Class 52 Rating, Deduct</i>	-1,547.61	
			<i>For Class 54 Rating, Add</i>	1,055.19	
			<i>For Class 55 Rating, Add</i>	2,345.34	
40 05 19 00-1529	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,557.10	699.52
			<i>For Class 52 Rating, Deduct</i>	-1,594.69	
			<i>For Class 54 Rating, Add</i>	1,087.29	
			<i>For Class 55 Rating, Add</i>	2,416.69	
40 05 19 00-1530	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,984.08	700.55
			<i>For Class 52 Rating, Deduct</i>	-1,641.49	
			<i>For Class 54 Rating, Add</i>	1,119.20	
			<i>For Class 55 Rating, Add</i>	2,487.61	
40 05 19 00-1531	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,324.60	701.56
			<i>For Class 52 Rating, Deduct</i>	-1,678.78	
			<i>For Class 54 Rating, Add</i>	1,144.62	
			<i>For Class 55 Rating, Add</i>	2,544.11	
40 05 19 00-1532	EA		42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,840.61	702.59
			<i>For Class 52 Rating, Deduct</i>	-1,735.37	
			<i>For Class 54 Rating, Add</i>	1,183.21	
			<i>For Class 55 Rating, Add</i>	2,629.87	
40 05 19 00-1533	EA		42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,266.74	703.61
			<i>For Class 52 Rating, Deduct</i>	-1,782.07	
			<i>For Class 54 Rating, Add</i>	1,215.05	
			<i>For Class 55 Rating, Add</i>	2,700.65	
40 05 19 00-1534	EA		42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,697.13	704.64
			<i>For Class 52 Rating, Deduct</i>	-1,829.25	
			<i>For Class 54 Rating, Add</i>	1,247.21	
			<i>For Class 55 Rating, Add</i>	2,772.14	
40 05 19 00-1535	EA		42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,123.27	705.65
			<i>For Class 52 Rating, Deduct</i>	-1,875.95	
			<i>For Class 54 Rating, Add</i>	1,279.06	
			<i>For Class 55 Rating, Add</i>	2,842.92	
40 05 19 00-1536	EA		42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,554.52	706.68
			<i>For Class 52 Rating, Deduct</i>	-1,923.22	
			<i>For Class 54 Rating, Add</i>	1,311.29	
			<i>For Class 55 Rating, Add</i>	2,914.55	
40 05 19 00-1537	EA		42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,979.80	707.71
			<i>For Class 52 Rating, Deduct</i>	-1,969.83	
			<i>For Class 54 Rating, Add</i>	1,343.06	
			<i>For Class 55 Rating, Add</i>	2,985.18	
40 05 19 00-1538	EA		42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,411.05	708.72
			<i>For Class 52 Rating, Deduct</i>	-2,017.10	
			<i>For Class 54 Rating, Add</i>	1,375.29	
			<i>For Class 55 Rating, Add</i>	3,056.82	
40 05 19 00-1539	EA		42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,837.19	709.75
			<i>For Class 52 Rating, Deduct</i>	-2,063.80	
			<i>For Class 54 Rating, Add</i>	1,407.14	
			<i>For Class 55 Rating, Add</i>	3,127.59	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1540	EA		42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,267.58	710.77
			For Class 52 Rating, Deduct	-2,110.97	
			For Class 54 Rating, Add	1,439.30	
			For Class 55 Rating, Add	3,199.08	
40 05 19 00-1541			48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1542	EA		48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,701.85	845.76
			For Class 52 Rating, Deduct	-486.24	
			For Class 54 Rating, Add	331.53	
			For Class 55 Rating, Add	736.88	
40 05 19 00-1543	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,329.13	846.79
			For Class 52 Rating, Deduct	-555.07	
			For Class 54 Rating, Add	378.46	
			For Class 55 Rating, Add	841.19	
40 05 19 00-1544	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,955.57	847.81
			For Class 52 Rating, Deduct	-623.81	
			For Class 54 Rating, Add	425.33	
			For Class 55 Rating, Add	945.36	
40 05 19 00-1545	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,587.13	848.84
			For Class 52 Rating, Deduct	-693.11	
			For Class 54 Rating, Add	472.58	
			For Class 55 Rating, Add	1,050.38	
40 05 19 00-1546	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,214.42	849.85
			For Class 52 Rating, Deduct	-761.94	
			For Class 54 Rating, Add	519.51	
			For Class 55 Rating, Add	1,154.69	
40 05 19 00-1547	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,841.70	850.88
			For Class 52 Rating, Deduct	-830.77	
			For Class 54 Rating, Add	566.44	
			For Class 55 Rating, Add	1,259.00	
40 05 19 00-1548	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,472.42	851.90
			For Class 52 Rating, Deduct	-899.98	
			For Class 54 Rating, Add	613.62	
			For Class 55 Rating, Add	1,363.88	
40 05 19 00-1549	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,100.55	852.92
			For Class 52 Rating, Deduct	-968.91	
			For Class 54 Rating, Add	660.62	
			For Class 55 Rating, Add	1,468.33	
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,726.98	853.95
			For Class 52 Rating, Deduct	-1,037.64	
			For Class 54 Rating, Add	707.48	
			For Class 55 Rating, Add	1,572.50	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,358.55	854.97
			For Class 52 Rating, Deduct	-1,106.95	
			For Class 54 Rating, Add	754.74	
			For Class 55 Rating, Add	1,677.53	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,985.83	856.00
			For Class 52 Rating, Deduct	-1,175.78	
			For Class 54 Rating, Add	801.67	
			For Class 55 Rating, Add	1,781.83	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,617.40	857.01
			For Class 52 Rating, Deduct	-1,245.08	
			For Class 54 Rating, Add	848.92	
			For Class 55 Rating, Add	1,886.86	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,243.83	858.04
			For Class 52 Rating, Deduct	-1,313.81	
			For Class 54 Rating, Add	895.78	
			For Class 55 Rating, Add	1,991.03	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,871.11	859.06
			For Class 52 Rating, Deduct	-1,382.65	
			For Class 54 Rating, Add	942.71	
			For Class 55 Rating, Add	2,095.34	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,502.68	860.09
			For Class 52 Rating, Deduct	-1,451.95	
			For Class 54 Rating, Add	989.96	
			For Class 55 Rating, Add	2,200.36	
40 05 19 00-1557	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,129.97	861.10
			For Class 52 Rating, Deduct	-1,520.78	
			For Class 54 Rating, Add	1,036.89	
			For Class 55 Rating, Add	2,304.67	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1558	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,756.40	862.13
			For Class 52 Rating, Deduct	-1,589.52	
			For Class 54 Rating, Add	1,083.76	
			For Class 55 Rating, Add	2,408.84	
40 05 19 00-1559	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,387.96	863.15
			For Class 52 Rating, Deduct	-1,658.82	
			For Class 54 Rating, Add	1,131.01	
			For Class 55 Rating, Add	2,513.86	
40 05 19 00-1560	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,015.25	864.17
			For Class 52 Rating, Deduct	-1,727.65	
			For Class 54 Rating, Add	1,177.94	
			For Class 55 Rating, Add	2,618.17	
40 05 19 00-1561	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,641.67	865.19
			For Class 52 Rating, Deduct	-1,796.38	
			For Class 54 Rating, Add	1,224.81	
			For Class 55 Rating, Add	2,722.34	
40 05 19 00-1562	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,273.24	866.22
			For Class 52 Rating, Deduct	-1,865.69	
			For Class 54 Rating, Add	1,272.06	
			For Class 55 Rating, Add	2,827.36	
40 05 19 00-1563	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,901.38	867.25
			For Class 52 Rating, Deduct	-1,934.61	
			For Class 54 Rating, Add	1,319.05	
			For Class 55 Rating, Add	2,931.82	
40 05 19 00-1564	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,527.82	868.26
			For Class 52 Rating, Deduct	-2,003.35	
			For Class 54 Rating, Add	1,365.92	
			For Class 55 Rating, Add	3,035.98	
40 05 19 00-1565	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,159.37	869.29
			For Class 52 Rating, Deduct	-2,072.65	
			For Class 54 Rating, Add	1,413.17	
			For Class 55 Rating, Add	3,141.01	
40 05 19 00-1566	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,786.67	870.31
			For Class 52 Rating, Deduct	-2,141.48	
			For Class 54 Rating, Add	1,460.10	
			For Class 55 Rating, Add	3,245.32	
40 05 19 00-1567	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,413.09	871.33
			For Class 52 Rating, Deduct	-2,210.22	
			For Class 54 Rating, Add	1,506.97	
			For Class 55 Rating, Add	3,349.48	
40 05 19 00-1568	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,044.66	872.35
			For Class 52 Rating, Deduct	-2,279.52	
			For Class 54 Rating, Add	1,554.22	
			For Class 55 Rating, Add	3,454.51	
40 05 19 00-1569	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,671.94	873.38
			For Class 52 Rating, Deduct	-2,348.35	
			For Class 54 Rating, Add	1,601.15	
			For Class 55 Rating, Add	3,558.82	
40 05 19 00-1570	EA		48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,222.20	874.40
			For Class 52 Rating, Deduct	-2,408.71	
			For Class 54 Rating, Add	1,642.30	
			For Class 55 Rating, Add	3,650.29	
40 05 19 00-1571	EA		48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,930.79	875.42
			For Class 52 Rating, Deduct	-2,486.48	
			For Class 54 Rating, Add	1,695.33	
			For Class 55 Rating, Add	3,768.15	
40 05 19 00-1572	EA		48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,557.22	876.44
			For Class 52 Rating, Deduct	-2,555.22	
			For Class 54 Rating, Add	1,742.20	
			For Class 55 Rating, Add	3,872.32	
40 05 19 00-1573	EA		48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,189.64	877.47
			For Class 52 Rating, Deduct	-2,624.62	
			For Class 54 Rating, Add	1,789.51	
			For Class 55 Rating, Add	3,977.49	
40 05 19 00-1574	EA		48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,816.07	878.49
			For Class 52 Rating, Deduct	-2,693.35	
			For Class 54 Rating, Add	1,836.38	
			For Class 55 Rating, Add	4,081.65	
40 05 19 00-1575	EA		48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,442.50	879.51
			For Class 52 Rating, Deduct	-2,762.09	
			For Class 54 Rating, Add	1,883.24	
			For Class 55 Rating, Add	4,185.82	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various pipe and elbow specifications with associated costs.

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-1632	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,137.79	134.56
40 05 19 00-1633	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,341.20	161.48
40 05 19 00-1634	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,841.20	203.35
40 05 19 00-1635	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,719.13	230.26
40 05 19 00-1636	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,804.63	305.02
40 05 19 00-1637	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	7,337.93	345.38
40 05 19 00-1638	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	11,389.66	394.72
40 05 19 00-1639	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	15,612.98	484.43

40 05 19 00-1640 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows
(40 05 19 00-0001)

40 05 19 00-1641	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	265.79	56.21
40 05 19 00-1642	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	338.06	60.40
40 05 19 00-1643	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	381.86	67.29
40 05 19 00-1644	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	532.31	69.98
40 05 19 00-1645	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	558.99	76.85
40 05 19 00-1646	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	614.12	81.04
40 05 19 00-1647	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	572.55	75.06
40 05 19 00-1648	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	648.02	81.93
40 05 19 00-1649	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	753.66	86.12
40 05 19 00-1650	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	798.96	95.69
40 05 19 00-1651	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	753.66	86.12
40 05 19 00-1652	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	840.46	90.31
40 05 19 00-1653	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	937.13	99.88
40 05 19 00-1654	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,043.28	104.96
40 05 19 00-1655	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	869.65	98.83
40 05 19 00-1656	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	941.90	103.02
40 05 19 00-1657	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,087.36	112.59
40 05 19 00-1658	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,192.42	117.52
40 05 19 00-1659	EA		16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,281.17	121.86
40 05 19 00-1660	EA		18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,020.99	112.28
40 05 19 00-1661	EA		18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,240.49	116.47
40 05 19 00-1662	EA		18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,271.24	126.05
40 05 19 00-1663	EA		18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,344.63	130.98
40 05 19 00-1664	EA		18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,465.91	135.31
40 05 19 00-1665	EA		18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,598.16	148.03
40 05 19 00-1666	EA		20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,330.06	133.21
40 05 19 00-1667	EA		20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,424.57	137.41
40 05 19 00-1668	EA		20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,790.88	146.98
40 05 19 00-1669	EA		20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,859.14	151.91
40 05 19 00-1670	EA		20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,062.58	156.24
40 05 19 00-1671	EA		20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,000.52	168.96
40 05 19 00-1672	EA		20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,127.05	182.41
40 05 19 00-1673	EA		24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,913.70	146.68
40 05 19 00-1674	EA		24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,009.06	150.86
40 05 19 00-1675	EA		24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,163.94	160.43
40 05 19 00-1676	EA		24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,277.56	165.36
40 05 19 00-1677	EA		24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,495.56	169.70
40 05 19 00-1678	EA		24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,690.30	182.41
40 05 19 00-1679	EA		24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,745.79	195.87
40 05 19 00-1680	EA		24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,900.86	193.70
40 05 19 00-1681	EA		30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,477.81	202.74
40 05 19 00-1682	EA		30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,711.21	207.08
40 05 19 00-1683	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,197.85	219.79
40 05 19 00-1684	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,903.04	233.24
40 05 19 00-1685	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	5,685.47	254.18
40 05 19 00-1686	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,005.46	267.63
40 05 19 00-1687	EA		36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,849.75	222.93
40 05 19 00-1688	EA		36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,345.77	227.27
40 05 19 00-1689	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	5,102.41	239.97
40 05 19 00-1690	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,725.23	253.43
40 05 19 00-1691	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,400.00	274.36
40 05 19 00-1692	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,989.63	287.82
40 05 19 00-1693	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	7,438.31	325.20
40 05 19 00-1694	EA		42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,728.58	251.94
40 05 19 00-1695	EA		42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	7,307.19	264.64
40 05 19 00-1696	EA		42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,923.82	278.10
40 05 19 00-1697	EA		42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,738.97	299.03
40 05 19 00-1698	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,447.11	312.48
40 05 19 00-1699	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,972.64	349.87
40 05 19 00-1700	EA		42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	14,211.31	370.05
40 05 19 00-1701	EA		48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	13,594.25	361.08
40 05 19 00-1702	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	14,778.23	398.46
40 05 19 00-1703	EA		48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	15,202.57	418.65
40 05 19 00-1704	EA		48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	19,536.22	443.32

40 05 19 00-1705 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows
(40 05 19 00-0001)

40 05 19 00-1706	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	239.11	49.34
40 05 19 00-1707	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	382.36	63.09
40 05 19 00-1708	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	583.37	71.47
40 05 19 00-1709	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	840.91	90.61



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like '12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow' and '4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee'.


 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,885.74	188.24
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,984.84	211.26
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,363.20	219.19
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,444.50	226.52
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,537.16	257.17
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,713.40	273.62
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,865.95	292.38
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,824.79	218.44
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,853.63	225.62
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,002.37	248.65
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,014.38	256.57
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,025.47	263.89
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,128.41	294.55
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,191.00	311.00
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,347.73	352.86
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,206.76	370.80
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,023.61	312.64
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,599.75	318.32
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,643.28	334.62
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,709.51	341.05
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,737.18	346.88
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,807.69	368.55
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,849.18	383.51
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,972.08	414.91
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,166.21	430.61
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,073.59	494.15
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,640.81	270.48
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,189.68	293.50
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,201.69	301.42
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,232.47	308.76
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,319.14	339.41
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,445.08	355.85
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,508.50	397.71
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,696.62	415.66
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,375.53	505.36
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,420.24	552.47
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,906.27	350.02
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,917.37	357.35
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,023.73	388.00
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,048.65	404.44
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,191.69	446.31
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,360.11	464.25
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,778.52	553.96

40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base

(40 05 19 00-0001)

40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	366.60	79.24
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	508.09	97.48
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	771.82	108.85
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,196.14	141.44
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,641.04	154.30
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,839.34	165.96
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,279.97	209.32
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,784.09	239.22
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,734.38	302.02
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	5,473.41	333.42
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	9,268.02	460.51
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	13,332.38	527.80

40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes

(40 05 19 00-0001)

40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	284.42	79.24
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	410.50	97.48
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	623.74	108.85
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	821.21	141.44
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,215.61	154.30
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,609.93	165.96

40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses

(40 05 19 00-0001)

40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	390.50	109.15
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	539.57	118.27
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	565.32	131.87
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	689.75	120.21
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	747.14	136.06
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	768.53	146.23
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	916.54	129.78
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,006.46	145.63
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,104.04	155.80
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,371.60	192.27
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,218.48	134.71
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,275.02	150.56
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,373.45	160.73



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows list various pipe specifications (e.g., 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross) and their associated costs.

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)

Table listing specific reducer sizes and costs, such as 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer with a cost of 210.15.

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	780.48	99.88
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	751.38	104.96
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	982.48	91.96
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	772.92	98.83
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	721.05	103.02
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	805.73	112.59
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,019.51	117.52
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,101.41	121.86
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,246.98	112.28
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	962.29	116.47
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,058.95	126.05
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,046.75	130.98
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,219.38	135.31
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,205.26	148.03
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,259.01	133.21
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,213.13	137.41
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,315.80	146.98
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,274.49	151.91
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,489.06	156.24
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,376.49	168.96
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,722.16	182.41
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,673.51	150.86
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,899.44	160.43
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,049.86	165.36
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,104.37	169.70
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,831.73	182.41
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,234.75	195.87
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,372.70	193.70
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,277.65	219.79
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,411.89	233.24
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,670.45	254.18
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,068.33	267.63
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,535.73	239.97
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,763.28	253.43
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,059.50	274.36
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,514.74	287.82
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,364.03	325.20
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,802.54	312.48
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,824.74	349.87
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,003.22	370.05
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,949.40	361.08
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,173.62	398.46
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,513.02	418.65
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,040.70	443.32

40 05 19 00-1989**Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers**

(40 05 19 00-0001)

40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	233.26	56.21
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	305.53	60.40
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	348.48	67.29
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	385.93	69.98
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	411.76	76.85
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	483.16	81.04
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	506.63	75.06
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	550.44	81.93
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	605.57	86.12
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	702.24	95.69
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	638.10	86.12
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	694.09	90.31
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	774.49	99.88
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	896.05	104.96
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	772.92	98.83
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	843.46	103.02
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	940.12	112.59
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,046.04	117.52
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,101.41	121.86
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	962.29	116.47
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,058.95	126.05
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,164.87	130.98
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,219.38	135.31
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,337.08	148.03
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,442.19	133.21
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,301.30	137.41
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,315.80	146.98
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,446.55	151.91
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,489.06	156.24
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,629.87	168.96
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,721.31	182.41
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,849.84	150.86
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,899.44	160.43
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,942.01	165.36
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,983.67	169.70
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,127.05	182.41



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various pipe and flange items with their respective costs.

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2072	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,265.96
		Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	354.47
		For Hot Dip Galvanized, Add	506.38
40 05 19 00-2073	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,547.28
		Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	433.24
		For Hot Dip Galvanized, Add	618.91
40 05 19 00-2074		Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 (40 05 19)	
		Note: Labor installation is included with pipe fittings or valves.	
40 05 19 00-2075		Full Face Flange Styrene Butadiene (SBR) Gaskets (40 05 19 00-2074)	
40 05 19 00-2076	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	6.26
40 05 19 00-2077	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	7.97
40 05 19 00-2078	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.82
40 05 19 00-2079	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	12.53
40 05 19 00-2080	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	13.66
40 05 19 00-2081	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	22.77
40 05 19 00-2082	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	27.90
40 05 19 00-2083	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	29.61
40 05 19 00-2084	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	45.55
40 05 19 00-2085	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	48.96
40 05 19 00-2086	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	63.20
40 05 19 00-2087	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	72.31
40 05 19 00-2088	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	77.43
40 05 19 00-2089	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	84.83
40 05 19 00-2090		Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-2074)	
		Note: (Acrylonitrile Butadiene)	
40 05 19 00-2091	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	19.36
40 05 19 00-2092	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	27.33
40 05 19 00-2093	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	42.13
40 05 19 00-2094	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	46.12
40 05 19 00-2095	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	49.53
40 05 19 00-2096	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	93.37
40 05 19 00-2097	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	115.01
40 05 19 00-2098	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	115.58
40 05 19 00-2099	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	120.13
40 05 19 00-2100	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	126.97
40 05 19 00-2101	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	140.63
40 05 19 00-2102	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	154.86
40 05 19 00-2103	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	220.34
40 05 19 00-2104	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	240.84
40 05 19 00-2105		Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-2074)	
40 05 19 00-2106	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	17.08
40 05 19 00-2107	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	22.20
40 05 19 00-2108	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	30.18
40 05 19 00-2109	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	35.30
40 05 19 00-2110	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	39.29
40 05 19 00-2111	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	64.91
40 05 19 00-2112	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	78.00
40 05 19 00-2113	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	78.57
40 05 19 00-2114	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	80.28
40 05 19 00-2115	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	93.37
40 05 19 00-2116	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	114.44
40 05 19 00-2117	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	130.38
40 05 19 00-2118	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	186.75
40 05 19 00-2119	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	206.10
40 05 19 00-2120		Full Face Flange Neoprene Gaskets (40 05 19 00-2074)	
		Note: (Polychloroprene)	
40 05 19 00-2121	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick.....	19.93
40 05 19 00-2122	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick.....	27.90
40 05 19 00-2123	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick.....	42.70
40 05 19 00-2124	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick.....	46.12
40 05 19 00-2125	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick.....	49.53
40 05 19 00-2126	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick.....	66.04
40 05 19 00-2127	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick.....	116.15
40 05 19 00-2128	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick.....	116.72
40 05 19 00-2129	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick.....	123.55
40 05 19 00-2130	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick.....	125.26
40 05 19 00-2131	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick.....	136.07
40 05 19 00-2132	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick.....	153.16
40 05 19 00-2133	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick.....	222.05
40 05 19 00-2134	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick.....	243.11
40 05 19 00-2135		Full Face Flange FKM Gaskets (40 05 19 00-2074)	
		Note: (Fluoroelastomer Fluorel Viton®)	



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 40 05 19 00-2136 EA 4" Full Face Flange FKM Gasket, 1/8" Thick.

40 05 19 00-2150 Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 40 05 19 00-2151 EA 4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).

40 05 23 Stainless Steel Process Pipe and Tubing (40 05)

40 05 23 43 Stainless Steel Process Pipe (40 05 23)

40 05 23 43-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23 43)

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 40 05 23 43-0002 LF 1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.

40 05 23 43-0011 Stainless Steel Tubing And Fittings (40 05 23 43)

40 05 23 43-0012 Type 304 Tubing (40 05 23 43-0011)

40 05 23 43-0013 0.035" Wall (40 05 23 43-0012)

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 40 05 23 43-0014 LF 1/4", 0.035" Wall, Type 304, Stainless Steel Tubing.

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0017 LF 5/8", 0.035" Wall, Type 304, Stainless Steel Tubing.....	8.70	2.39
<i>For Work In Restricted Working Space, Add</i>	1.43	
40 05 23 43-0018 LF 3/4", 0.035" Wall, Type 304, Stainless Steel Tubing.....	10.30	2.68
<i>For Work In Restricted Working Space, Add</i>	1.62	
40 05 23 43-0019 LF 7/8", 0.035" Wall, Type 304, Stainless Steel Tubing.....	11.39	3.01
<i>For Work In Restricted Working Space, Add</i>	1.80	
40 05 23 43-0020 LF 1", 0.035" Wall, Type 304, Stainless Steel Tubing.....	12.78	3.63
<i>For Work In Restricted Working Space, Add</i>	2.16	
40 05 23 43-0021 0.049" Wall <small>(40 05 23 43-0012)</small>		
40 05 23 43-0022 LF 1/4", 0.049" Wall, Type 304, Stainless Steel Tubing.....	6.44	1.79
<i>For Work In Restricted Working Space, Add</i>	1.08	
40 05 23 43-0023 LF 3/8", 0.049" Wall, Type 304, Stainless Steel Tubing.....	7.19	2.12
<i>For Work In Restricted Working Space, Add</i>	1.26	
40 05 23 43-0024 LF 1/2", 0.049" Wall, Type 304, Stainless Steel Tubing.....	8.62	2.39
<i>For Work In Restricted Working Space, Add</i>	1.43	
40 05 23 43-0025 LF 5/8", 0.049" Wall, Type 304, Stainless Steel Tubing.....	10.90	3.01
<i>For Work In Restricted Working Space, Add</i>	1.80	
40 05 23 43-0026 LF 3/4", 0.049" Wall, Type 304, Stainless Steel Tubing.....	12.50	3.63
<i>For Work In Restricted Working Space, Add</i>	2.16	
40 05 23 43-0027 LF 7/8", 0.049" Wall, Type 304, Stainless Steel Tubing.....	14.08	4.18
<i>For Work In Restricted Working Space, Add</i>	2.51	
40 05 23 43-0028 LF 1", 0.049" Wall, Type 304, Stainless Steel Tubing.....	16.24	4.74
<i>For Work In Restricted Working Space, Add</i>	2.86	
40 05 23 43-0029 0.065" Wall <small>(40 05 23 43-0012)</small>		
40 05 23 43-0030 LF 1/4", 0.065" Wall, Type 304, Stainless Steel Tubing.....	7.51	2.12
<i>For Work In Restricted Working Space, Add</i>	1.26	
40 05 23 43-0031 LF 3/8", 0.065" Wall, Type 304, Stainless Steel Tubing.....	8.64	2.39
<i>For Work In Restricted Working Space, Add</i>	1.43	
40 05 23 43-0032 LF 1/2", 0.065" Wall, Type 304, Stainless Steel Tubing.....	10.66	3.01
<i>For Work In Restricted Working Space, Add</i>	1.80	
40 05 23 43-0033 LF 5/8", 0.065" Wall, Type 304, Stainless Steel Tubing.....	12.55	3.63
<i>For Work In Restricted Working Space, Add</i>	2.16	
40 05 23 43-0034 LF 3/4", 0.065" Wall, Type 304, Stainless Steel Tubing.....	14.79	4.18
<i>For Work In Restricted Working Space, Add</i>	2.51	
40 05 23 43-0035 LF 7/8", 0.065" Wall, Type 304, Stainless Steel Tubing.....	16.99	4.74
<i>For Work In Restricted Working Space, Add</i>	2.86	
40 05 23 43-0036 LF 1", 0.065" Wall, Type 304, Stainless Steel Tubing.....	19.14	5.36
<i>For Work In Restricted Working Space, Add</i>	3.22	
40 05 23 43-0037 Type 304 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0038 90 Degree Elbows <small>(40 05 23 43-0037)</small>		
40 05 23 43-0039 EA 1/4", Type 304, Stainless Steel, 90 Degree Elbow.....	24.10	6.02
<i>For Work In Restricted Working Space, Add</i>	3.59	
40 05 23 43-0040 EA 3/8", Type 304, Stainless Steel, 90 Degree Elbow.....	28.40	6.58
<i>For Work In Restricted Working Space, Add</i>	3.94	
40 05 23 43-0041 EA 1/2", Type 304, Stainless Steel, 90 Degree Elbow.....	42.25	7.42
<i>For Work In Restricted Working Space, Add</i>	4.46	
40 05 23 43-0042 EA 5/8", Type 304, Stainless Steel, 90 Degree Elbow.....	45.22	8.31
<i>For Work In Restricted Working Space, Add</i>	4.99	
40 05 23 43-0043 EA 3/4", Type 304, Stainless Steel, 90 Degree Elbow.....	50.51	8.97
<i>For Work In Restricted Working Space, Add</i>	5.39	
40 05 23 43-0044 EA 7/8", Type 304, Stainless Steel, 90 Degree Elbow.....	68.50	9.97
<i>For Work In Restricted Working Space, Add</i>	5.97	
40 05 23 43-0045 EA 1", Type 304, Stainless Steel, 90 Degree Elbow.....	87.06	11.87
<i>For Work In Restricted Working Space, Add</i>	7.12	
40 05 23 43-0046 Union Tees <small>(40 05 23 43-0037)</small>		
40 05 23 43-0047 EA 1/4", Type 304, Stainless Steel, Union Tee.....	38.13	8.97
<i>For Work In Restricted Working Space, Add</i>	5.39	
40 05 23 43-0048 EA 3/8", Type 304, Stainless Steel, Union Tee.....	46.05	9.97
<i>For Work In Restricted Working Space, Add</i>	5.97	
40 05 23 43-0049 EA 1/2", Type 304, Stainless Steel, Union Tee.....	62.39	11.15
<i>For Work In Restricted Working Space, Add</i>	6.69	
40 05 23 43-0050 EA 5/8", Type 304, Stainless Steel, Union Tee.....	67.27	12.65
<i>For Work In Restricted Working Space, Add</i>	7.60	
40 05 23 43-0051 EA 3/4", Type 304, Stainless Steel, Union Tee.....	85.40	13.60
<i>For Work In Restricted Working Space, Add</i>	8.16	
40 05 23 43-0052 EA 7/8", Type 304, Stainless Steel, Union Tee.....	134.30	15.05
<i>For Work In Restricted Working Space, Add</i>	9.04	
40 05 23 43-0053 EA 1", Type 304, Stainless Steel, Union Tee.....	160.93	18.01
<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0054 Unions <small>(40 05 23 43-0037)</small>		
40 05 23 43-0055 EA 1/4", Type 304, Stainless Steel, Union.....	36.52	8.97
<i>For Work In Restricted Working Space, Add</i>	5.39	
40 05 23 43-0056 EA 3/8", Type 304, Stainless Steel, Union.....	46.95	9.97
<i>For Work In Restricted Working Space, Add</i>	5.97	
40 05 23 43-0057 EA 1/2", Type 304, Stainless Steel, Union.....	62.98	11.15
<i>For Work In Restricted Working Space, Add</i>	6.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0058 EA 5/8", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	76.58 7.60	12.65
40 05 23 43-0059 EA 3/4", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	91.06 8.16	13.60
40 05 23 43-0060 EA 7/8", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	138.82 9.04	15.05
40 05 23 43-0061 EA 1", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	148.12 10.79	18.01
40 05 23 43-0062 Male Connectors (40 05 23 43-0037)		
40 05 23 43-0063 EA 1/4" x 1/4", Type 304, Stainless Steel, Male Connection..... <i>For Work In Restricted Working Space, Add</i>	18.36 3.59	6.02
40 05 23 43-0064 EA 3/8" x 3/8", Type 304, Stainless Steel, Male Connection..... <i>For Work In Restricted Working Space, Add</i>	22.75 3.94	6.58
40 05 23 43-0065 EA 1/2" x 1/2", Type 304, Stainless Steel, Male Connection..... <i>For Work In Restricted Working Space, Add</i>	29.27 4.46	7.42
40 05 23 43-0066 EA 5/8" x 5/8" Male Connection, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	32.98 4.99	8.31
40 05 23 43-0067 EA 3/4" x 3/4", Type 304, Stainless Steel, Male Connection..... <i>For Work In Restricted Working Space, Add</i>	39.63 5.39	8.97
40 05 23 43-0068 EA 7/8" x 7/8", Type 304, Stainless Steel, Male Connection..... <i>For Work In Restricted Working Space, Add</i>	58.97 5.97	9.97
40 05 23 43-0069 EA 1" x 1", Type 304, Stainless Steel, Male Connection..... <i>For Work In Restricted Working Space, Add</i>	62.05 7.12	11.87
40 05 23 43-0070 Type 304 Valves (40 05 23 43-0011)		
40 05 23 43-0071 Gate Valves (40 05 23 43-0070)		
40 05 23 43-0072 EA 1/4" Gate Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	157.49 4.87	8.97
40 05 23 43-0073 EA 3/8" Gate Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	271.81 5.13	10.54
40 05 23 43-0074 EA 1/2" Gate Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	278.44 7.12	11.87
40 05 23 43-0075 EA 3/4" Gate Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	308.10 8.16	13.60
40 05 23 43-0076 EA 1" Gate Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	275.94 10.79	18.01
40 05 23 43-0077 Globe Valves (40 05 23 43-0070)		
40 05 23 43-0078 EA 1/4" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	159.81 4.87	8.97
40 05 23 43-0079 EA 3/8" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	101.60 5.13	10.54
40 05 23 43-0080 EA 1/2" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	186.89 7.12	11.87
40 05 23 43-0081 EA 3/4" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	207.55 8.16	13.60
40 05 23 43-0082 EA 1" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	305.08 10.79	18.01
40 05 23 43-0083 Check Valves (40 05 23 43-0070)		
40 05 23 43-0084 EA 1/4" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	227.82 4.87	8.97
40 05 23 43-0085 EA 3/8" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	228.68 5.13	10.54
40 05 23 43-0086 EA 1/2" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	142.00 7.12	11.87
40 05 23 43-0087 EA 3/4" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	147.18 8.16	13.60
40 05 23 43-0088 EA 1" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	159.38 10.79	18.01
40 05 23 43-0089 Plug Valves (40 05 23 43-0070)		
40 05 23 43-0090 EA 1/2" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	353.25 7.12	11.87
40 05 23 43-0091 EA 3/4" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	386.01 8.16	13.60
40 05 23 43-0092 EA 1" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	433.83 10.79	18.01
40 05 23 43-0093 EA 1-1/2" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	608.34 12.20	20.34
40 05 23 43-0094 EA 2" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	790.45 16.72	27.87
40 05 23 43-0095 Type 316 Tubing (40 05 23 43-0011)		
40 05 23 43-0096 0.035" Wall (40 05 23 43-0095)		
40 05 23 43-0097 LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	4.10 0.90	1.51

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0098	LF		3/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	5.31 1.08	1.79
40 05 23 43-0099	LF		1/2" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	5.91 1.26	2.12
40 05 23 43-0100	LF		5/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	9.86 1.43	2.39
40 05 23 43-0101	LF		3/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	11.19 1.62	2.68
40 05 23 43-0102	LF		7/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	14.15 1.80	3.01
40 05 23 43-0103	LF		1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	14.92 2.16	3.63
40 05 23 43-0104			0.049" Wall (40 05 23 43-0095)		
40 05 23 43-0105	LF		1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	7.06 1.08	1.79
40 05 23 43-0106	LF		3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	7.84 1.26	2.12
40 05 23 43-0107	LF		1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	9.22 1.43	2.39
40 05 23 43-0108	LF		5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	12.02 1.80	3.01
40 05 23 43-0109	LF		3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	13.90 2.16	3.63
40 05 23 43-0110	LF		7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	17.68 2.51	4.18
40 05 23 43-0111	LF		1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	18.12 2.86	4.74
40 05 23 43-0112			0.065" Wall (40 05 23 43-0095)		
40 05 23 43-0113	LF		1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	8.25 1.26	2.12
40 05 23 43-0114	LF		3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	9.20 1.43	2.39
40 05 23 43-0115	LF		1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	11.55 1.80	3.01
40 05 23 43-0116	LF		5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	13.77 2.16	3.63
40 05 23 43-0117	LF		3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	16.66 2.51	4.18
40 05 23 43-0118	LF		7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	18.37 2.86	4.74
40 05 23 43-0119	LF		1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	21.38 3.22	5.36
40 05 23 43-0120			Type 316 Tube Fittings (40 05 23 43-0011)		
40 05 23 43-0121			90 Degree Elbows (40 05 23 43-0120)		
40 05 23 43-0122	EA		1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	32.84 3.59	6.02
40 05 23 43-0123	EA		3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	39.42 3.94	6.58
40 05 23 43-0124	EA		1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	62.03 4.46	7.42
40 05 23 43-0125	EA		5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	65.85 4.99	8.31
40 05 23 43-0126	EA		3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	73.99 5.39	8.97
40 05 23 43-0127	EA		7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	103.59 5.97	9.97
40 05 23 43-0128	EA		1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	132.79 7.12	11.87
40 05 23 43-0129			Union Tees (40 05 23 43-0120)		
40 05 23 43-0130	EA		1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	52.67 5.39	8.97
40 05 23 43-0131	EA		3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	64.92 5.97	9.97
40 05 23 43-0132	EA		1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	91.34 6.69	11.15
40 05 23 43-0133	EA		5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	97.55 7.60	12.65
40 05 23 43-0134	EA		3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	127.42 8.16	13.60
40 05 23 43-0135	EA		7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	209.50 9.04	15.05
40 05 23 43-0136	EA		1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	251.16 10.79	18.01
40 05 23 43-0137			Unions (40 05 23 43-0120)		
40 05 23 43-0138	EA		1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	34.31 5.39	8.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0139 EA 3/8" Union, Stainless Steel Type 316.....	43.72	9.97
For Work In Restricted Working Space, Add	5.97	
40 05 23 43-0140 EA 1/2" Union, Stainless Steel Type 316.....	58.12	11.15
For Work In Restricted Working Space, Add	6.69	
40 05 23 43-0141 EA 5/8" Union, Stainless Steel Type 316.....	70.46	12.65
For Work In Restricted Working Space, Add	7.60	
40 05 23 43-0142 EA 3/4" Union, Stainless Steel Type 316.....	83.43	13.60
For Work In Restricted Working Space, Add	8.16	
40 05 23 43-0143 EA 7/8" Union, Stainless Steel Type 316.....	125.82	15.05
For Work In Restricted Working Space, Add	9.04	
40 05 23 43-0144 EA 1" Union, Stainless Steel Type 316.....	134.72	18.01
For Work In Restricted Working Space, Add	10.79	
40 05 23 43-0145 Male Connectors (40 05 23 43-0120)		
40 05 23 43-0146 EA 1/4" x 1/4" Male Connector, Stainless Steel Type 316.....	22.86	6.02
For Work In Restricted Working Space, Add	3.59	
40 05 23 43-0147 EA 3/8" x 3/8" Male Connector, Stainless Steel Type 316.....	29.56	6.58
For Work In Restricted Working Space, Add	3.94	
40 05 23 43-0148 EA 1/2" x 1/2" Male Connector, Stainless Steel Type 316.....	39.46	7.42
For Work In Restricted Working Space, Add	4.46	
40 05 23 43-0149 EA 5/8" x 5/8" Male Connector, Stainless Steel Type 316.....	44.53	8.31
For Work In Restricted Working Space, Add	4.99	
40 05 23 43-0150 EA 3/4" x 3/4" Male Connector, Stainless Steel Type 316.....	54.94	8.97
For Work In Restricted Working Space, Add	5.39	
40 05 23 43-0151 EA 7/8" x 7/8" Male Connector, Stainless Steel Type 316.....	86.58	9.97
For Work In Restricted Working Space, Add	5.97	
40 05 23 43-0152 EA 1" x 1" Male Connector, Stainless Steel Type 316.....	89.14	11.87
For Work In Restricted Working Space, Add	7.12	
40 05 23 43-0153 Type 316 Valves (40 05 23 43-0011)		
40 05 23 43-0154 Gate Valves (40 05 23 43-0153)		
40 05 23 43-0155 EA 1/4" Gate Valve, Stainless Steel Type 316.....	203.10	8.97
For Work In Restricted Working Space, Add	4.87	
40 05 23 43-0156 EA 3/8" Gate Valve, Stainless Steel Type 316.....	354.05	10.54
For Work In Restricted Working Space, Add	5.13	
40 05 23 43-0157 EA 1/2" Gate Valve, Stainless Steel Type 316.....	360.68	11.87
For Work In Restricted Working Space, Add	7.12	
40 05 23 43-0158 EA 3/4" Gate Valve, Stainless Steel Type 316.....	398.80	13.60
For Work In Restricted Working Space, Add	8.16	
40 05 23 43-0159 EA 1" Gate Valve, Stainless Steel Type 316.....	353.42	18.01
For Work In Restricted Working Space, Add	10.79	
40 05 23 43-0160 EA 1-1/4" Gate Valve, Stainless Steel Type 316.....	493.61	18.67
For Work In Restricted Working Space, Add	11.21	
40 05 23 43-0161 EA 1-1/2" Gate Valve, Stainless Steel Type 316.....	805.99	20.34
For Work In Restricted Working Space, Add	12.20	
40 05 23 43-0162 EA 2" Gate Valve, Stainless Steel Type 316.....	953.70	27.87
For Work In Restricted Working Space, Add	16.72	
40 05 23 43-0163 EA 2-1/2" Gate Valve, Stainless Steel Type 316.....	1,351.91	89.24
For Work In Restricted Working Space, Add	53.53	
40 05 23 43-0164 Globe Valves (40 05 23 43-0153)		
40 05 23 43-0165 EA 1/4" Globe Valve, Stainless Steel Type 316.....	206.16	8.97
For Work In Restricted Working Space, Add	4.87	
40 05 23 43-0166 EA 3/8" Globe Valve, Stainless Steel Type 316.....	128.88	10.54
For Work In Restricted Working Space, Add	5.13	
40 05 23 43-0167 EA 1/2" Globe Valve, Stainless Steel Type 316.....	239.57	11.87
For Work In Restricted Working Space, Add	7.12	
40 05 23 43-0168 EA 3/4" Globe Valve, Stainless Steel Type 316.....	265.79	13.60
For Work In Restricted Working Space, Add	8.16	
40 05 23 43-0169 EA 1" Globe Valve, Stainless Steel Type 316.....	391.97	18.01
For Work In Restricted Working Space, Add	10.79	
40 05 23 43-0170 EA 1-1/4" Globe Valve, Stainless Steel Type 316.....	494.81	18.56
For Work In Restricted Working Space, Add	11.12	
40 05 23 43-0171 EA 1-1/2" Globe Valve, Stainless Steel Type 316.....	836.60	20.34
For Work In Restricted Working Space, Add	12.20	
40 05 23 43-0172 EA 2" Globe Valve, Stainless Steel Type 316.....	984.32	27.87
For Work In Restricted Working Space, Add	16.72	
40 05 23 43-0173 EA 2-1/2" Globe Valve, Stainless Steel Type 316.....	1,158.03	89.24
For Work In Restricted Working Space, Add	53.53	
40 05 23 43-0174 Check Valves (40 05 23 43-0153)		
40 05 23 43-0175 EA 1/4" Check Valve, Stainless Steel Type 316.....	296.14	8.97
For Work In Restricted Working Space, Add	4.87	
40 05 23 43-0176 EA 3/8" Check Valve, Stainless Steel Type 316.....	297.00	10.54
For Work In Restricted Working Space, Add	5.13	
40 05 23 43-0177 EA 1/2" Check Valve, Stainless Steel Type 316.....	180.18	11.87
For Work In Restricted Working Space, Add	7.12	
40 05 23 43-0178 EA 3/4" Check Valve, Stainless Steel Type 316.....	185.92	13.60
For Work In Restricted Working Space, Add	8.16	
40 05 23 43-0179 EA 1" Check Valve, Stainless Steel Type 316.....	199.23	18.01
For Work In Restricted Working Space, Add	10.79	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0180	EA	1-1/4"	Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	284.09 11.21	18.67
40 05 23 43-0181	EA	1-1/2"	Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	663.13 12.20	20.34
40 05 23 43-0182	EA	2"	Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	800.64 16.72	27.87
40 05 23 43-0183	EA	2-1/2"	Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,538.98 53.53	89.24
40 05 23 43-0184			Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined (40 05 23 43-0153)		
40 05 23 43-0185	EA	1/2"	Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	313.81 7.12	11.87
40 05 23 43-0186	EA	3/4"	Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	366.94 8.16	13.60
40 05 23 43-0187	EA	1"	Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	467.11 10.79	18.01
40 05 23 43-0188	EA	1-1/2"	Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	755.95 12.20	20.34
40 05 23 43-0189	EA	2"	Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	1,057.12 16.72	27.87
40 05 23 43-0190			Diaphragm Valves, Teflon Lined (40 05 23 43-0153)		
40 05 23 43-0191	EA	1/2"	Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	421.09 7.12	11.87
40 05 23 43-0192	EA	3/4"	Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	484.17 8.16	13.60
40 05 23 43-0193	EA	1"	Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	584.34 10.79	18.01
40 05 23 43-0194	EA	1-1/2"	Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	920.86 12.20	20.34
40 05 23 43-0195	EA	2"	Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,253.82 16.72	27.87
40 05 23 43-0196			Strainers (40 05 23 43-0153)		
40 05 23 43-0197	EA	1/2"	Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	422.13 7.12	11.87
40 05 23 43-0198	EA	3/4"	Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	505.93 8.19	13.65
40 05 23 43-0199	EA	1"	Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	661.63 10.87	18.12
40 05 23 43-0200	EA	1-1/4"	Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	826.95 11.21	18.67
40 05 23 43-0201	EA	1-1/2"	Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,042.32 12.21	20.34
40 05 23 43-0202	EA	2"	Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,505.26 16.73	27.87
40 05 23 43-0203	EA	2-1/2"	Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,070.38 22.24	37.07
40 05 23 43-0204	EA	3"	Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,012.55 33.44	55.74
40 05 23 43-0205	EA	4"	Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,830.92 53.51	89.19
40 05 23 43-0206			Plug Valves (40 05 23 43-0153)		
40 05 23 43-0207	EA	1/2"	Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	450.93 7.12	11.87
40 05 23 43-0208	EA	3/4"	Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	492.37 8.16	13.60
40 05 23 43-0209	EA	1"	Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	551.77 10.79	18.01
40 05 23 43-0210	EA	1-1/2"	Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	776.60 12.20	20.34
40 05 23 43-0211	EA	2"	Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,008.23 16.72	27.87
40 05 23 43-0212			Cut And Prepare Existing Pipe In-Place (40 05 23 43-0011) Note: For use when connecting pipe to an existing in-place system.		
40 05 23 43-0213	EA		Cut And Prepare 1/2" Stainless Steel Pipe.....	9.04	
40 05 23 43-0214	EA		Cut And Prepare 3/4" Stainless Steel Pipe.....	9.76	
40 05 23 43-0215	EA		Cut And Prepare 1" Stainless Steel Pipe.....	10.98	
40 05 23 43-0216	EA		Cut And Prepare 1-1/4" Stainless Steel Pipe.....	11.52	
40 05 23 43-0217	EA		Cut And Prepare 1-1/2" Stainless Steel Pipe.....	12.20	
40 05 23 43-0218	EA		Cut And Prepare 2" Stainless Steel Pipe.....	13.10	
40 05 23 43-0219	EA		Cut And Prepare 2-1/2" Stainless Steel Pipe.....	14.01	
40 05 23 43-0220	EA		Cut And Prepare 3" Stainless Steel Pipe.....	15.36	
40 05 23 43-0221	EA		Cut And Prepare 4" Stainless Steel Pipe.....	16.71	
40 05 23 43-0222	EA		Cut And Prepare 6" Stainless Steel Pipe.....	18.07	
40 05 23 43-0223	EA		Cut And Prepare 8" Stainless Steel Pipe.....	19.43	
40 05 23 43-0224	EA		Cut And Prepare 10" Stainless Steel Pipe.....	21.24	
40 05 23 43-0225	EA		Cut And Prepare 12" Stainless Steel Pipe.....	23.04	
40 05 23 43-0226	EA		Cut And Prepare 14" Stainless Steel Pipe.....	24.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0227 EA Cut And Prepare 16" Stainless Steel Pipe	26.65	
40 05 23 43-0228 EA Cut And Prepare 18" Stainless Steel Pipe	28.01	
40 05 23 43-0229 EA Cut And Prepare 20" Stainless Steel Pipe	29.37	
40 05 23 43-0230 EA Cut And Prepare 24" Stainless Steel Pipe	31.18	
40 05 23 43-0231 Stainless Steel Pipe And Fittings (40 05 23 43)		
40 05 23 43-0232 Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings		
<i>(40 05 23 43-0231)</i>		
40 05 23 43-0233 Pipe (40 05 23 43-0232)		
40 05 23 43-0234 LF 1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	9.82	2.39
<i>For Work In Restricted Working Space, Add</i>	1.43	
40 05 23 43-0235 LF 3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	12.05	3.01
<i>For Work In Restricted Working Space, Add</i>	1.80	
40 05 23 43-0236 LF 1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	14.89	3.63
<i>For Work In Restricted Working Space, Add</i>	2.16	
40 05 23 43-0237 LF 1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	18.00	4.18
<i>For Work In Restricted Working Space, Add</i>	2.51	
40 05 23 43-0238 LF 1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	20.91	4.74
<i>For Work In Restricted Working Space, Add</i>	2.86	
40 05 23 43-0239 LF 2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	26.79	6.02
<i>For Work In Restricted Working Space, Add</i>	3.59	
40 05 23 43-0240 LF 2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	37.15	7.13
<i>For Work In Restricted Working Space, Add</i>	4.29	
40 05 23 43-0241 LF 3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	46.69	8.97
<i>For Work In Restricted Working Space, Add</i>	5.39	
40 05 23 43-0242 LF 4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	63.47	11.87
<i>For Work In Restricted Working Space, Add</i>	7.12	
40 05 23 43-0243 90 Degree Elbows (40 05 23 43-0232)		
40 05 23 43-0244 EA 1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	22.80	8.97
<i>For Work In Restricted Working Space, Add</i>	5.39	
40 05 23 43-0245 EA 3/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	29.20	11.87
<i>For Work In Restricted Working Space, Add</i>	7.12	
40 05 23 43-0246 EA 1" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	37.41	15.05
<i>For Work In Restricted Working Space, Add</i>	9.04	
40 05 23 43-0247 EA 1-1/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	52.21	20.62
<i>For Work In Restricted Working Space, Add</i>	12.39	
40 05 23 43-0248 EA 1-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	60.89	24.25
<i>For Work In Restricted Working Space, Add</i>	14.54	
40 05 23 43-0249 EA 2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	76.60	29.32
<i>For Work In Restricted Working Space, Add</i>	17.60	
40 05 23 43-0250 EA 2-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	142.41	46.43
<i>For Work In Restricted Working Space, Add</i>	27.87	
40 05 23 43-0251 EA 3" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	182.38	59.92
<i>For Work In Restricted Working Space, Add</i>	35.96	
40 05 23 43-0252 EA 4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	271.18	74.30
<i>For Work In Restricted Working Space, Add</i>	44.60	
40 05 23 43-0253 45 Degree Elbows (40 05 23 43-0232)		
40 05 23 43-0254 EA 1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	24.58	8.97
<i>For Work In Restricted Working Space, Add</i>	5.39	
40 05 23 43-0255 EA 3/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	30.87	11.87
<i>For Work In Restricted Working Space, Add</i>	7.12	
40 05 23 43-0256 EA 1" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	38.01	15.05
<i>For Work In Restricted Working Space, Add</i>	9.04	
40 05 23 43-0257 EA 1-1/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	51.49	20.62
<i>For Work In Restricted Working Space, Add</i>	12.39	
40 05 23 43-0258 EA 1-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	61.66	24.25
<i>For Work In Restricted Working Space, Add</i>	14.54	
40 05 23 43-0259 EA 2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	77.31	29.32
<i>For Work In Restricted Working Space, Add</i>	17.60	
40 05 23 43-0260 EA 2-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	157.40	46.43
<i>For Work In Restricted Working Space, Add</i>	27.87	
40 05 23 43-0261 EA 3" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	211.02	59.92
<i>For Work In Restricted Working Space, Add</i>	35.96	
40 05 23 43-0262 EA 4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	313.46	74.30
<i>For Work In Restricted Working Space, Add</i>	44.60	
40 05 23 43-0263 Tees (40 05 23 43-0232)		
40 05 23 43-0264 EA 1/2" Tee, Stainless Steel, Schedule 40 Type 304	34.42	13.60
<i>For Work In Restricted Working Space, Add</i>	8.16	
40 05 23 43-0265 EA 3/4" Tee, Stainless Steel, Schedule 40 Type 304	43.68	18.01
<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0266 EA 1" Tee, Stainless Steel, Schedule 40 Type 304	53.71	22.29
<i>For Work In Restricted Working Space, Add</i>	13.38	
40 05 23 43-0267 EA 1-1/4" Tee, Stainless Steel, Schedule 40 Type 304	76.85	30.99
<i>For Work In Restricted Working Space, Add</i>	18.58	
40 05 23 43-0268 EA 1-1/2" Tee, Stainless Steel, Schedule 40 Type 304	88.42	34.84
<i>For Work In Restricted Working Space, Add</i>	20.90	
40 05 23 43-0269 EA 2" Tee, Stainless Steel, Schedule 40 Type 304	115.55	46.43
<i>For Work In Restricted Working Space, Add</i>	27.87	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0270	EA		2-1/2" Tee, Stainless Steel, Schedule 40 Type 304.....	209.23	67.17
			<i>For Work In Restricted Working Space, Add</i>	40.30	
40 05 23 43-0271	EA		3" Tee, Stainless Steel, Schedule 40 Type 304.....	293.81	89.91
			<i>For Work In Restricted Working Space, Add</i>	53.94	
40 05 23 43-0272	EA		4" Tee, Stainless Steel, Schedule 40 Type 304.....	406.67	111.48
			<i>For Work In Restricted Working Space, Add</i>	66.89	
40 05 23 43-0273			Reducers (40 05 23 43-0232)		
40 05 23 43-0274	EA		3/4" x 1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	28.26	11.87
			<i>For Work In Restricted Working Space, Add</i>	7.12	
40 05 23 43-0275	EA		1" x 3/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	36.84	15.05
			<i>For Work In Restricted Working Space, Add</i>	9.04	
40 05 23 43-0276	EA		1-1/4" x 1" Reducer, Stainless Steel, Schedule 40 Type 304.....	55.03	20.62
			<i>For Work In Restricted Working Space, Add</i>	12.39	
40 05 23 43-0277	EA		1-1/2" x 1-1/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	63.63	24.25
			<i>For Work In Restricted Working Space, Add</i>	14.54	
40 05 23 43-0278	EA		2" x 1-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	82.30	29.32
			<i>For Work In Restricted Working Space, Add</i>	17.60	
40 05 23 43-0279	EA		2-1/2" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	142.55	46.43
			<i>For Work In Restricted Working Space, Add</i>	27.87	
40 05 23 43-0280	EA		3" x 2-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	172.99	59.92
			<i>For Work In Restricted Working Space, Add</i>	35.96	
40 05 23 43-0281	EA		4" x 3" Reducer, Stainless Steel, Schedule 40 Type 304.....	252.31	74.30
			<i>For Work In Restricted Working Space, Add</i>	44.60	
40 05 23 43-0282	EA		4" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	212.43	68.28
			<i>For Work In Restricted Working Space, Add</i>	40.97	
40 05 23 43-0283			Unions (40 05 23 43-0232)		
40 05 23 43-0284	EA		1/2" Union, Stainless Steel, Schedule 40 Type 304.....	37.24	13.60
			<i>For Work In Restricted Working Space, Add</i>	8.16	
40 05 23 43-0285	EA		3/4" Union, Stainless Steel, Schedule 40 Type 304.....	49.74	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0286	EA		1" Union, Stainless Steel, Schedule 40 Type 304.....	64.59	22.29
			<i>For Work In Restricted Working Space, Add</i>	13.38	
40 05 23 43-0287	EA		1-1/4" Union, Stainless Steel, Schedule 40 Type 304.....	98.69	30.99
			<i>For Work In Restricted Working Space, Add</i>	18.58	
40 05 23 43-0288	EA		1-1/2" Union, Stainless Steel, Schedule 40 Type 304.....	112.89	34.84
			<i>For Work In Restricted Working Space, Add</i>	20.90	
40 05 23 43-0289	EA		2" Union, Stainless Steel, Schedule 40 Type 304.....	147.46	46.43
			<i>For Work In Restricted Working Space, Add</i>	27.87	
40 05 23 43-0290			Threaded Flanges (40 05 23 43-0232)		
40 05 23 43-0291	EA		2-1/2" Threaded Flange, Stainless Steel, Schedule 40 Type 304.....	136.91	46.43
			<i>For Work In Restricted Working Space, Add</i>	27.87	
40 05 23 43-0292	EA		3" Threaded Flange, Stainless Steel, Schedule 40 Type 304.....	166.57	94.76
			<i>For Work In Restricted Working Space, Add</i>	35.58	
40 05 23 43-0293	EA		4" Threaded Flange, Stainless Steel, Schedule 40 Type 304.....	217.58	74.30
			<i>For Work In Restricted Working Space, Add</i>	44.60	
40 05 23 43-0294			Caps (40 05 23 43-0232)		
40 05 23 43-0295	EA		1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	10.83	4.52
			<i>For Work In Restricted Working Space, Add</i>	2.70	
40 05 23 43-0296	EA		3/4" Caps, Stainless Steel, Schedule 40 Type 304.....	14.67	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.59	
40 05 23 43-0297	EA		1" Caps, Stainless Steel, Schedule 40 Type 304.....	18.82	7.42
			<i>For Work In Restricted Working Space, Add</i>	4.46	
40 05 23 43-0298	EA		1-1/4" Caps, Stainless Steel, Schedule 40 Type 304.....	31.41	10.54
			<i>For Work In Restricted Working Space, Add</i>	6.31	
40 05 23 43-0299	EA		1-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	35.68	11.87
			<i>For Work In Restricted Working Space, Add</i>	7.12	
40 05 23 43-0300	EA		2" Caps, Stainless Steel, Schedule 40 Type 304.....	45.31	15.05
			<i>For Work In Restricted Working Space, Add</i>	9.04	
40 05 23 43-0301	EA		2-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	70.32	22.29
			<i>For Work In Restricted Working Space, Add</i>	13.38	
40 05 23 43-0302	EA		3" Caps, Stainless Steel, Schedule 40 Type 304.....	94.24	29.32
			<i>For Work In Restricted Working Space, Add</i>	17.60	
40 05 23 43-0303	EA		4" Caps, Stainless Steel, Schedule 40 Type 304.....	140.06	37.18
			<i>For Work In Restricted Working Space, Add</i>	22.30	
40 05 23 43-0304			Additional Fittings (40 05 23 43-0232)		
40 05 23 43-0305	EA		1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	44.69	18.67
			<i>For Work In Restricted Working Space, Add</i>	11.21	
40 05 23 43-0306	EA		3/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	52.35	22.29
			<i>For Work In Restricted Working Space, Add</i>	13.38	
40 05 23 43-0307	EA		1" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	77.71	25.36
			<i>For Work In Restricted Working Space, Add</i>	15.22	
40 05 23 43-0308	EA		1-1/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	92.99	27.87
			<i>For Work In Restricted Working Space, Add</i>	16.72	
40 05 23 43-0309	EA		1-1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	92.99	27.87
			<i>For Work In Restricted Working Space, Add</i>	16.72	
40 05 23 43-0310	EA		2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	118.29	30.66
			<i>For Work In Restricted Working Space, Add</i>	18.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0311 Type 304, Schedule 10 Stainless Steel Pipe And Welded Butt Fittings <small>(40 05 23 43-0311)</small>		
40 05 23 43-0312 Pipe <small>(40 05 23 43-0311)</small>		
40 05 23 43-0313 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	11.22 1.41	2.34
40 05 23 43-0314 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	13.29 1.72	2.87
40 05 23 43-0315 LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	17.98 2.02	3.39
40 05 23 43-0316 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	21.87 2.52	4.22
40 05 23 43-0317 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	24.28 2.84	4.74
40 05 23 43-0318 LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	30.02 3.52	5.90
40 05 23 43-0319 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	36.14 4.02	6.73
40 05 23 43-0320 LF 3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	42.97 4.53	7.56
40 05 23 43-0321 LF 4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	54.43 5.36	8.97
40 05 23 43-0322 LF 6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	80.53 7.04	11.78
40 05 23 43-0323 LF 8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	128.96 12.48	19.42
40 05 23 43-0324 LF 10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	168.78 13.73	21.36
40 05 23 43-0325 LF 12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	204.19 15.26	23.75
40 05 23 43-0326 LF 14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	254.16 17.16	26.70
40 05 23 43-0327 LF 16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	278.53 19.61	30.51
40 05 23 43-0328 LF 18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	310.39 22.88	35.59
40 05 23 43-0329 LF 20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	438.87 27.46	42.71
40 05 23 43-0330 LF 24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	575.09 34.33	53.40
40 05 23 43-0331 90 Degree Elbows <small>(40 05 23 43-0311)</small>		
40 05 23 43-0332 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	67.43 17.83	29.71
40 05 23 43-0333 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	71.08 18.92	31.54
40 05 23 43-0334 EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	77.34 20.80	34.66
40 05 23 43-0335 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	87.26 22.68	37.80
40 05 23 43-0336 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	98.23 25.00	41.70
40 05 23 43-0337 EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	108.48 27.85	46.39
40 05 23 43-0338 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	140.88 35.62	59.42
40 05 23 43-0339 EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	166.92 41.70	69.59
40 05 23 43-0340 EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	218.68 49.97	83.41
40 05 23 43-0341 EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	357.01 62.42	104.26
40 05 23 43-0342 EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	666.70 98.07	152.56
40 05 23 43-0343 EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,066.25 130.76	203.40
40 05 23 43-0344 EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,642.74 196.14	305.10
40 05 23 43-0345 EA 14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,100.19 228.83	355.96
40 05 23 43-0346 EA 16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,613.65 261.02	406.81
40 05 23 43-0347 EA 18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,329.20 326.90	508.51
40 05 23 43-0348 EA 20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,492.84 457.66	711.91
40 05 23 43-0349 EA 24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,611.54 653.80	1,017.02
40 05 23 43-0350 45 Degree Elbows <small>(40 05 23 43-0311)</small>		
40 05 23 43-0351 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	70.71 17.83	29.71
40 05 23 43-0352 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	74.36 18.92	31.54

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 43-0353	EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	80.62	34.66
	<i>For Work In Restricted Working Space, Add</i>	20.80	
40 05 23 43-0354	EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	88.19	37.80
	<i>For Work In Restricted Working Space, Add</i>	22.67	
40 05 23 43-0355	EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	96.35	41.70
	<i>For Work In Restricted Working Space, Add</i>	25.03	
40 05 23 43-0356	EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	114.31	46.39
	<i>For Work In Restricted Working Space, Add</i>	27.85	
40 05 23 43-0357	EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	140.46	59.42
	<i>For Work In Restricted Working Space, Add</i>	35.64	
40 05 23 43-0358	EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	161.72	69.59
	<i>For Work In Restricted Working Space, Add</i>	41.75	
40 05 23 43-0359	EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	206.40	83.41
	<i>For Work In Restricted Working Space, Add</i>	50.01	
40 05 23 43-0360	EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	293.32	104.26
	<i>For Work In Restricted Working Space, Add</i>	62.55	
40 05 23 43-0361	EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	586.44	152.56
	<i>For Work In Restricted Working Space, Add</i>	98.07	
40 05 23 43-0362	EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	863.40	203.40
	<i>For Work In Restricted Working Space, Add</i>	130.76	
40 05 23 43-0363	EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	1,335.76	305.10
	<i>For Work In Restricted Working Space, Add</i>	196.14	
40 05 23 43-0364	EA 14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	1,666.88	355.96
	<i>For Work In Restricted Working Space, Add</i>	228.83	
40 05 23 43-0365	EA 16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	2,058.33	406.81
	<i>For Work In Restricted Working Space, Add</i>	261.02	
40 05 23 43-0366	EA 18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	2,823.91	508.51
	<i>For Work In Restricted Working Space, Add</i>	326.90	
40 05 23 43-0367	EA 20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	4,847.50	711.91
	<i>For Work In Restricted Working Space, Add</i>	457.66	
40 05 23 43-0368	EA 24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	6,549.17	1,017.02
	<i>For Work In Restricted Working Space, Add</i>	653.80	

40 05 23 43-0369 Tees (40 05 23 43-0311)

40 05 23 43-0370	EA 1/2" Tees, Stainless Steel Schedule 10 Type 304.....	102.38	37.80
	<i>For Work In Restricted Working Space, Add</i>	22.66	
40 05 23 43-0371	EA 3/4" Tees, Stainless Steel Schedule 10 Type 304.....	119.57	46.39
	<i>For Work In Restricted Working Space, Add</i>	27.82	
40 05 23 43-0372	EA 1" Tees, Stainless Steel Schedule 10 Type 304.....	131.02	52.13
	<i>For Work In Restricted Working Space, Add</i>	31.25	
40 05 23 43-0373	EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 304.....	148.39	59.42
	<i>For Work In Restricted Working Space, Add</i>	35.66	
40 05 23 43-0374	EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 304.....	158.00	63.86
	<i>For Work In Restricted Working Space, Add</i>	38.27	
40 05 23 43-0375	EA 2" Tees, Stainless Steel Schedule 10 Type 304.....	186.54	69.59
	<i>For Work In Restricted Working Space, Add</i>	41.73	
40 05 23 43-0376	EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 304.....	224.88	83.41
	<i>For Work In Restricted Working Space, Add</i>	50.01	
40 05 23 43-0377	EA 3" Tees, Stainless Steel Schedule 10 Type 304.....	291.13	104.26
	<i>For Work In Restricted Working Space, Add</i>	62.64	
40 05 23 43-0378	EA 4" Tees, Stainless Steel Schedule 10 Type 304.....	323.85	117.29
	<i>For Work In Restricted Working Space, Add</i>	70.31	
40 05 23 43-0379	EA 6" Tees, Stainless Steel Schedule 10 Type 304.....	561.57	156.39
	<i>For Work In Restricted Working Space, Add</i>	93.83	
40 05 23 43-0380	EA 8" Tee, Stainless Steel Schedule 10 Type 304.....	911.70	203.40
	<i>For Work In Restricted Working Space, Add</i>	130.76	
40 05 23 43-0381	EA 10" Tee, Stainless Steel Schedule 10 Type 304.....	1,337.28	305.10
	<i>For Work In Restricted Working Space, Add</i>	196.14	
40 05 23 43-0382	EA 12" Tee, Stainless Steel Schedule 10 Type 304.....	2,298.11	381.38
	<i>For Work In Restricted Working Space, Add</i>	245.18	
40 05 23 43-0383	EA 14" Tee, Stainless Steel Schedule 10 Type 304.....	2,922.41	457.66
	<i>For Work In Restricted Working Space, Add</i>	294.63	
40 05 23 43-0384	EA 16" Tee, Stainless Steel Schedule 10 Type 304.....	3,267.47	559.36
	<i>For Work In Restricted Working Space, Add</i>	359.42	
40 05 23 43-0385	EA 18" Tee, Stainless Steel Schedule 10 Type 304.....	3,993.64	711.91
	<i>For Work In Restricted Working Space, Add</i>	457.66	
40 05 23 43-0386	EA 20" Tee, Stainless Steel Schedule 10 Type 304.....	6,061.95	940.74
	<i>For Work In Restricted Working Space, Add</i>	602.18	
40 05 23 43-0387	EA 24" Tee, Stainless Steel Schedule 10 Type 304.....	9,294.67	1,423.83
	<i>For Work In Restricted Working Space, Add</i>	915.32	

40 05 23 43-0388 Reducers (40 05 23 43-0311)

40 05 23 43-0389	EA 3/4" Reducer, Stainless Steel Schedule 10 Type 304.....	77.79	28.68
	<i>For Work In Restricted Working Space, Add</i>	17.21	
40 05 23 43-0390	EA 1" Reducer, Stainless Steel Schedule 10 Type 304.....	86.12	31.27
	<i>For Work In Restricted Working Space, Add</i>	18.77	
40 05 23 43-0391	EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 304.....	106.12	34.66
	<i>For Work In Restricted Working Space, Add</i>	20.80	
40 05 23 43-0392	EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 304.....	91.28	37.80
	<i>For Work In Restricted Working Space, Add</i>	22.66	
40 05 23 43-0393	EA 2" Reducer, Stainless Steel Schedule 10 Type 304.....	100.49	41.70
	<i>For Work In Restricted Working Space, Add</i>	25.03	
40 05 23 43-0394	EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 304.....	130.11	52.13
	<i>For Work In Restricted Working Space, Add</i>	31.27	
40 05 23 43-0395	EA 3" Reducer, Stainless Steel Schedule 10 Type 304.....	144.32	59.42
	<i>For Work In Restricted Working Space, Add</i>	35.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0396 EA 4" Reducer, Stainless Steel Schedule 10 Type 304.....	167.96	69.59
For Work In Restricted Working Space, Add	41.72	
40 05 23 43-0397 EA 6" Reducer, Stainless Steel Schedule 10 Type 304.....	216.47	88.62
For Work In Restricted Working Space, Add	53.13	
40 05 23 43-0398 EA 8" Reducer, Stainless Steel Schedule 10 Type 304.....	442.03	122.04
For Work In Restricted Working Space, Add	78.46	
40 05 23 43-0399 EA 10" Reducer, Stainless Steel Schedule 10 Type 304.....	577.96	152.56
For Work In Restricted Working Space, Add	98.07	
40 05 23 43-0400 EA 12" Reducer, Stainless Steel Schedule 10 Type 304.....	768.26	203.40
For Work In Restricted Working Space, Add	130.76	
40 05 23 43-0401 EA 14" Reducer, Stainless Steel Schedule 10 Type 304.....	1,020.39	266.96
For Work In Restricted Working Space, Add	171.62	
40 05 23 43-0402 EA 16" Reducer, Stainless Steel Schedule 10 Type 304.....	1,211.29	305.10
For Work In Restricted Working Space, Add	195.75	
40 05 23 43-0403 EA 18" Reducer, Stainless Steel Schedule 10 Type 304.....	1,505.55	381.38
For Work In Restricted Working Space, Add	245.18	
40 05 23 43-0404 EA 20" Reducer, Stainless Steel Schedule 10 Type 304.....	2,281.39	508.51
For Work In Restricted Working Space, Add	326.90	
40 05 23 43-0405 EA 24" Reducer, Stainless Steel Schedule 10 Type 304.....	3,576.86	762.77
For Work In Restricted Working Space, Add	490.35	
40 05 23 43-0406 Caps (40 05 23 43-0311)		
40 05 23 43-0407 EA 1/2" Cap, Stainless Steel Schedule 10 Type 304.....	37.78	11.99
For Work In Restricted Working Space, Add	7.19	
40 05 23 43-0408 EA 3/4" Cap, Stainless Steel Schedule 10 Type 304.....	41.78	13.03
For Work In Restricted Working Space, Add	7.82	
40 05 23 43-0409 EA 1" Cap, Stainless Steel Schedule 10 Type 304.....	52.32	17.20
For Work In Restricted Working Space, Add	10.33	
40 05 23 43-0410 EA 1-1/4" Cap, Stainless Steel Schedule 10 Type 304.....	56.53	18.24
For Work In Restricted Working Space, Add	10.94	
40 05 23 43-0411 EA 1-1/2" Cap, Stainless Steel Schedule 10 Type 304.....	63.19	20.85
For Work In Restricted Working Space, Add	12.51	
40 05 23 43-0412 EA 2" Cap, Stainless Steel Schedule 10 Type 304.....	69.08	23.46
For Work In Restricted Working Space, Add	14.06	
40 05 23 43-0413 EA 2-1/2" Cap, Stainless Steel Schedule 10 Type 304.....	85.73	29.97
For Work In Restricted Working Space, Add	17.99	
40 05 23 43-0414 EA 3" Cap, Stainless Steel Schedule 10 Type 304.....	97.92	34.66
For Work In Restricted Working Space, Add	20.78	
40 05 23 43-0415 EA 4" Cap, Stainless Steel Schedule 10 Type 304.....	142.91	46.39
For Work In Restricted Working Space, Add	27.84	
40 05 23 43-0416 EA 6" Cap, Stainless Steel Schedule 10 Type 304.....	190.60	69.59
For Work In Restricted Working Space, Add	41.72	
40 05 23 43-0417 Reducing Tees (40 05 23 43-0311)		
40 05 23 43-0418 EA 3/4" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	102.33	37.80
For Work In Restricted Working Space, Add	18.93	
40 05 23 43-0419 EA 1" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	126.44	46.39
For Work In Restricted Working Space, Add	23.20	
40 05 23 43-0420 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	140.96	52.13
For Work In Restricted Working Space, Add	26.06	
40 05 23 43-0421 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	158.09	59.42
For Work In Restricted Working Space, Add	29.72	
40 05 23 43-0422 EA 2" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	175.74	63.86
For Work In Restricted Working Space, Add	31.93	
40 05 23 43-0423 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	255.04	69.59
For Work In Restricted Working Space, Add	34.79	
40 05 23 43-0424 EA 3" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	259.34	83.41
For Work In Restricted Working Space, Add	41.71	
40 05 23 43-0425 EA 4" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	321.10	104.26
For Work In Restricted Working Space, Add	52.13	
40 05 23 43-0426 EA 6" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	562.11	119.12
For Work In Restricted Working Space, Add	59.56	
40 05 23 43-0427 EA 8" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	967.71	152.56
For Work In Restricted Working Space, Add	81.73	
40 05 23 43-0428 EA 10" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	2,073.82	203.40
For Work In Restricted Working Space, Add	108.97	
40 05 23 43-0429 EA 12" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	2,708.63	305.10
For Work In Restricted Working Space, Add	163.45	
40 05 23 43-0430 EA 14" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	3,489.67	366.64
For Work In Restricted Working Space, Add	196.37	
40 05 23 43-0431 EA 16" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	3,822.19	447.23
For Work In Restricted Working Space, Add	239.53	
40 05 23 43-0432 EA 18" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	4,623.33	569.53
For Work In Restricted Working Space, Add	305.11	
40 05 23 43-0433 EA 20" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	6,142.91	749.40
For Work In Restricted Working Space, Add	401.46	
40 05 23 43-0434 EA 24" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	9,195.49	1,138.45
For Work In Restricted Working Space, Add	609.67	
40 05 23 43-0435 Type 304, Schedule 40 Stainless Steel Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-0436 Pipe (40 05 23 43-0435)		
40 05 23 43-0437 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting.....	12.82	2.34
For Work In Restricted Working Space, Add	1.41	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 43-0438	LF 3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting.....	15.56	2.87
	<i>For Work In Restricted Working Space, Add</i>	1.72	
40 05 23 43-0439	LF 1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	19.21	3.39
	<i>For Work In Restricted Working Space, Add</i>	2.02	
40 05 23 43-0440	LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	24.01	4.17
	<i>For Work In Restricted Working Space, Add</i>	2.52	
40 05 23 43-0441	LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	27.76	4.69
	<i>For Work In Restricted Working Space, Add</i>	2.84	
40 05 23 43-0442	LF 2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	35.74	6.00
	<i>For Work In Restricted Working Space, Add</i>	3.52	
40 05 23 43-0443	LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	44.88	6.78
	<i>For Work In Restricted Working Space, Add</i>	4.02	
40 05 23 43-0444	LF 3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	42.81	7.56
	<i>For Work In Restricted Working Space, Add</i>	4.53	
40 05 23 43-0445	LF 4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	73.91	8.86
	<i>For Work In Restricted Working Space, Add</i>	5.36	
40 05 23 43-0446	LF 6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	117.09	11.73
	<i>For Work In Restricted Working Space, Add</i>	7.04	
40 05 23 43-0447	LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	202.07	19.32
	<i>For Work In Restricted Working Space, Add</i>	12.48	
40 05 23 43-0448	LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	259.72	21.36
	<i>For Work In Restricted Working Space, Add</i>	13.73	
40 05 23 43-0449	LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	327.22	23.65
	<i>For Work In Restricted Working Space, Add</i>	15.26	

40 05 23 43-0450 90 Degree Elbows (40 05 23 43-0435)

40 05 23 43-0451	EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	71.02	29.71
	<i>For Work In Restricted Working Space, Add</i>	17.83	
40 05 23 43-0452	EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	74.67	31.54
	<i>For Work In Restricted Working Space, Add</i>	18.92	
40 05 23 43-0453	EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	82.49	34.66
	<i>For Work In Restricted Working Space, Add</i>	20.80	
40 05 23 43-0454	EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	95.28	37.80
	<i>For Work In Restricted Working Space, Add</i>	22.68	
40 05 23 43-0455	EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	99.76	41.70
	<i>For Work In Restricted Working Space, Add</i>	25.00	
40 05 23 43-0456	EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	114.73	46.39
	<i>For Work In Restricted Working Space, Add</i>	27.85	
40 05 23 43-0457	EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	164.33	59.42
	<i>For Work In Restricted Working Space, Add</i>	35.62	
40 05 23 43-0458	EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	200.89	69.59
	<i>For Work In Restricted Working Space, Add</i>	41.70	
40 05 23 43-0459	EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	275.99	83.41
	<i>For Work In Restricted Working Space, Add</i>	49.97	
40 05 23 43-0460	EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	572.89	104.26
	<i>For Work In Restricted Working Space, Add</i>	62.42	
40 05 23 43-0461	EA 8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	939.25	152.56
	<i>For Work In Restricted Working Space, Add</i>	98.07	
40 05 23 43-0462	EA 10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	1,732.23	203.40
	<i>For Work In Restricted Working Space, Add</i>	130.76	
40 05 23 43-0463	EA 12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	2,445.26	305.10
	<i>For Work In Restricted Working Space, Add</i>	196.14	

40 05 23 43-0464 45 Degree (40 05 23 43-0435)

40 05 23 43-0465	EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	75.84	29.71
	<i>For Work In Restricted Working Space, Add</i>	17.83	
40 05 23 43-0466	EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	79.49	31.54
	<i>For Work In Restricted Working Space, Add</i>	18.92	
40 05 23 43-0467	EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	85.75	34.66
	<i>For Work In Restricted Working Space, Add</i>	20.80	
40 05 23 43-0468	EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	91.98	37.80
	<i>For Work In Restricted Working Space, Add</i>	22.67	
40 05 23 43-0469	EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	105.33	41.70
	<i>For Work In Restricted Working Space, Add</i>	25.03	
40 05 23 43-0470	EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	115.84	46.39
	<i>For Work In Restricted Working Space, Add</i>	27.85	
40 05 23 43-0471	EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	162.46	59.42
	<i>For Work In Restricted Working Space, Add</i>	35.64	
40 05 23 43-0472	EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	182.82	69.59
	<i>For Work In Restricted Working Space, Add</i>	41.75	
40 05 23 43-0473	EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	243.57	83.41
	<i>For Work In Restricted Working Space, Add</i>	50.01	
40 05 23 43-0474	EA 6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	427.39	104.26
	<i>For Work In Restricted Working Space, Add</i>	62.55	
40 05 23 43-0475	EA 8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	730.79	152.56
	<i>For Work In Restricted Working Space, Add</i>	98.07	
40 05 23 43-0476	EA 10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	1,211.07	203.40
	<i>For Work In Restricted Working Space, Add</i>	130.76	
40 05 23 43-0477	EA 12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304.....	1,657.02	305.10
	<i>For Work In Restricted Working Space, Add</i>	196.14	

40 05 23 43-0478 Tees (40 05 23 43-0435)

40 05 23 43-0479	EA 1/2" Tees, Stainless Steel Schedule 40 Type 304.....	113.97	37.80
	<i>For Work In Restricted Working Space, Add</i>	22.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0480 EA 3/4" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	131.16 27.82	46.39
40 05 23 43-0481 EA 1" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	142.61 31.25	52.13
40 05 23 43-0482 EA 1-1/4" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	180.74 35.66	59.42
40 05 23 43-0483 EA 1-1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	166.01 38.27	63.86
40 05 23 43-0484 EA 2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	179.49 41.73	69.59
40 05 23 43-0485 EA 2-1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	276.14 50.01	83.41
40 05 23 43-0486 EA 3" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	296.08 62.64	104.26
40 05 23 43-0487 EA 4" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	352.91 70.31	117.29
40 05 23 43-0488 EA 6" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	668.44 93.83	156.39
40 05 23 43-0489 EA 8" Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,393.48 130.76	203.40
40 05 23 43-0490 EA 10" Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,477.83 196.14	305.10
40 05 23 43-0491 EA 12" Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,097.29 245.18	381.38
40 05 23 43-0492 Reducers <small>(40 05 23 43-0435)</small>		
40 05 23 43-0493 EA 3/4" Reducer, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	80.23 17.21	28.68
40 05 23 43-0494 EA 1" Reducer, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	88.93 18.76	31.27
40 05 23 43-0495 EA 1-1/4" Reducer, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	110.53 20.80	34.66
40 05 23 43-0496 EA 1-1/2" Reducer, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	93.19 22.67	37.80
40 05 23 43-0497 EA 2" Reducer, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	102.55 25.03	41.70
40 05 23 43-0498 EA 2-1/2" Reducer, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	133.23 31.28	52.13
40 05 23 43-0499 EA 3" Reducer, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	147.37 35.61	59.42
40 05 23 43-0500 EA 4" Reducer, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	171.43 41.72	69.59
40 05 23 43-0501 EA 6" Reducer, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	221.18 53.12	88.62
40 05 23 43-0502 EA 8" Reducer, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	463.69 78.46	122.04
40 05 23 43-0503 EA 10" Reducer, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	608.09 98.07	152.56
40 05 23 43-0504 EA 12" Reducer, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	808.15 130.76	203.40
40 05 23 43-0505 Caps <small>(40 05 23 43-0435)</small>		
40 05 23 43-0506 EA 1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	39.43 7.19	11.99
40 05 23 43-0507 EA 3/4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	43.67 7.82	13.03
40 05 23 43-0508 EA 1" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	54.47 10.33	17.20
40 05 23 43-0509 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	58.93 10.94	18.24
40 05 23 43-0510 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	65.77 12.51	20.85
40 05 23 43-0511 EA 2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	71.74 14.06	23.46
40 05 23 43-0512 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	88.82 17.99	29.97
40 05 23 43-0513 EA 3" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	101.36 20.78	34.66
40 05 23 43-0514 EA 4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	148.93 27.84	46.39
40 05 23 43-0515 EA 6" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	196.79 41.72	69.59
40 05 23 43-0516 Reducing Tees <small>(40 05 23 43-0435)</small>		
40 05 23 43-0517 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	119.52 23.17	46.39
40 05 23 43-0518 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	129.10 26.05	52.13
40 05 23 43-0519 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	167.08 29.70	59.42
40 05 23 43-0520 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	148.55 31.88	63.86
40 05 23 43-0521 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	160.33 34.77	69.59

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0522	EA		2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304.....	259.27	83.41
			<i>For Work In Restricted Working Space, Add</i>	41.66	
40 05 23 43-0523	EA		3" Reducing Tees, Stainless Steel Schedule 40 Type 304.....	270.06	104.26
			<i>For Work In Restricted Working Space, Add</i>	52.21	
40 05 23 43-0524	EA		4" Reducing Tees, Stainless Steel Schedule 40 Type 304.....	325.74	117.29
			<i>For Work In Restricted Working Space, Add</i>	58.60	
40 05 23 43-0525	EA		6" Reducing Tees, Stainless Steel Schedule 40 Type 304.....	651.69	156.39
			<i>For Work In Restricted Working Space, Add</i>	78.13	
40 05 23 43-0526	EA		8" Reducing Tee, Stainless Steel Schedule 40 Type 304.....	1,416.60	203.40
			<i>For Work In Restricted Working Space, Add</i>	108.97	
40 05 23 43-0527	EA		10" Reducing Tee, Stainless Steel Schedule 40 Type 304.....	2,551.28	305.10
			<i>For Work In Restricted Working Space, Add</i>	163.45	
40 05 23 43-0528	EA		12" Reducing Tee, Stainless Steel Schedule 40 Type 304.....	3,189.08	381.38
			<i>For Work In Restricted Working Space, Add</i>	204.31	
40 05 23 43-0529			Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings		
			<small>(40 05 23 43-0231)</small>		
40 05 23 43-0530			Pipe <small>(40 05 23 43-0529)</small>		
40 05 23 43-0531	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting.....	12.49	2.39
			<i>For Work In Restricted Working Space, Add</i>	1.43	
40 05 23 43-0532	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting.....	14.68	3.01
			<i>For Work In Restricted Working Space, Add</i>	1.80	
40 05 23 43-0533	LF		1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting.....	18.67	3.63
			<i>For Work In Restricted Working Space, Add</i>	2.16	
40 05 23 43-0534	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting.....	22.95	4.18
			<i>For Work In Restricted Working Space, Add</i>	2.51	
40 05 23 43-0535	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting.....	26.77	4.74
			<i>For Work In Restricted Working Space, Add</i>	2.86	
40 05 23 43-0536	LF		2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting.....	34.63	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.59	
40 05 23 43-0537	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting.....	48.10	7.13
			<i>For Work In Restricted Working Space, Add</i>	4.29	
40 05 23 43-0538	LF		3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting.....	63.03	8.97
			<i>For Work In Restricted Working Space, Add</i>	5.39	
40 05 23 43-0539	LF		4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting.....	84.73	11.87
			<i>For Work In Restricted Working Space, Add</i>	7.12	
40 05 23 43-0540			90 Degree Elbows <small>(40 05 23 43-0529)</small>		
40 05 23 43-0541	EA		1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	26.00	8.97
			<i>For Work In Restricted Working Space, Add</i>	5.39	
40 05 23 43-0542	EA		3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	33.81	11.87
			<i>For Work In Restricted Working Space, Add</i>	7.12	
40 05 23 43-0543	EA		1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	41.98	15.05
			<i>For Work In Restricted Working Space, Add</i>	9.04	
40 05 23 43-0544	EA		1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	60.84	20.62
			<i>For Work In Restricted Working Space, Add</i>	12.39	
40 05 23 43-0545	EA		1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	69.11	24.25
			<i>For Work In Restricted Working Space, Add</i>	14.54	
40 05 23 43-0546	EA		2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	90.71	29.32
			<i>For Work In Restricted Working Space, Add</i>	17.60	
40 05 23 43-0547	EA		2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	170.70	46.43
			<i>For Work In Restricted Working Space, Add</i>	27.87	
40 05 23 43-0548	EA		3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	223.28	59.92
			<i>For Work In Restricted Working Space, Add</i>	35.95	
40 05 23 43-0549	EA		4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	345.32	74.30
			<i>For Work In Restricted Working Space, Add</i>	44.57	
40 05 23 43-0550			45 Degree Elbows <small>(40 05 23 43-0529)</small>		
40 05 23 43-0551	EA		1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	28.82	8.97
			<i>For Work In Restricted Working Space, Add</i>	5.39	
40 05 23 43-0552	EA		3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	37.09	11.87
			<i>For Work In Restricted Working Space, Add</i>	7.12	
40 05 23 43-0553	EA		1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	43.63	15.05
			<i>For Work In Restricted Working Space, Add</i>	9.04	
40 05 23 43-0554	EA		1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	59.17	20.62
			<i>For Work In Restricted Working Space, Add</i>	12.39	
40 05 23 43-0555	EA		1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	69.95	24.25
			<i>For Work In Restricted Working Space, Add</i>	14.54	
40 05 23 43-0556	EA		2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	90.00	29.32
			<i>For Work In Restricted Working Space, Add</i>	17.60	
40 05 23 43-0557	EA		2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	195.15	46.43
			<i>For Work In Restricted Working Space, Add</i>	27.87	
40 05 23 43-0558	EA		3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	270.12	59.92
			<i>For Work In Restricted Working Space, Add</i>	35.96	
40 05 23 43-0559	EA		4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	420.07	74.30
			<i>For Work In Restricted Working Space, Add</i>	44.60	
40 05 23 43-0560			Tees <small>(40 05 23 43-0529)</small>		
40 05 23 43-0561	EA		1/2" Tee, Stainless Steel Schedule 40 Type 316.....	38.54	13.60
			<i>For Work In Restricted Working Space, Add</i>	8.16	
40 05 23 43-0562	EA		3/4" Tee, Stainless Steel Schedule 40 Type 316.....	49.97	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0563 EA 1" Tee, Stainless Steel Schedule 40 Type 316.....	59.36	22.29
For Work In Restricted Working Space, Add	13.38	
40 05 23 43-0564 EA 1-1/4" Tee, Stainless Steel Schedule 40 Type 316.....	88.19	30.99
For Work In Restricted Working Space, Add	18.58	
40 05 23 43-0565 EA 1-1/2" Tee, Stainless Steel Schedule 40 Type 316.....	100.37	34.84
For Work In Restricted Working Space, Add	20.90	
40 05 23 43-0566 EA 2" Tee, Stainless Steel Schedule 40 Type 316.....	134.58	46.43
For Work In Restricted Working Space, Add	27.87	
40 05 23 43-0567 EA 2-1/2" Tee, Stainless Steel Schedule 40 Type 316.....	256.41	67.17
For Work In Restricted Working Space, Add	40.30	
40 05 23 43-0568 EA 3" Tee, Stainless Steel Schedule 40 Type 316.....	367.80	89.91
For Work In Restricted Working Space, Add	53.94	
40 05 23 43-0569 EA 4" Tee, Stainless Steel Schedule 40 Type 316.....	527.23	111.48
For Work In Restricted Working Space, Add	66.89	
40 05 23 43-0570 Reducers (40 05 23 43-0529)		
40 05 23 43-0571 EA 3/4" x 1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	31.18	11.87
For Work In Restricted Working Space, Add	7.12	
40 05 23 43-0572 EA 1" x 3/4" Reducer, Stainless Steel Schedule 40 Type 316.....	42.24	15.05
For Work In Restricted Working Space, Add	9.04	
40 05 23 43-0573 EA 1-1/4" x 1" Reducer, Stainless Steel Schedule 40 Type 316.....	59.68	20.62
For Work In Restricted Working Space, Add	12.39	
40 05 23 43-0574 EA 1-1/2" x 1-1/4" Reducer, Stainless Steel Schedule 40 Type 316.....	71.94	24.25
For Work In Restricted Working Space, Add	14.54	
40 05 23 43-0575 EA 2" x 1-1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	92.24	29.32
For Work In Restricted Working Space, Add	17.60	
40 05 23 43-0576 EA 2-1/2" x 2" Reducer, Stainless Steel Schedule 40 Type 316.....	172.10	46.43
For Work In Restricted Working Space, Add	27.87	
40 05 23 43-0577 EA 3" x 2-1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	227.84	59.92
For Work In Restricted Working Space, Add	35.96	
40 05 23 43-0578 EA 4" x 3" Reducer, Stainless Steel Schedule 40 Type 316.....	316.91	74.30
For Work In Restricted Working Space, Add	44.60	
40 05 23 43-0579 Unions (40 05 23 43-0529)		
40 05 23 43-0580 EA 1/2" Union, Stainless Steel Schedule 40 Type 316.....	43.19	13.60
For Work In Restricted Working Space, Add	8.16	
40 05 23 43-0581 EA 3/4" Union, Stainless Steel Schedule 40 Type 316.....	56.35	18.01
For Work In Restricted Working Space, Add	10.79	
40 05 23 43-0582 EA 1" Union, Stainless Steel Schedule 40 Type 316.....	77.15	22.29
For Work In Restricted Working Space, Add	13.38	
40 05 23 43-0583 EA 1-1/4" Union, Stainless Steel Schedule 40 Type 316.....	120.11	30.99
For Work In Restricted Working Space, Add	18.58	
40 05 23 43-0584 EA 1-1/2" Union, Stainless Steel Schedule 40 Type 316.....	139.42	34.84
For Work In Restricted Working Space, Add	20.90	
40 05 23 43-0585 EA 2" Union, Stainless Steel Schedule 40 Type 316.....	185.05	46.43
For Work In Restricted Working Space, Add	27.87	
40 05 23 43-0586 Threaded Flanges (40 05 23 43-0529)		
40 05 23 43-0587 EA 2-1/2" Threaded Flange, Stainless Steel Schedule 40 Type 316.....	171.42	46.43
For Work In Restricted Working Space, Add	27.87	
40 05 23 43-0588 EA 3" Threaded Flange, Stainless Steel Schedule 40 Type 316.....	207.13	59.92
For Work In Restricted Working Space, Add	35.96	
40 05 23 43-0589 EA 4" Threaded Flange, Stainless Steel Schedule 40 Type 316.....	273.16	74.30
For Work In Restricted Working Space, Add	44.60	
40 05 23 43-0590 Caps (40 05 23 43-0529)		
40 05 23 43-0591 EA 1/2" Cap, Stainless Steel Schedule 40 Type 316.....	11.89	4.52
For Work In Restricted Working Space, Add	2.70	
40 05 23 43-0592 EA 3/4" Cap, Stainless Steel Schedule 40 Type 316.....	16.21	6.02
For Work In Restricted Working Space, Add	3.59	
40 05 23 43-0593 EA 1" Cap, Stainless Steel Schedule 40 Type 316.....	21.06	7.42
For Work In Restricted Working Space, Add	4.46	
40 05 23 43-0594 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 316.....	37.27	10.54
For Work In Restricted Working Space, Add	6.31	
40 05 23 43-0595 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 316.....	42.48	11.87
For Work In Restricted Working Space, Add	7.12	
40 05 23 43-0596 EA 2" Cap, Stainless Steel Schedule 40 Type 316.....	53.90	15.05
For Work In Restricted Working Space, Add	9.04	
40 05 23 43-0597 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 316.....	82.88	22.29
For Work In Restricted Working Space, Add	13.38	
40 05 23 43-0598 EA 3" Cap, Stainless Steel Schedule 40 Type 316.....	111.57	29.32
For Work In Restricted Working Space, Add	17.60	
40 05 23 43-0599 EA 4" Cap, Stainless Steel Schedule 40 Type 316.....	172.11	37.18
For Work In Restricted Working Space, Add	22.30	
40 05 23 43-0600 Type 316, Schedule 10 Stainless Steel Pipe And Welded Butt Fittings (40 05 23 43-0631)		
40 05 23 43-0601 Pipe (40 05 23 43-0600)		
40 05 23 43-0602 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	13.26	2.34
For Work In Restricted Working Space, Add	1.41	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 43-0603	LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	15.64	2.87
	<i>For Work In Restricted Working Space, Add</i>	1.72	
40 05 23 43-0604	LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	21.50	3.39
	<i>For Work In Restricted Working Space, Add</i>	2.02	
40 05 23 43-0605	LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	26.08	4.22
	<i>For Work In Restricted Working Space, Add</i>	2.52	
40 05 23 43-0606	LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	28.90	4.74
	<i>For Work In Restricted Working Space, Add</i>	2.84	
40 05 23 43-0607	LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	35.72	5.90
	<i>For Work In Restricted Working Space, Add</i>	3.52	
40 05 23 43-0608	LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	43.24	6.73
	<i>For Work In Restricted Working Space, Add</i>	4.02	
40 05 23 43-0609	LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	51.67	7.56
	<i>For Work In Restricted Working Space, Add</i>	4.53	
40 05 23 43-0610	LF 4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	65.85	8.97
	<i>For Work In Restricted Working Space, Add</i>	5.36	
40 05 23 43-0611	LF 6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	98.35	11.78
	<i>For Work In Restricted Working Space, Add</i>	7.04	
40 05 23 43-0612	LF 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	156.25	19.42
	<i>For Work In Restricted Working Space, Add</i>	12.48	
40 05 23 43-0613	LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	207.20	21.36
	<i>For Work In Restricted Working Space, Add</i>	13.73	
40 05 23 43-0614	LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	252.08	23.75
	<i>For Work In Restricted Working Space, Add</i>	15.26	
40 05 23 43-0615	LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	315.67	26.70
	<i>For Work In Restricted Working Space, Add</i>	17.16	
40 05 23 43-0616	LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	345.10	30.51
	<i>For Work In Restricted Working Space, Add</i>	19.61	
40 05 23 43-0617	LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	383.51	35.59
	<i>For Work In Restricted Working Space, Add</i>	22.88	
40 05 23 43-0618	LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	547.35	42.71
	<i>For Work In Restricted Working Space, Add</i>	27.46	
40 05 23 43-0619	LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	718.96	53.40
	<i>For Work In Restricted Working Space, Add</i>	34.33	
40 05 23 43-0620	90 Degree Elbows <small>(40 05 23 43-0600)</small>		
40 05 23 43-0621	EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	70.01	29.71
	<i>For Work In Restricted Working Space, Add</i>	17.83	
40 05 23 43-0622	EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	73.66	31.54
	<i>For Work In Restricted Working Space, Add</i>	18.92	
40 05 23 43-0623	EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	79.92	34.66
	<i>For Work In Restricted Working Space, Add</i>	20.80	
40 05 23 43-0624	EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316.....	91.02	37.80
	<i>For Work In Restricted Working Space, Add</i>	22.68	
40 05 23 43-0625	EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316.....	103.04	41.70
	<i>For Work In Restricted Working Space, Add</i>	25.00	
40 05 23 43-0626	EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	113.53	46.39
	<i>For Work In Restricted Working Space, Add</i>	27.85	
40 05 23 43-0627	EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316.....	148.04	59.42
	<i>For Work In Restricted Working Space, Add</i>	35.62	
40 05 23 43-0628	EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	175.94	69.59
	<i>For Work In Restricted Working Space, Add</i>	41.70	
40 05 23 43-0629	EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	235.51	83.41
	<i>For Work In Restricted Working Space, Add</i>	49.97	
40 05 23 43-0630	EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	405.10	104.26
	<i>For Work In Restricted Working Space, Add</i>	62.42	
40 05 23 43-0631	EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	776.42	152.56
	<i>For Work In Restricted Working Space, Add</i>	98.07	
40 05 23 43-0632	EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	1,269.79	203.40
	<i>For Work In Restricted Working Space, Add</i>	130.76	
40 05 23 43-0633	EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	1,962.05	305.10
	<i>For Work In Restricted Working Space, Add</i>	196.14	
40 05 23 43-0634	EA 14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	2,532.01	355.96
	<i>For Work In Restricted Working Space, Add</i>	228.83	
40 05 23 43-0635	EA 16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	3,176.61	406.81
	<i>For Work In Restricted Working Space, Add</i>	261.02	
40 05 23 43-0636	EA 18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	4,052.29	508.51
	<i>For Work In Restricted Working Space, Add</i>	326.90	
40 05 23 43-0637	EA 20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	6,773.79	711.91
	<i>For Work In Restricted Working Space, Add</i>	457.66	
40 05 23 43-0638	EA 24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	9,365.47	1,017.02
	<i>For Work In Restricted Working Space, Add</i>	653.80	
40 05 23 43-0639	45 Degree Elbows <small>(40 05 23 43-0600)</small>		
40 05 23 43-0640	EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	74.35	29.71
	<i>For Work In Restricted Working Space, Add</i>	17.83	
40 05 23 43-0641	EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	78.00	31.54
	<i>For Work In Restricted Working Space, Add</i>	18.92	
40 05 23 43-0642	EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	84.26	34.66
	<i>For Work In Restricted Working Space, Add</i>	20.80	
40 05 23 43-0643	EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316.....	92.27	37.80
	<i>For Work In Restricted Working Space, Add</i>	22.67	
40 05 23 43-0644	EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316.....	100.52	41.70
	<i>For Work In Restricted Working Space, Add</i>	25.03	
40 05 23 43-0645	EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	121.25	46.39
	<i>For Work In Restricted Working Space, Add</i>	27.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0646 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316 <i>For Work In Restricted Working Space, Add</i>	147.45 35.64	59.42
40 05 23 43-0647 EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	169.01 41.75	69.59
40 05 23 43-0648 EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	219.21 50.01	83.41
40 05 23 43-0649 EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	320.70 62.55	104.26
40 05 23 43-0650 EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	670.24 98.07	152.56
40 05 23 43-0651 EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,001.44 130.76	203.40
40 05 23 43-0652 EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,555.95 196.14	305.10
40 05 23 43-0653 EA 14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,958.80 228.83	355.96
40 05 23 43-0654 EA 16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,441.99 261.02	406.81
40 05 23 43-0655 EA 18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,383.86 326.90	508.51
40 05 23 43-0656 EA 20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,920.08 457.66	711.91
40 05 23 43-0657 EA 24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	7,960.09 653.80	1,017.02
40 05 23 43-0658 Tees <small>(40 05 23 43-0600)</small>		
40 05 23 43-0659 EA 1/2" Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	111.05 22.66	37.80
40 05 23 43-0660 EA 3/4" Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	128.24 27.82	46.39
40 05 23 43-0661 EA 1" Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	139.69 31.25	52.13
40 05 23 43-0662 EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	157.92 35.66	59.42
40 05 23 43-0663 EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	167.83 38.27	63.86
40 05 23 43-0664 EA 2" Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	201.85 41.73	69.59
40 05 23 43-0665 EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	243.66 50.01	83.41
40 05 23 43-0666 EA 3" Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	317.72 62.64	104.26
40 05 23 43-0667 EA 4" Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	352.75 70.31	117.29
40 05 23 43-0668 EA 6" Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	641.91 93.83	156.39
40 05 23 43-0669 EA 8" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,065.34 130.76	203.40
40 05 23 43-0670 EA 10" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,557.95 196.14	305.10
40 05 23 43-0671 EA 12" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,776.25 245.18	381.38
40 05 23 43-0672 EA 14" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,548.89 294.63	457.66
40 05 23 43-0673 EA 16" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,935.63 359.42	559.36
40 05 23 43-0674 EA 18" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,790.52 457.66	711.91
40 05 23 43-0675 EA 20" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	7,371.10 602.18	940.74
40 05 23 43-0676 EA 24" Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	11,310.58 915.32	1,423.83
40 05 23 43-0677 Reducers <small>(40 05 23 43-0600)</small>		
40 05 23 43-0678 EA 3/4" Reducer, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	84.37 17.21	28.68
40 05 23 43-0679 EA 1" Reducer, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	93.73 18.77	31.27
40 05 23 43-0680 EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	117.99 20.80	34.66
40 05 23 43-0681 EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	96.37 22.66	37.80
40 05 23 43-0682 EA 2" Reducer, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	106.00 25.03	41.70
40 05 23 43-0683 EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	138.46 31.27	52.13
40 05 23 43-0684 EA 3" Reducer, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	152.58 35.62	59.42
40 05 23 43-0685 EA 4" Reducer, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	177.28 41.72	69.59
40 05 23 43-0686 EA 6" Reducer, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	229.19 53.13	88.62
40 05 23 43-0687 EA 8" Reducer, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	500.32 78.46	122.04
40 05 23 43-0688 EA 10" Reducer, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	659.02 98.07	152.56

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0689	EA		12" Reducer, Stainless Steel Schedule 10 Type 316.....	875.58	203.40
			<i>For Work In Restricted Working Space, Add</i>	130.76	
40 05 23 43-0690	EA		14" Reducer, Stainless Steel Schedule 10 Type 316.....	1,165.14	266.96
			<i>For Work In Restricted Working Space, Add</i>	171.62	
40 05 23 43-0691	EA		16" Reducer, Stainless Steel Schedule 10 Type 316.....	1,391.71	305.10
			<i>For Work In Restricted Working Space, Add</i>	195.75	
40 05 23 43-0692	EA		18" Reducer, Stainless Steel Schedule 10 Type 316.....	1,727.79	381.38
			<i>For Work In Restricted Working Space, Add</i>	245.18	
40 05 23 43-0693	EA		20" Reducer, Stainless Steel Schedule 10 Type 316.....	2,666.17	508.51
			<i>For Work In Restricted Working Space, Add</i>	326.90	
40 05 23 43-0694	EA		24" Reducer, Stainless Steel Schedule 10 Type 316.....	4,204.00	762.77
			<i>For Work In Restricted Working Space, Add</i>	490.35	
40 05 23 43-0695			Caps <small>(40 05 23 43-0600)</small>		
40 05 23 43-0696	EA		1/2" Cap, Stainless Steel Schedule 10 Type 316.....	41.50	11.99
			<i>For Work In Restricted Working Space, Add</i>	7.19	
40 05 23 43-0697	EA		3/4" Cap, Stainless Steel Schedule 10 Type 316.....	46.02	13.03
			<i>For Work In Restricted Working Space, Add</i>	7.82	
40 05 23 43-0698	EA		1" Cap, Stainless Steel Schedule 10 Type 316.....	57.15	17.20
			<i>For Work In Restricted Working Space, Add</i>	10.33	
40 05 23 43-0699	EA		1-1/4" Cap, Stainless Steel Schedule 10 Type 316.....	61.94	18.24
			<i>For Work In Restricted Working Space, Add</i>	10.94	
40 05 23 43-0700	EA		1-1/2" Cap, Stainless Steel Schedule 10 Type 316.....	68.99	20.85
			<i>For Work In Restricted Working Space, Add</i>	12.51	
40 05 23 43-0701	EA		2" Cap, Stainless Steel Schedule 10 Type 316.....	75.07	23.46
			<i>For Work In Restricted Working Space, Add</i>	14.06	
40 05 23 43-0702	EA		2-1/2" Cap, Stainless Steel Schedule 10 Type 316.....	92.69	29.97
			<i>For Work In Restricted Working Space, Add</i>	17.99	
40 05 23 43-0703	EA		3" Cap, Stainless Steel Schedule 10 Type 316.....	105.65	34.66
			<i>For Work In Restricted Working Space, Add</i>	20.78	
40 05 23 43-0704	EA		4" Cap, Stainless Steel Schedule 10 Type 316.....	156.44	46.39
			<i>For Work In Restricted Working Space, Add</i>	27.84	
40 05 23 43-0705	EA		6" Cap, Stainless Steel Schedule 10 Type 316.....	204.52	69.59
			<i>For Work In Restricted Working Space, Add</i>	41.72	
40 05 23 43-0706			Reducing Tees <small>(40 05 23 43-0600)</small>		
40 05 23 43-0707	EA		3/4" Reducing Tees, Stainless Steel Schedule 10 Type 316.....	115.00	37.80
			<i>For Work In Restricted Working Space, Add</i>	18.93	
40 05 23 43-0708	EA		1" Reducing Tees, Stainless Steel Schedule 10 Type 316.....	142.30	46.39
			<i>For Work In Restricted Working Space, Add</i>	23.20	
40 05 23 43-0709	EA		1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 316.....	158.42	52.13
			<i>For Work In Restricted Working Space, Add</i>	26.06	
40 05 23 43-0710	EA		1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316.....	177.16	59.42
			<i>For Work In Restricted Working Space, Add</i>	29.72	
40 05 23 43-0711	EA		2" Reducing Tees, Stainless Steel Schedule 10 Type 316.....	198.11	63.86
			<i>For Work In Restricted Working Space, Add</i>	31.93	
40 05 23 43-0712	EA		2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316.....	299.93	69.59
			<i>For Work In Restricted Working Space, Add</i>	34.79	
40 05 23 43-0713	EA		3" Reducing Tees, Stainless Steel Schedule 10 Type 316.....	298.19	83.41
			<i>For Work In Restricted Working Space, Add</i>	41.71	
40 05 23 43-0714	EA		4" Reducing Tees, Stainless Steel Schedule 10 Type 316.....	368.67	104.26
			<i>For Work In Restricted Working Space, Add</i>	52.13	
40 05 23 43-0715	EA		6" Reducing Tees, Stainless Steel Schedule 10 Type 316.....	679.50	119.12
			<i>For Work In Restricted Working Space, Add</i>	59.56	
40 05 23 43-0716	EA		8" Reducing Tee, Stainless Steel Schedule 10 Type 316.....	1,192.20	152.56
			<i>For Work In Restricted Working Space, Add</i>	81.73	
40 05 23 43-0717	EA		10" Reducing Tee, Stainless Steel Schedule 10 Type 316.....	2,626.14	203.40
			<i>For Work In Restricted Working Space, Add</i>	108.97	
40 05 23 43-0718	EA		12" Reducing Tee, Stainless Steel Schedule 10 Type 316.....	3,407.27	305.10
			<i>For Work In Restricted Working Space, Add</i>	163.45	
40 05 23 43-0719	EA		14" Reducing Tee, Stainless Steel Schedule 10 Type 316.....	4,405.06	366.64
			<i>For Work In Restricted Working Space, Add</i>	196.37	
40 05 23 43-0720	EA		16" Reducing Tee, Stainless Steel Schedule 10 Type 316.....	4,798.48	447.23
			<i>For Work In Restricted Working Space, Add</i>	239.53	
40 05 23 43-0721	EA		18" Reducing Tee, Stainless Steel Schedule 10 Type 316.....	5,787.72	569.53
			<i>For Work In Restricted Working Space, Add</i>	305.11	
40 05 23 43-0722	EA		20" Reducing Tee, Stainless Steel Schedule 10 Type 316.....	7,694.23	749.40
			<i>For Work In Restricted Working Space, Add</i>	401.46	
40 05 23 43-0723	EA		24" Reducing Tee, Stainless Steel Schedule 10 Type 316.....	11,508.33	1,138.45
			<i>For Work In Restricted Working Space, Add</i>	609.67	
40 05 23 43-0724			Type 316, Schedule 40 Stainless Steel Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0725			Pipe <small>(40 05 23 43-0724)</small>		
40 05 23 43-0726	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting.....	15.55	2.34
			<i>For Work In Restricted Working Space, Add</i>	1.41	
40 05 23 43-0727	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting.....	18.85	2.87
			<i>For Work In Restricted Working Space, Add</i>	1.72	
40 05 23 43-0728	LF		1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting.....	23.39	3.39
			<i>For Work In Restricted Working Space, Add</i>	2.02	
40 05 23 43-0729	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting.....	29.23	4.17
			<i>For Work In Restricted Working Space, Add</i>	2.52	
40 05 23 43-0730	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting.....	33.87	4.69
			<i>For Work In Restricted Working Space, Add</i>	2.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0731	LF		2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	43.77 3.52	6.00
40 05 23 43-0732	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	55.41 4.02	6.78
40 05 23 43-0733	LF		3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	52.08 4.53	7.56
40 05 23 43-0734	LF		4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	92.65 5.36	8.86
40 05 23 43-0735	LF		6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	148.40 7.04	11.73
40 05 23 43-0736	LF		8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	255.75 12.48	19.32
40 05 23 43-0737	LF		10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	331.29 13.73	21.36
40 05 23 43-0738	LF		12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	419.67 15.26	23.65
40 05 23 43-0739 90 Degree Elbows (40 05 23 43-0724)					
40 05 23 43-0740	EA		1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	74.76 17.83	29.71
40 05 23 43-0741	EA		3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	78.41 18.92	31.54
40 05 23 43-0742	EA		1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	86.74 20.80	34.66
40 05 23 43-0743	EA		1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	101.64 22.68	37.80
40 05 23 43-0744	EA		1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	105.06 25.00	41.70
40 05 23 43-0745	EA		2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	121.80 27.85	46.39
40 05 23 43-0746	EA		2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	179.05 35.62	59.42
40 05 23 43-0747	EA		3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	220.87 41.70	69.59
40 05 23 43-0748	EA		4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	311.33 49.97	83.41
40 05 23 43-0749	EA		6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	690.67 62.42	104.26
40 05 23 43-0750	EA		8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,136.97 98.07	152.56
40 05 23 43-0751	EA		10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,150.79 130.76	203.40
40 05 23 43-0752	EA		12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,023.68 196.14	305.10
40 05 23 43-0753 45 Degree Elbows (40 05 23 43-0724)					
40 05 23 43-0754	EA		1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	81.14 17.83	29.71
40 05 23 43-0755	EA		3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	84.79 18.92	31.54
40 05 23 43-0756	EA		1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	91.05 20.80	34.66
40 05 23 43-0757	EA		1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	97.28 22.67	37.80
40 05 23 43-0758	EA		1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	112.40 25.03	41.70
40 05 23 43-0759	EA		2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	123.26 27.85	46.39
40 05 23 43-0760	EA		2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	176.55 35.64	59.42
40 05 23 43-0761	EA		3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	196.91 41.75	69.59
40 05 23 43-0762	EA		4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	268.39 50.01	83.41
40 05 23 43-0763	EA		6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	498.07 62.55	104.26
40 05 23 43-0764	EA		8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	861.20 98.07	152.56
40 05 23 43-0765	EA		10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,461.37 130.76	203.40
40 05 23 43-0766	EA		12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,980.93 196.14	305.10
40 05 23 43-0767 Tees (40 05 23 43-0724)					
40 05 23 43-0768	EA		1/2" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	126.37 22.66	37.80
40 05 23 43-0769	EA		3/4" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	143.56 27.82	46.39
40 05 23 43-0770	EA		1" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	155.01 31.25	52.13
40 05 23 43-0771	EA		1-1/4" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	200.72 35.66	59.42
40 05 23 43-0772	EA		1-1/2" Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	178.41 38.27	63.86

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 43-0773	EA 2" Tees, Stainless Steel Schedule 40 Type 316	192.53	69.59
	<i>For Work In Restricted Working Space, Add</i>	41.73	
40 05 23 43-0774	EA 2-1/2" Tees, Stainless Steel Schedule 40 Type 316	311.48	83.41
	<i>For Work In Restricted Working Space, Add</i>	50.01	
40 05 23 43-0775	EA 3" Tees, Stainless Steel Schedule 40 Type 316	324.27	104.26
	<i>For Work In Restricted Working Space, Add</i>	62.64	
40 05 23 43-0776	EA 4" Tees, Stainless Steel Schedule 40 Type 316	391.19	117.29
	<i>For Work In Restricted Working Space, Add</i>	70.31	
40 05 23 43-0777	EA 6" Tees, Stainless Steel Schedule 40 Type 316	783.28	156.39
	<i>For Work In Restricted Working Space, Add</i>	93.83	
40 05 23 43-0778	EA 8" Tee, Stainless Steel Schedule 40 Type 316	1,702.67	203.40
	<i>For Work In Restricted Working Space, Add</i>	130.76	
40 05 23 43-0779	EA 10" Tee, Stainless Steel Schedule 40 Type 316	3,066.77	305.10
	<i>For Work In Restricted Working Space, Add</i>	196.14	
40 05 23 43-0780	EA 12" Tee, Stainless Steel Schedule 40 Type 316	3,833.46	381.38
	<i>For Work In Restricted Working Space, Add</i>	245.18	
40 05 23 43-0781	Reducers (40 05 23 43-0724)		
40 05 23 43-0782	EA 3/4" Reducer, Stainless Steel Schedule 40 Type 316	87.61	28.68
	<i>For Work In Restricted Working Space, Add</i>	17.21	
40 05 23 43-0783	EA 1" Reducer, Stainless Steel Schedule 40 Type 316	97.46	31.27
	<i>For Work In Restricted Working Space, Add</i>	18.76	
40 05 23 43-0784	EA 1-1/4" Reducer, Stainless Steel Schedule 40 Type 316	123.83	34.66
	<i>For Work In Restricted Working Space, Add</i>	20.80	
40 05 23 43-0785	EA 1-1/2" Reducer, Stainless Steel Schedule 40 Type 316	98.89	37.80
	<i>For Work In Restricted Working Space, Add</i>	22.67	
40 05 23 43-0786	EA 2" Reducer, Stainless Steel Schedule 40 Type 316	108.73	41.70
	<i>For Work In Restricted Working Space, Add</i>	25.03	
40 05 23 43-0787	EA 2-1/2" Reducer, Stainless Steel Schedule 40 Type 316	142.58	52.13
	<i>For Work In Restricted Working Space, Add</i>	31.28	
40 05 23 43-0788	EA 3" Reducer, Stainless Steel Schedule 40 Type 316	156.63	59.42
	<i>For Work In Restricted Working Space, Add</i>	35.61	
40 05 23 43-0789	EA 4" Reducer, Stainless Steel Schedule 40 Type 316	181.87	69.59
	<i>For Work In Restricted Working Space, Add</i>	41.72	
40 05 23 43-0790	EA 6" Reducer, Stainless Steel Schedule 40 Type 316	235.42	88.62
	<i>For Work In Restricted Working Space, Add</i>	53.12	
40 05 23 43-0791	EA 8" Reducer, Stainless Steel Schedule 40 Type 316	528.97	122.04
	<i>For Work In Restricted Working Space, Add</i>	78.46	
40 05 23 43-0792	EA 10" Reducer, Stainless Steel Schedule 40 Type 316	698.88	152.56
	<i>For Work In Restricted Working Space, Add</i>	98.07	
40 05 23 43-0793	EA 12" Reducer, Stainless Steel Schedule 40 Type 316	928.35	203.40
	<i>For Work In Restricted Working Space, Add</i>	130.76	
40 05 23 43-0794	Caps (40 05 23 43-0724)		
40 05 23 43-0795	EA 1/2" Cap, Stainless Steel Schedule 40 Type 316	43.60	11.99
	<i>For Work In Restricted Working Space, Add</i>	7.19	
40 05 23 43-0796	EA 3/4" Cap, Stainless Steel Schedule 40 Type 316	48.42	13.03
	<i>For Work In Restricted Working Space, Add</i>	7.82	
40 05 23 43-0797	EA 1" Cap, Stainless Steel Schedule 40 Type 316	59.88	17.20
	<i>For Work In Restricted Working Space, Add</i>	10.33	
40 05 23 43-0798	EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 316	65.00	18.24
	<i>For Work In Restricted Working Space, Add</i>	10.94	
40 05 23 43-0799	EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 316	72.26	20.85
	<i>For Work In Restricted Working Space, Add</i>	12.51	
40 05 23 43-0800	EA 2" Cap, Stainless Steel Schedule 40 Type 316	78.45	23.46
	<i>For Work In Restricted Working Space, Add</i>	14.06	
40 05 23 43-0801	EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 316	96.61	29.97
	<i>For Work In Restricted Working Space, Add</i>	17.99	
40 05 23 43-0802	EA 3" Cap, Stainless Steel Schedule 40 Type 316	110.02	34.66
	<i>For Work In Restricted Working Space, Add</i>	20.78	
40 05 23 43-0803	EA 4" Cap, Stainless Steel Schedule 40 Type 316	164.08	46.39
	<i>For Work In Restricted Working Space, Add</i>	27.84	
40 05 23 43-0804	EA 6" Cap, Stainless Steel Schedule 40 Type 316	212.38	69.59
	<i>For Work In Restricted Working Space, Add</i>	41.72	
40 05 23 43-0805	Reducing Tees (40 05 23 43-0724)		
40 05 23 43-0806	EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 316	133.17	46.39
	<i>For Work In Restricted Working Space, Add</i>	23.17	
40 05 23 43-0807	EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 316	142.75	52.13
	<i>For Work In Restricted Working Space, Add</i>	26.05	
40 05 23 43-0808	EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 316	189.06	59.42
	<i>For Work In Restricted Working Space, Add</i>	29.70	
40 05 23 43-0809	EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316	162.20	63.86
	<i>For Work In Restricted Working Space, Add</i>	31.88	
40 05 23 43-0810	EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 316	174.67	69.59
	<i>For Work In Restricted Working Space, Add</i>	34.77	
40 05 23 43-0811	EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316	298.14	83.41
	<i>For Work In Restricted Working Space, Add</i>	41.66	
40 05 23 43-0812	EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 316	301.07	104.26
	<i>For Work In Restricted Working Space, Add</i>	52.21	
40 05 23 43-0813	EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 316	367.85	117.29
	<i>For Work In Restricted Working Space, Add</i>	58.60	
40 05 23 43-0814	EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 316	778.02	156.39
	<i>For Work In Restricted Working Space, Add</i>	78.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0815	EA		8" Reducing Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,756.71 108.97	203.40
40 05 23 43-0816	EA		10" Reducing Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,199.10 163.45	305.10
40 05 23 43-0817	EA		12" Reducing Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,998.87 204.31	381.38
40 05 23 43-0818			Valves <small>(40 05 23 43-0231)</small>		
40 05 23 43-0819			Gate Valves, Class 150 <small>(40 05 23 43-0818)</small>		
40 05 23 43-0820	EA		1/2" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	486.44 10.04 -121.17 425.81	26.76
40 05 23 43-0821	EA		3/4" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	526.63 11.71 -130.44 458.35	27.87
40 05 23 43-0822	EA		1" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	645.86 15.78 -158.70 557.67	41.81
40 05 23 43-0823	EA		1-1/4" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	818.36 18.18 -202.70 712.30	48.78
40 05 23 43-0824	EA		1-1/2" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	916.76 23.03 -224.70 789.61	61.40
40 05 23 43-0825	EA		2" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,086.99 27.87 -265.92 934.44	74.30
40 05 23 43-0826	EA		2-1/2" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,584.44 30.41 1,394.10	80.82
40 05 23 43-0827	EA		3" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,781.40 35.58 1,563.03	94.76
40 05 23 43-0828	EA		4" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,326.19 59.72 1,999.49	158.86
40 05 23 43-0829	EA		6" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,949.17 75.52 3,475.59	200.67
40 05 23 43-0830	EA		8" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	8,779.73 95.56 7,953.53	256.41
40 05 23 43-0831	EA		10" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	12,415.25 117.06 11,303.56	312.15
40 05 23 43-0832	EA		12" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	18,773.64 141.89 17,202.64	379.05
40 05 23 43-0833			Globe Valves, Class 150 <small>(40 05 23 43-0818)</small>		
40 05 23 43-0834	EA		1/2" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	673.36 10.04 -171.18 601.52	26.76
40 05 23 43-0835	EA		3/4" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	743.84 11.71 -188.54 662.53	27.87
40 05 23 43-0836	EA		1" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	924.34 15.78 -233.19 819.45	41.81
40 05 23 43-0837	EA		1-1/2" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,375.11 23.03 -347.31 1,220.46	61.40
40 05 23 43-0838	EA		2" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,678.77 27.87 -424.22 1,490.71	74.30
40 05 23 43-0839	EA		2-1/2" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,440.01 30.41 3,138.34	80.82
40 05 23 43-0840	EA		3" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,550.00 35.58 3,225.52	94.76
40 05 23 43-0841	EA		4" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,186.90 59.72 3,748.56	158.86

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0842	EA		6" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,810.07 75.52 7,104.84	200.67
40 05 23 43-0843			Check Valves, Class 150 <small>(40 05 23 43-0818)</small>		
40 05 23 43-0844	EA		2-1/2" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,513.26 30.41 1,327.20	80.82
40 05 23 43-0845	EA		3" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,574.54 35.58 1,368.58	94.76
40 05 23 43-0846	EA		4" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,464.94 59.72 2,129.92	158.86
40 05 23 43-0847	EA		6" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,301.38 75.52 3,806.67	200.67
40 05 23 43-0848	EA		8" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,646.46 95.56 6,888.25	256.41
40 05 23 43-0849			Stainless Steel Flanges <small>(40 05 23 43-0231)</small>		
40 05 23 43-0850			150#, Type 304 Stainless Steel Raised Face Weld Neck Flange <small>(40 05 23 43-0849)</small>		
40 05 23 43-0851	EA		1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	40.20 8.91	13.36
40 05 23 43-0852	EA		3/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	43.19 9.46	14.19
40 05 23 43-0853	EA		1", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	48.17 10.40	15.60
40 05 23 43-0854	EA		1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	57.16 11.34	17.01
40 05 23 43-0855	EA		1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	61.02 12.50	18.75
40 05 23 43-0856	EA		2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	67.86 13.93	20.89
40 05 23 43-0857	EA		2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	91.76 17.81	26.71
40 05 23 43-0858	EA		3", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	104.93 20.85	31.27
40 05 23 43-0859	EA		4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	132.68 24.98	37.47
40 05 23 43-0860	EA		6", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	189.34 31.21	46.81
40 05 23 43-0861	EA		8", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	307.94 49.04	73.55
40 05 23 43-0862	EA		10", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	431.17 65.38	98.07
40 05 23 43-0863	EA		12", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	659.68 98.07	147.10
40 05 23 43-0864	EA		14", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	813.84 114.41	171.62
40 05 23 43-0865	EA		16", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	999.37 130.51	195.76
40 05 23 43-0866	EA		18", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,230.38 163.45	245.17
40 05 23 43-0867	EA		20", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,616.84 228.83	343.25
40 05 23 43-0868	EA		24", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,299.96 326.90	490.35
40 05 23 43-0869			300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <small>(40 05 23 43-0849)</small>		
40 05 23 43-0870	EA		1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	47.42 8.91	13.36
40 05 23 43-0871	EA		3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	49.25 9.46	14.19
40 05 23 43-0872	EA		1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	52.37 10.40	15.60
40 05 23 43-0873	EA		1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	65.30 11.34	17.01
40 05 23 43-0874	EA		1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	69.16 12.50	18.75
40 05 23 43-0875	EA		2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	74.86 13.93	20.89
40 05 23 43-0876	EA		2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	103.87 17.81	26.71
40 05 23 43-0877	EA		3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	118.44 20.85	31.27
40 05 23 43-0878	EA		4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	164.37 24.98	37.47
40 05 23 43-0879	EA		6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	225.22 31.21	46.81
40 05 23 43-0880	EA		8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	397.43 49.04	73.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0881	EA		10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	549.33	98.07
			<i>For Work In Restricted Working Space, Add</i>	65.38	
40 05 23 43-0882	EA		12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	809.78	147.10
			<i>For Work In Restricted Working Space, Add</i>	98.07	
40 05 23 43-0883	EA		14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	1,051.10	171.62
			<i>For Work In Restricted Working Space, Add</i>	114.41	
40 05 23 43-0884	EA		16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	1,283.10	195.76
			<i>For Work In Restricted Working Space, Add</i>	130.51	
40 05 23 43-0885	EA		18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	1,634.41	245.17
			<i>For Work In Restricted Working Space, Add</i>	163.45	
40 05 23 43-0886	EA		20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	2,133.79	343.25
			<i>For Work In Restricted Working Space, Add</i>	228.83	
40 05 23 43-0887	EA		24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	3,098.35	490.35
			<i>For Work In Restricted Working Space, Add</i>	326.90	
40 05 23 43-0888			150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-0849)		
40 05 23 43-0889	EA		1/2", 150#, Type 304 Stainless Steel Slip-On Flange.....	68.74	26.73
			<i>For Work In Restricted Working Space, Add</i>	17.83	
40 05 23 43-0890	EA		3/4", 150#, Type 304 Stainless Steel Slip-On Flange.....	72.64	28.38
			<i>For Work In Restricted Working Space, Add</i>	18.92	
40 05 23 43-0891	EA		1", 150#, Type 304 Stainless Steel Slip-On Flange.....	79.82	31.19
			<i>For Work In Restricted Working Space, Add</i>	20.80	
40 05 23 43-0892	EA		1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange.....	89.83	34.03
			<i>For Work In Restricted Working Space, Add</i>	22.68	
40 05 23 43-0893	EA		1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange.....	97.56	37.50
			<i>For Work In Restricted Working Space, Add</i>	25.00	
40 05 23 43-0894	EA		2", 150#, Type 304 Stainless Steel Slip-On Flange.....	111.26	41.78
			<i>For Work In Restricted Working Space, Add</i>	27.85	
40 05 23 43-0895	EA		2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange.....	144.60	53.43
			<i>For Work In Restricted Working Space, Add</i>	35.62	
40 05 23 43-0896	EA		3", 150#, Type 304 Stainless Steel Slip-On Flange.....	166.74	62.55
			<i>For Work In Restricted Working Space, Add</i>	41.70	
40 05 23 43-0897	EA		4", 150#, Type 304 Stainless Steel Slip-On Flange.....	204.31	74.94
			<i>For Work In Restricted Working Space, Add</i>	49.97	
40 05 23 43-0898	EA		6", 150#, Type 304 Stainless Steel Slip-On Flange.....	265.65	93.64
			<i>For Work In Restricted Working Space, Add</i>	62.42	
40 05 23 43-0899	EA		8", 150#, Type 304 Stainless Steel Slip-On Flange.....	435.74	147.10
			<i>For Work In Restricted Working Space, Add</i>	98.07	
40 05 23 43-0900	EA		10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	604.82	196.14
			<i>For Work In Restricted Working Space, Add</i>	130.76	
40 05 23 43-0901	EA		12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	903.38	294.20
			<i>For Work In Restricted Working Space, Add</i>	196.14	
40 05 23 43-0902			300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-0849)		
40 05 23 43-0903	EA		1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange.....	73.40	26.73
			<i>For Work In Restricted Working Space, Add</i>	17.83	
40 05 23 43-0904	EA		3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	77.06	28.38
			<i>For Work In Restricted Working Space, Add</i>	18.92	
40 05 23 43-0905	EA		1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	83.31	31.19
			<i>For Work In Restricted Working Space, Add</i>	20.80	
40 05 23 43-0906	EA		1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	97.05	34.03
			<i>For Work In Restricted Working Space, Add</i>	22.68	
40 05 23 43-0907	EA		1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	104.78	37.50
			<i>For Work In Restricted Working Space, Add</i>	25.00	
40 05 23 43-0908	EA		2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	116.14	41.78
			<i>For Work In Restricted Working Space, Add</i>	27.85	
40 05 23 43-0909	EA		2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	162.79	53.43
			<i>For Work In Restricted Working Space, Add</i>	35.62	
40 05 23 43-0910	EA		3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	184.91	62.55
			<i>For Work In Restricted Working Space, Add</i>	41.70	
40 05 23 43-0911	EA		4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	229.47	74.94
			<i>For Work In Restricted Working Space, Add</i>	49.97	
40 05 23 43-0912	EA		6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	336.73	93.64
			<i>For Work In Restricted Working Space, Add</i>	62.42	
40 05 23 43-0913	EA		8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	507.51	147.10
			<i>For Work In Restricted Working Space, Add</i>	98.07	
40 05 23 43-0914	EA		10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	720.41	196.14
			<i>For Work In Restricted Working Space, Add</i>	130.76	
40 05 23 43-0915	EA		12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	1,052.07	294.20
			<i>For Work In Restricted Working Space, Add</i>	196.14	
40 05 23 43-0916			150#, Type 304 Stainless Steel Blind Flanges (40 05 23 43-0849)		
40 05 23 43-0917	EA		1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	21.83	5.34
			<i>For Work In Restricted Working Space, Add</i>	3.56	
40 05 23 43-0918	EA		3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	22.86	5.67
			<i>For Work In Restricted Working Space, Add</i>	3.78	
40 05 23 43-0919	EA		1", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	24.83	6.23
			<i>For Work In Restricted Working Space, Add</i>	4.16	
40 05 23 43-0920	EA		1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	31.05	6.94
			<i>For Work In Restricted Working Space, Add</i>	4.63	
40 05 23 43-0921	EA		1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	36.47	9.39
			<i>For Work In Restricted Working Space, Add</i>	6.26	
40 05 23 43-0922	EA		2", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	42.50	10.41
			<i>For Work In Restricted Working Space, Add</i>	6.95	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 43-0923	EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	57.25	13.39
	<i>For Work In Restricted Working Space, Add</i>	8.93	
40 05 23 43-0924	EA 3", 150#, Type 304 Stainless Steel Raised Face Blind Flange	72.00	18.76
	<i>For Work In Restricted Working Space, Add</i>	12.51	
40 05 23 43-0925	EA 4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	111.91	31.26
	<i>For Work In Restricted Working Space, Add</i>	20.85	
40 05 23 43-0926	EA 6", 150#, Type 304 Stainless Steel Raised Face Blind Flange	151.34	40.21
	<i>For Work In Restricted Working Space, Add</i>	26.81	
40 05 23 43-0927	EA 8", 150#, Type 304 Stainless Steel Raised Face Blind Flange	215.20	45.76
	<i>For Work In Restricted Working Space, Add</i>	30.51	
40 05 23 43-0928	EA 10", 150#, Type 304 Stainless Steel Raised Face Blind Flange	319.20	54.92
	<i>For Work In Restricted Working Space, Add</i>	36.61	
40 05 23 43-0929	EA 12", 150#, Type 304 Stainless Steel Raised Face Blind Flange	419.40	68.65
	<i>For Work In Restricted Working Space, Add</i>	45.77	
40 05 23 43-0930	EA 14", 150#, Type 304 Stainless Steel Raised Face Blind Flange	532.04	85.81
	<i>For Work In Restricted Working Space, Add</i>	57.21	
40 05 23 43-0931	EA 16", 150#, Type 304 Stainless Steel Raised Face Blind Flange	676.75	97.89
	<i>For Work In Restricted Working Space, Add</i>	65.26	
40 05 23 43-0932	EA 18", 150#, Type 304 Stainless Steel Raised Face Blind Flange	805.32	122.58
	<i>For Work In Restricted Working Space, Add</i>	81.73	
40 05 23 43-0933	EA 20", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,076.35	171.62
	<i>For Work In Restricted Working Space, Add</i>	114.41	
40 05 23 43-0934	EA 24", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,563.97	245.17
	<i>For Work In Restricted Working Space, Add</i>	163.45	
40 05 23 43-0935	300#, Type 304 Stainless Steel Blind Flanges (40 05 23 43-0849)		
40 05 23 43-0936	EA 1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	26.57	5.34
	<i>For Work In Restricted Working Space, Add</i>	3.56	
40 05 23 43-0937	EA 3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	27.30	5.67
	<i>For Work In Restricted Working Space, Add</i>	3.78	
40 05 23 43-0938	EA 1", 300#, Type 304 Stainless Steel Raised Face Blind Flange	28.56	6.23
	<i>For Work In Restricted Working Space, Add</i>	4.16	
40 05 23 43-0939	EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	35.47	6.94
	<i>For Work In Restricted Working Space, Add</i>	4.63	
40 05 23 43-0940	EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	40.89	9.39
	<i>For Work In Restricted Working Space, Add</i>	6.26	
40 05 23 43-0941	EA 2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	44.83	10.41
	<i>For Work In Restricted Working Space, Add</i>	6.95	
40 05 23 43-0942	EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	73.57	13.39
	<i>For Work In Restricted Working Space, Add</i>	8.93	
40 05 23 43-0943	EA 3", 300#, Type 304 Stainless Steel Raised Face Blind Flange	87.26	18.76
	<i>For Work In Restricted Working Space, Add</i>	12.51	
40 05 23 43-0944	EA 4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	131.01	31.26
	<i>For Work In Restricted Working Space, Add</i>	20.85	
40 05 23 43-0945	EA 6", 300#, Type 304 Stainless Steel Raised Face Blind Flange	230.11	40.21
	<i>For Work In Restricted Working Space, Add</i>	26.81	
40 05 23 43-0946	EA 8", 300#, Type 304 Stainless Steel Raised Face Blind Flange	309.35	45.76
	<i>For Work In Restricted Working Space, Add</i>	30.51	
40 05 23 43-0947	EA 10", 300#, Type 304 Stainless Steel Raised Face Blind Flange	433.85	54.92
	<i>For Work In Restricted Working Space, Add</i>	36.61	
40 05 23 43-0948	EA 12", 300#, Type 304 Stainless Steel Raised Face Blind Flange	595.35	68.65
	<i>For Work In Restricted Working Space, Add</i>	45.77	
40 05 23 43-0949	EA 14", 300#, Type 304 Stainless Steel Raised Face Blind Flange	825.50	85.81
	<i>For Work In Restricted Working Space, Add</i>	57.21	
40 05 23 43-0950	EA 16", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,047.26	97.89
	<i>For Work In Restricted Working Space, Add</i>	65.26	
40 05 23 43-0951	EA 18", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,362.93	122.58
	<i>For Work In Restricted Working Space, Add</i>	81.73	
40 05 23 43-0952	EA 20", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,737.93	171.62
	<i>For Work In Restricted Working Space, Add</i>	114.41	
40 05 23 43-0953	EA 24", 300#, Type 304 Stainless Steel Raised Face Blind Flange	2,652.10	245.17
	<i>For Work In Restricted Working Space, Add</i>	163.45	
40 05 23 43-0954	150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 43-0849)		
40 05 23 43-0955	EA 1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	45.55	13.36
	<i>For Work In Restricted Working Space, Add</i>	8.91	
40 05 23 43-0956	EA 3/4", 150#, Type 316 Stainless Steel Weld Neck Flange	48.56	14.19
	<i>For Work In Restricted Working Space, Add</i>	9.46	
40 05 23 43-0957	EA 1", 150#, Type 316 Stainless Steel Weld Neck Flange	54.23	15.60
	<i>For Work In Restricted Working Space, Add</i>	10.40	
40 05 23 43-0958	EA 1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange	65.08	17.01
	<i>For Work In Restricted Working Space, Add</i>	11.34	
40 05 23 43-0959	EA 1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	68.94	18.75
	<i>For Work In Restricted Working Space, Add</i>	12.50	
40 05 23 43-0960	EA 2", 150#, Type 316 Stainless Steel Weld Neck Flange	76.02	20.89
	<i>For Work In Restricted Working Space, Add</i>	13.93	
40 05 23 43-0961	EA 2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	105.50	26.71
	<i>For Work In Restricted Working Space, Add</i>	17.81	
40 05 23 43-0962	EA 3", 150#, Type 316 Stainless Steel Weld Neck Flange	117.27	31.27
	<i>For Work In Restricted Working Space, Add</i>	20.85	
40 05 23 43-0963	EA 4", 150#, Type 316 Stainless Steel Weld Neck Flange	153.65	37.47
	<i>For Work In Restricted Working Space, Add</i>	24.98	
40 05 23 43-0964	EA 6", 150#, Type 316 Stainless Steel Weld Neck Flange	225.69	46.81
	<i>For Work In Restricted Working Space, Add</i>	31.21	
40 05 23 43-0965	EA 8", 150#, Type 316 Stainless Steel Weld Neck Flange	364.11	73.55
	<i>For Work In Restricted Working Space, Add</i>	49.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0966 EA 10", 150#, Type 316 Stainless Steel Weld Neck Flange.....	524.86	98.07
For Work In Restricted Working Space, Add	65.38	
40 05 23 43-0967 EA 12", 150#, Type 316 Stainless Steel Weld Neck Flange.....	783.45	147.10
For Work In Restricted Working Space, Add	98.07	
40 05 23 43-0968 EA 14", 150#, Type 316 Stainless Steel Weld Neck Flange.....	916.34	171.62
For Work In Restricted Working Space, Add	114.41	
40 05 23 43-0969 EA 16", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,133.12	195.76
For Work In Restricted Working Space, Add	130.51	
40 05 23 43-0970 EA 18", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,392.86	245.17
For Work In Restricted Working Space, Add	163.45	
40 05 23 43-0971 EA 20", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,819.27	343.25
For Work In Restricted Working Space, Add	228.83	
40 05 23 43-0972 EA 24", 150#, Type 316 Stainless Steel Weld Neck Flange.....	2,586.82	490.35
For Work In Restricted Working Space, Add	326.90	
40 05 23 43-0973 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 43-0849)		
40 05 23 43-0974 EA 1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	54.42	13.36
For Work In Restricted Working Space, Add	8.91	
40 05 23 43-0975 EA 3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	56.25	14.19
For Work In Restricted Working Space, Add	9.46	
40 05 23 43-0976 EA 1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	59.37	15.60
For Work In Restricted Working Space, Add	10.40	
40 05 23 43-0977 EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	74.87	17.01
For Work In Restricted Working Space, Add	11.34	
40 05 23 43-0978 EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	78.73	18.75
For Work In Restricted Working Space, Add	12.50	
40 05 23 43-0979 EA 2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	86.51	20.89
For Work In Restricted Working Space, Add	13.93	
40 05 23 43-0980 EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	123.92	26.71
For Work In Restricted Working Space, Add	17.81	
40 05 23 43-0981 EA 3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	137.32	31.27
For Work In Restricted Working Space, Add	20.85	
40 05 23 43-0982 EA 4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	199.32	37.47
For Work In Restricted Working Space, Add	24.98	
40 05 23 43-0983 EA 6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	311.69	46.81
For Work In Restricted Working Space, Add	31.21	
40 05 23 43-0984 EA 8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	485.76	73.55
For Work In Restricted Working Space, Add	49.04	
40 05 23 43-0985 EA 10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	692.41	98.07
For Work In Restricted Working Space, Add	65.38	
40 05 23 43-0986 EA 12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	1,019.98	147.10
For Work In Restricted Working Space, Add	98.07	
40 05 23 43-0987 EA 14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	1,356.83	171.62
For Work In Restricted Working Space, Add	114.41	
40 05 23 43-0988 EA 16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	1,670.25	195.76
For Work In Restricted Working Space, Add	130.51	
40 05 23 43-0989 EA 18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	2,131.80	245.17
For Work In Restricted Working Space, Add	163.45	
40 05 23 43-0990 EA 20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	2,759.67	343.25
For Work In Restricted Working Space, Add	228.83	
40 05 23 43-0991 EA 24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	4,015.33	490.35
For Work In Restricted Working Space, Add	326.90	
40 05 23 43-0992 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-0849)		
40 05 23 43-0993 EA 1/2", 150#, Type 316 Stainless Steel Slip-On Flange.....	71.54	26.73
For Work In Restricted Working Space, Add	17.83	
40 05 23 43-0994 EA 3/4", 150#, Type 316 Stainless Steel Slip-On Flange.....	76.84	28.38
For Work In Restricted Working Space, Add	18.92	
40 05 23 43-0995 EA 1", 150#, Type 316 Stainless Steel Slip-On Flange.....	84.63	31.19
For Work In Restricted Working Space, Add	20.80	
40 05 23 43-0996 EA 1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange.....	107.39	34.03
For Work In Restricted Working Space, Add	22.68	
40 05 23 43-0997 EA 1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange.....	103.15	37.50
For Work In Restricted Working Space, Add	25.00	
40 05 23 43-0998 EA 2", 150#, Type 316 Stainless Steel Slip-On Flange.....	112.65	41.78
For Work In Restricted Working Space, Add	27.85	
40 05 23 43-0999 EA 2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange.....	143.67	53.43
For Work In Restricted Working Space, Add	35.62	
40 05 23 43-1000 EA 3", 150#, Type 316 Stainless Steel Slip-On Flange.....	174.66	62.55
For Work In Restricted Working Space, Add	41.70	
40 05 23 43-1001 EA 4", 150#, Type 316 Stainless Steel Slip-On Flange.....	221.08	74.94
For Work In Restricted Working Space, Add	49.97	
40 05 23 43-1002 EA 6", 150#, Type 316 Stainless Steel Slip-On Flange.....	290.58	93.64
For Work In Restricted Working Space, Add	62.42	
40 05 23 43-1003 EA 8", 150#, Type 316 Stainless Steel Slip-On Flange.....	487.23	147.10
For Work In Restricted Working Space, Add	98.07	
40 05 23 43-1004 EA 10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	675.20	196.14
For Work In Restricted Working Space, Add	130.76	
40 05 23 43-1005 EA 12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	997.53	294.20
For Work In Restricted Working Space, Add	196.14	
40 05 23 43-1006 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-0849)		
40 05 23 43-1007 EA 1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange.....	78.06	26.73
For Work In Restricted Working Space, Add	17.83	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 43-1008	EA 3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	81.72	28.38
	<i>For Work In Restricted Working Space, Add</i>	18.92	
40 05 23 43-1009	EA 1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	87.97	31.19
	<i>For Work In Restricted Working Space, Add</i>	20.80	
40 05 23 43-1010	EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	106.14	34.03
	<i>For Work In Restricted Working Space, Add</i>	22.68	
40 05 23 43-1011	EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	113.87	37.50
	<i>For Work In Restricted Working Space, Add</i>	25.00	
40 05 23 43-1012	EA 2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	124.74	41.78
	<i>For Work In Restricted Working Space, Add</i>	27.85	
40 05 23 43-1013	EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	183.05	53.43
	<i>For Work In Restricted Working Space, Add</i>	35.62	
40 05 23 43-1014	EA 3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	205.65	62.55
	<i>For Work In Restricted Working Space, Add</i>	41.70	
40 05 23 43-1015	EA 4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	261.63	74.94
	<i>For Work In Restricted Working Space, Add</i>	49.97	
40 05 23 43-1016	EA 6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	383.57	93.64
	<i>For Work In Restricted Working Space, Add</i>	62.42	
40 05 23 43-1017	EA 8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	555.76	147.10
	<i>For Work In Restricted Working Space, Add</i>	98.07	
40 05 23 43-1018	EA 10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	877.48	196.14
	<i>For Work In Restricted Working Space, Add</i>	130.76	
40 05 23 43-1019	EA 12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,190.50	294.20
	<i>For Work In Restricted Working Space, Add</i>	196.14	
40 05 23 43-1020	150#, Type 316 Stainless Steel Blind Flanges (40 05 23 43-0849)		
40 05 23 43-1021	EA 1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	24.00	5.34
	<i>For Work In Restricted Working Space, Add</i>	3.56	
40 05 23 43-1022	EA 3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	26.83	5.67
	<i>For Work In Restricted Working Space, Add</i>	3.78	
40 05 23 43-1023	EA 1", 150#, Type 316 Stainless Steel Raised Face Blind Flange	30.18	6.23
	<i>For Work In Restricted Working Space, Add</i>	4.16	
40 05 23 43-1024	EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	35.24	6.94
	<i>For Work In Restricted Working Space, Add</i>	4.63	
40 05 23 43-1025	EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	40.66	9.39
	<i>For Work In Restricted Working Space, Add</i>	6.26	
40 05 23 43-1026	EA 2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	49.49	10.41
	<i>For Work In Restricted Working Space, Add</i>	6.95	
40 05 23 43-1027	EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	68.21	13.39
	<i>For Work In Restricted Working Space, Add</i>	8.93	
40 05 23 43-1028	EA 3", 150#, Type 316 Stainless Steel Raised Face Blind Flange	84.12	18.76
	<i>For Work In Restricted Working Space, Add</i>	12.51	
40 05 23 43-1029	EA 4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	132.41	31.26
	<i>For Work In Restricted Working Space, Add</i>	20.85	
40 05 23 43-1030	EA 6", 150#, Type 316 Stainless Steel Raised Face Blind Flange	184.20	40.21
	<i>For Work In Restricted Working Space, Add</i>	26.81	
40 05 23 43-1031	EA 8", 150#, Type 316 Stainless Steel Raised Face Blind Flange	293.73	45.76
	<i>For Work In Restricted Working Space, Add</i>	30.51	
40 05 23 43-1032	EA 10", 150#, Type 316 Stainless Steel Raised Face Blind Flange	381.19	54.92
	<i>For Work In Restricted Working Space, Add</i>	36.61	
40 05 23 43-1033	EA 12", 150#, Type 316 Stainless Steel Raised Face Blind Flange	598.15	68.65
	<i>For Work In Restricted Working Space, Add</i>	45.77	
40 05 23 43-1034	EA 14", 150#, Type 316 Stainless Steel Raised Face Blind Flange	715.05	85.81
	<i>For Work In Restricted Working Space, Add</i>	57.21	
40 05 23 43-1035	EA 16", 150#, Type 316 Stainless Steel Raised Face Blind Flange	922.96	97.89
	<i>For Work In Restricted Working Space, Add</i>	65.26	
40 05 23 43-1036	EA 18", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,091.02	122.58
	<i>For Work In Restricted Working Space, Add</i>	81.73	
40 05 23 43-1037	EA 20", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,448.96	171.62
	<i>For Work In Restricted Working Space, Add</i>	114.41	
40 05 23 43-1038	EA 24", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,110.37	245.17
	<i>For Work In Restricted Working Space, Add</i>	163.45	
40 05 23 43-1039	300#, Type 316 Stainless Steel Blind Flanges (40 05 23 43-0849)		
40 05 23 43-1040	EA 1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	34.49	5.34
	<i>For Work In Restricted Working Space, Add</i>	3.56	
40 05 23 43-1041	EA 3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	35.22	5.67
	<i>For Work In Restricted Working Space, Add</i>	3.78	
40 05 23 43-1042	EA 1", 300#, Type 316 Stainless Steel Raised Face Blind Flange	36.48	6.23
	<i>For Work In Restricted Working Space, Add</i>	4.16	
40 05 23 43-1043	EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	52.49	6.94
	<i>For Work In Restricted Working Space, Add</i>	4.63	
40 05 23 43-1044	EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	57.91	9.39
	<i>For Work In Restricted Working Space, Add</i>	6.26	
40 05 23 43-1045	EA 2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	64.17	10.41
	<i>For Work In Restricted Working Space, Add</i>	6.95	
40 05 23 43-1046	EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	103.40	13.39
	<i>For Work In Restricted Working Space, Add</i>	8.93	
40 05 23 43-1047	EA 3", 300#, Type 316 Stainless Steel Raised Face Blind Flange	117.68	18.76
	<i>For Work In Restricted Working Space, Add</i>	12.51	
40 05 23 43-1048	EA 4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	182.28	31.26
	<i>For Work In Restricted Working Space, Add</i>	20.85	
40 05 23 43-1049	EA 6", 300#, Type 316 Stainless Steel Raised Face Blind Flange	317.51	40.21
	<i>For Work In Restricted Working Space, Add</i>	26.81	
40 05 23 43-1050	EA 8", 300#, Type 316 Stainless Steel Raised Face Blind Flange	399.78	45.76
	<i>For Work In Restricted Working Space, Add</i>	30.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1051 EA 10", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	696.73 36.61	54.92
40 05 23 43-1052 EA 12", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	851.00 45.77	68.65
40 05 23 43-1053 EA 14", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,218.18 57.21	85.81
40 05 23 43-1054 EA 16", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,560.51 65.26	97.89
40 05 23 43-1055 EA 18", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,037.48 81.73	122.58
40 05 23 43-1056 EA 20", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,577.04 114.41	171.62
40 05 23 43-1057 EA 24", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,955.58 163.45	245.17
40 05 23 43-1058 Type 316 Seamless Annealed Tubing (40 05 23 43) Note: For high pressure air (8000 PSIG working pressure).		
40 05 23 43-1059 Type 316 Seamless Annealed Tubing (40 05 23 43-1058)		
40 05 23 43-1060 LF 3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	12.55	
40 05 23 43-1061 LF 1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	15.96	
40 05 23 43-1062 LF 3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	19.37	
40 05 23 43-1063 Type 316 Seamless Annealed Tubing Fittings (40 05 23 43-1058) Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 43-1064 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	39.23	
40 05 23 43-1065 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	47.17	
40 05 23 43-1066 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	72.76	
40 05 23 43-1067 EA 3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	40.14	
40 05 23 43-1068 EA 3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	66.12	
40 05 23 43-1069 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	46.53	
40 05 23 43-1070 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	63.17	
40 05 23 43-1071 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	97.67	
40 05 23 43-1072 EA 1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	63.08	
40 05 23 43-1073 EA 1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	95.53	
40 05 23 43-1074 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	58.18	
40 05 23 43-1075 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	77.45	
40 05 23 43-1076 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	131.04	
40 05 23 43-1077 EA 3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	109.92	
40 05 23 43-1078 EA 3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	133.76	
40 05 23 43-1079 Valves For High Pressure Air (5,000 PSIG) (40 05 23 43-1058)		
40 05 23 43-1080 Needle Valves (40 05 23 43-1079)		
40 05 23 43-1081 EA 3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge.....	284.76	
40 05 23 43-1082 EA 1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge.....	460.46	
40 05 23 43-1083 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 43-1079)		
40 05 23 43-1084 EA 1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	274.62	
40 05 23 43-1085 Other Valves Working Pressure 6,000 PSI (40 05 23 43-1079)		
40 05 23 43-1086 EA 1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG.....	1,188.86	
40 05 23 43-1087 EA 1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	286.29	
40 05 23 43-1088 EA Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	48.25	

END OF SECTION 40

40 Process Interconnections**40 05 Common Work Results For Process Interconnections**

40 05 23 Stainless Steel Process Pipe and Tubing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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41 Material Processing And Handling Equipment

41 01 Operation And Maintenance Of Material Processing And Handling Equipment⁽⁴¹⁾

41 01 20 Operation And Maintenance Of Piece Material Handling Equipment^(41 01)

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes^(41 01 20)

41 01 20 13-0001 Maintenance^(41 01 20 13)

41 01 20 13-0002	EA	Regular Inspection.....	228.54	
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only.....	59.80	
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract.....	622.47	

41 20 Piece Material Handling Equipment⁽⁴¹⁾

41 22 Cranes And Hoists^(41 20)

41 22 23 Hoists^(41 22)

41 22 23 13 Fixed Hoists^(41 22 23)

41 22 23 13-0001 Air-Powered Chain Hoists^(41 22 23 13)

Note: Excludes beam.

41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist.....	3,867.05	230.19
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist.....	3,911.84	230.19
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist.....	4,712.19	230.19
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist.....	5,951.13	306.92
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist.....	7,511.81	383.65
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist.....	8,846.11	563.81
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist.....	10,215.31	680.98
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist.....	11,395.91	680.98

41 22 23 13-0010 Electric Hoists^(41 22 23 13)

41 22 23 13-0011 Electric Industrial Chain Hoists^(41 22 23 13-0010)

Note: Includes 20' of chain. Excludes beams. See CSI section 05 59 65 00-0001 for additional chain.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist.....	2,732.26	222.51
		<i>For DC Electrical Operated, Add</i>	571.47	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist.....	2,856.97	222.51
		<i>For DC Electrical Operated, Add</i>	602.35	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist.....	3,169.73	222.51
		<i>For DC Electrical Operated, Add</i>	678.70	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist.....	4,839.77	230.19
		<i>For DC Electrical Operated, Add</i>	1,091.35	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist.....	4,150.25	230.19
		<i>For DC Electrical Operated, Add</i>	917.60	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist.....	5,987.10	237.86
		<i>For DC Electrical Operated, Add</i>	1,370.64	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist.....	5,375.28	260.88
		<i>For DC Electrical Operated, Add</i>	1,196.21	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist.....	6,683.91	322.26
		<i>For DC Electrical Operated, Add</i>	1,519.61	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist.....	7,899.50	304.10
		<i>For DC Electrical Operated, Add</i>	1,843.35	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist.....	12,807.01	317.32
		<i>For DC Electrical Operated, Add</i>	3,042.95	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist.....	15,389.11	330.55
		<i>For DC Electrical Operated, Add</i>	3,681.61	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist.....	21,396.69	343.76
		<i>For DC Electrical Operated, Add</i>	5,176.45	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist.....	27,443.82	376.82
		<i>For DC Electrical Operated, Add</i>	6,671.62	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	

41 22 23 13-0025 Hand Chain Hoists^(41 22 23 13)

41 22 23 13-0026	EA	1,000 LB Capacity, Hand Chain Hoist.....	920.14	50.68
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41 Material Processing And Handling Equipment**41 20 Piece Material Handling Equipment****41 22 Cranes And Hoists**

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

41 22 23 13-0027	EA	2,000 LB Capacity, Hand Chain Hoist.....	1,096.85	51.37
41 22 23 13-0028	EA	3,000 LB Capacity, Hand Chain Hoist.....	1,495.99	53.80
41 22 23 13-0029	EA	4,000 LB Capacity, Hand Chain Hoist.....	1,693.06	54.50
41 22 23 13-0030	EA	5,000 LB Capacity, Hand Chain Hoist.....	2,056.14	57.27
41 22 23 13-0031	EA	6,000 LB Capacity, Hand Chain Hoist.....	2,298.29	66.99
41 22 23 13-0032	EA	10,000 LB Capacity, Hand Chain Hoist.....	3,222.74	69.07
41 22 23 13-0033	EA	16,000 LB Capacity, Hand Chain Hoist.....	4,219.04	83.31
41 22 23 13-0034	EA	20,000 LB Capacity, Hand Chain Hoist.....	5,176.03	87.12
41 22 23 13-0035	EA	30,000 LB Capacity, Hand Chain Hoist.....	9,204.68	99.62

END OF SECTION 41



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment (43)

43 23 Dry Location Liquid Pumps (43 20)

43 23 78 Controlled Volume Horizontal Reciprocating Pumps (43 23)

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps (43 23 78)

43 23 78 31-0001 Diaphragm Pump (43 23 78 31)

43 23 78 31-0002 EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI 2,620.49

43 24 Suspended Liquid Pumps (43 20)

43 24 41 Archimedes Screw Pumps (43 24)

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps (43 24 41)

43 24 41 23-0001 Positive Displacement Pump (43 24 41 23)

43 24 41 23-0002 EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing..... 2,150.29

43 40 Gas and Liquid Storage (43)

43 41 Non-pressurized Tanks And Vessels (43 40)

43 41 31 Metallic Specialty Tanks (43 41)

43 41 31 00-0001 L.P.G. Tanks With Regulator And Safety Controls (43 41 31)

43 41 31 00-0002 EA 250 Gallon LP Gas Storage Tank 1,950.25 26.01

43 41 31 00-0003 EA 500 Gallon LP Gas Storage Tank 2,663.73 31.21

43 41 31 00-0004 EA 1,000 Gallon LP Gas Storage Tank 4,670.81 36.41

END OF SECTION 43

43 Process Gas and Liquid Handling, Purification, and Storage Equipment**43 40 Gas and Liquid Storage**

43 41 Non-pressurized Tanks And Vessels



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UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

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